

SURVEY OF CURRENT BUSINESS



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Gross Domestic Product (Oct. 30).

SURVEY OF CURRENT BUSINESS

November 2003

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1 Business Situation: Advance Estimates for the Third Quarter of 2003

The pace of U.S. production accelerated in the third quarter of 2003. Real GDP increased 7.2 percent after increasing 3.3 percent in the second quarter. The acceleration reflected an improved trade balance and strong consumer spending. Inflation was moderate: The price index for gross domestic purchases increased 1.9 percent after increasing 0.4 percent, partly reflecting an upturn in energy prices.

8 Chained-Dollar Indexes: Issues, Tips on Their Use, and Upcoming Changes

This article discusses the advantages of using chain-weighted indexes and the challenges of using chained dollars. It outlines BEA's plans to address these issues as part of the 2003 comprehensive revision of the NIPAs, and it provides suggestions for using chained dollars so that biases and errors are minimized in forecasting and in other applications in which the components of GDP are aggregated.

18 Business Investment by Industry in the U.S. Economy for 1997

The capital flow table shows the destination of the new capital investment in equipment, software, and structures by the industries that purchased or leased these capital goods and services. It provides a detailed view of the investment of 180 commodities for 123 industries on the basis of the North American Industry Classification System. This table supplements the use table from the 1997 benchmark input-output accounts that shows private fixed investment by detailed commodity for each industry.

72 Reconciliation of the U.S.-Canadian Current Account, 2001 and 2002

Each year, the U.S. and Canadian current-account estimates are reconciled using a common set of definitions, methodologies, and data sources. On the reconciled basis, the U.S. current-account deficits with Canada are larger than those shown in the U.S.-published accounts. For 2001, the deficit on the reconciled basis is \$39.1 billion, and the U.S.-published deficit is \$28.1 billion. For 2002, the reconciled deficit is \$38.0 billion, and the published deficit is \$30.4 billion.

85 U.S. Multinational Companies: Operations in 2001

The worldwide value added in production by U.S. multinational companies decreased 7.7 percent in 2001, reflecting decreases in production by both U.S. parent companies and their majority-owned foreign affiliates. Despite the decreases in

production, these companies continued to increase their capital spending.

By industry, the decrease in production was most pronounced in the manufacture of durable goods, such as motor vehicles and computers, due to weak demand. By area, the decreases were most pronounced in Africa and in Latin America and Other Western Hemisphere.

106 **State Personal Income: Second Quarter 2003**

Personal income for the Nation grew 0.8 percent in the second quarter of 2003, about the same as in the first quarter. Reflecting the above-average growth in natural resources and mining, 4 of the 10 fastest growing states were in the Plains region, and 2 of the 10 were in the Rocky Mountain region. In 21 states and the District of Columbia, net earnings, the largest of the three major components of personal income, grew faster in the second quarter than in the first quarter.

D-1 **BEA Current and Historical Data**

Inside back cover: BEA Web Site and BEA Contacts

Back cover: Schedule of Upcoming News Releases

LOOKING AHEAD

Comprehensive Revision of the National Income and Product Accounts.

The release of the upcoming comprehensive revision of the NIPAs is scheduled for December 10, 2003. The December SURVEY will provide a summary of the revised estimates. The January 2004 SURVEY will include an article that describes the comprehensive revision in detail and an extensive set of tables that will present the revised estimates.

Business Situation

Advance Estimates for the Third Quarter of 2003

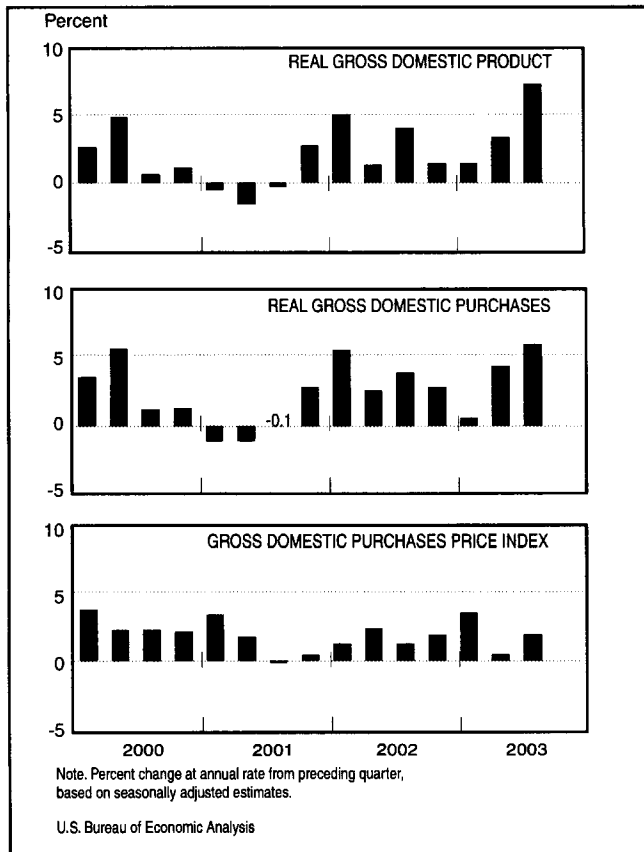
ACCORDING to the “advance” estimates of the national income and product accounts (NIPAs), U.S. production and real disposable personal income accelerated in the third quarter of 2003; inflation was moderate (chart 1).

- Real gross domestic product (GDP) increased 7.2 percent in the third quarter after increasing 3.3 percent in the second (table 1).¹ The most recent increase is the largest since early 1984, but an increase almost as large (7.1 percent) was recorded in the fourth quarter of 1999.

1. Quarterly estimates in the NIPAs are expressed at seasonally adjusted annual rates, unless otherwise specified. Quarter-to-quarter dollar changes are differences between these published estimates. Percent changes are calculated from unrounded data and annualized. “Real” estimates are in chained (1996) dollars, and price indexes are chain-type measures.

This article was prepared by Daniel Larkins.

Chart 1. Selected Measures: Change From Preceding Quarter



- Real disposable personal income increased at the same rate as real GDP in the third quarter. The sharp rise largely reflected the effects of tax legislation enacted in the spring of this year.
- The price index for goods and services purchased by U.S. residents increased 1.9 percent in the third quarter after increasing only 0.4 percent in the second. About half of the step-up reflected an upturn in energy prices.

The acceleration in real GDP growth mainly reflected an improvement in the trade balance and stronger growth in consumer spending, but residential investment and nonresidential investment in equipment and software also contributed.² These develop-

2. In this article, “consumer spending” is shorthand for the NIPA series “personal consumption expenditures,” “government spending” is shorthand for “government consumption expenditures and gross investment,” and “inventory investment” is shorthand for “change in private inventories.”

Table 1. Real Gross Domestic Product and Related Measures
[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter				
	Level	Change from preceding quarter								
		2003	2002	2003			2002	2003		
	III	IV	I	II	III	IV	I	II	III	
Gross domestic product	9,797.2	32.6	33.8	77.4	167.8	1.4	1.4	3.3	7.2	
Less: Exports of goods and services	1,079.3	-16.1	-3.5	-2.6	23.8	-5.8	-1.3	-1.0	9.3	
Plus: Imports of goods and services.	1,602.0	28.1	-25.4	33.3	0.3	7.4	-6.2	8.8	0.1	
Equals: Gross domestic purchases	10,277.5	70.8	15.2	108.7	148.1	2.9	0.6	4.4	6.0	
Less: Change in private inventories	-35.8	7.0	-21.0	-22.4	-18.2	.....	.....	.....	.....
Equals: Final sales to domestic purchasers	10,294.9	64.0	34.6	126.3	163.9	2.6	1.4	5.1	6.6	
Personal consumption expenditures.....	6,842.1	28.0	33.0	63.0	108.2	1.7	2.0	3.8	6.6	
Durable goods.....	1,126.6	-21.8	-5.2	56.1	65.1	-8.2	-2.0	24.3	26.9	
Nondurable goods.....	2,023.7	24.2	28.9	6.7	38.1	5.1	6.1	1.4	7.9	
Services.....	3,748.5	20.0	7.9	13.1	20.5	2.2	0.9	1.4	2.2	
Private fixed investment.....	1,669.1	16.9	-0.6	27.4	53.8	4.4	-0.1	7.1	14.0	
Nonresidential.....	1,224.9	6.6	-13.2	20.9	31.9	2.3	-4.4	7.3	11.1	
Structures.....	211.9	-5.6	-1.6	2.2	-1.3	-9.9	-2.9	4.2	-2.4	
Equipment and software.....	1,036.0	14.9	-12.2	19.6	36.5	6.2	-4.8	8.3	15.4	
Residential.....	431.6	8.8	9.6	6.5	19.6	9.4	10.1	6.6	20.4	
Government consumption expenditures and gross investment.....	1,778.3	19.4	1.7	35.9	5.7	4.6	0.4	8.5	1.3	
Federal.....	671.7	16.3	1.1	37.0	2.2	11.0	0.7	25.5	1.4	
National defense.....	450.2	10.7	-3.5	40.5	0.0	11.0	-3.3	45.8	0.0	
Nondefense.....	222.0	5.6	4.5	-3.1	2.3	11.1	8.4	-5.4	4.1	
State and local.....	1,107.6	3.4	0.6	-0.5	3.5	1.2	0.2	-0.2	1.3	
Addenda:										
Final sales of domestic product....	9,814.7	25.9	53.1	94.9	183.6	1.1	2.3	4.0	7.8	
Disposable personal income.....	7,280.6	24.2	27.3	45.1	125.9	1.4	1.6	2.6	7.2	

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates usually are not additive. Chained (1996) dollar levels and residuals, which measure the extent of nonadditivity in each table, are shown in NIPA tables 1.2, 1.4, and 1.6. Percent changes are calculated from unrounded data. Percent changes in major aggregates are shown in NIPA table S.1. (See “Selected NIPA Tables,” which begins on page D-2 in this issue.)

ments were partly offset by a slowdown in government spending and a downturn in nonresidential investment in structures. Inventory investment decreased about as much as in the second quarter.

Exports and imports combined to produce an improvement in the trade balance. Exports turned up, and the growth of imports slowed sharply. (Imports are subtracted in the calculation of the trade balance and of GDP.) The upturn in exports was mainly accounted for by nonautomotive capital goods and by travel services. In imports, most categories of goods contributed to the slowdown, while services (led by travel services) turned up. Combined, exports and imports added 0.84 percentage point to GDP growth in the third quarter after subtracting 1.29 percentage points in the second (table 2).

Consumer spending increased 6.6 percent in the third quarter—almost 3 percentage points more than in the second quarter—and contributed 4.66 percentage points to GDP growth after contributing 2.68 percentage points. Purchases of durable goods, of nondurable goods, and of services all increased more than in the second quarter. The step-up in nondurable goods was the most pronounced, and all the major categories of nondurable goods contributed. The step-up in services was mainly accounted for by purchases of electricity and gas. In durable goods, step-ups in purchases of motor vehicles and of furniture and household equipment were partly offset by a slowdown in purchases of “other” durable goods.

Residential investment increased for the seventh

consecutive quarter and contributed 0.92 percentage point to third-quarter GDP growth after contributing 0.31 percentage point to second-quarter growth. Construction of housing units increased more than in the second quarter, and brokers’ commissions stepped up on the strength of record home sales.

Nonresidential fixed investment contributed 1.12 percentage points to GDP growth in the third quarter after contributing 0.74 percentage point in the second quarter. Investment in equipment and software stepped up; “other” equipment (including agricultural and construction equipment) accelerated, and transportation equipment (mainly motor vehicles) turned up. In contrast, investment in structures turned down; oil-well exploration and development slowed, and construction by utilities decreased more than in the second quarter. The increase in equipment and software was the biggest since early 2000; the decrease in structures was the ninth in the last 11 quarters.

Government spending slowed and contributed 0.27 percentage point to third-quarter GDP growth after contributing 1.59 percentage points to second-quarter growth. National defense spending was flat after increasing very sharply; this slowdown was only partly offset by upturns in Federal nondefense spending and in spending by states and localities.

Inventory investment subtracted 0.67 percentage point from GDP growth in the third quarter, about the same amount as in the second quarter. The pace of inventory liquidation increased in the third quarter.

The advance estimates for the third quarter also show the following:

- Real final sales of domestic product (GDP less the change in private inventories) increased 7.8 percent after increasing 4.0 percent.
- Real gross domestic purchases increased 6.0 percent after increasing 4.4 percent.
- The production of goods and of structures increased substantially more in the third quarter than in the second, but the production of services slowed (table 3).
- The output of motor vehicles turned up sharply. Excluding motor vehicle output, real GDP increased 6.1 percent in the third quarter after increasing 3.5 percent in the second.
- Final sales of computers stepped up sharply, registering the largest increase since early 1983. Excluding final sales of computers, real GDP increased 6.7 percent after increasing 3.1 percent.
- The personal saving rate edged up to 3.3 percent from 3.2 percent.³

3. The personal saving rate is measured as personal saving as a percentage of current-dollar disposable personal income. An estimate of the *national* saving rate (which is measured as gross saving as a percentage of gross national product) will be available at the end of November along with the “preliminary” estimates of the NIPAs for the third quarter.

Table 2. Contributions to Percent Change in Real Gross Domestic Product
(Seasonally adjusted at annual rates)

	2002	2003		
	IV	I	II	III
Percent change at annual rate:				
Gross domestic product.....	1.4	1.4	3.3	7.2
Percentage points at annual rates:				
Personal consumption expenditures.....	1.19	1.40	2.68	4.66
Durable goods.....	-0.72	-0.17	1.79	2.05
Nondurable goods.....	1.01	1.21	0.28	1.61
Services.....	0.90	0.36	0.60	1.00
Gross private domestic investment.....	0.93	-0.83	0.30	1.37
Fixed investment.....	0.65	-0.02	1.05	2.04
Nonresidential.....	0.24	-0.47	0.74	1.12
Structures.....	-0.25	-0.07	0.10	-0.05
Equipment and software.....	0.49	-0.40	0.64	1.18
Residential.....	0.41	0.45	0.31	0.92
Change in private inventories.....	0.28	-0.82	-0.74	-0.67
Net exports of goods and services.....	-1.59	0.78	-1.29	0.84
Exports.....	-0.59	-0.13	-0.09	0.88
Goods.....	-0.82	0.13	-0.10	0.50
Services.....	0.23	-0.25	0.02	0.38
Imports.....	-1.00	0.91	-1.21	-0.04
Goods.....	-0.71	0.81	-1.50	0.29
Services.....	-0.30	0.10	0.30	-0.33
Government consumption expenditures and gross investment.....	0.85	0.08	1.59	0.27
Federal.....	0.70	0.05	1.61	0.11
National defense.....	0.46	-0.15	1.74	0.01
Nondefense.....	0.25	0.20	-0.13	0.10
State and local.....	0.15	0.03	-0.02	0.16

Note. More detailed contributions to percent change in real gross domestic product are shown in NIPA table 8.2. Contributions to percent change in major components of real gross domestic product are shown in tables 8.3 through 8.6.

Table 3. Real Gross Domestic Product by Type of Product
[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter				
	Level	Change from preceding quarter								
	2003	2002	2003			2002	2003			
	III	IV	I	II	III	IV	I	II	III	
Gross domestic product	9,797.2	32.6	33.8	77.4	167.8	1.4	1.4	3.3	7.2	
Goods	3,919.3	-14.7	20.8	23.1	135.3	-1.6	2.2	2.5	15.1	
Services	5,089.1	38.2	7.2	44.9	22.4	3.1	0.6	3.6	1.8	
Structures	806.0	4.8	6.9	8.2	22.1	2.5	3.6	4.3	11.7	
Addenda:										
Motor vehicle output	390.9	-13.3	-1.6	-3.1	33.2	-13.4	-1.8	-3.3	42.6	
Gross domestic product less motor vehicle output	9,411.3	44.0	35.0	79.6	138.9	1.9	1.5	3.5	6.1	
Final sales of computers						26.7	28.2	27.8	94.1	
Gross domestic product less final sales of computers						1.2	1.3	3.1	6.7	

NOTE: See note to table 1 for an explanation of chained (1996) dollar series. Chained (1996) dollar levels and residuals for most items are shown in NIPA table 1.4. Detail on motor vehicle output is shown in NIPA table 8.9B.

Third-Quarter 2003 Advance NIPA Estimates: Source Data and Assumptions

The "advance" estimate for the third quarter is based on the following major source data; as more and better data become available, the estimates will be revised. (The number of months for which data were available is shown in parentheses.)

Personal consumption expenditures: Sales of retail stores (3), unit auto and truck sales (3), and consumers' shares of auto and truck sales (2);

Nonresidential fixed investment: Unit auto and truck sales (3), construction put in place (2), manufacturers' shipments of machinery and equipment other than aircraft (3), shipments of civilian aircraft (2), and exports and imports of machinery and equipment (2);

Residential investment: Construction put in place (2), single-family housing starts (3), and sales of new and existing houses (3);

Change in private inventories: Trade and nondurable manufacturing inventories (2), durable manufacturing inventories (3), and unit auto and truck inventories (3);

Net exports of goods and services: Exports and imports of goods and services (2);

Government consumption expenditures and gross investment: Some Federal outlays were available for 2 months, others for 3, state and local construction put in place (2), and State and local employment (3);

GDP prices: Consumer price indexes (3), producer price indexes (3), U.S. import and export price indexes (3), and values and quantities of petroleum imports (2).

BEA made assumptions for source data that were not available. Table A shows the assumptions for key series; a more comprehensive list is available on BEA's Web site at <www.bea.gov>.

Table A. Summary of Major Data Assumptions for Advance Estimates, 2003:III

[Billions of dollars, seasonally adjusted at annual rates]

	2003					
	April	May	June	July	August	September ¹
Private fixed investment:						
Nonresidential structures:						
Value of new total private construction put in place less residential (including improvements)	218.9	216.1	217.1	217.8	212.0	213.4
Equipment and software:						
Manufacturers' shipments of complete aircraft	20.0	22.6	34.1	29.1	24.8	21.9
Residential structures:						
Value of new residential construction put in place:						
Single-family	287.6	290.6	292.9	297.3	303.0	308.7
Multifamily	32.7	33.6	33.4	33.9	34.4	35.0
Change in private inventories:						
Change in inventories for nondurable manufacturing	2.4	-3.9	10.9	-4.6	4.3	1.2
Change in inventories for merchant wholesale and retail industries other than motor vehicles and equipment	-14.7	-24.5	5.6	15.2	-4.6	-12.4
Net exports: ²						
Exports of goods:						
U.S. exports of goods, international-transactions-accounts basis	686.8	693.1	711.1	724.2	693.0	712.1
Excluding gold	682.9	687.9	703.3	720.5	686.0	707.8
Imports of goods:						
U.S. imports of goods, international-transactions-accounts basis	1,243.1	1,253.0	1,252.0	1,264.6	1,226.9	1,268.7
Excluding gold	1,240.2	1,249.4	1,246.2	1,262.1	1,221.5	1,265.0
Net exports of goods	-556.3	-559.8	-540.9	-540.4	-533.9	-556.6
Excluding gold	-557.3	-561.5	-542.9	-541.6	-535.6	-557.2
Government:						
State and local:						
Structures:						
Value of new construction put in place	191.5	193.2	199.5	198.1	198.8	198.5

1. Assumption.

2. Nonmonetary gold is included in balance-of-payments-basis exports and imports but is not used directly in the estimation of NIPA exports and imports.

Prices, next page.

Prices

A step-up in the price index for gross domestic purchases was partly accounted for by an upturn in energy prices (table 4). Excluding food and energy items, the price index increased 1.5 percent in the third quarter after increasing 0.8 in the second (chart 2).

Prices of goods and services purchased by consumers increased 2.4 percent after increasing less than 1 percent. The price of gasoline and oil turned up, while the price of fuel oil and coal decreased less than in the second quarter. Food prices increased about the same as in the second quarter. The prices of other consumer purchases increased 1.8 percent after increasing 1.1 percent. Prices of services increased 3.1 percent, virtually the same as in each of the preceding five quarters. Prices of durable goods decreased 3.6 percent, about the same as in each of the first two quarters of this

year; since the first quarter of 1995, prices on durable goods have decreased at an average annual rate of 2.2 percent.

Prices of private fixed investment increased 0.9 percent in the third quarter after decreasing that amount in the second. Prices of equipment and software decreased less than in the second quarter, and prices of structures turned up. Since the beginning of 1995, equipment and software prices have increased only twice—and then only slightly. Prices of structures, in contrast, have increased in five of the last six quarters.

Prices paid by government increased 1.1 percent after decreasing slightly. The upturn mainly reflected prices paid by states and localities for nondurable goods (including energy goods).

The GDP price index, which measures the prices paid for goods and services produced in the United States, increased 1.7 percent, 0.2 percentage point less than the price index for gross domestic purchases. The difference between the two indexes reflects a smaller increase in export prices than in import prices.⁴ The increase in import prices was dominated by petroleum.

4. Export prices are included in the GDP price index; import prices are included in the price index for gross domestic purchases.

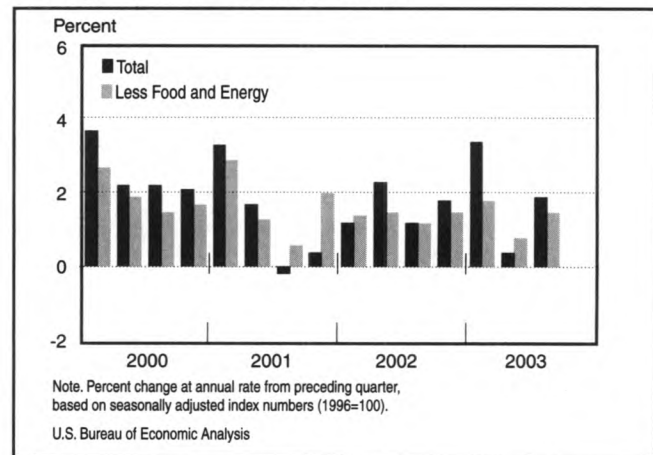
Table 4. Price Indexes

[Percent change at annual rates; based on seasonally adjusted index numbers (1996=100)]

	2002	2003		
	IV	I	II	III
Gross domestic product	1.8	2.4	1.0	1.7
Less: Exports of goods and services.....	0.9	3.9	0.8	1.9
Plus: Imports of goods and services.....	0.9	11.7	-3.9	3.1
Equals: Gross domestic purchases	1.8	3.4	0.4	1.9
Less: Change in private inventories.....				
Equals: Final sales to domestic purchasers	1.8	3.5	0.3	1.9
Personal consumption expenditures.....	1.8	2.7	0.8	2.4
Durable goods.....	-2.2	-3.7	-3.8	-3.6
Nondurable goods.....	1.2	4.6	-1.9	3.6
Services.....	3.0	3.1	3.1	3.1
Private fixed investment.....	1.8	1.9	-0.9	0.9
Nonresidential.....	0.4	-0.4	-1.5	0.3
Structures.....	2.3	4.1	-0.4	2.2
Equipment and software.....	-0.2	-1.8	-1.8	-0.2
Residential.....	5.0	7	0.4	2.0
Government consumption expenditures and gross investment.....	1.6	7.9	-0.4	1.1
Federal.....	0.3	9.8	0.9	1.0
National defense.....	1.2	9.3	0.8	1.1
Nondefense.....	-1.2	10.9	1.0	0.8
State and local.....	2.2	6.9	-1.1	1.1
Addenda:				
Gross domestic purchases:				
Food.....	1.8	1.8	2.4	2.4
Energy.....	8.8	52.6	-13.7	11.2
Less food and energy.....	1.5	1.8	0.8	1.5
Personal consumption expenditures:				
Food.....	1.8	1.7	2.4	2.5
Energy goods and services ¹	7.6	46.4	-8.1	12.3
Less food and energy.....	1.5	0.8	1.1	1.8

Note. Percent changes in major aggregates are shown in NIPA table 8.1. Index numbers are shown in tables 7.1, 7.2, and 7.4.

Chart 2. Gross Domestic Purchases Prices: Change From Preceding Quarter



Personal Income

The growth of real disposable personal income (DPI) accelerated sharply in the third quarter (chart 3). The step-up mainly reflected a \$100.0 billion drop in personal tax and nontax payments (table 5). In turn, the drop in taxes reflected the lower withholding rates and the advance payments of child tax credits provided by the Jobs and Growth Tax Relief Reconciliation Act of 2003 (signed into law May 28, 2003). The step-up in real DPI was restrained by a 2.4-percent increase in the implicit price deflator for personal consumption ex-

penditures (which is used to deflate DPI); in the second quarter, the deflator had increased 0.8 percent.

Personal income, which is measured only in current dollars, increased \$91.0 billion (or 4.0 percent) after increasing \$75.8 billion (3.4 percent). The step-up mainly reflected an upturn in rental income of persons and a step-up in proprietors' income; in addition, wage and salary disbursements contributed to the

Chart 3. Selected Personal Income and Saving Measures

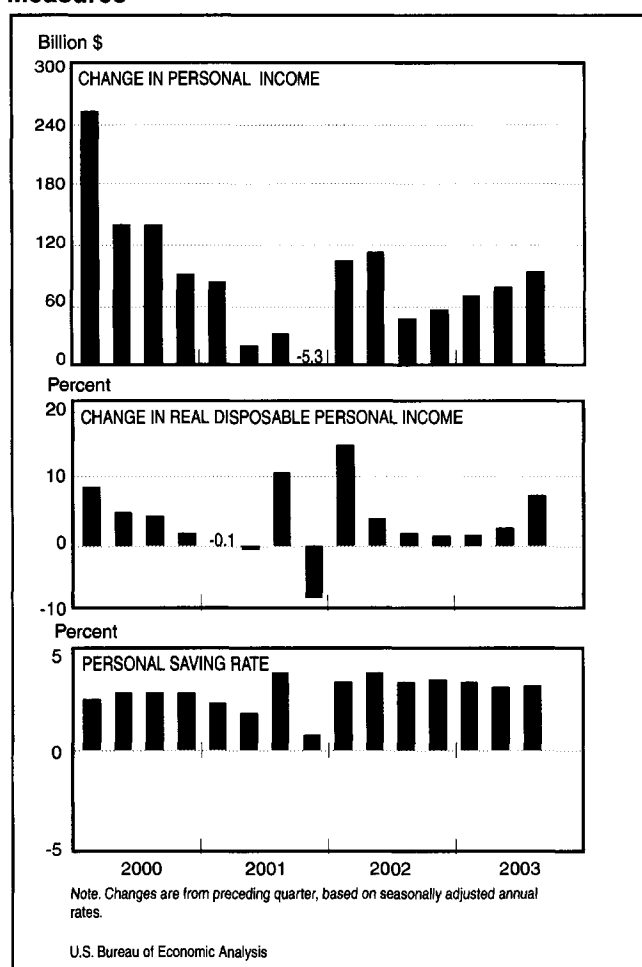


Table 5. Personal Income and Its Disposition

[Billions of dollars; seasonally adjusted at annual rates]

	Level		Change from preceding quarter		
	2003	2002	2003		
	III	IV	I	II	III
Wage and salary disbursements	5,107.7	15.7	30.7	25.4	28.5
Private industries	4,217.2	7.4	15.1	16.1	28.3
Goods-producing industries	1,111.9	-5.9	-3.1	2.8	2.9
Manufacturing	746.5	-5.9	-1.4	-3.2	-0.9
Distributive industries	1,132.4	-3.2	7.2	2.7	7.9
Service industries	1,972.9	16.6	10.9	10.6	17.5
Government	890.5	8.3	15.6	9.3	0.2
Other labor income	649.6	12.7	9.0	5.8	4.6
Proprietors' income with IVA and CCAAdj	833.6	12.9	12.8	20.1	29.1
Farm	20.7	1.0	2.5	1.2	5.3
Nonfarm	812.9	11.9	10.3	18.9	23.8
Rental income of persons with CCAAdj	121.1	-13.5	-3.7	-11.6	5.8
Personal dividend income	466.5	6.5	7.4	7.8	7.5
Personal interest income	1,082.0	0.2	-5.1	5.7	0.5
Transfer payments to persons	1,383.2	20.7	21.7	24.8	17.6
Less: Personal contributions for social insurance	396.5	1.5	5.1	2.1	2.5
Personal income	9,247.0	53.6	67.7	75.8	91.0
Less: Personal tax and nontax payments	982.6	-8.9	-16.5	9.0	-100.0
Equals: Disposable personal income	8,264.4	62.6	84.1	66.8	191.0
Less: Personal outlays	7,987.7	57.7	86.9	86.1	174.0
Equals: Personal saving	276.7	4.9	-2.9	-19.2	17.0
Addenda: Special factors in personal income:					
In government wages and salaries:					
Federal pay raise	7.7	0.0	6.3	0.7	0.7
Federal civilian retroactive pay raise	0.0	0.0	0.0	1.6	-1.6
Reservists' pay	8.8	-1.0	3.3	4.8	-1.6
In transfer payments to persons:					
Social security retroactive payments	0.0	2.0	-2.0	0.0	0.0
Cost-of-living adjustments in Federal transfer programs	7.6	0.5	7.1	0.0	0.0
Earned-income credit	3.9	0.0	3.9	0.0	0.0
In personal contributions for social insurance:					
Increase in taxable wage base	1.4	0.0	1.4	0.0	0.0
Change in premium for supplementary medical insurance	2.1	0.0	2.1	0.0	0.0
In personal tax and nontax payments:					
Federal tax law changes	-112.7	0.0	-5.2	0.0	107.5

Note. Most dollar levels are in NIPA table 2.1.
IVA Inventory valuation adjustment
CCAAdj Capital consumption adjustment

step-up modestly.

Rental income increased \$5.8 billion after decreasing twice that much. The second-quarter decrease and the decreases in the four preceding quarters mainly reflected increased expenses associated with mortgage refinancings (mortgage closing costs and other expenses are subtracted in the calculation of rental income). In the third quarter of this year, refinancing activity dropped markedly.

Proprietors' income increased \$29.1 billion; in percentage terms, the increase (15.3 percent) was the largest in more than 7 years. An increase in the income of nonfarm proprietors was concentrated in real estate and construction. An increase in the income of farm proprietors reflected increased livestock output.

Wage and salary disbursements increased a little

more than in the second quarter. A step-up in disbursements by private industries was largely offset by a slowdown in government disbursements, which were boosted in the second quarter by:

- An increase in military pay, including pay for reservists called to active duty as well as family separation allowances and imminent-danger pay, and
- A retroactive adjustment to civilian pay.

The upturn in rental income and the step-ups in proprietors' income and in wage and salary disbursements were partly offset by slowdowns in transfer payments to persons and in personal interest income. The slowdown in transfer payments was in social security and in unemployment insurance. The slowdown in personal interest income mainly reflected larger decreases in third-quarter interest rates.



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- *Directorate-level main pages*
- *Interactive data features*
- *Improved navigation*
- *A-Z index*
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webmaster@bea.gov

www.bea.gov

Chained-Dollar Indexes

Issues, Tips on Their Use, and Upcoming Changes

By J. Steven Landefeld, Brent R. Moulton, and Cindy M. Vojtech

BEA's introduction of chain-weighted indexes in 1996 significantly improved the accuracy of the U.S. estimates of the growth in real gross domestic product (GDP) and prices. These indexes use up-to-date weights in order to provide a more accurate picture of the economy, to better capture changes in spending patterns and in prices, and to eliminate the bias present in fixed-weighted indexes. A measure of their success is the widespread adoption of such indexes in economic measurement in other U.S. economic statistics and the near-universal movement by other industrial nations toward the use of such indexes for computing real GDP.

The move to chain-weighted indexes has not been painless. Such indexes are computationally difficult to use and do not provide the advantages of additivity that are present in fixed-weighted indexes. In order to provide some of the characteristics of fixed-weighted indexes, BEA developed chained-dollar indexes that are derived by multiplying the chain-weighted indexes by the current-dollar values of a specific reference year (currently, 1996).¹ For most components of GDP, these chained-dollar estimates provide a reasonable approximation of the component contribution to real GDP growth and of the relative importance of the components of GDP. Chained-dollar estimates also offer a limited ability to sum up components in user-defined groups such as GDP excluding government. However, for some components—such as computers and other high-tech equipment with rapid growth in real sales and falling prices—chained-dollar levels (as distinct from chain-weighted indexes and percent changes) overstate the relative importance of such components to GDP growth.² These problems have led to difficulties in using the chained-dollar measures in important applications of national accounts data, such as forecasting and interpreting economic changes.

This article discusses the advantages of chain-

weighted indexes and the challenges posed by chained dollars, outlines further steps that BEA will be taking to address these issues in the 2003 comprehensive revision of the national income and product accounts (NIPAs), and provides suggestions for using chained dollars in ways that reduce biases and errors in forecasting and other applications where components need to be aggregated. Highlights of this article include the following:

- Chain-weighted indexes have provided a more accurate picture of the current economic recovery than fixed-weighted indexes. Real GDP as measured by the chain-weighted index has grown at a 2.7-percent annual rate during this recovery, a relatively slow growth rate compared with past recoveries.³ However, using a fixed-weighted (1996) measure, growth would have been overstated by 1.6 percentage points, resulting in a misleadingly robust 4.3-percent growth rate.
- Because the chain-type indexes are weighted using current-period prices, the current-dollar shares of GDP provide a more accurate measure of the relative importance of components and are preferable to chained-dollar shares. Chained-dollar estimates, however, have provided a reasonable approximation of the relative importance of the five major components of GDP in recent quarters.⁴
- For the major components of GDP, when we simulate the effects of using chained dollars for forecasts and for calculations of contributions to growth, we find relatively small errors for recent periods.

2. The problems associated with chained-dollar levels for components with rapidly changing prices is the result of using a fixed base year in conjunction with a chain index whose weights change every period to reflect changes in relative prices. It is mathematically impossible to "force" chained-dollar levels to reflect both the current-period weights and period-to-period percent changes that are consistent with the chain index. As a result, BEA adopted chained-dollar levels that offer approximate additivity and that produce percent changes consistent with the chain index.

3. The current recovery is defined as from the recession trough in the third quarter of 2001 through the second quarter of 2003.

4. These five major components are personal consumption expenditures, gross private domestic investment, exports, imports, and government consumption expenditures and gross investment.

1. As part of the comprehensive revision of the national income and product accounts that will be released in December 2003, the reference year will be updated to 2000.

- For more detailed components—especially for goods and services with declining prices and rapidly rising real sales, such as computers and other high-tech products—the use of chained-dollar levels tends to overstate their relative importance and their contributions to GDP growth.
- Contributions to GDP growth of special interest aggregations, such as the sum of investment in computers and other high-tech equipment, are overstated using chained-dollar levels. Between 1995 and 2000, a simple aggregation by adding up chained-dollar estimates would suggest that high-tech investment accounted for about 21 percent of GDP growth rather than its actual contribution of about 17 percent.
- The use of current-dollar levels as GDP weights or simple “short-cut” chain-type indexes can virtually eliminate aggregation errors in forecasts and in estimates of contributions to GDP growth.
- In December, BEA will present additional tables that emphasize percent changes in the chain indexes for output and prices. It will also provide expanded tables of contributions to growth, of chain indexes for quantities and prices, of current-dollar estimates, and of current-dollar composition of GDP, which approximates the weights used in the calculation of real GDP that uses chain indexes.
- BEA will continue to make chain indexes available for all components of GDP, but the published tables will no longer show chained-dollar aggregates for certain components, such as computers, that do not provide a reasonable approximation of their relative importance in calculating the real GDP estimates. Fixed-weighted GDP estimates, which BEA has been disseminating as underlying detail, will also be discontinued.

Advantages of chain-type indexes

BEA’s chain-weighted indexes were introduced in 1996 to address “substitution bias” and the frequent revisions associated with using fixed-weighted indexes. The use of fixed-weighted measures of real GDP and of prices for periods other than those close to the base period results in a substitution bias that causes an overstatement of growth for periods after the base year and an understatement of growth for periods before the base year. For example, a fixed-weighted measure of real GDP based on 1996 prices would have overstated real GDP growth by 1.9 percentage points for the second quarter of 2003. Growth would have been a 5.1-percent using this measure, compared with the 3.3-percent yielded by BEA’s chain-type measure of

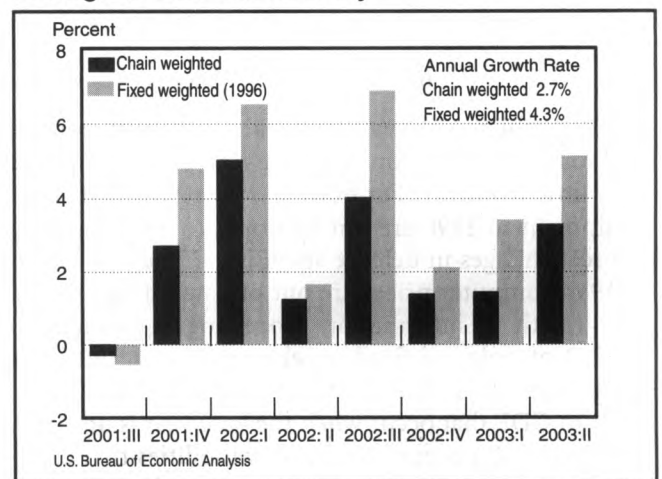
real GDP. In the current recovery between the recession trough in the third quarter of 2001 and the second quarter of 2003, average annual real GDP growth would have been *overstated* by 1.6 percentage points by a fixed-weighted index; in the five major recoveries since 1959, real GDP growth would have been *understated* by about 0.7 percentage point. The net result would have been an overstatement of the strength of the current recovery relative to the average of the past recoveries of 2.4 percentage points (see table 1 and chart 1).

Table 1. GDP Growth During the Most Recent Quarter and Recessions
[Percent]

	Fixed-weighted index	Chain-weighted index	Difference
2003:II.....	5.1	3.3	1.9
Current recovery (2001:III–2003:II).....	4.3	2.7	1.6
Average in five prior recoveries ¹	4.4	5.2	-0.7
Net overstatement of current recovery to past recoveries.....			2.4

NOTE: Numbers may not add due to rounding. The 1980:I–1980:III recession was excluded from this analysis since it did not have seven quarters of expansion following its trough.
1. Based on tracking growth from the trough of the recession through the next seven quarters (1960:IV–1962:III, 1970:IV–1972:III, 1975:I–1976:IV, 1982:III–1984:II, and 1991:I–1992:IV).

Chart 1. Gross Domestic Product Growth During the Current Recovery



The use of current-period weights in the chain-type indexes eliminates the inconvenience and confusion associated with BEA’s previous practice of updating the weights and base years—and thereby rewriting economic history—about every 5 years. By minimizing substitution bias, the chain-type measures of real GDP growth also improves analyses of long-term issues, such as productivity, returns to investment, and the growth potential for the economy.

The introduction of chain-type indexes provides a measure of changes in real GDP that removes the effects of inflation and allows for consistent comparisons of GDP growth over time. The fundamental problem confronting the efforts to adjust GDP for inflation is that there is not a single inflation number but a wide spectrum of goods and services with prices that are changing relative to one another over time. Prior to 1996, BEA dealt with this problem by picking prices of a single base year. These estimates were relatively easy to understand and were referred to as fixed-weighted, or "constant-dollar," estimates. Technically, the estimates were Laspeyres quantity indexes that measure current-period output relative to that for the base period, 0, using base period prices:

Laspeyres quantity index (L):

$$L_{t,0} = \frac{\sum P_0 Q_t}{\sum P_0 Q_0},$$

where P_0 represents the prices for the base period, Q_0 represents the quantities for the base period, and Q_t represents the quantities for another period, t . The Laspeyres quantity index provides comparisons of relative quantities between periods. From the Laspeyres quantity index, the constant-dollar measure is obtained by scaling the index to its current-dollar value for the base period, creating an additive measure in units of base-year prices:

Fixed-weighted (constant-dollar) aggregate =

$$L_{t,0} \sum P_0 Q_0 = \sum P_0 Q_t.$$

The problem with using constant-dollar measures is that for periods far from the base year, base-year prices have little relevance. For example, the prices of defense equipment in 1996 are not appropriate for measuring the real changes in defense spending in the 1940s, just as 1996 computer prices are out of date for measuring the growth in information processing equipment in 2003. Not only are fixed weights irrelevant, but their use also results in the substitution bias and large revisions to GDP that occur when the base year is updated. Large revisions occur because commodities that experience rapid growth in output tend to be those for which prices increase less than average or decline. Thus, when real GDP is recalculated using more recent price weights, the commodities with strong output growth generally receive less weight, and the growth in the aggregate measure is revised down. These recalculations provide more accurate measures of growth in current periods near the base year because the base-year weights more closely reflect the prices of the econ-

omy in current periods; for earlier periods, however, the recalculations provide less accurate measures of growth because the weights are further away from the prices appropriate for those periods.

Chain indexes do not use a set of fixed weights; they use separate sets of weights for each time period. The formula used by BEA to calculate the chain indexes is known as the Fisher index, named after Irving Fisher, who originally developed this index to more consistently measure quantity and price changes over time. The Fisher formula generates two sets of weights for each pair of periods, $t-1$ and t , using prices from both the current period and the previous period, and it is calculated as the geometric mean of a Laspeyres index and a Paasche index. Recall from above that the Laspeyres index uses previous-period prices to value current- and previous-period output:

Laspeyres quantity index (L):

$$L_{t,t-1} = \frac{\sum P_{t-1} Q_t}{\sum P_{t-1} Q_{t-1}}.$$

Conversely, the Paasche index uses the prices of the current period to value current- and previous-period output:

Paasche quantity index (P):

$$P_{t,t-1} = \frac{\sum P_t Q_t}{\sum P_t Q_{t-1}}$$

Fisher quantity index (F):

$$F_{t,t-1} = \sqrt{L_{t,t-1} \times P_{t,t-1}}$$

Then the chain-type quantity index is formed by multiplying, or "chaining," together the Fisher indexes for each pair of periods:

Chain-type quantity index (I):

$$I_{t,0} = F_{t,t-1} \times F_{t-1,t-2} \times \dots \times F_{1,0},$$

where period 0 is the reference year. (We use the term "reference year" rather than "base year" because for the chain-type quantity index, period 0 does not affect the weights used in the calculation of relative period-to-period changes and only serves as a point of reference.) Percent changes and growth rates between any pair of periods can be calculated directly from the quantity indexes. The most important feature of the chain-type index is that it uses different weights for each pair of periods, weights that represent the relevant prices or economic conditions for those periods. During periods when certain commodities are experiencing rapidly falling prices, the Laspeyres index over-

states their contributions, while the Paasche index understates their contributions. In effect, the Fisher index is calculating the “middle ground” by taking an average of these two indexes.

Challenges of using chain-type indexes

One challenge posed by using chain-type indexes is that while they produce more accurate estimates of the growth in real GDP and its components, users of macroeconomic statistics need more than index numbers and percent changes. For more than 40 years, forecasting and analysis relied on constant dollars and were based on an additive accounting system in which real levels for the components of GDP added up to total GDP. Because the system was additive, the shares of the real components were measures of their relative importance in total real GDP. Similarly, in decomposing total GDP growth by component, the change in the constant-dollar values measured the component’s contribution to the change in the fixed-weighted aggregate. Economic analysts could construct—by simple subtraction or addition—the growth rates for user-defined aggregates, such as high-tech investment, energy-sensitive goods and services, or GDP excluding motor vehicles. Indeed, most large-scale macroeconomic models were built and estimated on the assumption that real GDP was additive.

To address the needs of its data users, BEA developed chained-dollar estimates and tables of contributions to growth rates based on chain-type quantity indexes for real GDP and its components. The chained-dollar estimates are simply the chain-type quantity indexes for real GDP (or a component) indexed to the relevant 1996 current-dollar value for GDP (or a component) rather than to 1.00 in 1996:

$$\text{Chained-dollar aggregate} = I_{t,0} \sum P_0 Q_0$$

Because the 1996 chained-dollar aggregate is just the quantity index scaled to 1996 current dollars, the percent changes in the chained-dollar aggregates are, by construction, equal to the percent changes in the quantity indexes for real GDP and its components.

For periods near the reference year, these chained-dollar indexes provide a reasonable approximation of the relative importance of major aggregates. However, they are approximations only and do not represent the weights or the relative importance of each component used in computing the Fisher chain indexes for GDP and for its components. The actual weights can be better approximated by each component’s relative share in

current-dollar GDP for the most recent period.

The chained-dollar share represents the reference period’s (1996) share of GDP, adjusted for all the growth in the quantity, or real, index during the period between the reference period and the current period. This chained-dollar value ignores the changes in relative prices over that period, although it is the current-period prices that determine the relative importance of each component in real GDP for the current period. The weight of a component of real GDP is equal to what purchasers actually pay for a product in the current period, not what they might have paid in some past period. For goods and services whose prices have grown at a rate close to the overall inflation rate, chained-dollar values are not too far from the true weights, but for goods with rapidly falling prices—such as computers—the chained-dollar values overstate the relative importance of such components in GDP and total spending by not taking into account the rapid decline in prices that fueled the growth in the real quantities purchased.

For example, in 1996, a fairly powerful personal computer may have cost \$5,000. Today, technological innovation has reduced the cost of an equivalent personal computer system to about one-ninth that amount. The use of chained dollars based on 1996 expenditures and prices—without allowing for the sharp drop in prices since that time—significantly overstates the relative value and impact of computers on the economy during the last half of the 1990s when computers experienced explosive growth and during the second and third quarters of 2003 when computer sales accelerated. Thus, in 1996, the purchase of 30 new high-end personal computers had a value roughly equal to a new home, but the use of this relative price to value such an investment in 2003 overstates by nine-fold the value and the impact of that purchase in terms of jobs, wages, profits, and intermediate products relative to the purchases of homes and other capital goods.

This overstatement of the chained-dollar estimates for computers affects both the relative importance of computers and their contributions to growth in output and in prices. As a result, BEA recommends the use of the tables of contributions to growth (NIPA tables 8.2–8.6) rather than the use of calculations based on chained dollars.

The overstatement in the relative importance of computers can be seen by looking at the chained-dollar levels for computers relative to the level of GDP. Final sales of computers as measured in chained dollars would appear to represent 4.9 percent of GDP in the

second quarter of 2003, whereas in current dollars, final sales of computers were only 0.7 percent of GDP. (Final sales of computers are said to “appear to represent” because chained dollars are not additive, and the sum of “GDP less final sales of computers” and “final sales of computers” is larger than GDP itself.)

The increasing overstatement of chained-dollar estimates for computers and their contribution to growth for periods after the base year of 1996 can be seen by looking at their contribution to growth over three periods: The last half of the 1990s, the last four quarters (2002:III–2003:II), and the second quarter of 2003. For 1995–2000, the share of real GDP growth accounted for by private investment in computers is about 11 percent using chained dollars, whereas the actual share is about 9 percent (see table 2 and NIPA table 8.2).⁵ For the last four quarters, the average chained-dollar share of computer investment in GDP growth is about 35 percent, roughly 4.5 times its actual contribution to the growth of real GDP. In the second quarter of 2003, chained-dollar estimates suggest that investment in computers accounted for nearly half of the 3.3 percent GDP growth, while its true contribution to real GDP growth was 0.34 percentage point, about one-tenth of real GDP growth.

Table 2. Contribution Share of GDP Growth
[Percent]

	1995	1996	1997	1998	1999	2000	Average	
							1995–2000	1997–2000
Computer investment:								
Based on chained dollars	8.5	8.1	9.2	12.8	17.1	11.7	11.2	12.7
Actual.....	12.6	9.4	8.2	8.4	8.3	4.5	8.6	7.9
High-tech investment:¹								
Based on chained dollars	16.1	15.6	18.7	24.0	28.2	25.2	21.3	22.2
Actual.....	18.4	13.5	17.5	19.1	18.5	16.2	17.2	17.8

1. Defined as computers and peripheral equipment, software, and communications equipment.

The share of growth accounted for by user-defined totals, such as “high-tech” investment (computers, software, and communications equipment) will also be overstated if these totals are calculated as the sum of the chained-dollar estimates. High-tech investment appears to have accounted for 21 percent of real GDP growth between 1995 and 2000, whereas the actual contribution to GDP growth over this period was 17 percent.

Similar problems arise in measuring the contribu-

5. Figures are based on average annual contribution shares. When average quarterly contribution shares are calculated using chained dollars, they show more significant inaccuracies—a 16-percent share versus the actual share of 12 percent between 1995 and 2000.

tion to, or relative importance of, changes in prices using chained dollars. For example, the use of chained dollars to weight the relative contribution of computers to overall inflation in recent years will overstate the importance of falling computer prices in restraining inflation. For 2002, the use of chained dollars to compute growth in the price index for gross domestic purchases excluding final sales of computers would have produced an inflation rate of 1.6 percent. This figure suggests that falling computer prices reduced inflation by about 0.4 percentage point rather than their actual reduction of about 0.2 percentage point.

Notwithstanding these problems associated with using chained dollars for goods and services with large changes in relative prices, chained dollars provide reasonable order-of-magnitude estimates of the relative importance of the major components of GDP for periods that are not too far from the reference year. As can be seen in table 3, chained dollars have provided a good general picture of the relative importance of the five major components of GDP in recent periods. Their share of chained-dollar GDP in recent quarters is within 1 to 3 percentage points of the actual weights for these components of real GDP.

Table 3. Component Shares of GDP: Chained-Dollar Estimate Versus Chain-Weighted Index
[Percent]

	2002			2003:II		
	Chained-dollar estimate	Chain-weighted index	Difference	Chained-dollar estimate	Chain-weighted index	Difference
Personal consumption expenditures.....	69.7	69.0	0.7	69.9	69.9	0.0
Investment.....	16.8	15.7	1.1	16.7	15.0	1.7
Exports.....	11.2	10.6	0.6	11.0	9.5	1.5
Imports.....	-16.4	-13.5	-2.9	-16.6	-13.8	-2.8
Government.....	18.1	18.3	-0.2	18.4	18.7	-0.2

Note: Numbers may not add due to rounding.

Tips for forecasting and analysis using chained-dollar levels

The problems in using chained dollars extend to forecasts. Because virtually all macroeconomic models and forecasts were originally developed using additive fixed-weighted (or constant-dollar) estimates, the switch to using chained dollars was a major challenge for forecasters who had to (1) reestimate the behavioral relationships in their models to reflect the new unbiased NIPA component estimates and their lack of additivity in relationship to GDP and other subaggregates, (2) develop a new aggregation chain-weighted (Fisher) scheme based on estimates of quantities and

prices for each of the components, and (3) develop the computer code needed to support these changes.⁶

These tasks were somewhat easier for those forecasters using large-scale models who had already produced separate price and quantity estimates for their major components, because these estimates could be used to create the necessary Fisher indexes. However, many desktop and other small-scale forecasters chose to keep their existing models and to use chained-dollar estimates in the same way that they had previously used constant-dollar estimates. As a consequence, when the chained-dollar forecasts for the components were added up, the results differed in level and in rate of growth from BEA's chained-dollar estimates of GDP. In order to better predict BEA's published estimates, these forecasters found that they had to estimate the residual between the sum of their forecasted chained-dollar components and BEA's aggregate chained-dollar estimates, which were based on the nonadditive current-period Fisher weights. (Often this forecast of the residual is derived by assuming that the residual for the next quarter is the same as that for the current quarter.)

6. See Chris Vavares, Joel Prakken, and Lisa Guirl, "Macro Modeling with Chain-Type GDP," *Journal of Economic and Social Measurement* 24 (1998): 123-142.

Thus, even if their forecasts for each of the components were exactly right, by adding up chained dollars rather than by basing the estimates on the current-period Fisher weights, an additional forecast error was introduced because of the use of the wrong weights in aggregation. While errors in component forecasts and revisions to GDP are probably larger than aggregation errors, the latter are easier to address than other sources of errors.

Indeed, aggregation errors can be virtually eliminated by using one of two fairly simple higher level aggregation methods that are good approximations of the detailed level Fisher weights actually used by BEA in estimating GDP. The first method essentially uses the most recent current-dollar levels to "weight" forecasted estimates of the percent change of each of the major components of real GDP and then sums them up to calculate real GDP (with the current quarter as the base period) and the change in real GDP. The second method requires separate estimates of quantities and of prices for each of the major components that are then used to estimate a higher level Fisher index. Both methods produce GDP growth rates that are very close to the results produced by the detailed Fisher index used by BEA that incorporates

Table 4. One-Quarter-Ahead Forecasts Using Current-Dollar Levels

1	A	B C D E				F G H I J K L M							
	2	Percent change from preceding period				Billions of dollars							
		Forecasted growth				Published				Forecast			
		2002		2003		2002				2002		2003	
		II	III	IV	I	I	II	III	IV	II	III	IV	I
3	Calculation								$F^{*(1+B)}$ $\wedge_{.25}$	$G^{*(1+C)}$ $\wedge_{.25}$	$H^{*(1+D)}$ $\wedge_{.25}$	$I^{*(1+E)}$ $\wedge_{.25}$	
6	Personal consumption expenditures:												
7	Durable goods	2.0	22.8	-8.2	-2.0	859	857	898	874	863	902	879	869
8	Nondurable goods	-0.1	1.0	5.1	6.1	2,085	2,108	2,117	2,150	2,085	2,114	2,143	2,182
9	Services	2.7	2.3	2.2	0.9	4,230	4,290	4,346	4,402	4,258	4,314	4,370	4,411
10	Gross private domestic investment	7.9	3.6	6.3	-5.3	1,559	1,588	1,597	1,628	1,589	1,602	1,622	1,606
11	Fixed investment:												
12	Nonresidential:												
13	Structures	-17.6	-21.4	-9.9	-2.9	288	275	259	254	275	259	253	252
14	Equipment and software	3.3	6.7	6.2	-4.8	838	841	850	863	845	854	863	852
15	Residential	2.7	1.1	9.4	10.1	463	469	470	487	466	470	481	498
16	Change in private inventories ¹									4	19	25	3
17	Net exports of goods and services:												
18	Exports:												
19	Goods	15.9	4.1	-11.5	1.9	680	709	723	703	705	717	701	706
20	Services	10.7	5.9	8.0	-8.0	298	309	316	323	305	313	322	316
21	Imports:												
22	Goods	27.9	3.4	6.2	-6.7	1,102	1,203	1,221	1,242	1,172	1,213	1,240	1,221
23	Services	-2.1	3.1	13.0	-4.0	235	241	251	259	234	243	258	256
24	Government consumption expenditures and gross investment:												
25	Federal	7.5	4.3	11.0	0.7	672	688	698	717	684	695	716	718
26	State and local	-1.7	2.2	1.2	0.2	1,267	1,272	1,283	1,294	1,262	1,279	1,287	1,295
27	Gross domestic product					10,313	10,377	10,506	10,589	10,346	10,480	10,542	10,626
28	Forecasted growth in GDP									1.3	4.0	1.4	1.4
29	Published growth in GDP									1.3	4.0	1.4	1.4
30	Forecasted growth error									0.0	0.0	0.0	0.0
31	Mean absolute error over four quarters												0.01

NOTE: Numbers may not add due to rounding.

1. Since change in private inventories can be positive or negative, it is calculated implicitly by calculating gross private investment and subtracting fixed investment components.

over 1,500 separate price and quantity estimates.

For example, if desktop forecasters in the first quarter of 2002 wanted to estimate real GDP growth for the second quarter of 2002 using a current-dollar-weighting method, they would first have estimated the real quarterly growth rates for each of the components of GDP used in the forecast as shown in column B of table 4.⁷ (To enhance the comprehension of the forecast methods outlined in this article, tables 4–6 appear in spreadsheet format.) Next, these growth rates would have been used to estimate current-dollar levels for the second quarter. Notice that the fourth root of one plus the annualized growth rate must be used to convert to quarterly growth rates (see the “Calculation” row for columns J–M). Each of the components for the first quarter would have been multiplied by its estimated growth rate, and the forecasted levels would

then have been summed to produce a weighted average growth rate for real GDP. Because the use of the current-dollar levels for the previous quarter as weights approximates the weights used in the quarterly Fisher chain index, the current-dollar weighting method produces aggregates that are fairly accurate for making forecasts.

As can be seen by comparing table 4 with table 5, the use of the current-dollar levels from the latest quarter as a base can significantly reduce aggregation errors in forecasts. As shown in table 5, for the second quarter of 2002, even with perfect foresight, simply adding up the forecasted levels for each of the chained-dollar components at the level of aggregation used by many forecasters (that is, assuming that the residual is unchanged) would have produced a real GDP growth rate of 0.9 percent, about 0.3 percentage point below the published rate of 1.3 percent. However, the use of the of first-quarter current-dollar GDP component levels would have produced a weighted-average growth rate of 1.3 percent, about the same as the published value. Over a four-quarter forecast horizon, the use of the current-dollar levels to estimate the next quarter’s

7. In order to isolate the impact of aggregation problems, perfect foresight is assumed, and the annual growth rates in columns B–E correspond to the published estimates. Note that in order to get more significant digits, growth rates carried through the spreadsheet are based on calculating the rate of change for published chained-dollar levels, which have the same accuracy as the three-decimal-place quantity indexes available as underlying estimates.

Table 5. One-Quarter-Ahead Forecasts Using Chained-Dollar Levels

1	A	B C D E				F G H I J K L M							
		Percent change from preceding period				Billions of chained (1996) dollars							
		Forecasted growth				Published ¹				Forecast			
		2002		2003		2002		2002		2002		2003	
4	II	III	IV	I	I	II	III	IV	II	III	IV	I	
5	Calculation:								$F^{*(1+B)}$ $\wedge_{.25}$	$G^{*(1+C)}$ $\wedge_{.25}$	$H^{*(1+D)}$ $\wedge_{.25}$	$I^{*(1+E)}$ $\wedge_{.25}$	
6	Personal consumption expenditures:												
7	Durable goods	2.0	22.8	-8.2	-2.0	976	981	1,032	1,011	981	1,032	1,011	1,005
8	Nondurable goods	-0.1	1.0	5.1	6.1	1,921	1,921	1,926	1,950	1,921	1,926	1,950	1,979
9	Services	2.7	2.3	2.2	0.9	3,642	3,666	3,687	3,707	3,666	3,687	3,707	3,715
10	Gross private domestic investment	7.9	3.6	6.3	-5.3	1,551	1,584	1,601	1,626	1,581	1,598	1,626	1,604
11	Fixed investment:												
12	Nonresidential:												
13	Structures	-17.6	-21.4	-9.9	-2.9	243	232	218	213	232	218	213	211
14	Equipment and software	3.3	6.7	6.2	-4.8	954	961	977	992	961	977	992	980
15	Residential	2.7	1.1	9.4	10.1	384	386	387	396	386	387	396	406
16	Change in private inventories ²					-29	5	19	26	2	16	25	8
17	Net exports of goods and services:												
18	Exports:												
19	Goods	15.9	4.1	-11.5	1.9	738	766	774	750	766	774	750	754
20	Services	10.7	5.9	8.0	-8.0	292	300	304	310	300	304	310	304
21	Imports:												
22	Goods	27.9	3.4	6.2	-6.7	1,250	1,329	1,340	1,361	1,329	1,340	1,361	1,337
23	Services	-2.1	3.1	13.0	-4.0	226	224	226	233	224	226	233	231
24	Government consumption expenditures and gross investment:												
25	Federal	7.5	4.3	11.0	0.7	598	609	615	631	609	615	631	633
26	State and local	-1.7	2.2	1.2	0.2	1,099	1,095	1,101	1,104	1,095	1,101	1,104	1,105
27	Gross domestic product before residual					9,343	9,367	9,473	9,496	9,364	9,470	9,495	9,530
28	Residual	0.0	0.0	0.0	0.0	20	25	12	22	20	25	12	22
29	Gross domestic product					9,363	9,392	9,486	9,518	9,385	9,496	9,507	9,552
30	Forecasted growth in GDP									0.9	4.5	0.9	1.4
31	Published growth in GDP									1.3	4.0	1.4	1.4
32	Forecasted growth error									-0.3	0.4	-0.5	0.0
33	Mean absolute error over four quarters												0.31

NOTE: Numbers may not add due to rounding.

1. Published chained-dollar level for gross private domestic investment based on aggregation of lower chained-dollar levels. Published residual based on reported chained-dollar GDP less chained-dollar components used in forecast.

2. Because change in private inventories can be positive or negative, it is calculated implicitly by calculating gross private investment and subtracting fixed investment components.

component and real GDP forecast would have reduced the forecast error due to aggregation from 0.31 percentage point to 0.01 percentage point.

The use of a higher level Fisher index—sometimes referred to as a “Fisher of Fishers”—is a somewhat more complicated forecasting method, but it produces similar reductions in aggregation errors. The extra complexity of the “Fisher of Fishers” is balanced by the conceptual consistency with the actual Fisher index used in computing GDP and the greater accuracy that could be obtained during periods of rapid price changes for which the use of the current-quarter and next-quarter weights would be more stable and subject to less revision than the use of only current-quarter weights.

The first step in estimating the “Fisher of Fishers” is to calculate a Laspeyres index. For a second-quarter 2002 forecast, the denominator in the Laspeyres index is simply the current-dollar value for the first quarter (see table 6). The numerator is the sum of the forecasted quantities for the second quarter valued in the

first quarter’s prices.

The second step is to form the Paasche index where the numerator is the second-quarter output forecasted in current dollars. The denominator is the sum of the first quarter’s quantities multiplied by the second-quarter price forecasts. The Fisher index is the square root of the Laspeyres index multiplied by the Paasche index, which is a geometric mean. Finally, the growth rate for real GDP is found by raising the second-quarter “Fisher-of-Fishers” forecast to the fourth power and subtracting one.

The use of the “Fisher of Fishers” to estimate second-quarter growth in GDP would have produced a growth rate of 1.24 percent, 0.02 percentage point less than the published real GDP growth. Over a four-quarter forecast horizon, the use of a “Fisher of Fishers” would have produced an average GDP growth rate of 2.0 percent and would have reduced the forecast error due to aggregation from 0.31 percentage point to 0.03 percentage point, and over eight quarters, from 0.25 percentage point to 0.04 percentage point.

Table 6. One-Quarter-Ahead Forecast Using Fisher of Fishers

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Percent change from preceding period		Levels in billions of dollars											
2	Forecasted growth		Published			Forecast			Laspeyres		Paasche		Fisher	
3	Nominal	Real	Current-dollar level	Chained-dollar level	Deflator	Current-dollar level	Chained-dollar level	Deflator						
4	2002:II		2002:I			2002:II			2002:II		2002:II		2002:II	
5	Calculation				D/E	D * (1+B)^.25	E * (1+C)^.25	G/H	F * H	sum(J)/ D	E * I	sum(G)/ sum(L)	(K * M)^.5	
6	Gross domestic product			10,313	9,363	1.101						1.003	1.003	1.003
7	Personal consumption expenditures			7,174	6,514	1.101								
8	Durable goods	-0.9	2.0	859	976	0.880	857	981	0.874	863		853		
9	Nondurable goods	4.5	-0.1	2,085	1,921	1.085	2,108	1,921	1.098	2,085		2,109		Forecast
10	Services	5.7	2.7	4,230	3,642	1.161	4,290	3,666	1.170	4,258		4,261		9,392
11	Gross private domestic investment			1,559	1,554	1.003								1.24%
12	Fixed investment			1,589	1,576	1.008								
13	Nonresidential			1,127	1,188	0.948								
14	Structures	-17.1	-17.6	288	243	1.186	275	232	1.188	275		289		Less:
15	Equipment and software	1.1	3.3	838	954	0.879	841	961	0.874	845		834		actual
16	Residential	5.4	2.7	463	384	1.206	469	386	1.214	466		466		9,392
17	Change in private inventories ¹			-30	-29	0.985	3	5	0.990	5		-29		1.25%
18	Net exports of goods and services			-360	-447	0.806								
19	Exports			977	1,031	0.948								
20	Goods	18.6	15.9	680	738	0.921	709	766	0.926	705		684		
21	Services	15.8	10.7	298	292	1.019	309	300	1.030	305		301		Equals:
22	Imports ²			1,338	1,477	0.905								forecast error
23	Goods	41.8	27.9	1,102	1,250	0.882	1,203	1,329	0.905	1,172		1,131		-0.4
24	Services	9.9	-2.1	235	226	1.043	241	224	1.074	234		242		-0.02%
25	Government consumption expenditures and gross investment			1,939	1,697	1.143								
26	Federal	10.0	7.5	672	598	1.124	688	609	1.131	684		676		
27	State and local	1.3	-1.7	1,267	1,099	1.153	1,272	1,095	1.162	1,262		1,277		

NOTE: Numbers may not add due to rounding.

1. Assumes that percent contribution to GDP growth is known (chained-dollar level and current-dollar level are known).

The deflator is based on the implicit price deflators for private inventories (see NIPA table 7.16B).

2. Imports are actually subtracted in the summation calculations for the Laspeyres and Paasche indexes.

Table 7 summarizes the improvements in forecast accuracy that can be obtained by using either current-dollar weights or a “Fisher of Fishers” at different levels of aggregation. During the current recovery and at the five-component level, forecasts based on current-dollar weights would have had a mean absolute aggregation-related forecast error of 0.012 percentage point, and forecasts based on the “Fisher of Fishers” would have had a mean absolute error of 0.003 percentage point. At the more detailed levels of aggregation used by many forecasters, the approximations are close to the published GDP growth rates—and significantly better than simple addition of chained-dollar forecasts—although they exhibit somewhat larger aggregation errors.

Forthcoming changes to the NIPAs

A number of new and redesigned tables will be introduced as part of the comprehensive revision of the NIPAs that will be published next month.⁸ Among the changes that will address some of the problems associated with chained dollars (as distinct from chain-type indexes) are

- New tables that present relative shares of the components of GDP and gross domestic income in current dollars in order to aid in the analysis of the relative importance of the components and
- New tables that highlight percent changes and contributions to percent change in the components of GDP to provide additional information on the sources of change in the economy.

In line with these changes, BEA will eliminate some of the most misleading aspects of the chained-dollar estimates by dropping, or “leadering out,” those

8. See Nicole Mayerhauser, Shelly Smith, and David F. Sullivan, “Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: New and Redesigned Tables,” *SURVEY OF CURRENT BUSINESS* 83 (August 2003): 7–31.

components, such as computers, whose chained-dollar levels are far from their relative importance in the Fisher chain index. Armed with the additional information provided in the new tables, users should be better equipped to find the information they seek without relying on chained-dollar estimates, and they can thereby avoid the problems associated with the estimates.⁹ BEA also plans to discontinue producing fixed-weighted estimates of constant-dollar GDP, which had been made available as underlying detail estimates.

In the next year or two, BEA will also introduce an interactive section of its Web site that will permit users to define their own aggregates and to compute the relative importance and contributions to growth of these user-defined aggregates. This new feature will make it more convenient for users to work with the chain-type aggregates.

9. BEA will continue to make chained-dollar estimates available on its Web site, but it cautions users of these estimates to be aware of the problems involved in their use and suggests the use of the techniques cited above for ameliorating the problems associated with chained dollars.

Table 7. Summary of Forecast Methods
(Percent)

Forecasting method used	2001:III–2003:II	
	Average growth rate	Mean absolute error
Actual.....	2.36	.....
Current-dollar method:		
High level.....	2.37	0.012
Medium level.....	2.37	0.018
Low level.....	2.37	0.018
Chained-dollar method:		
High level.....	2.24	0.137
Medium level.....	2.37	0.236
Low level.....	2.37	0.199
Fisher of Fishers:		
High level.....	2.36	0.003
Medium level.....	2.34	0.037
Low level.....	2.34	0.036

NOTE: High level = C + I + G + (X - M).
Medium level is NIPA table 1.1 excluding federal government breakdown.
Low level is medium level, including detailed breakdown of private fixed investment in equipment and software shown in NIPA table 5.4.

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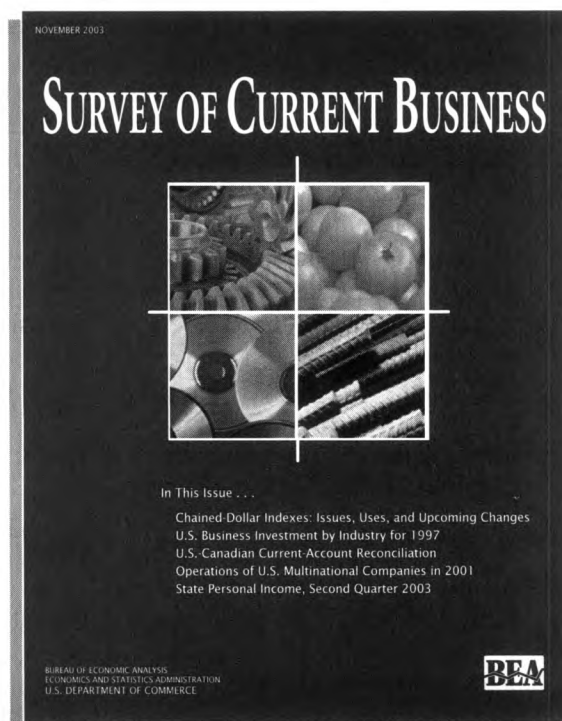
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Business Investment by Industry in the U.S. Economy for 1997

By Douglas S. Meade, Stanislaw J. Rzeznik, and Darlene C. Robinson-Smith

ON September 30, 2003, the Bureau of Economic Analysis (BEA) released the capital flow table for 1997. This table supplements the 1997 benchmark input-output (I-O) accounts, which were published in the December 2002 SURVEY OF CURRENT BUSINESS.¹ The use table from the benchmark I-O accounts shows the materials and services input requirements for each industry. The capital flow table shows the structure of flows of new capital goods and services for each industry.

The capital flow table enables many types of analysis that are not possible using only the I-O table. Among these are the market analysis for capital goods, the examination of the effects of information technology investment on productivity, and the development of capital stocks by industry using asset-specific depreciation estimates. Analytical and statistical uses of the capital flow table are described in further detail below.

The 1997 capital flow table shows the destination of new investment in equipment, software, and structures in terms of the industries purchasing or leasing the new investment in 1997. This table is one of several BEA data products that present information on capital investment. The national income and product accounts (NIPAs) show investment by major type of asset. The I-O accounts show private fixed investment by detailed commodity as one column of purchases by all industries. The BEA fixed assets estimates show investment, depreciation, and net capital stocks by asset type by industry of owner. The capital flow table provides the most detailed view of investment by commodity and by using industry, showing flows of 180 commodities to 123 private sector industries.

The capital flow table is an important part of the theoretical apparatus that was developed by Wassily Leontief, the father of I-O analysis. However, Leontief did not succeed in building a capital flow table, and the first large-scale I-O table that was developed by the Bureau of Labor Statistics for 1947 had no capital flow table.² Work began on the first capital flow table after the 1963 benchmark I-O table was published by BEA. The 1997 capital flow table is the seventh in a series of tables that BEA has produced. The earlier tables supplemented the benchmark I-O accounts for 1963, 1967,

1972, 1977, 1982, and 1992.³

The following major changes have been introduced in the 1997 capital flow table:

- The data are now presented on the basis of the North American Industry Classification System (NAICS).
- More detail is now available in the services industries and the information sector (NAICS 51) that represent a large and growing market for information technology (IT) and other high-tech capital.
- The table now includes software investment, a change that was adopted in the NIPAs in 1999 and that was incorporated into the 1997 benchmark I-O accounts.

The goal of this article is to help make the capital flow table a familiar and useful tool to business economists, academic economists, and policymakers. The first section presents a tour of the main features of the table. The second section illustrates several analytical and statistical uses of the table. The remaining sections cover the definitions and conventions underlying the table, the methodology used to construct the table, and areas for future research.

Presentation of the Capital Flow Table

The capital flow table is presented in two formats at the end of this article. Both formats reflect the same underlying data. In table 1, the rows show the flow of new capital goods and services by 180 I-O commodities in producers' prices.⁴ In table 2, the rows show flows of new equipment, software, and structures by 51 major NIPA categories in purchasers' prices.⁵ Both tables have 123 columns of using industries, which are listed in appendix A. The commodities that make up structures, equipment, and software investment flows are listed in appendix B.⁶

3. The capital flow tables for 1963, 1967, 1972, 1977, and 1992 were published in the August 1971, September 1975, July 1980, November 1985, and December 1998 issues of the SURVEY, respectively. The 1982 table was not published, but it is available on BEA's Web site. No table was prepared for 1987.

4. Data in purchasers' prices include trade and transportation costs; in the data in producers' prices these costs are moved to the trade and transportation rows of the table.

5. The categories in table 2 are roughly equivalent to those presented in NIPA tables 5.6 and 5.8 and are the same as those in appendix D in Lawson, et al. (2002). Note that in the 2003 comprehensive NIPA revision, to be released in December, these table numbers will be changed, and the asset categories will be somewhat different.

6. The commodities in Appendix A are identified by six-digit codes, and the industries in Appendix B by four-digit codes. These I-O codes are slightly modified NAICS codes. The tables are also available on BEA's Web site at <www.bea.gov> in an Excel spreadsheet. Aggregate versions of the table with 22 columns are available as well.

1. See Lawson, et al. (2002).

2. In the late 1940s, Bob Solow, a young graduate student, was put to the task of deriving capital coefficients. This project never resulted in a published table. Leontief (1976) is the canonical presentation. Solow (1998) provides an anecdotal account of working with Leontief. The NBER volume (1955) contains various articles relating to the 1947 I-O study.

The capital flow table by I-O commodity. The rows in table 1 show I-O commodities in producers' prices by using industry. The trade margins and transportation costs are in separate rows that represent the costs that are allocated to the users of the commodities.

The final row of the table shows total investment in new equipment, software, and structures used by each industry. The last column in the table shows the total sales of each commodity to private fixed investment. The trade and transportation rows show the margins that were spent to bring the good or service to the final user. The grand total of the matrix—\$1,324.2 billion—is on the last page of the table, at the bottom right.

Viewing the rows of the table is useful when the market for, or the destination of, a particular capital goods commodity is examined. For example, row 133 shows the distribution of heavy duty trucks (336120). Total sales of heavy duty trucks in producers' prices were \$13.8 billion (see line 133, in the last column). Truck transportation (4840) was the largest using industry, with total purchases and leases of \$4.0 billion. The next largest using industry was "new and maintenance and repair construction" (2300), with total purchases and leases of \$2.3 billion.

Viewing the columns of the table shows the mix of goods and services that compose the new investment that is used by an industry and the trade and transportation margins that are expended to deliver these goods and services to the final user. For example, the column for pharmaceutical and medicine manufacturing (3254) shows total new equipment, software, and structures amounting to \$5.5 billion. Two of the largest components of new investment in this industry were structures: New industrial plants construction (233621) was \$1.1 billion, and new office building construction (233722) was \$0.3 billion.

The capital flow table by NIPA category. Each of the 51 rows in table 2 represents a NIPA category of investment in equipment, software, or structures. The table contains 28 categories of equipment and software and the 23 categories of structures.

The rows in table 2 are aggregates of the I-O commodities in table 1. These rows correspond to the categories presented in tables 5.6 and 5.8 in the NIPAs, which show private fixed investment in structures and in equipment and software. The table is in purchasers' prices, which are the values of market transactions. Purchasers' prices include the values of wholesale trade and retail trade margins and transportation costs. The relationship between the NIPA categories and the I-O commodities for two of the NIPA categories is summarized in table A.⁷

7. For a complete version of this table, see appendix D in Lawson, et al. (2002, 50–51).

Table A. Input-Output Commodity Composition of Computers and Peripheral Equipment and Communication Equipment in Producers' and Purchasers' Prices, 1997 Benchmark Input-Output Accounts
[Millions of dollars]

NIPA line ¹	Input-output commodity	Producers' prices	Transportation costs	Wholesale and retail margins	Purchasers' prices
4	Computers and peripheral equipment				
	Total.....	63,281	722	17,847	81,850
3341	Computers and peripheral equipment.....	59,374	722	17,514	77,611
5415	Computer systems design and related services.....	3,987	.....	.....	3,987
S004	Scrap, used and secondhand goods.....	-80	.....	333	253
6	Communication equipment				
	Total.....	72,908	413	6,787	80,107
3341	Computers and peripheral equipment.....	59	3	7	70
334A	Audio, video, and communication equipment.....	52,196	277	5,472	57,945
3345	Electronic instruments.....	10,750	128	1,281	12,159
3359	Other electrical equipment and components.....	245	4	26	275
3364	Aerospace products and parts.....	81	.....	.....	81
5133	Telecommunications.....	5,532	.....	.....	5,532
5413	Architectural and engineering services.....	4,092	.....	.....	4,092
S004	Scrap, used and secondhand goods.....	-47	.....	.....	-47

1. The line numbers correspond to the line numbers in NIPA "Table 5.8 Private Fixed Investment in Equipment and Software by Type."
NIPA National Income and product accounts

In table 2, investment in equipment and software in each industry is clearly distinguished from investment in structures. In each section of this table, a row shows the total investment in equipment and software by industry and the total investment in structures. Total investment by NIPA category is shown in the last column of the table. The total investment in new equipment and software in 1997 was \$775.8 billion, and the total investment in structures was \$548.4 billion. Like the rows in table 1, the rows in table 2 show the market for, or distribution of, new investment for a given NIPA category, and the columns show the components of new investment for a given using industry.

A guided tour

This tour of the capital flow table is intended to provide guidance on how to read the table. It should also serve to indicate how the table is often used. It starts by presenting an aggregated summary version of the table and pointing out some of the larger investment flows and then explores some more detailed views of the table.

Table B presents the capital flow table by NIPA categories as rows to 11 aggregate using sectors.⁸ The flows larger than \$10.0 billion have been highlighted. The row totals at the right side of the table indicate that the largest flows of new investment in equipment and

8. The following aggregated industries are presented: Natural resources and mining (NAICS 11,21), construction (23), manufacturing (31–33), trade (42, 44, 45), transportation and utilities (22, 48, 49), information (51), financial activities (52, 53), professional and business services (54–56), education and health services (61, 62), leisure and hospitality (71, 72), and other services (81).

software were from software (\$98.0 billion) and computers and peripheral equipment (\$81.6 billion). The column totals for the equipment and software section of the table indicate that the largest using industries of equipment and software were manufacturing (\$161.9 billion) and financial activities (\$114.5 billion). The largest flow in the table was from autos to the financial activities sector (\$49.5 billion). Table 2 shows that most of this flow from autos (\$42.8 billion) goes to the automotive equipment rental and leasing industry (5321). In table B, the flow of communication equip-

ment to the information sector (\$46.0 billion) is also large. Table 2 shows that most of this flow is split between telecommunications (5133, at \$33.7 billion), cable networks and program distribution (5132, at \$8.6 billion), and radio and television broadcasting (5131, at \$2.2 billion).

In table B under structures, nearly 60 percent (\$316.1 billion) of the total flows from new structures are to financial activities, which includes the real estate and owner-occupied housing industries. The largest flow is from "single-family structures, nonfarm" to

Table B. Aggregate Distribution of New Equipment, Software, and Structures to Using Industries by NIPA Category, 1997

[Millions of dollars at purchasers' prices]

NIPA line	Industry	Natural resources and mining	Construction	Manufacturing	Trade	Transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Total
Equipment and software ¹													
4	Computers and peripheral equipment.....	1,653	1,813	14,610	8,640	5,659	8,075	19,435	13,588	5,430	1,303	1,392	81,598
9	Office and accounting equipment.....	18	93	252	1,191	273	231	2,798	389	166	223	87	5,721
5	Software.....	2,082	3,501	25,206	5,748	8,209	11,560	14,401	20,563	5,057	641	1,020	97,988
6	Communication equipment.....	289	1,859	1,877	4,127	16,442	46,019	2,621	4,247	1,526	702	445	80,154
7a	Nonmedical instruments and related equipment.....	1,582	597	9,660	267	1,851	295	15	1,209	1,043	20	16	16,555
8	Photocopy and related equipment.....	172	350	1,671	1,448	443	975	1,655	2,666	2,255	131	874	12,640
11	Fabricated metal products.....	762	874	3,163	1,170	3,069	118	274	436	132	448	157	10,603
12	Engines and turbines.....	533	104	501	80	2,231	62	33	109	40	50	11	3,754
13	Metalworking machinery.....	274	245	27,354	858	366	17	32	1	.....	1	395	29,543
14	Special industry machinery, n.e.c.....	12	91	29,230	475	646	612	81	961	68	367	308	32,851
15	General industrial, including materials handling, equipment.....	2,714	3,622	25,209	3,251	5,249	500	370	1,022	372	241	745	43,295
16	Electrical transmission, distribution, and industrial apparatus.....	386	724	4,958	576	9,616	1,993	190	372	199	133	212	19,359
7b	Medical instruments and related equipment.....	3	24	65	54	11	4	65	56	15,608	3	.....	15,893
7c	Electromedical equipment.....	.....	.....	40	4	.....	.....	.....	3	10,611	.....	1	10,659
19	Autos.....	664	3,104	2,713	6,637	2,646	2,049	49,548	4,821	703	1,467	797	75,149
20	Aircraft.....	379	11	353	22	13,822	18	189	160	87	7	1	15,049
21	Ships and boats.....	535	3	6	.....	1,716	2	276	9	4	44	35	2,630
22	Railroad equipment.....	548	.....	336	.....	4,879	.....	16	.....	.....	.....	.....	5,779
24	Furniture and fixtures.....	338	794	3,724	5,995	1,479	2,479	4,101	3,543	1,882	4,594	1,110	30,039
26	Agricultural machinery, including tractors ²	15,405	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,405
27	Construction machinery, including tractors ²	3,752	10,437	2,115	757	1,028	568	73	380	29	14	122	19,275
28	Mining and oilfield machinery.....	4,329	.....	.....	.....	71	.....	.....	.....	.....	.....	.....	4,400
29	Service industry machinery.....	162	523	1,540	2,613	602	164	721	942	1,397	5,599	654	14,917
30	Electrical equipment, n.e.c.....	167	99	811	288	323	805	274	307	172	247	174	3,667
31	Other nonresidential equipment.....	2,266	439	2,482	5,434	1,270	675	6,053	3,588	2,244	3,635	998	29,084
18a	Light trucks.....	13,100	23,294	2,537	7,415	8,265	3,815	4,338	2,132	698	540	3,457	69,591
18b	Trucks, other than light, buses and trailers.....	2,494	3,367	1,491	2,959	11,210	488	728	591	144	367	151	23,990
33	Residential (landlord durables).....	.....	.....	.....	.....	.....	.....	6,217	.....	.....	.....	.....	6,217
	Total new equipment and software.....	54,619	55,968	161,904	60,009	101,376	81,524	114,504	62,095	49,867	20,777	13,162	775,805
Structures ³													
5	Industrial buildings.....	3,045	879	25,471	42	7,718	592	3	.....	51	10	.....	37,811
6	Commercial buildings.....	106	541	1,887	38,616	3,844	4,033	18,058	7,413	4,738	6,771	3,199	89,206
9	Religious buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,623	5,623
10	Educational buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	9,308	517	.....	9,825
11	Hospital and institutional buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	15,097	.....	.....	15,097
12	Other nonresidential buildings, excluding farm.....	774	.....	.....	.....	640	3,130	.....	170	143	20,184	455	25,496
14	Railroads.....	.....	.....	.....	.....	4,922	.....	.....	.....	.....	.....	.....	4,922
15	Telecommunications.....	.....	.....	.....	.....	.....	12,302	.....	.....	.....	.....	.....	12,302
16	Electric light and power.....	.....	.....	.....	.....	11,214	.....	.....	.....	.....	.....	.....	11,214
17	Gas.....	.....	.....	.....	.....	6,481	.....	.....	.....	.....	.....	.....	6,481
18	Petroleum pipelines.....	9	.....	.....	.....	960	.....	.....	.....	.....	.....	.....	969
19	Farm nonresidential structures.....	3,815	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,815
21a	Petroleum and natural gas, wells.....	19,925	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19,925
21b	Petroleum and natural gas, exploration.....	1,045	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,045
22	Other mining construction.....	1,417	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,417
23	Other nonresidential nonbuilding structures.....	193	126	.....	.....	2,710	.....	1,287	968	.....	411	.....	5,695
30a	Single-family structures, nonfarm.....	.....	.....	.....	.....	.....	.....	172,282	.....	.....	.....	.....	172,282
30b	Single-family structures, farm.....	.....	.....	.....	.....	.....	.....	1,449	.....	.....	.....	.....	1,449
31	Multifamily structures.....	.....	.....	.....	.....	.....	.....	22,883	.....	.....	.....	.....	22,883
32	Manufactured homes.....	.....	1	.....	.....	.....	.....	13,863	.....	.....	.....	.....	13,864
33	Improvements.....	.....	.....	.....	.....	.....	.....	80,824	.....	.....	.....	.....	80,824
34	Other.....	.....	.....	.....	.....	.....	.....	.....	787	.....	3	.....	790
35	Brokers' commissions on the sale of new residential structures..	.....	.....	.....	.....	.....	.....	5,480	.....	.....	.....	.....	5,480
	Total new structures.....	30,329	1,547	27,358	38,658	38,489	20,057	316,129	8,551	30,124	27,896	9,277	548,415
	Total new equipment, software, and structures.....	84,948	57,515	189,262	98,667	139,865	101,581	430,633	70,646	79,991	48,673	22,439	1,324,220

1. The line numbers correspond to the line numbers in NIPA "Table 5.8. Private Fixed Investment in Equipment and Software by Type."

2. Lines 26 and 27 include tractors, which is a separate line in the NIPAs.

3. The line numbers correspond to the line numbers in NIPA "Table 5.6. Private Fixed Investment in Structures by Type."

NOTE: Line numbers followed by a letter indicate that detail has been added to the NIPA line.

n.e.c. Not elsewhere classified

NIPA National income and product accounts

“real estate and owner-occupied housing” (5310) of \$172.3 billion.⁹ Many of the other types of structures are specialized and flow to only one or two industries. The only types that are widespread are industrial buildings and commercial buildings. The largest of these flows are commercial buildings to trade (\$38.6 billion) and industrial buildings to manufacturing (\$25.5 billion).

Viewing the summary table is a first step to understanding the composition of capital spending in the U.S. economy. However, for many business and policy-makers, a more detailed view of the data is helpful. For example, a manufacturer of machine tools may use the capital flow table and industry forecasts of investment to project the market for machine tools. Table 1 includes two rows for machine tools—metal cutting machine tools (333512) and metal forming machine tools (333513). Table C shows the top 15 users of machine tools ranked on the basis of the sum of these two rows. This table shows that the machine tool industry is quite dependent on the investment spending of the motor vehicle industries. Nearly 30 percent of the total sales of machine tools are accounted for by motor vehicle body, trailer and parts manufacturing (17.5 percent) and motor vehicle manufacturing (12.2 percent).

Table C. Top 15 Major Users of Machine Tools Ranked by 1997 Capital Flows

Input-output industry code	Industry	Machine tool use (millions of dollars)	Share of use by all industries (percent)
336A	Motor vehicle body, trailer, and parts manufacturing	1,465	17.5
332B	Other fabricated metal product manufacturing	1,121	13.4
3361	Motor vehicle manufacturing	1,020	12.2
3364	Aerospace product and parts manufacturing	392	4.7
3321	Forging and stamping	230	2.7
4200	Wholesale trade	222	2.6
8111	Automotive repair and maintenance	208	2.5
3339	Other general purpose machinery manufacturing	205	2.4
331A	Iron and steel mills and manufacturing from purchased steel	186	2.2
3344	Semiconductor and electronic component manufacturing	175	2.1
331B	Nonferrous metal production and processing	169	2.0
3335	Metalworking machinery manufacturing	166	2.0
3331	Agriculture, construction, and mining machinery	156	1.9
3323	Architectural and structural metals manufacturing	155	1.8
3315	Foundries	154	1.8
	Total	8,381	

Table 1 is more useful for this sort of market analysis. It offers greater commodity detail and shows data in producers' prices, a valuation that is more relevant to a producer who is projecting sales. Data in purchasers' prices shown in table 2 also include the transportation costs and trade margins required to bring those goods to market.

9. This flow may seem out of place in a table that presents flows to business investment. However, in the NIPAs the provision of owner-occupied housing services is treated as a business, and the I-O framework is consistent in this respect with the NIPAs. As part of the comprehensive NIPA revision, to be released in December 2003, the services of nonfarm and farm owner-occupied housing provided to the household and institutions sector will be reclassified. The treatment of the transactions associated with owner-occupied housing as business-type transactions will be retained, so this flow will continue to be an important one in the capital flow table.

The capital flow table can also be used to determine the intensity of usage of a given commodity or group of commodities by all industries such as information and communication technology (ICT). Table D shows the top 20 users of ICT ranked according to the shares of total investment in equipment and software that were accounted for by the sum of rows 1 to 4 in table 2 (computers and peripheral equipment, office and accounting equipment, software, and communication equipment). The most striking aspect of this table is that only one of the top 20 industries—computer and peripherals equipment (3341)—is in the manufacturing sector. Of the top 10 industries, 5 are in the information sector (51), and 4 are in the financial activities sector (52, 53).

Table D. Top 20 Information-and-Communications-Technology-Intensive Industries Ranked by 1997 ICT Share of Total Equipment and Software Investment
[Millions of dollars unless otherwise specified]

Input-output industry code	Industry	ICT use (1)	Total equipment and software (2)	ICT share (percent) (3) = (1)/(2)
5132	Cable networks and program distribution	10,381	11,434	91
5415	Computer systems design and related services	7,324	8,184	89
5112	Software publishers	2,593	2,944	88
5250	Funds, trusts, and other financial vehicles	314	358	88
5142	Data processing services	1,864	2,151	87
5330	Lessors of nonfinancial intangible assets	178	211	84
5133	Telecommunications	44,979	54,527	82
52A0	Monetary authorities, credit intermediation, and related activities	19,089	23,832	80
5131	Radio and television broadcasting	2,918	3,803	77
5230	Securities, commodity contracts, investments	5,006	6,558	76
5413	Architectural and engineering services	9,352	12,615	74
5615	Travel arrangement and reservation services	407	551	74
5412	Accounting and bookkeeping services	2,493	3,403	73
4860	Pipeline transportation	2,253	3,172	71
5500	Management of companies and enterprises	3,814	5,567	69
5416	Management and technical consulting services	2,116	3,136	67
5141	Information services	778	1,156	67
3341	Computer and peripheral equipment manufacturing	2,535	3,914	65
5417	Scientific research and development services	2,099	3,291	64
5613	Employment services	798	1,269	63
	Total	265,461	775,805	34

ICT Information and communications technology

Uses of the Capital Flow Table

The capital flow table is used by academic, business, and government economists in a variety of analytical and statistical contexts. For any analysis that requires knowledge of the distribution of capital by type or the investment composition of an industry, the capital flow table provides the only framework for such detailed information. The capital flow table is also used indirectly in many types of analysis, as a basis for the construction of other data sets, and to form variables that are used in econometric studies of investment and labor productivity.

Analytical uses

Market analysis. Business economists use the information in the capital flow table to analyze which industries use specific capital goods, such as machine

tools, tractors, and trucks. This analysis is most useful in combination with information from the I-O use table, which also identifies intermediate flows to other industries, consumers, government, and exports.

Impact analysis. The capital flow table can be used to estimate the ripple effects of a change in the use of capital by one industry on the demand for commodities produced by all industries. The capital flow table, converted to coefficients, translates the specified change in the level of capital use by an *industry* to changes in the purchases or the leases of capital by *commodity*. These changes can then be multiplied by the I-O total requirements matrix in order to calculate the changes in domestic output and imports. For example, an analysis of the effect of a change in investment tax policy on investment by industry would use an econometric equation that incorporates the effects of the tax policy change into the capital cost measure. The capital flow table and the total requirements matrix can then be used to translate the changes in capital use by industry to changes in final demand.

Forecasting. An econometric I-O model could incorporate the capital flow table and I-O use table in order to forecast future demands for capital goods by commodity related to investment, exports, consumption, and government spending. In this context, the capital flow table is converted first to a matrix of coefficients and this coefficient matrix translates the investment spending by industry to the final demand by commodity. Final demand is then used to calculate total requirements, which are satisfied by domestic production or imports.

Productivity analysis. Many studies in the late 1990s sought to determine the relationship between the faster productivity growth that began in the mid-1990s to the significant increase in spending on infor-

mation and communication technology (ICT). The capital flow table identifies the share of ICT in total equipment spending.¹⁰ Bureau of Labor Statistics (BLS) capital service flows data are disaggregated into IT and non-IT components using information from the capital flow table. A series of capital flow tables can be used to study multifactor productivity in an integrated I-O framework, where capital is treated as an intermediate good in the long run.¹¹

Energy and environmental analysis. Most energy uses in the economy can be associated with certain types of equipment and structures. Detailed estimates of capital stock in place by type of asset combined with measures of industry production levels are used in energy I-O analysis to estimate requirements for electricity, refined petroleum products, and natural gas. The I-O use table provides estimates of energy use by type of product, and more detailed energy I-O databases have been constructed. Models that track emissions for environmental analysis often use forecasts of fossil fuel use by type as an important determinant.

Research and development and embodiment. Like the I-O use table, the capital flow table can be used to construct matrices of technology flows that trace the productivity-enhancing effects of research and development expenditures (R&D) from producing industries to using industries. For example, R&D that leads to more efficient machine tools or computers should have productivity-enhancing spillovers to industries that use these goods.¹² This concept is related to the idea of capital-embodied or investment-specific technical change, and the derivation of quality-adjusted prices for capital goods.¹³

Statistical uses

Fixed assets. The capital flow table is an important source for the derivation of investment by asset by industry in the BEA fixed assets estimates.¹⁴ The fixed assets investment data are available for about 60 private

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10. See Oliner and Sichel (2000), Jorgenson and Stiroh (2000), McGuckin and Stiroh (2002), Wilson (2002), and Triplett and Bosworth (2003).

11. This type of study is described by Denison (1989) and by Cas and Rymes (1991).

12. Scherer (2003) describes using an I-O table and a capital flow table to develop "carrier" matrices, which carry R&D from originating industries to using industries. His analysis indicates that 44.8 percent of all patents are associated with capital goods products sold to other industries.

13. Jorgenson (1966) is a classic presentation of the embodiment question. Hulten (1992) deals with embodied technical change in different vintages of capital and relates his analysis to the quality adjustments of capital goods prices. Greenwood, Hercowitz, and Krusell (1997) suggest that quality change in capital goods explains a major part of postwar U.S. growth. Wilson (2003) makes use of capital flow data to investigate the rate of embodied technical change.

14. See U.S. Bureau of Economic Analysis (2003) for the methodology used in deriving the investment by industry series. The derivation of the investment controls by industry, investment controls by asset, and the use of the capital flow table to obtain the distribution by type of asset and industry is covered on pages M-13 to M-25. For the most recent data release, see Herman (2001, 27-38).

industries on an SIC basis for 1947 to 2001. In contrast to the capital flow table, the investment data for equipment, software, and structures in the fixed assets estimates are on an ownership basis. This distinction is most significant for equipment purchased for lease to others under operating leases. The most important asset types affected by this treatment of operating leases are autos, trucks and truck trailers, computers, communication equipment, construction equipment, and aircraft. The fixed assets estimates also include data on capital stocks by industry and by asset, which are the basis for the NIPA estimates of consumption of fixed capital (economic depreciation).

Investment deflators. Aggregate deflators for equipment, software, and structures by industry are used in econometric studies of investment in determining the user cost of capital.¹⁵ A column of the capital flow table can be used to derive the weights for the calculation of a fixed-weighted, or Fisher, price index of investment for each industry when the prices to be aggregated are the asset-specific prices of each row of the table.

Capital stocks and capital services. Asset-specific service lives can be used with capital flow information on the composition of investment by industry to derive capital stocks by industry by asset type. This use is especially important for estimating stocks of information technology equipment, which have short obsolescence-driven service lives. Different service lives by asset type also imply different average vintages of capital by industry because the compositions of asset types differ significantly.¹⁶ As mentioned earlier, BLS derives data on IT and non-IT capital services from BEA data.

Definitions and Conventions

This section summarizes the treatment of several conceptual topics arising in the compilation of the capital flow table. First, the distinction between the valuation in producers' and the valuation in purchasers' prices is explained. The relationship between the row sum of the capital flow table and the private fixed investment column in the I-O use table is particularly important and is addressed next. Finally, issues relating to the industry classification are discussed, especially differences resulting from the adoption of NAICS and the classification on a user basis.

Valuation in producers' and purchasers' prices. The capital flow table is presented in producers' prices (table 1) and in purchasers' prices (table 2). Producers'

prices exclude distribution costs (wholesale and retail trade margins and transportation costs), but they include excise taxes collected by producers.

Like the I-O use table, table 1 shows commodities flowing directly to users, not through intermediary industries, such as transportation or trade. Transportation costs and trade margins are shown as purchases by the using industry and are included in their respective rows. In contrast, the values of the flows in table 2 include transportation costs and trade margins.

The capital flow table and the I-O use table

The capital flow table can be viewed as an expansion or an elaboration of the private fixed investment in the I-O use table. This relationship is illustrated in chart 1. The use table is aggregated to a few major commodities and industries in the upper panel of this chart, and the capital flow table is shown in the lower panel. The rows of the use table show commodities, and the columns show either the purchasing industries or final use categories. Total commodity output (the row total) consists of the sum of purchases of commodities by all industries and final demand. Total industry output (the column total) consists of the sum of purchases of commodities and value added for a given industry. Equipment, software, and structures used for capital investment are combined in this table and shown as sales to the final demand category of private fixed investment, but they are not distinguished by using industry.

The following criteria are used to determine if commodities are private fixed investment in equipment: The commodity must have a useful life of more than a year; it must not be an integral part of a structure or be included in the value of that structure; and it would be charged to a capital account under standard accounting procedures. New structures are defined as private original erections, additions, and alterations that increase the stock of facilities and that are valued on a "put-in-place basis." They include new dwellings and factories; nonbuilding facilities, such as railroads and pipelines; and telephone and telegraph facilities.

The definition of private fixed investment in the capital flow table differs slightly from that of the use table. Unlike the use table, the capital flow table presents only investment in new equipment, software, and structures; it does not show purchases of used assets. The structures portion of the table includes real estate commissions on the sales of new residential structures, not on the sales of used residential and nonresidential structures. In contrast, the private fixed investment column of final demand in the use table includes scrap, net purchases of used goods, and real estate brokers' commissions on the sales of new and

15. See Jorgenson (1996) for the derivation of the most common neoclassical measure of the user cost of capital.

16. Wilson (2003) applies the 1992 capital flow table to track vintages of investment.



Chart 1. The Input-Output Use Table and the Capital Flow Table

Use Table. Commodities Used by Industries and Final Uses

		INDUSTRIES ¹							FINAL USE (GDP)							
		Natural resources and mining	Construction	Manufacturing	Trade, transportation, and utilities	Information	Services	Total intermediate use	Personal consumption expenditures	Private fixed investment	Change in business inventories	Exports of goods and services	Imports of goods and services	Government consumption expenditures and gross investment	GDP	TOTAL COMMODITY OUTPUT
COMMODITIES ¹	Natural resources and mining															
	Construction															
	Manufactured products															
	Trade, transportation, and utilities															
	Information															
	Services															
	Noncomparable imports															
Total intermediate inputs																
VALUE ADDED	Compensation of employees															
	Indirect business tax and nontax liability															
	Other value added ²															
	Total															
TOTAL INDUSTRY OUTPUT																

Capital Flow Table. Distribution of New Equipment and Structures to Using Industries

		INDUSTRIES ¹						
		Natural resources and mining	Construction	Manufacturing	Trade, transportation, and utilities	Information	Services	Private fixed investment
COMMODITIES ¹	Natural resources and mining							
	Construction							
	Manufactured products							
	Trade, transportation, and utilities							
	Information							
	Services							
	Noncomparable imports							
TOTAL INDUSTRY USE OF NEW EQUIPMENT AND STRUCTURES								

 New private fixed investment by type of new commodity
 Distribution of new private fixed investment across industries

1. The input-output (I-O) accounts use two classification systems, one for industries and another for commodities, but both generally use the same I-O codes and titles; for more information see "Appendix A. Industries in the 1997 Benchmark Input-Output Accounts," in "Benchmark Input-Output Accounts of the United States, 1997," SURVEY OF CURRENT BUSINESS 82 (December 2002).
 2. "Other value added" consists of the following components of gross domestic income: Consumption of fixed capital, net interest, proprietors' income, corporate profits, rental income of persons, business transfer payments, and "subsidies less current surplus of government enterprises."

used nonresidential structures and used residential structures.¹⁷

Table E shows the relationship between private fixed investment in the use table and in the capital flow table. For example, in 1997, the total for autos in the column for the capital flow table is \$75.1 billion, representing the purchases of new autos. In the private fixed investment column of the use table, sales of used autos from the business sector amounted to \$44.5 billion, mostly sales to personal consumption from automotive equipment rental and leasing (5321). This amount enters the fixed investment column of the use table as a negative number (-\$30.6 billion), so it reduces the total value of net purchases of autos in that column to a value of \$44.5 billion. Because net sales of used autos are not included in the capital flow table, the total value of autos in the capital flow table is \$30.6 billion larger than that in the use table.

17. Private fixed investment is a component of gross domestic product (GDP), which is the market value of new goods and services produced by labor and property in the United States. GDP excludes transactions in used goods because they are not part of current production. These assets are purchased from private fixed investment by persons, government, and foreigners. The sale is recorded as a negative entry in the private fixed investment column and as a corresponding positive entry in the column for personal consumption, government, or exports, so the net contribution to GDP is zero. However, scrap contributed -\$11.5 billion to GDP in 1997 and had total commodity output of \$5.5 billion. The total output of scrap represents scrap generated in the intermediate sector, and the source industries of this scrap are indicated in the make table.

Classification

The benchmark I-O accounts for 1997 were published in two forms. In the "standard" make and use tables, all the primary and secondary products that are produced by an industry are assigned to that industry. In the "supplementary" make and use tables, some secondary products are redefined to the industries in which these products are primary; in these tables, own-account construction is redefined to the construction industry, and own-account software is redefined to the software publishing sector.¹⁸ The capital flow table is compiled on the same industry basis as the "standard" table, so secondary products are not redefined.

NAICS. For the first time, the capital flow table is based on the 1997 North American Industry Classification System (NAICS).¹⁹ All the earlier tables were based on various versions of the Standard Industrial Classification (SIC). As a result, the comparability between the 1997 capital flow table and earlier tables is limited.

The capital flow table published in table 1 has 180 rows, representing 138 commodity goods and services

18. Own-account new construction is new construction work performed by, and for, establishments classified according to NAICS in nonconstruction industries. When the source data do not include this construction, an estimate is made and added to the industry control.

19. See Lawson, et al. (2002) for a more complete description of NAICS, the treatment of auxiliaries, and the implications for the I-O accounts.

Table E. Reconciliation of Private Fixed Investment by NIPA Category in the Input-Output Use Table and in the Capital Flow Table, 1997

(Millions of dollars at purchasers' prices)

NIPA line ¹	Industry	Input-output use table	Reconciliation items	Capital flow table	NIPA line ¹	Industry	Input-output use table	Reconciliation items	Capital flow table
	Private purchases of structures	584,325.9	-35,910.8	548,415.1		Private purchases of equipment and software	735,582.7	40,222.0	775,804.7
5	Industrial buildings	37,811.0	.....	37,811.0	4	Computers and peripheral equipment	81,850.3	-252.7	81,597.6
6	Commercial buildings	89,206.5	.....	89,206.5	5	Software	97,988.3	.....	97,988.3
9	Religious buildings	5,623.0	.....	5,623.0	6	Communication equipment	80,107.0	47.1	80,154.1
10	Educational buildings	9,825.0	.....	9,825.0	7a	Nonmedical instruments and related equipment	16,609.9	-54.6	16,555.3
11	Hospital and institutional buildings	15,097.0	.....	15,097.0	7b	Medical instruments and related equipment	15,874.5	18.6	15,893.1
12	Other nonresidential buildings, excluding farm buildings	25,496.0	.....	25,496.0	7c	Electromedical equipment	10,659.1	.....	10,659.1
14	Railroads	4,922.0	.....	4,922.0	8	Photocopy and related equipment	12,704.6	-63.9	12,640.7
15	Telecommunications	12,302.0	.....	12,302.0	9	Office and accounting equipment	5,788.7	-67.6	5,721.1
16	Electric light and power	11,214.0	.....	11,214.0	11	Fabricated metal products	10,602.2	.....	10,602.2
17	Gas	6,481.0	.....	6,481.0	12	Engines and turbines	3,753.6	.....	3,753.6
18	Petroleum pipelines	969.0	.....	969.0	13	Metalworking machinery	29,762.4	-218.7	29,543.7
19	Farm nonresidential structures	3,815.0	.....	3,815.0	14	Special industry machinery, n.e.c.	32,949.9	-98.4	32,851.5
21a	Petroleum and natural gas, wells	19,924.3	.....	19,924.3	15	General industrial, including materials handling, equipment	44,388.6	-1,090.9	43,297.7
21b	Petroleum and natural gas, exploration	1,045.4	.....	1,045.4	16	Electrical transmission, distribution, and industrial apparatus	19,358.0	.....	19,358.0
22	Other mining construction	1,417.0	.....	1,417.0	18a	Light trucks	61,888.6	7,702.0	69,590.6
23	Other nonresidential nonbuilding structures	5,695.0	.....	5,695.0	18b	Trucks, other than light, buses and trailers	24,041.6	-51.3	23,990.3
24	Brokers' commissions on sale of nonresidential structures	2,017.0	-2,017.0	.....	19	Autos	44,502.5	30,646.4	75,148.9
25	Net purchases of used structures	-218.0	218.0	.....	20	Aircraft	15,412.3	-363.7	15,048.6
30a	Single-family structures, nonfarm	172,282.0	.....	172,282.0	21	Ships and boats	2,710.8	-81.7	2,629.1
30b	Single-family structures, farm	1,449.0	.....	1,449.0	22	Railroad equipment	5,820.8	-41.5	5,779.3
31	Multifamily structures	22,883.0	.....	22,883.0	24	Furniture and fixtures	30,152.6	-114.0	30,038.6
32	Manufactured homes	13,863.9	.....	13,863.9	26	Agricultural machinery, including tractors ²	16,302.6	-897.0	15,405.6
33	Improvements	80,824.0	.....	80,824.0	27	Construction machinery, including tractors ²	19,637.2	-382.4	19,254.8
34	Other	790.0	.....	790.0	28	Mining and oilfield machinery	3,629.9	769.5	4,399.4
35	Brokers' commissions on sale of residential structures	41,522.0	-36,042.0	5,480.0	29	Service industry machinery	14,956.8	-39.4	14,917.4
36	Net purchases of used structures, residential	-1,930.2	1,930.2	.....	30	Electrical equipment, n.e.c.	3,651.7	14.2	3,665.9
					31	Other nonresidential equipment	29,036.6	48.0	29,084.6
					32	Less: sale of equipment scrap, excluding autos	-4,774.0	4,774.0	.....
					33a	Furniture, residential	342.5	.....	342.5
					33b	Household appliances, residential	4,124.1	.....	4,124.1
					33c	Floor coverings, residential	1,550.3	.....	1,550.3
					33d	Communication equipment, residential	198.7	.....	198.7

1. The line numbers correspond to the line numbers in "Table 5.6. Private Fixed Investment in Structures by Type" and in "Table 5.8. Private Fixed Investment in Equipment and Software by Type" in the NIPAs. Line numbers followed by a letter indicate that detail has been added to the NIPA line.

2. Includes tractors, which is a separate line in the NIPAs.
n.e.c. Not elsewhere classified
NIPAs National income and product accounts

that compose equipment investment, 36 types of structures, and 6 transportation and trade categories.²⁰ It is organized by four-digit NAICS columns, and six-digit NAICS rows. The columns, or using industries, in the table have much more detail in the services industries than in previous tables. Underlying the published commodity-level detail are data at a higher level of detail that are classified by BEA with detailed commodity codes. For example, there are 735 detailed commodities that flow to equipment and software investment.

NAICS also recognizes the information sector, which is a combination of industries that were previously classified in manufacturing, services, and communication in the SIC. This new sector contains many significant users of computers and other high-tech capital goods.

A NAICS innovation is the separate classification of auxiliary establishments, recognizing a new industry, "management of companies and enterprises" (NAICS 5511). Most of the establishments in this industry are central administrative offices. Most of the other auxiliaries are in "professional, scientific, and technical services" (NAICS 54) and in "administrative and support and waste management and remediation services" (NAICS 56).

User basis. The capital flow table is prepared with flows allocated to using industries. The difference between this method of allocation and allocation to owning industries occurs when new capital is leased by one industry from another. The difference between the user basis and the owner basis is especially significant for airplanes, automobiles, computers, railroad cars, and structures.²¹

For many applications of the capital flow table, clas-

20. The structures categories are rows 5 to 40. These are classified by type of activity rather than by NAICS codes, which are organized by types of contractors or construction firms. The transportation costs and trade margins are in rows 168 to 173 and include margins for wholesale trade and retail trade, and costs of air transportation, rail transportation, water transportation and truck transportation.

21. The fixed assets estimates show investment and capital stocks on an owner basis. These data are derived by first converting the investment flows to a "proxy" capital flow table on an owner basis.

Availability of Capital Flow Data

The capital flow data presented in this article are also available on BEA's Web site at <www.bea.gov>. Under "Industry," click on "Capital Flow," and then click on the XLS file for "Capital flow table for 1997" to open an Excel spreadsheet that contains a table of contents, a sheet of documentation, commodity and industry sector lists, and the capital flow table by commodity and by NIPA category. Aggregated 22-industry versions of the table are also available for both I-O commodities and NIPA categories.

sification on the user basis is more appropriate. For example, in market analysis, the investment requirements of the ultimate users of each capital good determine its demand. For forecasting purposes, the distribution of use may be more stable than ownership, which is often based on institutional or financial considerations rather than on technical considerations. Finally, the techniques used to allocate equipment to industries are more easily justified with a table on a user basis; for example, the use of capital in each industry is probably more related to patterns of occupational employment than a table on an owner basis.

In the capital flow table, both purchased and leased capital commodities are included as investment by the using industry. However, equipment that is rented is assigned to the owning (lessor) industry, and if the lessee is a government agency or a person, the capital flow table shows the commodity in the lessor industry. For example, the auto rental industry is shown as the largest user of autos, which serve as the primary capital for this industry.

Care must be taken when the capital flow table is used with the I-O table for impact analysis or productivity studies. Lease payments are shown in the I-O table as intermediate purchases of automotive equipment rental and leasing (5321) and machinery and equipment rental and leasing (5324) by the using industries. If the capital flow table is used to estimate capital services of using industries, the leased capital services may be double-counted.

Methodology

The capital flow table is prepared in four major steps. First, detailed information on total spending on equipment, software, and structures by commodity is compiled from the 1997 benchmark I-O use table. Second, industry control totals are derived—one set of control totals for equipment and software and one set for structures. Third, for each commodity, expenditures are then distributed to using industries, largely on the basis of distributions of industry employment by occupation. Fourth, the table is balanced to the control totals and evaluated; the control totals or the industry distributions may then be revised, and the table rebalanced.

Investment by commodity

Commodity control totals. The total amount of a commodity that is available as investment to all industries—the commodity control total—is determined by the amount of the commodity sold to private fixed investment. The calculation of the commodity control total in the capital flow table starts with the commodity's allocation to private fixed investment in the benchmark I-O use table, and adjustments are made

for scrap, sales of used goods and brokers' commissions.²²

Investment by industry

Sources for industry control totals. The industry (column) control totals for the capital flow table are calculated primarily from data on capital expenditures from various Census Bureau surveys, including the Annual Survey of Manufacturers (ASM), the Annual Capital Expenditures Survey (ACES), the Business Expenses Survey, and the Economic Census. The source data used to derive each industry control total vary by industry. Table F summarizes the data sources. All the data are on a user basis, showing dollar values of capital used by firms through direct purchase or through capital leases.

22. Chart 1 shows this relationship, and table E summarizes the differences between the row sums in the capital flow table and private fixed investment.

Table F. Principal Data Sources for Control Totals for Equipment and Software Industry in the 1997 Capital Flow Table

NAICS code	Industry	Source of data
11	Agriculture, forestry, fishing, and hunting....	ERS farm sector gross capital expenditures 1997 ACES
21	Mining	1997 EC, General Summary, table 1-1 1997 ACES
22	Utilities	1997 EC, General Summary, table 10 1997 ACES
23	Construction.....	1997 EC, Subject Series, table 1 1997 ACES
31-33	Manufacturing	1997 ASM, table 5
42	Wholesale trade	1997 BES, unpublished data, table 13 1997 ACES
44-45	Retail trade.....	1997 BES, unpublished data, table 13 1997 ACES
48-49	Transportation and warehousing.....	1997 EC, Subject Series, table 10 1997 ACES
51	Information.....	1997 EC, Subject Series, table 4 1997 ACES
52	Finance and insurance.....	1999 ACES, table 4c
53	Real Estate, rental, and leasing.....	1997 EC, Subject Series, tables 3a and 3c 1997 BES, unpublished data, table 13 1997 ACES
54	Professional, scientific, and technical services.....	1997 BES, unpublished data, table 13 1997 ACES
55	Management of companies and enterprises	1999 ACES, table 4c
56	Administrative and waste services.....	1997 BES, unpublished data, table 13 1997 ACES
61	Educational services.....	1997 BES, unpublished data, table 13 1997 ACES
62	Health care and social assistance	1997 BES, unpublished data, table 13 1997 ACES
71	Arts, entertainment, and recreation	1997 BES, unpublished data, table 13 1997 ACES
72	Accommodation and food services.....	1997 BES, unpublished data, table 13 1997 ACES
81	Other services, except public administration	1997 BES, unpublished data, table 13

ACES Annual Capital Expenditures Survey, Census Bureau
 ASM Annual Survey of Manufacturers, Census Bureau
 BES Business Expenditures Survey, Census Bureau
 EC Economic Census, Census Bureau
 ERS Economic Research Service, U.S. Department of Agriculture
 NAICS North American Industry Classification System
 Note: A concordance was used to bridge the SIC-based ACES data and the NAICS-based census data.

Adjustments to the industry controls totals. The industry control totals are adjusted to account for differences in classification, coverage, and methodology. For example, Economic Census and ASM data are on a three- or four-digit NAICS. The Business Expenses Survey and ACES data are on a two- or three-digit SIC. In addition, the data sources do not always distinguish between new and used capital expenditures. Although the Business Expenses Survey is more detailed than the ACES, the capital expenditures data from that survey are not classified by new and used. Therefore, ACES ratios of new and used expenditures are used in certain cases to disaggregate Business Expenses Survey total expenditures data.

After deriving industry control totals on a NAICS basis, the data are adjusted for the following:

- For establishments not covered by the economic censuses,²³
- For misreported tax returns,²⁴
- For own-account new construction,
- For capitalized software, and²⁵
- For conformance to NIPA conventions for expensed motor vehicles, for petroleum and natural gas well drilling and exploration, for other mining exploration and for nonfarm business use of personal motor vehicles.²⁶

Allocation to using industry

After the commodity and industry controls have been derived, new investment purchases by commodity are distributed to using industry. The largest part of this task is the distribution of equipment investment spending to using industry, because of the large number of detailed commodities for equipment and because many types of equipment, such as computers and automobiles, are used by almost every industry.

Allocation of equipment. Equipment commodities are distributed to using industries in purchasers' prices

23. This adjustment is mainly for estimates for nonpayroll firms, but it includes an adjustment for capital expenditures data not collected in the economic censuses.

24. The Census Bureau receives data on operating establishments from census forms mailed to establishments and from administrative sources. The administrative sources are tax return data from the Internal Revenue Service and unemployment insurance data. Misreporting adjustments are made to administrative data to correct underreporting of income by establishments. For further information, see Parker (1984).

25. The total of the adjustments for capitalized software is the private fixed investment software value from the benchmark use table. This value is distributed to using industries in proportion to their employment in software related occupations, such as computer programmers and systems analysts.

26. Expenditures for petroleum and natural gas well drilling and exploration and other mining exploration are not reported as investment to the Census Bureau. These expenditures are recorded as investment in the capital flow table. Business use of personal motor vehicles represents personally owned motor vehicles used for business purposes. In the NIPAs, purchases of these vehicles are allocated between consumer purchases and business purchases according to mileage.

by 735 detailed commodity codes. Table G shows the detailed composition of commodities in the computers and peripherals sectors. Two methods are used to allocate capital equipment to using industries—direct allocation and distributive allocation.

With the direct allocation method, detailed commodities that are sector-specific are directly allocated to the appropriate industry; for example, the detailed commodity “nuclear reactor steam supply systems, heat exchanges, and condensers” is allocated to electric power generation, transmission and distribution (2211). If a detailed commodity description is used by a small number of industries, the commodity is allocated according to some other criteria, such as industry output. For example, the commodity “ferrous metal pressure tanks and vessels for refineries, chemical plants, and paper mills” is allocated to petroleum refining, chemical manufacturing, and paper manufacturing by this method.

If a detailed commodity is judged to be used by many industries, the Bureau of Labor Statistics (BLS) occupation-by-industry matrix is used as a guide for allocation.²⁷ Certain occupations or sets of occupations are assumed to be good indicators of which industries use a specific type of capital good; for example, machine tools are allocated to industries by the employ-

ment of machine tool operators. This method works best when the occupations are highly relevant to the use of a particular capital good and when the ratios of investment in that type of good to occupational employment in those categories is roughly constant. Of the total value of equipment expenditures, 85 percent was distributed by occupational employment.

Allocation of structures. The distribution of new structures to using industries is similar to the distribution of new equipment and software. Initially, structures that are industry or sector specific are allocated to the industry or industries to which they are most appropriate; for example, “new religious structures” are allocated to the industry “social and religious organizations.” Of total new structures, 63 percent are directly allocated to using industries, and 37 percent are distributed in proportion to 1998 ACES data on capital expenditures by major industry group. In some cases, occupational data are also used as a guide to the distributions.

Final adjustment

Industry review. After the detailed commodities are distributed to using industries, industry purchase patterns are reviewed, and ACES data on industry purchases are used as a further control total on the distribution of equipment. In the ACES data, industry purchases of capital goods are reported by general category, such as office equipment. These values are used as guidelines to check the quality of the occupational distribution within an industry.

Balancing the table. The balancing of the table is done in purchasers’ prices at the level of the published table. The equipment data at the detailed commodity level are first aggregated to the 138 four-digit NAICS categories. Structures and equipment and software are balanced separately.

A balancing program scales the table iteratively by row and by column until the columns and rows sum to their respective control totals. After the balancing is complete, the table is reviewed once again. Transportation and trade margins are then estimated by commodity and moved to the respective rows of the producers’ prices table (table 1).

Directions for Future Work

A short-term goal in BEA’s current strategic plan is the integration of the annual I-O accounts with the GDP-by-industry accounts as a time series, beginning with 1998. These accounts will be released in the Spring of 2004. A natural extension of this integration would be the compilation of a time series of annual capital flow tables for 1998 to 2001. For most users of the capital flow table, the publication of annual data would be highly desirable. Business investment is one of the

27. BEA used the occupation-by-industry matrices for 1998 and 2000, converted to a NAICS classification.

Table G. Computers and Peripheral Equipment Commodities by Product Detail

Input-output commodity	Detailed products
Electronic computers (334111)	PC servers (excluding Unix servers) Large and medium scale host computers (mainframes, super computers and Unix servers) Personal computers Workstations, microprocessor-based, single-user systems Laptops Notebooks, subnotebooks PDAs (personal digital assistants) Other portables (palmtops) Other single user computers Other computers (array, analog, hybrid, or special-use computers) Electronic computers, n.s.k.
Computer storage devices (334112)	Magnetic disk drives (rigid and flexible) and other direct access storage equipment Optical disk drives, including CD-ROM, WORM, and rewritable Multiuser system storage devices (disk and optical subsystems, disk arrays, encased Serial access storage equipment (e.g. tape drives) Computer storage devices, n.s.k.
Computer terminals (334113)	Teleprinters Display terminals Computer terminals, n.s.k.
Other computer peripheral equipment (334119)	Keying equipment, mice, digitizers, light pen tablets, manual input devices, all other input-output devices Optical scanning devices (bar code, flat bed, etc.), plotters, and other entry devices Impact computer printers, including line and serial type Printers, nonimpact (including laser, inkjet, thermal, and ion deposition) Computer monitors Accessories for computer peripherals (device supports, ergonomic aids, etc.) Other peripheral equipment manufacturing, n.s.k.

n.s.k. Not specified by kind

most volatile components of GDP, and the composition of investment (computers, communication equipment, and autos) can vary significantly over the course of the business cycle. For example, the share of telecommunication equipment in total investment was much smaller in 2001, a recession year, than in 1997, a year of rapid growth.

If resources permit, research will be initiated next year to determine the feasibility of compiling annual capital flow tables.²⁸ This research will explore the better use of existing source data, investigate alternative

data sources, and suggest improvements in the collection of capital spending data by the Census Bureau. If the project proves feasible, the production of annual capital flow tables will be integrated with the annual I-O accounts, with data being made available with only a 2-year lag. This should result in more timely information on changing patterns of investment by industry.

28. Initial research to develop a prototype series of capital flow tables is planned to begin in fiscal year 2005.

References

- Automotive Fleet: 2001 Fact Book and Buyer's Guide*, Torrance, CA: Bobit Publishing.
- Baily, Martin N. 2002. "The New Economy: Post Mortem or Second Wind?" *Journal of Economic Perspectives* 16 (Spring): 3–22.
- Cas, Alexandra, and Thomas K. Rhymes. 1991. *On Concepts and Measures of Multifactor Productivity in Canada, 1961–1980*. Cambridge: Cambridge University Press.
- Denison, Edward F. 1989. *Estimates of Productivity Change by Industry: An Evaluation and an Alternative*. Washington, DC: The Brookings Institution.
- Evanson, Robert E., and Daniel Johnson. 1997. "Introduction: Invention Input-Output Analysis." *Economic Systems Research* 9 (June): 149–160.
- Gordon, Robert J. 2002. "Technology and Economic Performance in the U.S. Economy." *NBER Working Paper 8771*, Washington, DC: National Bureau of Economic Research; <papers.nber.org/papers/W8771>.
- Greenwood, Jeremy, Zvi Hercowitz, and Per Krusell. 1997. "Long-Run Implications of Investment-Specific Technical Change." *American Economic Review* 87 (June): 342–362.
- Griliches, Zvi. 1969. "Capital-Skill Complementarity." *Review of Economics and Statistics* 51 (November): 465–468.
- Griliches, Zvi. 1992. "The Search for R&D Spillovers." *Scandinavian Journal of Economics* 94 (Supplement): 29–47.
- Herman, Shelby W. 2001. "Fixed Assets and Consumer Durable Goods for 1925–2000." *SURVEY OF CURRENT BUSINESS* 81 (September): 27–38.
- Hulten, Charles R. 1992. "Growth Accounting When Technical Change is Embodied in Capital." *American Economic Review* 82 (September): 964–980.
- Jorgenson, Dale W. 1966. "The Embodiment Hypothesis." *Journal of Political Economy* 74 (February): 1–17.
- Jorgenson, Dale W., and Kevin J. Stiroh. 2000. "Raising the Speed Limit: U.S. Economic Growth in the Information Age." *Brookings Papers on Economic Activity* 1, 125–211.
- Jorgenson, Dale W., and Mun S. Ho, and Kevin J. Stiroh. 2003. "Growth of U.S. Industries and Investments in Information Technology and Higher Education." *Economic Systems Research* 15 (November): 279–326.
- Kruger, A. B. 1993. "How Computers Have Changed the Wage Structure: Evidence From Micro Data." *Quarterly Journal of Economics* 107 (February): 35–78.
- Lawson, Ann M., Kurt S. Bersani, Mahnaz Fahim-Nader, and Jiemin Guo. 2002. "Benchmark Input-Output Accounts of the United States, 1997." *SURVEY OF CURRENT BUSINESS* 82 (December): 19–109.
- Leontief, Wassily W. 1951. *The Structure of the American Economy: 1919–1939*. 2nd ed. Reprint, White Plains, NY: International Arts and Sciences Press.
- McGuckin, Robert H., and Kevin J. Stiroh. 2002. "Computers and Productivity: Are Aggregation Effects Important?" *Economic Inquiry* 40 (January): 42–59.
- National Bureau of Economic Research. 1955. *Input-Output Analysis: An Appraisal*. Studies in Income and Wealth 18 Princeton: Princeton University Press.
- Oliner, Stephen D., and Daniel E. Sichel. 2000. "The Resurgence of Productivity Growth in the Late 1990s: Is Information Technology the Story?" *Journal of Economic Perspectives* 14 (Autumn): 3–22.
- Parker, Robert P. 1984. "Improved Adjustments for Misreporting of Tax Return Information Used to Estimate the National Income and Product Accounts, 1977." *SURVEY OF CURRENT BUSINESS* 64 (June): 17–25.
- Scherer, Frederic M. 1982. "Inter-Industry Technology Flows and Productivity Growth." *Review of Economics and Statistics* 64 (November): 627–634.
- Scherer, Frederic M. 2003. "Technology Flows Matrix Estimation Revisited." *Economic Systems Research* 15 (November): 327–358.
- Solow, Robert. 1998. "Rereading *The Structure of the American Economy*." *Economic Systems Research* 10 (December): 299–306.
- Triplett, Jack E., and Barry P. Bosworth. 2003. "'Baumol's Disease' Has Been Cured: IT and Multifactor Productivity in U.S. Services Industries." In *The*

New Economy: How New? How Resilient? Edited by Dennis W. Jansen. Chicago: University of Chicago Press, forthcoming.

U.S. Bureau of Economic Analysis. 1999. *Fixed Reproducible Tangible Wealth in the United States, 1925–1994*. Washington, DC: U.S. Government Printing Office.

U.S. Bureau of Economic Analysis (BEA). 2003. *Fixed Assets and Consumer Durable Goods in the United*

States, 1925–1997. Washington, DC: BEA; <www.bea.gov/bea/mp_national.htm>.

Wilson, Daniel. 2002. “Is Embodied Technology the Result of Upstream R&D? Industry-Level Evidence.” *Review of Economic Dynamics* 5, 342–362.

Wilson, Daniel. 2003. “Embodying Embodiment in a Structural, Macroeconomic Input-output Model.” *Economic Systems Research* 15 (November): 371–398. *Appendixes A and B and tables 1 and 2 follow.*

Appendix A. Classification of Industries (Columns) in the 1997 Capital Flow Table

Column number	I-O industry code ¹	Industry	Related 1997 NAICS codes	Column number	I-O industry code ¹	Industry	Related 1997 NAICS codes
1	1110	Crop production	1111, 1112, 1113, 1114, 1119	63	3364	Aerospace product and parts manufacturing	3364
2	1120	Animal production	1121, 1122, 1123, 1124, 1125, 1129	64	336B	Other transportation equipment manufacturing	3365, 3366, 3369
3	1130	Forestry and logging	1131, 1132, 1133	65	3370	Furniture and related product manufacturing	3371, 3372, 3379
4	1140	Fishing, hunting and trapping	1141, 1142	66	3391	Medical equipment and supplies manufacturing	3391
5	1150	Agriculture and forestry support activities	115	67	3399	Other miscellaneous manufacturing	3399
6	2110	Oil and gas extraction	211	68	4200	Wholesale trade	42
7	2121	Coal mining	2121	69	4A00	Retail trade	44, 45
8	2122	Metal ores mining	2122	70	4810	Air transportation	481
9	2123	Nonmetallic mineral mining and quarrying	2123	71	4820	Rail transportation	482
10	2130	Support activities for mining	2131	72	4830	Water transportation	483
11	2211	Power generation and supply	2211	73	4840	Truck transportation	484
12	2212	Natural gas distribution	2212	74	4850	Transit and ground passenger transportation	485
13	2213	Water, sewage and other systems	2213	75	4860	Pipeline transportation	486
14	2300	New and maintenance and repair construction	23	76	48A0	Scenic and sightseeing transportation and support activities for transportation	487, 488
15	3110	Food manufacturing	3111–9	77	4920	Couriers and messengers	492
16	3121	Beverage manufacturing	3121	78	4930	Warehousing and storage	493
17	3122	Tobacco manufacturing	3122	79	5111	Newspaper, book, and directory publishers	5111
18	3130	Textile mills	3131, 3132, 3133	80	5112	Software publishers	5112
19	3140	Textile product mills	3141, 3149	81	5120	Motion picture and sound recording industries	5121, 5122
20	3150	Apparel manufacturing	3151, 3152, 3159	82	5131	Radio and television broadcasting	5131
21	3160	Leather and allied product manufacturing	3161, 3162, 3169	83	5132	Cable networks and program distribution	5132
22	3210	Wood product manufacturing	3211, 3212, 3219	84	5133	Telecommunications	5133
23	3221	Pulp, paper, and paperboard mills	3221	85	5141	Information services	5141
24	3222	Converted paper product manufacturing	3222	86	5142	Data processing services	5142
25	3230	Printing and related support activities	3231	87	52A0	Monetary authorities, credit intermediation and related activities	521, 522
26	3240	Petroleum and coal products manufacturing	3241	88	5230	Securities, commodity contracts, investments	523
27	3251	Basic chemical manufacturing	3251	89	5240	Insurance carriers and related activities	524
28	3252	Resin, rubber, and artificial fibers manufacturing	3252	90	5250	Funds, trusts, and other financial vehicles	525
29	3253	Agricultural chemical manufacturing	3253	91	5310	Real estate (and owner occupied dwellings)	531
30	3254	Pharmaceutical and medicine manufacturing	3254	92	5321	Automotive equipment rental and leasing	5321
31	3255	Paint, coating, and adhesive manufacturing	3255	93	532A	Consumer goods and general rental centers	5322, 5323
32	3256	Soap, cleaning compound, and toiletry manufacturing	3256	94	532A	Machinery and equipment rental and leasing	5324
33	3259	Other chemical product and preparation manufacturing	3259	95	5330	Lessors of nonfinancial intangible assets	533
34	3260	Plastics and rubber products manufacturing	3261, 3262	96	5411	Legal services	5411
35	3270	Nonmetallic mineral product manufacturing	3271, 3272, 3273, 3274, 3279	97	5412	Accounting and bookkeeping services	5412
36	331A	Iron and steel mills and manufacturing from purchased steel	3311, 3312	98	5413	Architectural and engineering services	5413
37	331B	Nonferrous metal production and processing	3313, 3314	99	5414	Specialized design services	5414
38	3315	Foundries	3315	100	5415	Computer systems design and related services	5415
39	3321	Forging and stamping	3321	101	5416	Management and technical consulting services	5416
40	3322	Cutlery and handtool manufacturing	3322	102	5417	Scientific research and development services	5417
41	3323	Architectural and structural metals manufacturing	3323	103	5418	Advertising and related services	5418
42	3324	Boiler, tank, and shipping container manufacturing	3324	104	5419	Other professional and technical services	5419
43	332A	Ordnance and accessories manufacturing	332992–5	105	5500	Management of companies and enterprises	55
44	332B	Other fabricated metal product manufacturing	3325, 3326, 3327, 3328, 33291, 332991, 332996–9	106	5613	Employment services	5613
45	3331	Agriculture, construction, and mining machinery	3331	107	5615	Travel arrangement and reservation services	5615
46	3332	Industrial machinery manufacturing	3332	108	561A	All other administrative and support services	5611, 5612, 5614, 5616, 5617, 5619
47	3333	Commercial and service industry machinery	3333	109	5620	Waste management and remediation services	562
48	3334	HVAC and commercial refrigeration equipment	3334	110	6100	Educational services	611
49	3335	Metalworking machinery manufacturing	3335	111	6210	Ambulatory health care services	621
50	3336	Turbine and power transmission equipment manufacturing	3336	112	6220	Hospitals	622
51	3339	Other general purpose machinery manufacturing	3339	113	6230	Nursing and residential care facilities	623
52	3341	Computer and peripheral equipment manufacturing	3341	114	6240	Social assistance	624
53	334A	Audio, video, and communications equipment manufacturing	3342, 3343	115	71A0	Performing arts, spectator sports, museums, zoos, and parks	711, 712
54	3344	Semiconductor and electronic component manufacturing	3344	116	7130	Amusements, gambling, and recreation	713
55	3345	Electronic instrument manufacturing	3345	117	7210	Accommodation	721
56	3346	Magnetic media manufacturing and reproducing	3346	118	7220	Food services and drinking places	722
57	3351	Electric lighting equipment manufacturing	3351	119	8111	Automotive repair and maintenance	8111
58	3352	Household appliance manufacturing	3352	120	811A	Electronic, commercial, and household goods repair ..	8112, 8113, 8114
59	3353	Electrical equipment manufacturing	3353	121	8120	Personal and laundry services	8121, 8122, 8123, 8129
60	3359	Other electrical equipment and component manufacturing	3359	122	813A	Religious, grantmaking and giving, and social advocacy organizations	8131, 8132, 8133
61	3361	Motor vehicle manufacturing	3361	123	813B	Civic, social, professional and similar organizations	8134, 8139
62	336A	Motor vehicle body, trailer, and parts manufacturing	3362, 3363				

1. The I-O industry codes with a letter are aggregates of NAICS industries.
I-O Input output
NAICS North American Industry Classification System

Appendix B. Classification of Commodities (Rows) in the 1997 Capital Flow Table

Row number	I-O commodity code ¹	Commodity	Related 1997 NAICS codes	Row number	I-O commodity code ¹	Commodity	Related 1997 NAICS codes
1	212291	Uranium, radium and vanadium ore mining.....	212291	91	333922	Conveyors and conveying equipment.....	333922
2	213111	Drilling oil and gas wells.....	213111	92	333923	Overhead cranes, hoists, and monorail systems.....	333923
3	213112	Support activities for oil and gas operations.....	213112	93	333924	Industrial trucks, trailers, and stackers.....	333924
4	21311A	Support activities for other mining.....	213113, 213114, 213115	94	333991	Power-driven handtools.....	333991
5	233511 ²	New residential 1-unit structures, nonfarm construction.....	23 ³	95	333992	Welding and soldering equipment.....	333992
6	233512 ²	New residential 2-4 unit nonfarm construction.....	23	96	333993	Packaging machinery.....	333993
7	233513 ²	New residential garden apartments construction.....	23	97	333994	Industrial process furnaces and ovens.....	333994
8	233514 ²	New high-rise apartments construction.....	23	98	333996	Fluid power pumps and motors.....	333996
9	233515 ²	New nonfarm residential additions and alterations.....	23	99	33399A	Scales, balances, and miscellaneous general purpose machinery.....	333997, 333999
10	233516 ²	New hotels and motels construction.....	23	100	334111	Electronic computers.....	334111
11	233517 ²	New dormitory and other group housing construction.....	23	101	334112	Computer storage devices.....	334112
12	233523 ²	New warehouse construction.....	23	102	334113	Computer terminals.....	334113
13	233524 ²	New garages and service stations construction.....	23	103	334119	Other computer peripheral equipment.....	334119
14	233525 ²	Other new nonfarm buildings construction.....	23	104	334210	Telephone apparatus.....	33421
15	233526 ²	New religious facilities construction.....	23	105	334220	Broadcast and wireless communications equipment.....	33422
16	233527 ²	New hospital construction.....	23	106	334290	Other communications equipment.....	33429
17	233528 ²	New residential institutional and other health facilities.....	23	107	334300	Audio and video equipment.....	3343
18	233529 ²	New amusement and recreation facilities construction.....	23	108	334510	Electromedical apparatus.....	334510
19	233532 ²	New railroad facilities construction.....	23	109	334511	Search, detection, and navigation instruments.....	334511
20	233533 ²	New electric utility construction.....	23	110	334513	Industrial process variable instruments.....	334513
21	233534 ²	New gas utility facilities construction.....	23	111	334514	Totalizing fluid meters and counting devices.....	334514
22	233535 ²	New petroleum pipelines construction.....	23	112	334515	Electricity and signal testing instruments.....	334515
23	233536 ²	New water supply facilities construction.....	23	113	334516	Analytical laboratory instruments.....	334516
24	233543 ²	New academic facilities construction.....	23	114	334517	Irradiation apparatus.....	334517
25	233544 ²	New libraries, museums and cultural facilities construction.....	23	115	334519	Other measuring and controlling devices.....	334519
26	233545 ²	New commercial structures.....	23	116	334613	Magnetic and optical recording media.....	334613
27	233551 ²	New farm housing units and additions and alterations.....	23	117	335120	Lighting fixtures.....	33512
28	233552 ²	New farm service facilities construction.....	23	118	335211	Electric housewares and household fans.....	335211
29	233572 ²	New dam and reservoir construction.....	23	119	335212	Household vacuum cleaners.....	335212
30	233573 ²	Other new conservation and development construction.....	23	120	335221	Household cooking appliances.....	335221
31	233574 ²	Other new nonbuilding construction.....	23	121	335222	Household refrigerators and home freezers.....	335222
32	233612 ²	New highways, bridges and other horizontal construction.....	23	122	335224	Household laundry equipment.....	335224
33	233621 ²	New industrial plants construction.....	23	123	335228	Other major household appliances.....	335228
34	233624 ²	New waste treatment plants construction.....	23	124	335311	Electric power and specialty transformers.....	335311
35	233625 ²	New sewer facilities construction.....	23	125	335312	Motors and generators.....	335312
36	233631 ²	New telephone and telegraph construction.....	23	126	335313	Switchgear and switchboard apparatus.....	335313
37	233701 ²	Residential maintenance and repair construction.....	23	127	335314	Relays and industrial controls.....	335314
38	233703 ²	Farm residential maintenance and repair and major replacement.....	23	128	335911	Storage batteries.....	335911
39	233706 ²	Railroad maintenance and repair construction.....	23	129	335929	Other communication and energy wire.....	335929
40	233722 ²	New office building construction.....	23	130	335931	Current-carrying wiring devices.....	335931
41	312300	Nonwoven fabric mills.....	312303	131	335999	Miscellaneous electrical equipment.....	335999
42	314110	Carpet and rug mills.....	314111	132	336110	Automobiles and light trucks.....	33611
43	321920	Wood containers and pallets.....	32192	133	336120	Heavy duty trucks.....	33612
44	321991	Manufactured homes, mobile homes.....	321991	134	336211	Motor vehicle bodies.....	336211
45	325180	Other basic inorganic chemicals.....	325188	135	336212	Truck trailers.....	336212
46	3261A0	Foam products.....	32614, 32615	136	336213	Motor homes.....	336213
47	326290	Other rubber products.....	32629	137	336214	Travel trailers and campers.....	336214
48	332212	Hand and edge tools.....	332212	138	336360	Motor vehicle seating and interior trim.....	33636
49	332213	Saw blades and hand saws.....	332213	139	336411	Aircraft.....	336411
50	332313	Plate work.....	332313	140	336412	Aircraft engines and engine parts.....	336412
51	332322	Sheet metal work.....	332322	141	336414	Guided missiles and space vehicles.....	336414
52	332323	Ornamental and architectural metal work.....	332323	142	336500	Railroad rolling stock.....	3365
53	332410	Power boilers and heat exchangers.....	33241	143	336611	Ship building and repairing.....	336611
54	332420	Metal tanks, heavy gauge.....	33242	144	336612	Boat building.....	336612
55	332430	Metal cans, boxes, and other containers.....	332431	145	336991	Motorcycles, bicycles, and parts.....	336991
56	332500	Hardware.....	3325	146	336999	All other transportation equipment.....	336999
57	332910	Metal valves.....	33291	147	337110	Wood kitchen cabinets and countertops.....	33711
58	332996	Fabricated pipe and pipe fittings.....	332996	148	337121	Upholstered household furniture.....	337121
59	332999	Miscellaneous fabricated metal products.....	332999	149	337122	Nonupholstered wood household furniture.....	337122
60	333111	Farm machinery and equipment.....	333111	150	337124	Metal household furniture.....	337124
61	333112	Lawn and garden equipment.....	333112	151	337125	Household furniture, except wood and metal.....	337125
62	333120	Construction machinery.....	33312	152	337127	Institutional furniture.....	337127
63	333131	Mining machinery and equipment.....	333131	153	337211	Wood office furniture.....	337211
64	333132	Oil and gas field machinery and equipment.....	333132	154	337212	Custom architectural woodwork and millwork.....	337212
65	333210	Sawmill and woodworking machinery.....	33321	155	337214	Office furniture, except wood.....	337214
66	333220	Plastics and rubber industry machinery.....	33322	156	337215	Showcases, partitions, shelving, and lockers.....	337215
67	333291	Paper industry machinery.....	333291	157	337910	Mattresses.....	33791
68	333292	Textile machinery.....	333292	158	337920	Blinds and shades.....	33792
69	333293	Printing machinery and equipment.....	333293	159	339111	Laboratory apparatus and furniture.....	339111
70	333294	Food product machinery.....	333294	160	339112	Surgical and medical instruments.....	339112
71	333295	Semiconductor machinery.....	333295	161	339113	Surgical appliances and supplies.....	339113
72	333296	All other industrial machinery.....	333296	162	339114	Dental equipment and supplies.....	339114
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....	333311, 333312	163	339920	Sporting and athletic goods.....	33992
74	333313	Office machinery.....	333313	164	339942	Lead pencils and art goods.....	339942
75	333314	Optical instruments and lenses.....	333314	165	339950	Sign manufacturing.....	339950
76	333315	Photographic and photocopying equipment.....	333315	166	339992	Musical instruments.....	339992
77	333319	Other commercial and service machinery.....	333319	167	339999	All other miscellaneous manufactured products.....	339999
78	333411	Air purification equipment.....	333411	168	420000	Wholesale trade.....	42
79	333412	Industrial and commercial fans and blowers.....	333412	169	4A0000	Retail trade.....	44,45
80	333415	A/C, refrigeration, and forced air heating equipment.....	333415	170	481000	Air transportation.....	481
81	333511	Industrial molds.....	333511	171	482000	Rail transportation.....	482
82	333512	Metal cutting machine tools.....	333512	172	483000	Water transportation.....	483
83	333513	Metal forming machine tools.....	333513	173	484000	Truck transportation.....	484
84	333514	Special tools, dies, jigs, and fixtures.....	333514	174	511200	Software publishers.....	5112
85	33351A	Rolling mill and other metalworking machinery.....	333516, 333518	175	513000	Telecommunications.....	5133
86	333611	Turbine and turbine generator set units.....	333611	176	531210	Offices of real estate agents and brokers.....	53121
87	333618	Other engine equipment.....	333618	177	541300	Engineering services.....	54133
88	333911	Pumps and pumping equipment.....	333911	178	541511	Custom computer programming services.....	541511
89	333912	Air and gas compressors.....	333912	179	541512	Computer systems design services.....	541512
90	333913	Measuring and dispensing pumps.....	333913	180	S00300	Noncomparable imports.....	n.a.

1. The I-O commodity codes with a letter are aggregates of NAICS industries.
 2. Construction is classified by type of activity, such as the construction of new highways and streets, rather than by the type of construction contractor, such as heavy construction contractors who pave asphalt roads.
 3. The commodity in this NAICS code is included in more than one commodity.

I-O Input/output
 NAICS North American Industry Classification System
 n.a. Not applicable.

Table 1. Distribution of New Equipment, Software, and
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Nonmetallic mineral mining and quarrying
			1110	1120	1130	1140	1150	2110	2121	2122	2123
1	212291	Uranium, radium, and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....						9,347			
3	213112	Support activities for oil and gas operations.....						11,102	65	96	60
4	21311A	Support activities for other mining.....							334	571	291
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit structures, nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....						47	1	1	
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....			35		739				
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities construction.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....									
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....						9			
23	233536	New water supply facilities construction.....								52	
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums, and cultural facilities construction.....									
26	233545	New commercial structures construction.....				5		10	5	6	5
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....	2,119	1,696							
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....	2	6	110	19		4			
32	233612	New highways, bridges, and other horizontal construction.....									
33	233621	New industrial plants construction.....						2,530	238	166	61
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....						30	9	11	10
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	4	1	1		2	5	1	1	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....									
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....									
48	332212	Hand and edge tools.....	2	1	2		2				
49	332213	Saw blades and handsaws.....	2	1	8		1				
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....		121							
53	332410	Power boilers and heat exchangers.....	3	1				28			7
54	332420	Metal tanks, heavy gauge.....	165	55	2	1	13	37	16	2	13
55	332430	Metal cans, boxes, and other containers.....	14	6	1		1	1	1		2
56	332500	Hardware.....									
57	332910	Metal valves.....	2		1		1	32	23	5	20
58	332996	Fabricated pipe and pipe fittings.....						16			
59	332999	Miscellaneous fabricated metal products.....	1				1				
60	333111	Farm machinery and equipment.....	9,188	2,196	1		396	1			
61	333112	Lawn and garden equipment.....	431	181				20	5	6	21
62	333120	Construction machinery.....	199	63	400	6	12	150	338	284	517
63	333131	Mining machinery and equipment.....						65	654	437	454
64	333132	Oil and gas field machinery and equipment.....						609			
65	333210	Sawmill and woodworking machinery.....			3						
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....									
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									2
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	3	1	1		3	4			
75	333314	Optical instruments and lenses.....		3			1	40	1	6	2
76	333315	Photographic and photocopying equipment.....	9	4			1	26	3	4	5
77	333319	Other commercial and service machinery.....	5	2	1		3	3	1		3
78	333411	Air purification equipment.....	1					4	13		
79	333412	Industrial and commercial fans and blowers.....	1		1		1	1	23		2
80	333415	A/C, refrigeration, and forced air heating equipment.....	16	6	1		2	3	23		2
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....	1					133	35	7	11
83	333513	Metal forming machine tools.....						1			
84	333514	Special tools, dies, jigs, and fixtures.....						5	4	5	2
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....							8		
87	333618	Other engine equipment.....	205	68	5	5	2	92	21	8	15
88	333911	Pumps and pumping equipment.....	126	42	2	1	4	352	21	44	51
89	333912	Air and gas compressors.....	24	8	2		5	40	26	10	18
90	333913	Measuring and dispensing pumps.....	2	1	1			12	5	5	18
91	333922	Conveyors and conveying equipment.....	13	4	5			37	82	24	58
92	333923	Overhead cranes, hoists, and monorail systems.....	8	3	6		3	23	45	15	28

Structures to Using Industries, I-O Commodities, 1997

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Nonmetallic mineral mining and quarrying
			1110	1120	1130	1140	1150	2110	2121	2122	2123
93	333924	Industrial trucks, trailers, and stackers	20	6	1		1	21	47	17	29
94	333991	Power-driven handtools	147	64	7	2	2	5	17	7	10
95	333992	Welding and soldering equipment	34	10	1		2	6	12	9	12
96	333993	Packaging machinery	13	9							2
97	333994	Industrial process furnaces and ovens	1					12	8	21	28
98	333996	Fluid power pumps and motors	1					1	1		1
99	33399A	Scales, balances, and miscellaneous general purpose machinery	6	2		2	1	35	5	4	11
100	334111	Electronic computers	166	74	7	2	10	252	37	47	55
101	334112	Computer storage devices	49	15	2		6	50	8	6	13
102	334113	Computer terminals	2	1			1	1			
103	334119	Other computer peripheral equipment	36	12	5		11	86	13	13	23
104	334210	Telephone apparatus	19	6	2		11	15	4	2	6
105	334220	Broadcast and wireless communications equipment	32	11	5		4	51	7	11	13
106	334290	Other communications equipment	1				1	4			
107	334300	Audio and video equipment	1				2	1			
108	334510	Electromedical apparatus									
109	334511	Search, detection, and navigation instruments			1	11		5			
110	334513	Industrial process variable instruments	6	2	1		2	143	33	21	26
111	334514	Totalizing fluid meters and counting devices	3	1	1		1	34	3	2	5
112	334515	Electricity and signal testing instruments	6	27				4	1	2	2
113	334516	Analytical laboratory instruments	20	7	6		2	87	12	20	12
114	334517	Irradiation apparatus						3			
115	334519	Other measuring and controlling devices	33	11	4		2	182	30	72	24
116	334613	Magnetic and optical recording media									
117	335120	Lighting fixtures									
118	335211	Electric housewares and household fans									
119	335212	Household vacuum cleaners									
120	335221	Household cooking appliances									
121	335222	Household refrigerators and home freezers									
122	335224	Household laundry equipment									
123	335228	Other major household appliances									
124	335311	Electric power and specialty transformers	1					4	1		2
125	335312	Motors and generators	10	3	1		2	15	5	2	4
126	335313	Switchgear and switchboard apparatus	1	1	1		1	19	11	5	12
127	335314	Relays and industrial controls	1		2		1	6	6	4	13
128	335911	Storage batteries	2	1			2		3		3
129	335929	Other communication and energy wire									
130	335931	Current-carrying wiring devices									
131	335999	Miscellaneous electrical equipment	7	2			1	60	9	68	3
132	336110	Automobiles and light trucks	5,641	5,287	41	4	7	275	56	405	99
133	336120	Heavy duty trucks	647	605	105		3	91	167	55	198
134	336211	Motor vehicle bodies	10	4	4		3	4	9	7	27
135	336212	Truck trailers	22	7	26		8	7	12	35	24
136	336213	Motor homes									
137	336214	Travel trailers and campers	23	7	1		6				
138	336360	Motor vehicle seating and interior trim					1	1			
139	336411	Aircraft			1		31	309		16	
140	336412	Aircraft engines and engine parts					2	5			
141	336414	Guided missiles and space vehicles									
142	336500	Railroad rolling stock							519		
143	336611	Ship building and repairing				22		482			
144	336612	Boat building				13					
145	336991	Motorcycles, bicycles, and parts									
146	336999	All other transportation equipment	116	144	3	6	1	30	3	3	6
147	337110	Wood kitchen cabinets and countertops	1				1	1			
148	337121	Upholstered household furniture									
149	337122	Nonupholstered wood household furniture									
150	337124	Metal household furniture									
151	337125	Household furniture, except wood and metal									
152	337127	Institutional furniture	7	2	1		2	7	8	7	11
153	337211	Wood office furniture	8	3	2		1	14	2	3	4
154	337212	Custom architectural woodwork and millwork									
155	337214	Office furniture, except wood	12	5	3		1	35	4	5	11
156	337215	Showcases, partitions, shelving, and lockers	8	2	1		6	11	1		7
157	337910	Mattresses									
158	337920	Blinds and shades									
159	339111	Laboratory apparatus and furniture	3	1	1		1	24	1	5	4
160	339112	Surgical and medical instruments	1				1				
161	339113	Surgical appliances and supplies	1								
162	339114	Dental equipment and supplies									
163	339920	Sporting and athletic goods	1								
164	339942	Lead pencils and art goods									
165	339950	Sign manufacturing	2	1			2	5			
166	339992	Musical instruments									2
167	339999	All other miscellaneous manufactured products	9	3			2	1	1		2
168	420000	Wholesale trade	2,819	991	100	3	107	615	305	242	301
169	4A0000	Retail trade	901	566	10	4	5	107	27	44	48
170	481000	Air transportation	27	8	4			75	14	9	11
171	482000	Rail transportation	66	51	4		1	7	8	5	7
172	483000	Water transportation	2	1							
173	484000	Truck transportation	431	172	17		14	26	34	26	36
174	511200	Software publishers	44	115	5		4	353	10	30	91
175	513300	Telecommunications									
176	531210	Offices of real estate agents and brokers									
177	541330	Engineering services	402	335	8	1	29	155	154	67	127
178	541511	Custom computer programming services	79	22	2		1	402	12	164	160
179	541512	Computer systems design services	17	5			5	27	4	5	6
180	S00300	Noncomparable imports	2	1			1	8	1		2
		Total new equipment, software, and structures	24,466	13,073	980	102	1,505	28,998	3,637	3,232	3,170

Table 1. Distribution of New Equipment, Software, and
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Support activities for mining	Power generation and supply	Natural gas distribution	Water, sewage and other systems	New and maintenance and repair construction	Food manufacturing	Beverage manufacturing	Tobacco manufacturing	Textile mills
			2130	2211	2212	2213	2300	3110	3121	3122	3130
1	212291	Uranium, radium and vanadium ore mining.....		39							
2	213111	Drilling oil and gas wells.....	257								
3	213112	Support activities for oil and gas operations.....	374								
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....					196	89	14	3	18
13	233524	New garages and service stations construction.....					82				
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....		17,209				3	1		1
21	233534	New gas utility facilities construction.....			6,384						
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....				1,020	126				
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	5	249	12	8	48	24	7	3	9
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....				444					
30	233573	Other new conservation and development construction.....				265					
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....					467	1,487	250	41	260
34	233624	New waste treatment plants construction.....				83					
35	233625	New sewer facilities construction.....				401					
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	11	383	97	46	627	423	85	21	79
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	4	10	1	1	54	16	4	1	2
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....					1	6	2	1	1
45	325180	Other basic inorganic chemicals.....		2,040							
46	3261A0	Foam products.....									
47	326290	Other rubber products.....									1
48	332212	Hand and edge tools.....					4				
49	332213	Saw blades and handsaws.....	2	1			186				
50	332313	Plate work.....		35							1
51	332322	Sheet metal work.....					15	2			
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	10	2	2		20	65	17	2	10
54	332420	Metal tanks, heavy gauge.....	44	166	5	6	95	87	16	4	7
55	332430	Metal cans, boxes, and other containers.....	2	1			4	225	3		
56	332500	Hardware.....					9	1			
57	332910	Metal valves.....	15	57	38	17	36	65	8	2	10
58	332996	Fabricated pipe and pipe fittings.....	5	3	57	8	198	1	2		
59	332999	Miscellaneous fabricated metal products.....		2			121	4	2		1
60	333111	Farm machinery and equipment.....		9	1	1	2	14	2		2
61	333112	Lawn and garden equipment.....	18	32	16	8	45	89	9	3	8
62	333120	Construction machinery.....	752	243	68	51	7,805	74	26	10	13
63	333131	Mining machinery and equipment.....	245								
64	333132	Oil and gas field machinery and equipment.....	433		51						
65	333210	Sawmill and woodworking machinery.....					71				
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									1,539
69	333293	Printing machinery and equipment.....							2		5
70	333294	Food product machinery.....						1,485	258		
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....				477				109	103
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....						7	237		
74	333313	Office machinery.....	4	135	2	1	58	22	6	2	2
75	333314	Optical instruments and lenses.....	13	24	2	3	17	12	3	9	1
76	333315	Photographic and photocopying equipment.....	10	44	9	2	218	39	8	6	6
77	333319	Other commercial and service machinery.....	5	14	5	5	183	61	8		2
78	333411	Air purification equipment.....	2	24	1	1	73	6			1
79	333412	Industrial and commercial fans and blowers.....	5	8	1	1	53	34	5		7
80	333415	A/C, refrigeration, and forced air heating equipment.....	4	9	1	1	61	125	15	3	3
81	333511	Industrial molds.....						11			6
82	333512	Metal cutting machine tools.....	25			1	35				
83	333513	Metal forming machine tools.....	2	1			15	7			1
84	333514	Special tools, dies, jigs, and fixtures.....	16	4			1	32	56	2	3
85	33351A	Rolling mill and other metalworking machinery.....					163				
86	333611	Turbine and turbine generator set units.....		1,383	414	22	1				
87	333618	Other engine equipment.....	39	35	4	3	88	23	7	2	4
88	333911	Pumps and pumping equipment.....	9	169	32	26	232	292	72	21	29
89	333912	Air and gas compressors.....	96	60	14	63	619	51	13	3	14
90	333913	Measuring and dispensing pumps.....		13	3	13	148	38	10	2	9
91	333922	Conveyors and conveying equipment.....	94	26		3	107	486	91	14	37
92	333923	Overhead cranes, hoists, and monorail systems.....	120	188	7	6	389	50	8	2	11

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Support activities for mining	Power generation and supply	Natural gas distribution	Water, sewage and other systems	New and maintenance and repair construction	Food manufacturing	Beverage manufacturing	Tobacco manufacturing	Textile mills
			2130	2211	2212	2213	2300	3110	3121	3122	3130
93	333924	Industrial trucks, trailers, and stackers	99	12	6	177	161	220	68	11	20
94	333991	Power-driven handtools	31	47	9	2	723	39	6	1	6
95	333992	Welding and soldering equipment	29	25	5	1	334	44	11	2	5
96	333993	Packaging machinery .....	.....	.....	.....	.....	.....	819	185	12	38
97	333994	Industrial process furnaces and ovens.....	80	6	.....	.....	6	107	8	4	2
98	333996	Fluid power pumps and motors	5	33	.....	.....	15	11	2	.....	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery.....	19	28	3	10	52	168	16	5	19
100	334111	Electronic computers.....	132	820	156	38	657	345	78	52	39
101	334112	Computer storage devices.....	27	218	46	6	266	89	19	14	10
102	334113	Computer terminals.....	2	4	1	.....	18	8	2	.....	3
103	334119	Other computer peripheral equipment.....	43	182	31	16	324	134	33	21	18
104	334210	Telephone apparatus.....	9	27	7	3	933	42	12	5	6
105	334220	Broadcast and wireless communications equipment	28	116	31	13	656	48	20	5	4
106	334290	Other communications equipment.....	2	6	1	.....	34	6	2	2	1
107	334300	Audio and video equipment.....	2	3	1	1	37	7	2	.....	1
108	334510	Electromedical apparatus.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	2	167	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments	280	263	30	44	52	229	28	16	31
111	334514	Totalizing fluid meters and counting devices	4	25	348	8	23	56	5	3	3
112	334515	Electricity and signal testing instruments .....	.....	4,271	21	1	49	31	5	6	20
113	334516	Analytical laboratory instruments	33	111	18	6	100	31	7	34	16
114	334517	Irradiation apparatus .....	.....	24	.....	.....	4	11	.....	.....	.....
115	334519	Other measuring and controlling devices.....	107	250	5	3	252	50	9	4	9
116	334613	Magnetic and optical recording media.....	.....	1	.....	.....	3	.....	.....	.....	.....
117	335120	Lighting fixtures .....	.....	5	.....	.....	29	1	.....	.....	.....
118	335211	Electric housewares and household fans.....	.....	.....	.....	.....	2	.....	.....	.....	.....
119	335212	Household vacuum cleaners.....	.....	.....	.....	.....	1	1	.....	.....	.....
120	335221	Household cooking appliances.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers.....	.....	.....	.....	.....	.....	1	.....	.....	.....
122	335224	Household laundry equipment.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers.....	.....	2,215	12	3	8	7	2	.....	2
125	335312	Motors and generators	14	349	4	1	154	27	8	2	5
126	335313	Switchgear and switchboard apparatus	13	756	30	12	23	46	7	4	9
127	335314	Relays and industrial controls	70	88	1	1	150	42	7	.....	8
128	335911	Storage batteries .....	.....	4	.....	1	6	21	7	2	4
129	335929	Other communication and energy wire.....	.....	1	.....	.....	3	2	.....	.....	.....
130	335931	Current-carrying wiring Devices .....	.....	24	.....	.....	2	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment	13	179	7	5	213	186	28	2	5
132	336110	Automobiles and light trucks	365	3,680	241	131	23,363	511	112	43	58
133	336120	Heavy duty trucks	40	207	12	128	2,292	62	11	2	6
134	336211	Motor vehicle bodies	18	3	1	9	124	65	31	.....	3
135	336212	Truck trailers	55	9	5	17	549	113	58	2	3
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	1	.....	.....	11	3	2	.....	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft.....	.....	.....	.....	.....	11	4	.....	4	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	1	.....	.....	.....	.....
142	336500	Railroad rolling stock.....	.....	.....	.....	.....	.....	7	3	2	2
143	336611	Ship building and repairing.....	4	.....	.....	.....	3	1	.....	.....	.....
144	336612	Boat building.....	2	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment.....	13	4	5	7	9	9	3	2	.....
147	337110	Wood kitchen cabinets and countertops .....	.....	2	1	.....	15	4	2	.....	1
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture, except wood and metal	12	62	12	3	180	54	11	2	7
153	337211	Wood office furniture	8	22	6	1	35	29	6	3	4
154	337212	Custom architectural woodwork and millwork .....	.....	1	.....	.....	7	1	.....	.....	.....
155	337214	Office furniture, except wood	20	58	14	5	177	61	13	9	8
156	337215	Showcases, partitions, shelving, and lockers.....	9	24	6	1	141	133	19	5	8
157	337910	Mattresses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	1	.....	.....	8	4	.....	.....	.....
159	339111	Laboratory apparatus and furniture.....	9	40	5	1	49	26	5	5	4
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	8	2	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	2	.....	.....	12	4	.....	.....	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing	5	19	5	1	90	38	14	2	2
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products.....	4	5	1	1	65	24	3	.....	3
168	420000	Wholesale trade	608	1,569	251	247	4,514	1,092	276	69	221
169	4A0000	Retail trade	91	448	67	23	2,096	250	42	17	27
170	481000	Air transportation.....	63	102	16	3	170	51	10	1	12
171	482000	Rail transportation.....	10	41	2	5	253	15	3	.....	.....
172	483000	Water transportation.....	.....	2	.....	.....	4	.....	.....	.....	.....
173	484000	Truck transportation.....	55	240	14	11	823	95	16	1	14
174	511200	Software publishers.....	203	1,427	369	19	2,092	180	33	45	30
175	513300	Telecommunications.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services.....	192	689	61	57	989	419	85	24	95
178	541511	Custom computer programming services.....	317	1,237	183	104	1,258	781	150	150	121
179	541512	Computer systems design services	14	43	9	3	172	41	10	5	4
180	500300	Noncomparable imports	5	15	2	1	31	13	2	2	3
Total new equipment, software, and structures			5,785	42,666	9,455	4,117	57,515	12,378	2,758	868	3,127

Table 1. Distribution of New Equipment, Software, and
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Textile product mills	Apparel manufacturing	Leather and allied product manufacturing	Wood product manufacturing	Pulp, paper, and paper-board mills	Converted paper product manufacturing	Printing and related support activities	Petroleum and coal products manufacturing	Basic chemical manufacturing
			3140	3150	3160	3210	3221	3222	3230	3240	3251
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	9	8		26	17	15	27	19	71
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....		1			1	1	1	1	3
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	11	7	7	12	3	2	5	5	15
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	83	149	2	346	325	255	519	370	1,514
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	18	53	16	138	78	63	135	107	493
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	1	2	1	2	2	5	11	2	5
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1		1			4	4	5
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....		2			7	9	67		
48	332212	Hand and edge tools.....				18					
49	332213	Saw blades and handsaws.....				8					
50	332313	Plate work.....		1		1					
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	8	9	2	22	18	15	16	56	53
54	332420	Metal tanks, heavy gauge.....	5	4	2	16	41	40	18	65	55
55	332430	Metal cans, boxes, and other containers.....				1	2	1	1	2	5
56	332500	Hardware.....									
57	332910	Metal valves.....	5	4	2	14	52	35	13	50	77
58	332996	Fabricated pipe and pipe fittings.....	1			1	7			27	24
59	332999	Miscellaneous fabricated metal products.....				3	2			2	2
60	333111	Farm machinery and equipment.....	1	1				1	1		2
61	333112	Lawn and garden equipment.....	3	2	1	30	60	22	9	9	33
62	333120	Construction machinery.....	4	3	1	45	72	19	34	59	94
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....				786	5				
66	333220	Plastics and rubber industry machinery.....			7						
67	333291	Paper industry machinery.....					1,960	528	39		
68	333292	Textile machinery.....	232	333							
69	333293	Printing machinery and equipment.....	2	4	1		74	122	1,417		2
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	42	43	21	10	27	2	2	842	934
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	1	2		3	2	4	37	3	4
75	333314	Optical instruments and lenses.....				2	14	3	16	12	49
76	333315	Photographic and photocopying equipment.....	4	7	2	7	12	18	82	13	25
77	333319	Other commercial and service machinery.....	1	2	1	4	10	5	8	2	8
78	333411	Air purification equipment.....		1		5	25	2	2	23	38
79	333412	Industrial and commercial fans and blowers.....	2	9	1	9	9	8	16	3	5
80	333415	A/C, refrigeration, and forced air heating equipment.....	3	5	1	5	7	6	15	5	29
81	333511	Industrial molds.....	16	3	10	10	32	69		12	3
82	333512	Metal cutting machine tools.....				4	84	2		25	42
83	333513	Metal forming machine tools.....	1		1	6	10	18		6	3
84	333514	Special tools, dies, jigs, and fixtures.....	3	1	2	13	36	35		27	22
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....				1	39	3		45	9
87	333618	Other engine equipment.....	2	2		11	10	6	4	19	14
88	333911	Pumps and pumping equipment.....	9	11	3	48	76	42	12	151	152
89	333912	Air and gas compressors.....	4	5	2	16	39	38	15	70	83
90	333913	Measuring and dispensing pumps.....	4	3	1	10	14	12	4	10	13
91	333922	Conveyors and conveying equipment.....	15	21	9	127	98	152	108	39	49
92	333923	Overhead cranes, hoists, and monorail systems.....	3	5	1	15	31	8	7	35	35

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Textile product mills	Apparel manufacturing	Leather and allied product manufacturing	Wood product manufacturing	Pulp, paper, and paper-board mills	Converted paper product manufacturing	Printing and related support activities	Petroleum and coal products manufacturing	Basic chemical manufacturing
			3140	3150	3160	3210	3221	3222	3230	3240	3251
93	333924	Industrial trucks, trailers, and stackers	5	8	2	83	130	88	31	38	145
94	333991	Power-driven handtools	2	2	1	16	23	8	4	8	14
95	333992	Welding and soldering equipment	5	3	3	28	11	14	6	16	15
96	333993	Packaging machinery	11	45	6	58	182	141	221	25	66
97	333994	Industrial process furnaces and ovens .....	.....	.....	.....	7	19	.....	.....	555	142
98	333996	Fluid power pumps and motors .....	.....	.....	.....	2	2	3	.....	1	2
99	33399A	Scales, balances, and miscellaneous general purpose machinery	7	8	3	31	278	37	72	214	897
100	334111	Electronic computers	28	39	6	66	128	102	245	175	474
101	334112	Computer storage devices	6	11	3	17	24	30	81	24	119
102	334113	Computer terminals	2	2	1	2	3	3	6	2	3
103	334119	Other computer peripheral equipment	4	18	3	26	47	42	131	76	251
104	334210	Telephone apparatus	5	5	1	7	8	13	29	10	19
105	334220	Broadcast and wireless communications equipment	4	4	1	11	13	14	23	26	27
106	334290	Other communications equipment .....	.....	1	.....	1	2	2	4	2	3
107	334300	Audio and video equipment .....	.....	1	.....	2	2	2	5	2	3
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments	13	16	5	48	131	57	66	239	405
111	334514	Totalizing fluid meters and counting devices	2	1	2	11	23	13	8	43	73
112	334515	Electricity and signal testing instruments	6	9	8	5	11	6	14	11	22
113	334516	Analytical laboratory instruments	4	5	5	5	7	3	1	47	153
114	334517	Irradiation apparatus .....	.....	.....	.....	.....	2	.....	.....	3	4
115	334519	Other measuring and controlling devices	3	5	2	11	20	13	15	20	42
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	1	.....	.....
117	335120	Lighting fixtures .....	.....	.....	.....	1	.....	.....	1	.....	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers	1	1	.....	3	59	4	3	29	9
125	335312	Motors and generators	1	5	1	8	16	6	12	25	24
126	335313	Switchgear and switchboard apparatus	2	4	1	9	66	13	12	47	34
127	335314	Relays and industrial controls	4	9	2	18	19	13	22	10	10
128	335911	Storage batteries	2	1	.....	9	12	10	4	3	3
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	1	.....	.....
130	335931	Current-carrying wiring devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment	1	2	.....	10	116	7	11	25	239
132	336110	Automobiles and light trucks	52	59	10	119	100	131	256	111	179
133	336120	Heavy duty trucks	4	4	4	13	9	5	34	19	17
134	336211	Motor vehicle bodies	2	1	.....	10	5	7	10	8	6
135	336212	Truck trailers	2	1	1	30	6	10	18	14	9
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	1	.....	1	.....	1	2	.....	.....
138	336300	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	1	6	.....	1	5	3
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock .....	.....	.....	.....	1	7	2	3	44	77
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment	1	1	.....	13	19	2	6	6	47
147	337110	Wood kitchen cabinets and countertops .....	.....	1	.....	1	.....	1	3	2	2
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture	4	3	1	10	23	8	14	7	17
153	337211	Wood office furniture	3	5	1	5	6	8	24	8	14
154	337212	Custom architectural woodwork and millwork .....	.....	1	.....	1	.....	1	1	.....	1
155	337214	Office furniture, except wood	6	9	2	11	15	19	53	18	38
156	337215	Showcases, partitions, shelving, and lockers	8	10	2	20	10	21	42	7	17
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	.....	.....	.....	1	2	.....	.....
159	339111	Laboratory apparatus and furniture	2	1	1	5	10	.....	.....	12	40
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	2
161	339113	Surgical appliances and supplies .....	.....	.....	.....	1	2	1	2	.....	2
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing	1	2	1	5	5	6	19	4	7
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products	2	2	1	5	5	5	12	3	3
168	420000	Wholesale trade	64	80	14	320	538	282	698	462	867
169	4A0000	Retail trade	14	18	3	73	115	62	119	53	163
170	481000	Air transportation	2	2	.....	3	65	22	33	21	40
171	482000	Rail transportation .....	.....	.....	.....	2	3	2	3	4	7
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation	3	4	.....	17	45	18	31	25	40
174	511200	Software publishers	19	30	6	43	66	58	177	65	482
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services	28	57	8	74	216	223	221	198	282
178	541511	Custom computer programming services	72	66	11	111	397	239	265	577	1,027
179	541512	Computer systems design services	4	6	1	8	15	12	32	18	34
180	500300	Noncomparable imports	1	2	.....	3	6	4	6	9	14
		Total new equipment, software, and structures	918	1,275	220	3,178	6,349	3,362	5,764	5,496	10,605

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Resin, rubber, and artificial fibers manufacturing	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletry manufacturing	Other chemical product and preparation manufacturing	Plastics and rubber products manufacturing	Nonmetallic mineral product manufacturing	Iron and steel mills and manufacturing from purchased steel
			3252	3253	3254	3255	3256	3259	3260	3270	331A
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	13	3	52	5	9	18	41	24	12
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....	1		2			1	2	1	1
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	4	4	10	5	4	7	8	14	5
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	260	66	1,125	79	167	160	789	437	206
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	86	36	348	44	62	63	216	149	56
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	4	1	5	1	4	2	4	5	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1	10	1	1	1	4	4	1
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....							3		
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....							1	1	
50	332313	Plate work.....							1		
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	38	25	13	3	7	5	17	32	18
54	332420	Metal tanks, heavy gauge.....	38	21	23	4	12	11	26	32	11
55	332430	Metal cans, boxes, and other containers.....	2		4	1	1	2	1	4	
56	332500	Hardware.....									
57	332910	Metal valves.....	56	24	47	10	15	26	19	28	14
58	332996	Fabricated pipe and pipe fittings.....	17	12	6	1	1	2	1		2
59	332999	Miscellaneous fabricated metal products.....							1	2	1
60	333111	Farm machinery and equipment.....		2	1	1			1	2	
61	333112	Lawn and garden equipment.....	28	10	14	3	10	14	17	25	9
62	333120	Construction machinery.....	65	20	34	4	14	13	25	111	108
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....							2,455		
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....			3				19	2	
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	457	129	87	65	139	244	3	672	3
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	4	2	3	2	3	2	4	4	2
75	333314	Optical instruments and lenses.....	24	9	92	7	12	15	2	3	3
76	333315	Photographic and photocopying equipment.....	19	5	25	3	10	10	14	15	7
77	333319	Other commercial and service machinery.....	8	4	6	1	2	2	5	12	2
78	333411	Air purification equipment.....	9	8	9	2	4	9	7	13	9
79	333412	Industrial and commercial fans and blowers.....	5	2	5	1	3	2	10	12	4
80	333415	A/C, refrigeration, and forced air heating equipment.....	21	3	34	3	7	11	9	7	3
81	333511	Industrial molds.....	3				4		2,373	308	45
82	333512	Metal cutting machine tools.....	72	6	50	14	22		5	56	123
83	333513	Metal forming machine tools.....	2	2	1	2	1		66	13	63
84	333514	Special tools, dies, jigs, and fixtures.....	7	6	6	7	4		140	29	223
85	33351A	Rolling mill and other metalworking machinery.....									776
86	333611	Turbine and turbine generator set units.....	9	5	4	2	3				7
87	333618	Other engine equipment.....	10	6	4	1	3		9	15	12
88	333911	Pumps and pumping equipment.....	92	55	53	9	24	20	50	91	48
89	333912	Air and gas compressors.....	57	28	35	4	11	20	21	33	14
90	333913	Measuring and dispensing pumps.....	9	3	7	2	4	2	3	18	13
91	333922	Conveyors and conveying equipment.....	42	15	71	23	74	27	73	193	63
92	333923	Overhead cranes, hoists, and monorail systems.....	25	14	13	1	5	4	12	27	30

Structures to Using Industries, I-O Commodities, 1997—Continued
 of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Resin, rubber, and artificial fibers manufacturing	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletry manufacturing	Other chemical product and preparation manufacturing	Plastics and rubber products manufacturing	Nonmetallic mineral product manufacturing	Iron and steel mills and manufacturing from purchased steel
			Industry code	3252	3253	3254	3255	3256	3259	3260	3270	331A
93	333924	Industrial trucks, trailers, and stackers	26	11	14	10	31	8	64	123	122
94	333991	Power-driven handtools	12	4	6	1	2	4	12	23	13
95	333992	Welding and soldering equipment	11	5	8	2	13	8	14	40	23
96	333993	Packaging machinery	51	12	130	16	56	34	72	89	25
97	333994	Industrial process furnaces and ovens	128	24	62	15	18	35	34	361	198
98	333996	Fluid power pumps and motors	1	.....	2	1	1	1	4	4	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery	58	24	28	4	13	14	61	50	35
100	334111	Electronic computers	225	74	321	44	94	113	109	133	72
101	334112	Computer storage devices	37	10	48	8	18	17	27	36	16
102	334113	Computer terminals	2	.....	3	1	1	1	5	3	1
103	334119	Other computer peripheral equipment	90	31	97	15	34	40	46	62	24
104	334210	Telephone apparatus	13	4	17	4	8	6	11	17	6
105	334220	Broadcast and wireless communications equipment	23	4	28	4	11	10	12	37	9
106	334290	Other communications equipment	2	.....	4	1	1	1	3	2	1
107	334300	Audio and video equipment	2	.....	1	1	1	1	3	3	1
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments	251	98	211	26	53	109	158	105	72
111	334514	Totalizing fluid meters and counting devices	48	18	39	5	9	22	9	15	6
112	334515	Electricity and signal testing instruments	15	20	4	1	4	13	12	16	25
113	334516	Analytical laboratory instruments	112	27	251	24	43	69	77	79	36
114	334517	Irradiation apparatus	2	2	3	.....	.....	1	1	3	1
115	334519	Other measuring and controlling devices	24	8	41	4	7	9	21	27	12
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
117	335120	Lighting fixtures .....	.....	.....	.....	.....	.....	.....	1	1	1
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers	9	5	5	1	4	3	3	3	6
125	335312	Motors and generators	19	8	28	2	4	5	10	14	10
126	335313	Switchgear and switchboard apparatus	25	15	16	4	8	7	13	20	14
127	335314	Relays and industrial controls	8	2	6	2	4	3	16	30	81
128	335911	Storage batteries	2	2	1	1	3	1	6	11	4
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	1	.....	.....
130	335931	Current-carrying wiring Devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment	16	7	52	1	3	5	9	12	29
132	336110	Automobiles and light trucks	122	46	140	33	95	67	175	199	81
133	336120	Heavy duty trucks	11	6	6	1	3	4	8	25	8
134	336211	Motor vehicle bodies	2	3	3	1	3	2	4	68	3
135	336212	Truck trailers	2	6	6	1	5	3	5	80	4
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	.....	.....	.....	.....	.....	1	1	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock	56	15	27	3	11	10	3	3	3
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment	28	21	8	2	2	5	1	9	2
147	337110	Wood kitchen cabinets and countertops .....	.....	.....	1	.....	1	1	1	1	.....
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture	13	5	10	2	3	3	11	17	11
153	337211	Wood office furniture	10	2	15	2	6	4	9	11	4
154	337212	Custom architectural woodwork and millwork .....	.....	.....	1	.....	.....	.....	1	.....	.....
155	337214	Office furniture, except wood	27	6	34	6	14	13	19	25	9
156	337215	Showcases, partitions, shelving, and lockers	14	5	15	5	14	8	25	33	9
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	1	.....	.....	.....	1	1	.....
159	339111	Laboratory apparatus and furniture	29	5	42	5	8	14	10	12	5
160	339112	Surgical and medical instruments	2	7	8	.....	.....	.....	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	.....	1	.....	.....	.....	1	1	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing	5	2	5	2	5	2	5	6	2
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products	5	2	3	1	3	2	6	7	3
168	420000	Wholesale trade	373	132	349	62	142	162	701	475	315
169	4A0000	Retail trade	95	34	90	17	40	44	63	88	39
170	481000	Air transportation	14	1	10	1	3	1	42	15	14
171	482000	Rail transportation	1	.....	1	.....	1	1	4	9	4
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation	19	4	6	.....	5	2	49	26	29
174	511200	Software publishers	97	20	215	20	49	51	82	95	60
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services	131	47	97	19	40	56	317	191	105
178	541511	Custom computer programming services	750	218	767	106	210	224	299	347	246
179	541512	Computer systems design services	25	8	30	4	9	11	13	15	6
180	S00300	Noncomparable imports	7	4	9	1	3	3	5	5	3
Total new equipment, software, and structures			4,538	1,541	5,529	803	1,761	1,931	9,133	5,479	3,704

Table 1. Distribution of New Equipment, Software, and
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Nonferrous metal production and processing	Foundries	Forging and stamping	Cutlery and handtool manufacturing	Architectural and structural metals manufacturing	Boiler, tank, and shipping container manufacturing	Ordnance and accessories manufacturing	Other fabricated metal product manufacturing	Agriculture, construction, and mining machinery
			331B	3315	3321	3322	3323	3324	332A	332B	3331
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213125	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	15	7	6	2	11	3	1	37	9
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....	1				1			1	1
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	7	5	5	3	5	3	1	17	4
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	230	133	106	26	170	48	12	516	171
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	49	46	39	15	57	22	7	171	61
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	1	1	1	1	2	1		6	2
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1	1		1	1		4	1
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....						1		1	
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....									
51	332322	Sheet metal work.....			1		3			2	
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	13	9	3	1	5	2		17	4
54	332420	Metal tanks, heavy gauge.....	14	5	4	3	9	4		27	7
55	332430	Metal cans, boxes, and other containers.....	1								
56	332500	Hardware.....									
57	332910	Metal valves.....	12	7	6	2	7	6		1	6
58	332996	Fabricated pipe and pipe fittings.....	1							2	1
59	332999	Miscellaneous fabricated metal products.....	1				1	1		1	1
60	333111	Farm machinery and equipment.....		1			1	1		2	
61	333112	Lawn and garden equipment.....	13	2	2	3	6	2		17	4
62	333120	Construction machinery.....	27	3	6	4	15	5	2	31	12
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....				7				5	7
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....						1		1	1
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	15	160	3	2	3	2	34	36	3
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	2	1	1	1	3	1		6	2
75	333314	Optical instruments and lenses.....	3	1						2	1
76	333315	Photographic and photocopying equipment.....	6	4	4	2	8	2	1	25	7
77	333319	Other commercial and service machinery.....	2	2	1	1	2	1		8	1
78	333411	Air purification equipment.....	6	4	3	1	3	2		10	3
79	333412	Industrial and commercial fans and blowers.....	4	4	3	2	5	2		14	4
80	333415	A/C, refrigeration, and forced air heating equipment.....	3	3	2	1	3	2		14	3
81	333511	Industrial molds.....	43	82	6	30	64	34	1	239	27
82	333512	Metal cutting machine tools.....	98	65	141	58	94	37	2	750	102
83	333513	Metal forming machine tools.....	71	89	89	31	61	23	1	371	54
84	333514	Special tools, dies, jigs, and fixtures.....	182	24	136	84	90	46	9	1,087	239
85	33351A	Rolling mill and other metalworking machinery.....	48	54	34	20	77	21	3	174	71
86	333611	Turbine and turbine generator set units.....	5	1	2					1	
87	333618	Other engine equipment.....	10	4	8	3	9	4		22	5
88	333911	Pumps and pumping equipment.....	40	5	12	4	19	14	1	32	15
89	333912	Air and gas compressors.....	16	14	9	4	16	5		46	14
90	333913	Measuring and dispensing pumps.....	8	5	3	1	3	3		10	3
91	333922	Conveyors and conveying equipment.....	42	22	22	16	19	23	1	81	45
92	333923	Overhead cranes, hoists, and monorail systems.....	12	2	4	1	7	5		14	5

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Nonferrous metal production and processing	Foundries	Forging and stamping	Cutlery and handtool manufacturing	Architectural and structural metals manufacturing	Boiler, tank, and shipping container manufacturing	Ordnance and accessories manufacturing	Other fabricated metal product manufacturing	Agriculture, construction, and mining machinery
			Industry code 331B	3315	3321	3322	3323	3324	332A	332B	3331
93	333924	Industrial trucks, trailers, and stackers	33	13	11	3	20	13	1	33	15
94	333991	Power-driven handtools	7	6	6	2	14	5	1	21	9
95	333992	Welding and soldering equipment	13	10	22	12	74	22	1	91	59
96	333993	Packaging machinery	28	1	11	7	14	9	.....	56	17
97	333994	Industrial process furnaces and ovens	105	78	10	6	11	5	.....	90	9
98	333996	Fluid power pumps and motors	1	1	1	1	1	1	.....	3	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery	37	1	19	8	22	10	.....	39	21
100	334111	Electronic computers	74	42	27	19	67	19	6	234	61
101	334112	Computer storage devices	14	10	6	5	16	6	1	52	14
102	334113	Computer terminals	2	1	1	1	1	1	.....	5	1
103	334119	Other computer peripheral equipment	26	15	17	7	25	8	3	91	25
104	334210	Telephone apparatus	6	4	4	2	7	2	2	18	6
105	334220	Broadcast and wireless communications equipment	8	4	3	2	7	2	1	17	7
106	334290	Other communications equipment	1	1	1	.....	1	1	.....	4	1
107	334300	Audio and video equipment	1	1	1	.....	1	.....	.....	4	1
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments	93	17	20	10	20	14	1	96	23
111	334514	Totalizing fluid meters and counting devices	13	2	4	1	3	3	.....	14	4
112	334515	Electricity and signal testing instruments	23	5	5	3	5	2	1	8	5
113	334516	Analytical laboratory instruments	37	1	14	6	14	9	2	35	17
114	334517	Irradiation apparatus	3	.....	.....	.....	1	.....	.....	1	1
115	334519	Other measuring and controlling devices	11	3	5	2	7	4	1	11	7
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
117	335120	Lighting fixtures .....	.....	.....	.....	.....	.....	.....	.....	1	.....
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers	4	2	2	1	2	1	.....	4	3
125	335312	Motors and generators	9	8	6	5	8	4	.....	35	15
126	335313	Switchgear and switchboard apparatus	13	5	5	2	5	4	.....	15	5
127	335314	Relays and industrial controls	18	10	5	3	11	4	.....	20	7
128	335911	Storage batteries	3	1	2	.....	2	2	.....	4	1
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
130	335931	Current-carrying wiring devices .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment	24	7	7	5	5	3	1	58	6
132	336110	Automobiles and light trucks	68	69	50	28	18	37	5	181	80
133	336120	Heavy duty trucks	9	13	7	4	8	3	1	23	8
134	336211	Motor vehicle bodies	3	1	1	.....	3	1	.....	6	1
135	336212	Truck trailers	5	2	1	.....	6	2	.....	8	3
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	.....	.....	.....	.....	.....	.....	1	.....
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	2	.....	.....	.....	2	1
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	336500	Railroad rolling stock	2	1	1	.....	1	.....	.....	3	1
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment	9	.....	.....	.....	.....	.....	.....	2	.....
147	337110	Wood kitchen cabinets and countertops	1	.....	.....	.....	1	.....	.....	2	1
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture	6	4	3	1	3	3	.....	8	3
153	337211	Wood office furniture	5	2	2	2	5	2	.....	13	5
154	337212	Custom architectural woodwork and millwork .....	.....	.....	.....	.....	1	.....	.....	1	.....
155	337214	Office furniture, except wood	9	2	5	3	12	5	1	17	10
156	337215	Showcases, partitions, shelving, and lockers	9	9	6	5	16	5	1	36	13
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	.....	.....	1	.....	.....	1	.....
159	339111	Laboratory apparatus and furniture	8	.....	3	2	6	2	.....	5	8
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	.....	.....	.....	1	.....	.....	2	.....
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing	2	.....	1	1	4	1	.....	7	2
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products	3	2	2	1	3	2	.....	7	2
168	420000	Wholesale trade	168	108	80	42	118	50	8	481	122
169	4A0000	Retail trade	37	18	18	9	32	11	1	97	28
170	481000	Air transportation	8	5	7	3	6	1	.....	53	9
171	482000	Rail transportation	1	1	.....	.....	.....	.....	.....	3	1
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation	7	1	3	.....	3	.....	.....	29	4
174	511200	Software publishers	44	25	31	16	49	14	8	159	50
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services	80	141	46	24	53	24	.....	304	57
178	541511	Custom computer programming services	232	117	63	34	114	58	15	500	178
179	541512	Computer systems design services	9	4	4	2	9	2	.....	28	8
180	500300	Noncomparable imports	3	2	1	1	2	1	.....	8	2
Total new equipment, software, and structures			2,337	1,547	1,213	622	1,619	705	138	6,875	1,834

Table 1. Distribution of New Equipment, Software, and

(Millions)

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Industrial machinery manufacturing	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metalworking machinery manufacturing	Turbine and power transmission equipment manufacturing	Other general purpose machinery manufacturing	Computer and peripheral equipment manufacturing	Audio, video, and communications equipment manufacturing	Semiconductor and electronic component manufacturing
			3332	3333	3334	3335	3336	3339	3341	334A	3344
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	13	10	5	7	5	12	18	15	373
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....						1	1	1	3
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	7	4	5	6	4	5	6	14	31
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	263	119	110	152	93	232	404	381	1,430
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	84	26	19	53	37	72	124	172	614
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	2	1	1	4	1	4	7	6	9
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1	1	1	1	1	3	5	14
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....				1		1			1
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....				1					1
51	332322	Sheet metal work.....			1	3					
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	1	1	2	10	2	3	2	3	4
54	332420	Metal tanks, heavy gauge.....	3	5	5	16	4	7	4	7	15
55	332430	Metal cans, boxes, and other containers.....		1							
56	332500	Hardware.....				1					
57	332910	Metal valves.....	3			14	4	7	3	5	14
58	332966	Fabricated pipe and pipe fittings.....		8	3	1					
59	332999	Miscellaneous fabricated metal products.....	1		1	2		1	1	1	2
60	333111	Farm machinery and equipment.....	1			1		1			1
61	333112	Lawn and garden equipment.....	2	3	3	5	2	4	2	3	12
62	333120	Construction machinery.....	6	4	3	10	7	9	21	25	74
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....	5	8	8	1		8	5	41	63
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	1					1	2	2	5
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....							200	1	6,146
72	333298	All other industrial machinery.....	148	3		62	3	5	26	9	718
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....			1						
74	333313	Office machinery.....	2	2	1	3	1	3	5	4	6
75	333314	Optical instruments and lenses.....	1	5	1	1		1	3	10	13
76	333315	Photographic and photocopying equipment.....	6	7	4	10	4	13	34	29	41
77	333319	Other commercial and service machinery.....	1	1	1	2	1	2	2	2	5
78	333411	Air purification equipment.....	2	2	1	2	2	3	3	3	9
79	333412	Industrial and commercial fans and blowers.....	2	1	2	1	2	4	3	4	11
80	333415	A/C, refrigeration, and forced air heating equipment.....	2	3	2	5	2	3	3	5	10
81	333511	Industrial molds.....	19	27	30	4	18	22	6	66	140
82	333512	Metal cutting machine tools.....	77	36	38	96	102	137	18	29	129
83	333513	Metal forming machine tools.....	38	16	24	70	38	68	6	10	46
84	333514	Special tools, dies, jigs, and fixtures.....	179	63	79	318	194	312	42	54	220
85	33351A	Rolling mill and other metalworking machinery.....	37	30	51	27	35	71	83	133	
86	333611	Turbine and turbine generator set units.....								2	
87	333618	Other engine equipment.....	2	1	3	7	3	5	1	1	6
88	333911	Pumps and pumping equipment.....	8	7	7	6	10	20	16	20	55
89	333912	Air and gas compressors.....	14	9	6	9	10	19	28	31	69
90	333913	Measuring and dispensing pumps.....	1	1	2	2	2	3	2	2	5
91	333922	Conveyors and conveying equipment.....	17	21	34	12	17	43	28	70	112
92	333923	Overhead cranes, hoists, and monorail systems.....	2	2	3	2	3	5	3	2	9

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Industrial machinery manufacturing	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metalworking machinery manufacturing	Turbine and power transmission equipment manufacturing	Other general purpose machinery manufacturing	Computer and peripheral equipment manufacturing	Audio, video, and communications equipment manufacturing	Semi-conductor and electronic component manufacturing
			3332	3333	3334	3335	3336	3339	3341	334A	3344
93	333924	Industrial trucks, trailers, and stackers	1	3	12	1	4	13	1	8	5
94	333991	Power-driven handtools	7	4	6	7	6	12	15	21	38
95	333992	Welding and soldering equipment	33	15	23	22	23	58	15	18	47
96	333993	Packaging machinery	13	15	16	7	9	25	50	174	155
97	333994	Industrial process furnaces and ovens	3	8	4	3	9	6	1	3	23
98	333996	Fluid power pumps and motors	1	1	1	.....	1	1	.....	.....	.....
99	33399A	Scales, balances, and miscellaneous general purpose machinery	16	9	12	10	15	27	38	38	93
100	334111	Electronic computers	53	61	36	113	41	79	240	218	353
101	334112	Computer storage devices	13	12	6	19	7	18	76	54	76
102	334113	Computer terminals	1	1	1	2	1	1	3	3	5
103	334119	Other computer peripheral equipment	25	23	13	40	14	37	227	90	131
104	334210	Telephone apparatus	6	5	4	8	4	8	22	18	27
105	334220	Broadcast and wireless communications equipment	8	7	4	9	4	11	42	44	51
106	334290	Other communications equipment	1	1	1	2	1	2	5	4	7
107	334300	Audio and video equipment	1	1	1	2	.....	1	1	1	2
108	334510	Electromedical apparatus .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
110	334513	Industrial process variable instruments	13	28	13	4	17	32	25	95	228
111	334514	Totalizing fluid meters and counting devices	1	5	2	.....	3	3	1	3	9
112	334515	Electricity and signal testing instruments	7	8	9	1	25	2	44	95	72
113	334516	Analytical laboratory instruments	22	27	18	3	15	26	63	100	220
114	334517	Irradiation apparatus	1	1	1	.....	1	1	3	3	6
115	334519	Other measuring and controlling devices	7	6	5	1	7	11	24	25	46
116	334613	Magnetic and optical recording media .....	.....	.....	.....	.....	.....	.....	3	1	1
117	335120	Lighting fixtures	2	.....	.....	.....	.....	.....	2	7	6
118	335211	Electric housewares and household fans .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers	1	1	2	.....	1	3	4	9	14
125	335312	Motors and generators	14	6	6	4	11	18	25	25	49
126	335313	Switchgear and switchboard apparatus	3	3	3	1	4	6	16	16	27
127	335314	Relays and industrial controls	2	2	3	1	3	6	2	6	15
128	335911	Storage batteries .....	.....	.....	2	1	.....	2	.....	1	.....
129	335929	Other communication and energy wire .....	.....	.....	.....	.....	.....	.....	1	.....	1
130	335931	Current-carrying wiring devices .....	.....	.....	.....	.....	.....	.....	.....	1	1
131	335999	Miscellaneous electrical equipment	7	5	4	4	5	9	34	52	191
132	336110	Automobiles and light trucks	57	54	43	55	48	40	74	98	87
133	336120	Heavy duty trucks	9	5	4	21	8	7	14	16	21
134	336211	Motor vehicle bodies .....	.....	1	1	1	1	1	.....	1	3
135	336212	Truck trailers	1	.....	.....	2	.....	1	.....	1	6
136	336213	Motor homes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers .....	.....	.....	.....	.....	.....	1	.....	.....	1
138	336360	Motor vehicle seating and interior trim .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
139	336411	Aircraft .....	.....	.....	.....	1	.....	1	.....	.....	.....
140	336412	Aircraft engines and engine parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles .....	.....	.....	.....	.....	.....	.....	.....	3	2
142	336500	Railroad rolling stock	1	1	1	1	1	1	3	3	7
143	336611	Ship building and repairing .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	336612	Boat building .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
145	336991	Motorcycles, bicycles, and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	336999	All other transportation equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	2
147	337110	Wood kitchen cabinets and countertops	1	1	1	.....	.....	1	2	2	3
148	337121	Upholstered household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture	3	2	2	2	3	4	4	7	11
153	337211	Wood office furniture	5	4	2	3	2	6	19	15	22
154	337212	Custom architectural woodwork and millwork .....	.....	.....	.....	.....	.....	1	1	1	1
155	337214	Office furniture, except wood	10	8	5	7	6	17	43	38	56
156	337215	Showcases, partitions, shelving, and lockers	7	7	7	5	5	14	18	26	36
157	337910	Mattresses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades .....	.....	.....	.....	.....	.....	1	1	1	2
159	339111	Laboratory apparatus and furniture	10	6	.....	1	5	12	34	35	62
160	339112	Surgical and medical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161	339113	Surgical appliances and supplies .....	.....	.....	.....	1	.....	1	1	1	2
162	339114	Dental equipment and supplies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing	2	2	1	4	1	5	6	5	8
166	339992	Musical instruments .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products	1	1	2	3	2	3	3	3	7
168	420000	Wholesale trade	106	72	64	125	77	152	245	258	843
169	4A0000	Retail trade	22	21	13	34	17	33	84	75	124
170	481000	Air transportation	6	3	2	9	7	11	10	11	77
171	482000	Rail transportation .....	.....	.....	.....	.....	.....	.....	1	1	10
172	483000	Water transportation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation	3	1	2	2	2	4	6	6	109
174	511200	Software publishers	45	32	40	115	32	71	209	217	275
175	513300	Telecommunications .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services	45	28	30	59	42	71	70	127	637
178	541511	Custom computer programming services	183	157	80	267	139	293	1,477	979	1,490
179	541512	Computer systems design services	8	8	4	11	4	11	34	30	50
180	S00300	Noncomparable imports	2	2	1	3	2	3	12	9	15
Total new equipment, software, and structures			1,740	1,103	973	1,925	1,243	2,292	4,471	4,270	16,284

Table 1. Distribution of New Equipment, Software, and
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Electronic instrument manufacturing	Magnetic media manufacturing and reproducing	Electric lighting equipment manufacturing	Household appliance manufacturing	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing
			3345	3346	3351	3352	3353	3359	3361	336A	3364
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	63	11	2	1	5	29	43	47	78
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....									
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....	2					1	2	2	2
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	6	8	4	3	7	15	9	12	6
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	1,087	56	36	31	119	164	1,033	731	1,578
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	279	48	31	27	40	115	328	236	421
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	7	1	1	1	1	2	4	10	11
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	1	1			1	1	4	5	1
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....	1						2	2	2
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....								1	
50	332313	Plate work.....								1	
51	332322	Sheet metal work.....								1	1
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	2	3	2	3	2	3	5	20	5
54	332420	Metal tanks, heavy gauge.....	10	3	3	5	4	8	26	52	20
55	332430	Metal cans, boxes, and other containers.....	1								
56	332500	Hardware.....	1								
57	332910	Metal valves.....	7	2	4	2	3	6	7	31	17
58	332996	Fabricated pipe and pipe fittings.....							3	5	1
59	332999	Miscellaneous fabricated metal products.....	1				1	1	2	3	2
60	333111	Farm machinery and equipment.....	1							4	2
61	333112	Lawn and garden equipment.....	3	2	1	2	3	5	6	23	8
62	333120	Construction machinery.....	15	9	3	3	4	9	39	68	27
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....	8	43	9	25	19	65		263	19
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	2	4	1	1		1		1	2
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....	2								
72	333298	All other industrial machinery.....	9		1	1	3	109	3	15	11
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	5	2	1	1	2	2	2	6	7
75	333314	Optical instruments and lenses.....	10	2			2	2	2	7	23
76	333315	Photographic and photocopying equipment.....	34	10	2	3	6	7	15	38	63
77	333319	Other commercial and service machinery.....	2		1	1	1	2	2	18	5
78	333411	Air purification equipment.....	5		1	1	2	3	5	12	7
79	333412	Industrial and commercial fans and blowers.....	4	2	1	1	2	3	6	20	9
80	333415	A/C, refrigeration, and forced air heating equipment.....	6	2	1	1	2	3	5	18	9
81	333511	Industrial molds.....	36	80	16	42	67	232		955	62
82	333512	Metal cutting machine tools.....	65	7	11	24	42	48	1,008	1,126	258
83	333513	Metal forming machine tools.....	27	2	6	10	19	27	12	339	134
84	333514	Special tools, dies, jigs, and fixtures.....	165	7	18	23	66	79	887	976	735
85	33351A	Rolling mill and other metalworking machinery.....	108	15	30	40	63	57	186	442	139
86	333611	Turbine and turbine generator set units.....								2	
87	333618	Other engine equipment.....	2					3		2	6
88	333911	Pumps and pumping equipment.....	30	3	10	4	7	16	12	97	39
89	333912	Air and gas compressors.....	39	4	3	3	11	12	143	64	72
90	333913	Measuring and dispensing pumps.....	1		3	1	1	3	5	4	2
91	333922	Conveyors and conveying equipment.....	48	14	22	29	35	43	141	348	77
92	333923	Overhead cranes, hoists, and monorail systems.....	4		3	1	2	4	5	63	29

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Electronic instrument manufacturing	Magnetic media manufacturing and reproducing	Electric lighting equipment manufacturing	Household appliance manufacturing	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing
			3345	3346	3351	3352	3353	3359	3361	336A	336A
93	333924	Industrial trucks, trailers, and stackers	1	5	9	12	6	12	172	119	8
94	333991	Power-driven handtools	19	2	4	2	8	7	170	50	33
95	333992	Welding and soldering equipment	36	3	10	15	18	20	74	172	76
96	333993	Packaging machinery	68	11	11	10	31	36	23	133	76
97	333994	Industrial process furnaces and ovens	5				2	3	20	47	17
98	333996	Fluid power pumps and motors			1	1	1	1	1	5	
99	33399A	Scales, balances, and miscellaneous general purpose machinery	45	5	4	6	15	18	160	126	65
100	334111	Electronic computers	222	67	19	23	67	70	117	355	325
101	334112	Computer storage devices	62	17	4	5	10	13	26	70	104
102	334113	Computer terminals	3	2			1	1	1	6	4
103	334119	Other computer peripheral equipment	114	21	5	8	19	22	86	129	189
104	334210	Telephone apparatus	21	6	2	2	5	6	8	28	33
105	334220	Broadcast and wireless communications equipment	42	14	2	3	6	7	17	39	143
106	334290	Other communications equipment	6	2			1	1	2	6	9
107	334300	Audio and video equipment	2				1	1	1	3	2
108	334510	Electromedical apparatus									
109	334511	Search, detection, and navigation instruments									5
110	334513	Industrial process variable instruments	57	12	17	10	35	48	68	164	72
111	334514	Totalizing fluid meters and counting devices	6	3	3	3	3	8	2	19	5
112	334515	Electricity and signal testing instruments	34	14	15	8	17	17	73	52	46
113	334516	Analytical laboratory instruments	127	14	6	9	24	29	71	168	272
114	334517	Irradiation apparatus	7				1	1	2	4	16
115	334519	Other measuring and controlling devices	29	4	2	3	7	7	23	43	48
116	334613	Magnetic and optical recording media	1								1
117	335120	Lighting fixtures	1				2			4	8
118	335211	Electric housewares and household fans									
119	335212	Household vacuum cleaners									
120	335221	Household cooking appliances									
121	335222	Household refrigerators and home freezers									
122	335224	Household laundry equipment									
123	335228	Other major household appliances									
124	335311	Electric power and specialty transformers	6		1	1	3	3	3	9	4
125	335312	Motors and generators	33	3	3	3	9	8	22	55	49
126	335313	Switchgear and switchboard apparatus	16	2	3	1	5	5	7	25	17
127	335314	Relays and industrial controls	5	2	2	2	3	6	12	50	9
128	335911	Storage batteries			1	1	1	2	3	13	1
129	335929	Other communication and energy wire	1							1	1
130	335931	Current-carrying wiring Devices									1
131	335999	Miscellaneous electrical equipment	41	5	2	2	11	11	16	46	59
132	336110	Automobiles and light trucks	44	45	31	36	46	63	134	204	49
133	336120	Heavy duty trucks	10	3	3	2	7	7	7	27	21
134	336211	Motor vehicle bodies			1	1	1	1	2	6	2
135	336212	Truck trailers	1		1		1	1	2	7	7
136	336213	Motor homes									
137	336214	Travel trailers and campers	1							1	1
138	336360	Motor vehicle seating and interior trim									4
139	336411	Aircraft	1				2			1	290
140	336412	Aircraft engines and engine parts									8
141	336414	Guided missiles and space vehicles	2								5
142	336500	Railroad rolling stock	2	2			1	1	4	6	39
143	336611	Ship building and repairing									
144	336612	Boat building									
145	336991	Motorcycles, bicycles, and parts									
146	336999	All other transportation equipment	4					2	1	2	1
147	337110	Wood kitchen cabinets and countertops	2				1	1	1	2	3
148	337121	Upholstered household furniture									
149	337122	Nonupholstered wood household furniture									
150	337124	Metal household furniture									
151	337125	Household furniture, except wood and metal									
152	337127	Institutional furniture	5	3	2	1	2	3	7	25	21
153	337211	Wood office furniture	19	5	2	2	3	5	9	19	31
154	337212	Custom architectural woodwork and millwork	1							1	1
155	337214	Office furniture, except wood	45	10	2	3	8	9	19	48	75
156	337215	Showcases, partitions, shelving, and lockers	23	6	6	7	9	10	29	60	33
157	337910	Mattresses									
158	337920	Blinds and shades	1								
159	339111	Laboratory apparatus and furniture	47	3	1	2	7	6	33	46	76
160	339112	Surgical and medical instruments	1						1		
161	339113	Surgical appliances and supplies	1						1	1	2
162	339114	Dental equipment and supplies									
163	339920	Sporting and athletic goods									
164	339942	Lead pencils and art goods									
165	339950	Sign manufacturing	7	2	1	1	2	2	2	9	6
166	339992	Musical instruments									
167	339999	All other miscellaneous manufactured products	3	2	1	1	2	3	5	12	7
168	420000	Wholesale trade	252	64	32	46	84	144	499	860	496
169	4A0000	Retail trade	74	18	8	10	25	30	154	150	128
170	481000	Air transportation	10	2		1	5	8	61	91	35
171	482000	Rail transportation							4	6	1
172	483000	Water transportation									
173	484000	Truck transportation	7	1				4	29	59	24
174	511200	Software publishers	200	41	10	10	29	41	288	403	321
175	513300	Telecommunications									
176	531210	Offices of real estate agents and brokers									
177	541330	Engineering services	92	17	16	17	38	60	172	435	205
178	541511	Custom computer programming services	1,165	244	45	51	148	171	553	1,168	2,037
179	541512	Computer systems design services	34	8	2	2	8	9	12	40	58
180	S00300	Noncomparable imports	10	2	1	1	2	3	5	14	18
Total new equipment, software, and structures			5,173	1,033	519	616	1,288	2,027	7,169	11,741	9,613

Table 1. Distribution of New Equipment, Software, and
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade	Retail trade	Air transportation	Rail transportation	Water transportation
			Industry code	336B	3370	3391	3399	4200	4A00	4810	4820	4830
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	9	15	14	12	3,107	5,691			
13	233524	New garages and service stations construction.....						1,176			
14	233525	Other new nonfarm buildings construction.....							640		
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....								667	
20	233533	New electric utility construction.....		1							
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	4	20	3	6	155	26,276	101	31	
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....							497		
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	142	255	235	227					
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....								3,838	
40	233722	New office building construction.....	42	67	63	77	1,277	913	94	176	
41	313290	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	1	3	4	4	141	333	20	2	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....		5		1	1	42			
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....		1		3					
48	332212	Hand and edge tools.....		12		2	2				
49	332213	Saw blades and handsaws.....	1	8		2	2	2		1	
50	332313	Plate work.....		1		1	1				
51	332322	Sheet metal work.....				2	1	29			
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	2	13	4	6	273	239	2		38
54	332420	Metal tanks, heavy gauge.....	10	14	12	14	103	126	33	8	10
55	332430	Metal cans, boxes, and other containers.....					10	10		2	3
56	332500	Hardware.....					14	24			
57	332910	Metal valves.....	6	8	6	7	41	18	28	1	2
58	332996	Fabricated pipe and pipe fittings.....	4			3				1	
59	332999	Miscellaneous fabricated metal products.....	2	1	1	2	31	85	1	1	
60	333111	Farm machinery and equipment.....		1	1	1	8	19	8	21	3
61	333112	Lawn and garden equipment.....	2	8	5	7	99	126	30	28	12
62	333120	Construction machinery.....	12	11	10	11	263	182	19	40	34
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....	3	302		36	1	4			
66	333220	Plastics and rubber industry machinery.....	9	25	36	157					
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....		1	1	4	13	9	2		
70	333294	Food product machinery.....					50	47			1
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	3	29	3	3				1	
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....					151	284			
74	333313	Office machinery.....	2	3	3	4	200	335	14	2	1
75	333314	Optical instruments and lenses.....	2		37	6	53	23	3	3	
76	333315	Photographic and photocopying equipment.....	7	9	13	10	396	510	86	9	4
77	333319	Other commercial and service machinery.....	2	3	2	4	149	719	35	9	2
78	333411	Air purification equipment.....	3	8	3	4	5	8	9	3	1
79	333412	Industrial and commercial fans and blowers.....	3	8	5	5	47	38	12	4	2
80	333415	A/C, refrigeration, and forced air heating equipment.....	2	5	6	4	124	475	76	3	3
81	333511	Industrial molds.....	22	74	94	222					
82	333512	Metal cutting machine tools.....	47	52	54	94	170	100	35	42	1
83	333513	Metal forming machine tools.....	21	20	26	32	52	2		31	
84	333514	Special tools, dies, jigs, and fixtures.....	142	30	105	66	202	11	1	148	
85	33351A	Rolling mill and other metalworking machinery.....	65	73	77	85	195				
86	333611	Turbine and turbine generator set units.....					4				
87	333618	Other engine equipment.....	3	4	3	4	48	19	5	23	14
88	333911	Pumps and pumping equipment.....	19	19	19	20	40	16	7	7	2
89	333912	Air and gas compressors.....	20	9	14	12	174	207	33	18	7
90	333913	Measuring and dispensing pumps.....	3	3	3	3	69	215	29	20	11
91	333922	Conveyors and conveying equipment.....	55	88	64	84	179	107	361	22	50
92	333923	Overhead cranes, hoists, and monorail systems.....	9	4	4	4	126	109	58	11	9

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade	Retail trade	Air transportation	Rail transportation	Water transportation
			336B	3370	3391	3399	4200	4A00	4810	4820	4830
93	333924	Industrial trucks, trailers, and stackers	16	28	8	17	487	192	480	33	48
94	333991	Power-driven handtools	10	15	7	11	82	60	14	18	4
95	333992	Welding and soldering equipment	44	34	30	33	152	42	7	35	2
96	333993	Packaging machinery	12	25	34	33	292				
97	333994	Industrial process furnaces and ovens	8		4	13	13	2			
98	333996	Fluid power pumps and motors	1	1	1	1	13	9	32	1	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery	12	15	19	20	53	86	61	9	1
100	334111	Electronic computers	62	61	109	87	1,093	1,503	446	152	58
101	334112	Computer storage devices	14	16	24	20	498	709	115	30	11
102	334113	Computer terminals	1	2	2	2	35	82	4	1	2
103	334119	Other computer peripheral equipment	22	28	48	34	842	1,602	314	29	20
104	334210	Telephone apparatus	6	7	10	9	1,648	1,362	430	107	25
105	334220	Broadcast and wireless communications equipment	9	6	13	10	134	344	408	85	73
106	334290	Other communications equipment	1	1	2	2	53	89	4	3	
107	334300	Audio and video equipment	1	2	2	2	48	47	2	1	1
108	334510	Electromedical apparatus									
109	334511	Search, detection, and navigation instruments					1		8,203		1,706
110	334513	Industrial process variable instruments	22								
111	334514	Totalizing fluid meters and counting devices	3	9	3	10	40	39	3	3	2
112	334515	Electricity and signal testing instruments	40	7	27	2	19		40	26	10
113	334516	Analytical laboratory instruments	19	17	54	25	10				
114	334517	Irradiation apparatus	1	1	33	1	7		84		
115	334519	Other measuring and controlling devices	9	7	12	10	83	11	7	10	2
116	334613	Magnetic and optical recording media					9	5	1		
117	335120	Lighting fixtures	2				79	25	2	4	
118	335211	Electric housewares and household fans						1			
119	335212	Household vacuum cleaners					2	2			
120	335221	Household cooking appliances									
121	335222	Household refrigerators and home freezers						9			
122	335224	Household laundry equipment									
123	335228	Other major household appliances									
124	335311	Electric power and specialty transformers	2	2	3	2	7	11	3		
125	335312	Motors and generators	11	6	10	7	28	17	56	11	7
126	335313	Switchgear and switchboard apparatus	5	5	5	5	50	23	7	7	3
127	335314	Relays and industrial controls	10	11	6	10	89	41	3	8	10
128	335911	Storage batteries	1	3	1	2	11	18	2	1	
129	335929	Other communication and energy wire		1							
130	335931	Current-carrying wiring Devices					1			1	
131	335999	Miscellaneous electrical equipment	12	5	7	9	85	146	19	28	1
132	336110	Automobiles and light trucks	62	88	19	39	6,650	5,789	651	70	113
133	336120	Heavy duty trucks	7	18	13	13	863	357	584	119	2
134	336211	Motor vehicle bodies	2	6	3	3	310	135	27	21	8
135	336212	Truck trailers	3	11	4	5	691	253	38	9	
136	336213	Motor homes									
137	336214	Travel trailers and campers		1		1	50	139	1		
138	336360	Motor vehicle seating and interior trim							343		
139	336411	Aircraft			3	1	17	4	11,851		
140	336412	Aircraft engines and engine parts							391		
141	336414	Guided missiles and space vehicles							1		
142	336500	Railroad rolling stock	1	1	1	2				4,343	
143	336611	Ship building and repairing	3								1,212
144	336612	Boat building	2								344
145	336991	Motorcycles, bicycles, and parts									
146	336999	All other transportation equipment	1	2	2	1	13	3	6		
147	337110	Wood kitchen cabinets and countertops	1	1	1	1	44	105	3		
148	337121	Upholstered household furniture									
149	337122	Nonupholstered wood household furniture									
150	337124	Metal household furniture									
151	337125	Household furniture, except wood and metal							1		
152	337127	Institutional furniture	4	3	4	5	173	261	79	17	10
153	337211	Wood office furniture	4	5	8	8	90	41	39	7	1
154	337212	Custom architectural woodwork and millwork		1	1	1	19	45	1		
155	337214	Office furniture, except wood	8	12	20	17	541	620	114	13	7
156	337215	Showcases, partitions, shelving, and lockers	13	23	19	22	564	2,047	41	6	9
157	337910	Mattresses									
158	337920	Blinds and shades		1	1	1	27	63	2		
159	339111	Laboratory apparatus and furniture	8	4	12	5	26				
160	339112	Surgical and medical instruments			5		8		1		
161	339113	Surgical appliances and supplies		1	1	1		41	2		
162	339114	Dental equipment and supplies									
163	339920	Sporting and athletic goods							1		
164	339942	Lead pencils and art goods									
165	339950	Sign manufacturing	2	5	5	5	359	2,613	24	4	4
166	339992	Musical instruments									
167	339999	All other miscellaneous manufactured products		4	3	4	61	98	10	3	1
168	420000	Wholesale trade	107	186	152	173	2,426	2,651	2,032	274	304
169	4A0000	Retail trade	26	46	35	36	1,088	1,421	224	73	116
170	481000	Air transportation	6	6	8	10	105	178	160	22	21
171	482000	Rail transportation		1			91	94	25	34	2
172	483000	Water transportation						1			
173	484000	Truck transportation	4	7	3	5	262	491	70	32	12
174	511200	Software publishers	51	40	69	86	1,684	1,071	557	131	54
175	513300	Telecommunications									
176	531210	Offices of real estate agents and brokers									
177	541330	Engineering services	54	60	58	68	563	1,076	1,062	291	101
178	541511	Custom computer programming services	170	90	275	135	2,011	740	1,400	178	115
179	541512	Computer systems design services	6	8	12	10	260	292	83	13	4
180	S00300	Noncomparable imports	2	2	4	2	51	40	31	4	1
		Total new equipment, software, and structures	1,584	2,161	2,145	2,285	32,991	65,676	32,840	11,440	4,639

Table 1. Distribution of New Equipment, Software, and

(Millions)

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Scenic and sightseeing transportation and support activities for transportation	Couriers and messengers	Warehousing and storage	Newspaper, book, and directory publishers	Software publishers	Motion picture and sound recording industries
			4840	4850	4860	48A0	4920	4930	5111	5112	5120
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....	18					37	283		110
13	233524	New garages and service stations construction.....	142	114			112				
14	233525	Other new nonfarm buildings construction.....									54
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....				220					568
20	233533	New electric utility construction.....							5		
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....			826						
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	71	29	1,070	13	81	25	22	41	38
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....	1,193					147			
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	53	27	1,512	64	61	29	256	440	270
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	11	4	1	2	5	6	15	5	11
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....									
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....						1	19	1	4
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	3	1	12	14	10	5	10		2
54	332420	Metal tanks, heavy gauge.....	18	6	17	19	27	10	7	1	2
55	332430	Metal cans, boxes, and other containers.....	7			2	4	1			
56	332500	Hardware.....	1		1	1		1	1		
57	332910	Metal valves.....	7	1	13	11	14	3	5		1
58	332966	Fabricated pipe and pipe fittings.....			9						
59	332969	Miscellaneous fabricated metal products.....	5			2	2	3	1		1
60	333111	Farm machinery and equipment.....	13	4	3	2	5	4	1		1
61	333112	Lawn and garden equipment.....	33	7	8	22	7	13	8	1	6
62	333120	Construction machinery.....	15	3	26	5	5	3	1		
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....				1		2	338	9	4
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....	1								
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....				1		5			
74	333313	Office machinery.....	14	3	2	6	14	9	23	5	6
75	333314	Optical instruments and lenses.....			4		2	1	10	1	17
76	333315	Photographic and photocopying equipment.....	45	8	7	15	19	16	109	26	158
77	333319	Other commercial and service machinery.....	55	19	2	28	15	9	6	1	10
78	333411	Air purification equipment.....			2	2			1		1
79	333412	Industrial and commercial fans and blowers.....	32	8		5	10	3	5	1	2
80	333415	A/C, refrigeration, and forced air heating equipment.....	11	3		9	3	9	10	3	27
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....	42	8		5					
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....	1			7			12		
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....	1								
87	333618	Other engine equipment.....	56	54	6	12	15	7	3		
88	333911	Pumps and pumping equipment.....	43	10	2	4	11	3	2	1	
89	333912	Air and gas compressors.....	58	15	20	27	24	4	14	2	5
90	333913	Measuring and dispensing pumps.....	28	3	3	2	26	1	3		1
91	333922	Conveyors and conveying equipment.....	130			35	49	50	60		
92	333923	Overhead cranes, hoists, and monorail systems.....	58	12	12	25	26	3	3		

Structures to Using Industries, I-O Commodities, 1997—Continued
of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Scenic and sightseeing transportation and support activities for transportation	Couriers and messengers	Warehousing and storage	Newspaper, book, and directory publishers	Software publishers	Motion picture and sound recording industries
			4840	4850	4860	48A0	4920	4930	5111	5112	5120
Industry code			4840	4850	4860	48A0	4920	4930	5111	5112	5120
93	333924	Industrial trucks, trailers, and stackers	489	25	3	68	66	139	24	.....	6
94	333991	Power-driven handtools.....	16	3	5	8	6	2	2	1	1
95	333992	Welding and soldering equipment.....	44	8	2	.....	7	.....	6	.....	.....
96	333993	Packaging machinery.....	.....	.....	.....	.....	8	41	64	.....	.....
97	333994	Industrial process furnaces and ovens.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
98	333996	Fluid power pumps and motors.....	11	1	.....	1	3	1	1	.....	1
99	33399A	Scales, balances, and miscellaneous general purpose machinery.....	55	.....	11	11	8	4	19	.....	.....
100	334111	Electronic computers.....	255	75	148	153	133	55	249	256	76
101	334112	Computer storage devices.....	98	15	14	41	35	26	76	78	26
102	334113	Computer terminals.....	4	1	.....	3	1	2	4	2	2
103	334119	Other computer peripheral equipment.....	114	29	83	72	61	47	133	76	54
104	334210	Telephone apparatus.....	314	98	139	82	97	53	98	295	80
105	334220	Broadcast and wireless communications equipment.....	308	141	21	109	143	21	108	32	242
106	334290	Other communications equipment.....	4	2	.....	2	2	1	6	4	4
107	334300	Audio and video equipment.....	9	1	.....	3	2	2	4	2	6
108	334510	Electromedical apparatus.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	334511	Search, detection, and navigation instruments.....	.....	.....	1,129	25	4	.....	.....	.....	.....
110	334513	Industrial process variable instruments.....	.....	.....	73	.....	.....	.....	.....	.....	.....
111	334514	Totalizing fluid meters and counting devices.....	34	8	13	3	8	3	2	.....	.....
112	334515	Electricity and signal testing instruments.....	16	11	17	10	8	1	9	5	15
113	334516	Analytical laboratory instruments.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
114	334517	Irradiation apparatus.....	2	.....	6	8	13	1	.....	.....	.....
115	334519	Other measuring and controlling devices.....	14	2	7	2	1	1	1	1	1
116	334613	Magnetic and optical recording media.....	1	.....	.....	.....	.....	.....	1	4	.....
117	335120	Lighting fixtures.....	1	.....	.....	5	2	.....	1	2	.....
118	335211	Electric housewares and household fans.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	335212	Household vacuum cleaners.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120	335221	Household cooking appliances.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
121	335222	Household refrigerators and home freezers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	335224	Household laundry equipment.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	335228	Other major household appliances.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	335311	Electric power and specialty transformers.....	2	4	2	1	1	1	1	.....	.....
125	335312	Motors and generators.....	12	3	6	6	3	1	4	.....	2
126	335313	Switchgear and switchboard apparatus.....	16	3	10	7	7	4	5	.....	1
127	335314	Relays and industrial controls.....	43	6	.....	9	10	5	6	.....	3
128	335911	Storage batteries.....	89	.....	.....	4	20	14	1	.....	1
129	335929	Other communication and energy wire.....	1	1	.....	1	.....	1	1	1	1
130	335931	Current-carrying wiring Devices.....	.....	.....	.....	1	.....	.....	.....	.....	.....
131	335999	Miscellaneous electrical equipment.....	9	3	7	10	7	4	9	5	30
132	336110	Automobiles and light trucks.....	1,401	550	415	387	1,859	161	423	124	392
133	336120	Heavy duty trucks.....	4,033	928	18	207	200	8	2	.....	1
134	336211	Motor vehicle bodies.....	852	30	.....	24	145	15	18	.....	1
135	336212	Truck trailers.....	1,827	.....	.....	40	293	20	31	.....	1
136	336213	Motor homes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	336214	Travel trailers and campers.....	2	.....	.....	2	120	3	7	.....	3
138	336360	Motor vehicle seating and interior trim.....	.....	.....	.....	6	2	.....	.....	.....	.....
139	336411	Aircraft.....	.....	.....	.....	128	282	5	1	2	.....
140	336412	Aircraft engines and engine parts.....	.....	.....	.....	12	4	.....	.....	.....	.....
141	336414	Guided missiles and space vehicles.....	.....	.....	.....	.....	1	.....	.....	.....	.....
142	336500	Railroad rolling stock.....	.....	83	.....	.....	.....	.....	.....	.....	.....
143	336611	Ship building and repairing.....	.....	.....	.....	31	.....	.....	.....	.....	1
144	336612	Boat building.....	.....	.....	.....	27	.....	.....	.....	.....	1
145	336991	Motorcycles, bicycles, and parts.....	.....	.....	.....	1	66	.....	.....	.....	.....
146	336999	All other transportation equipment.....	2	.....	14	17	.....	15	.....	.....	.....
147	337110	Wood kitchen cabinets and countertops.....	3	1	.....	2	1	2	4	2	3
148	337121	Upholstered household furniture.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	337122	Nonupholstered wood household furniture.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	337124	Metal household furniture.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	337125	Household furniture, except wood and metal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	337127	Institutional furniture.....	34	7	7	20	17	6	47	4	105
153	337211	Wood office furniture.....	30	4	4	14	12	10	32	15	18
154	337212	Custom architectural woodwork and millwork.....	1	.....	.....	1	1	1	1	1	1
155	337214	Office furniture, except wood.....	64	20	9	29	28	20	69	38	38
156	337215	Showcases, partitions, shelving, and lockers.....	43	6	2	20	19	40	39	14	23
157	337910	Mattresses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	337920	Blinds and shades.....	2	1	.....	1	1	1	2	1	2
159	339111	Laboratory apparatus and furniture.....	.....	.....	2	.....	.....	.....	.....	.....	.....
160	339112	Surgical and medical instruments.....	.....	.....	.....	.....	1	.....	.....	.....	1
161	339113	Surgical appliances and supplies.....	2	2	.....	.....	1	.....	.....	.....	.....
162	339114	Dental equipment and supplies.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	339920	Sporting and athletic goods.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	339942	Lead pencils and art goods.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	339950	Sign manufacturing.....	14	2	2	10	4	23	29	8	28
166	339992	Musical instruments.....	.....	.....	.....	7	.....	.....	.....	.....	.....
167	339999	All other miscellaneous manufactured products.....	24	5	.....	.....	7	3	7	2	3
168	420000	Wholesale trade.....	1,436	249	276	236	404	148	366	162	199
169	4A0000	Retail trade.....	219	60	66	99	193	51	131	64	107
170	481000	Air transportation.....	21	1	15	3	6	3	14	6	4
171	482000	Rail transportation.....	83	13	3	6	24	4	4	1	3
172	483000	Water transportation.....	2	.....	.....	.....	.....	.....	.....	.....	.....
173	484000	Truck transportation.....	140	21	9	15	40	11	19	4	13
174	511200	Software publishers.....	79	42	205	180	648	38	189	331	132
175	513300	Telecommunications.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
176	531210	Offices of real estate agents and brokers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
177	541330	Engineering services.....	170	43	20	40	46	38	77	29	53
178	541511	Custom computer programming services.....	185	87	252	168	213	58	394	1,281	108
179	541512	Computer systems design services.....	30	8	6	17	14	9	30	26	11
180	S00300	Noncomparable imports.....	7	2	2	4	3	1	6	8	2
Total new equipment, software, and structures.....			14,832	2,944	6,580	2,960	5,858	1,534	4,010	3,425	3,105

Table 1. Distribution of New Equipment, Software, and
[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Radio and television broadcasting	Cable networks and program distribution	Telecommunications	Information services	Data processing services	Monetary authorities, credit intermediation and related activities	Securities, commodity contracts, investments	Insurance carriers and related activities	Funds, trusts, and other financial vehicles
			5131	5132	5133	5141	5142	52A0	5230	5240	5250
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....									
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....	902	1,606							
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....			457						
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	17	14	28	20	39	589	103	83	17
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....			851						
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....		3,294	7,077						
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	181	1,178	1,893	126	287	8,674	1,324	2,291	1,482
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	6	4	34	5	5	98	31	72	1
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....								6	
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....	1		1			2			
48	332212	Hand and edge tools.....									
49	332213	Saw blades and handsaws.....									
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....					1	2			
54	332420	Metal tanks, heavy gauge.....	1	6	28		1	6	1	4	
55	332430	Metal cans, boxes, and other containers.....									
56	332500	Hardware.....			1			34	3	6	
57	332910	Metal valves.....	1	1	7			5	1	4	
58	332996	Fabricated pipe and pipe fittings.....			1						
59	332999	Miscellaneous fabricated metal products.....		3	20			2		1	
60	333111	Farm machinery and equipment.....	3	1	15	1		18	4	7	
61	333112	Lawn and garden equipment.....	5	4	47	2	1	76	9	40	1
62	333120	Construction machinery.....		106	262	1					
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	32	3	7	16	8	27	4	9	
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....									
74	333313	Office machinery.....	5	7	115	3	7	177	40	89	1
75	333314	Optical instruments and lenses.....	17	4	7	2	1		1	2	
76	333315	Photographic and photocopying equipment.....	113	25	135	21	22	490	97	317	3
77	333319	Other commercial and service machinery.....	2	2	21	2	2	43	8	28	1
78	333411	Air purification equipment.....						3		2	
79	333412	Industrial and commercial fans and blowers.....		2	12		1	2		1	
80	333415	A/C, refrigeration, and forced air heating equipment.....	3	3	28	6	3	41	20	36	1
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....			3						
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....									
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....				3		4	4	4	
87	333618	Other engine equipment.....		14	35	1		3	1	1	
88	333911	Pumps and pumping equipment.....	1		5		1	3	1	2	
89	333912	Air and gas compressors.....	2	3	25	1	2	2	1	2	
90	333913	Measuring and dispensing pumps.....			1						
91	333922	Conveyors and conveying equipment.....									
92	333923	Overhead cranes, hoists, and monorail systems.....			81						

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Radio and television broadcasting	Cable networks and program distribution	Telecommunications	Information services	Data processing services	Monetary authorities, credit intermediation and related activities	Securities, commodity contracts, investments	Insurance carriers and related activities	Funds, trusts, and other financial vehicles
			5131	5132	5133	5141	5142	52A0	5230	5240	5250
93	333924	Industrial trucks, trailers, and stackers			8						
94	333991	Power-driven handtools	1	11	64		1	2	1	1	
95	333992	Welding and soldering equipment									
96	333993	Packaging machinery						2			
97	333994	Industrial process furnaces and ovens									
98	333996	Fluid power pumps and motors			1						
99	33399A	Scales, balances, and miscellaneous general purpose machinery									
100	334111	Electronic computers	102	642	1,930	89	156	4,585	1,625	1,641	21
101	334112	Computer storage devices	23	44	668	29	68	779	402	467	6
102	334113	Computer terminals	12	2	11	1	1	51	62	17	
103	334119	Other computer peripheral equipment	58	197	821	34	69	2,920	324	576	56
104	334210	Telephone apparatus	324	1,061	16,516	131	321	235	76	179	2
105	334220	Broadcast and wireless communications equipment	1,500	6,095	6,882	17	20	171	122	90	2
106	334290	Other communications equipment	4	1	20	2	3	55	18	34	1
107	334300	Audio and video equipment	2	3	12	2	1	35	9	19	
108	334510	Electromedical apparatus									
109	334511	Search, detection, and navigation instruments									
110	334513	Industrial process variable instruments									
111	334514	Totalizing fluid meters and counting devices									
112	334515	Electricity and signal testing instruments	6	168	857	3	11	20	9	7	1
113	334516	Analytical laboratory instruments			128						
114	334517	Irradiation apparatus			3		1		1	3	
115	334519	Other measuring and controlling devices	2	4	61	1	1	2		2	
116	334613	Magnetic and optical recording media	1		4	1	1	7	1	6	
117	335120	Lighting fixtures	2	3	184		1	2		1	
118	335211	Electric housewares and household fans								1	
119	335212	Household vacuum cleaners						2			
120	335221	Household cooking appliances									
121	335222	Household refrigerators and home freezers									
122	335224	Household laundry equipment									
123	335228	Other major household appliances									
124	335311	Electric power and specialty transformers			16			6	1	2	
125	335312	Motors and generators		1	20			2			
126	335313	Switchgear and switchboard apparatus	3	5	82		3	3	1	1	
127	335314	Relays and industrial controls									
128	335911	Storage batteries			1						
129	335929	Other communication and energy wire	1		167		1	6	4	4	
130	335931	Current-carrying wiring Devices			27						
131	335999	Miscellaneous electrical equipment	6	68	661	2	7	21	10	19	
132	336110	Automobiles and light trucks	336	266	3,471	87	93	1,189	455	2,477	16
133	336120	Heavy duty trucks	4	11	355			2		1	
134	336211	Motor vehicle bodies			1			2			
135	336212	Truck trailers		1	6			2			
136	336213	Motor homes									
137	336214	Travel trailers and campers	4	1	7						
138	336360	Motor vehicle seating and interior trim									
139	336411	Aircraft			14		1		7	17	1
140	336412	Aircraft engines and engine parts								1	
141	336414	Guided missiles and space vehicles									
142	336500	Railroad rolling stock									
143	336611	Ship building and repairing									
144	336612	Boat building						9			
145	336991	Motorcycles, bicycles, and parts									
146	336999	All other transportation equipment			2			2	1		
147	337110	Wood kitchen cabinets and countertops	2	1	11	1	1	29	10	21	
148	337121	Upholstered household furniture									
149	337122	Nonupholstered wood household furniture									
150	337124	Metal household furniture									
151	337125	Household furniture, except wood and metal									
152	337127	Institutional furniture	53	32	158	4	2	24	7	15	
153	337211	Wood office furniture	17	9	393	62	12	260	82	169	1
154	337212	Custom architectural woodwork and millwork	1	1	6	1	1	13	4	12	
155	337214	Office furniture, except wood	42	21	188	24	30	563	177	368	5
156	337215	Showcases, partitions, shelving, and lockers	16	10	84	9	9	229	67	154	1
157	337910	Mattresses									
158	337920	Blinds and shades	1		6		1	16	5	14	
159	339111	Laboratory apparatus and furniture			47						
160	339112	Surgical and medical instruments				2				48	1
161	339113	Surgical appliances and supplies									
162	339114	Dental equipment and supplies									
163	339920	Sporting and athletic goods			1	22		2			
164	339942	Lead pencils and art goods									
165	339950	Sign manufacturing	10	16	86	4	5	219	187	254	2
166	339992	Musical instruments						6			
167	339999	All other miscellaneous manufactured products	2	2	15	1	2	39	7	17	
168	420000	Wholesale trade	343	1,089	3,922	96	129	2,470	683	1,062	27
169	4A0000	Retail trade	85	138	950	46	49	1,249	335	616	12
170	481000	Air transportation	11	40	171	2	4	126	39	49	1
171	482000	Rail transportation	3	2	35	1	1	18	4	24	
172	483000	Water transportation									
173	484000	Truck transportation	11	21	164	1	2	86	34	75	
174	511200	Software publishers	235	442	2,977	53	255	3,403	320	790	154
175	513300	Telecommunications			5,532						
176	531210	Offices of real estate agents and brokers									
177	541330	Engineering services	155	661	2,361	19	25	332	93	135	1
178	541511	Custom computer programming services	218	156	3,341	334	779	3,215	1,028	3,597	36
179	541512	Computer systems design services	11	17	141	11	23	309	101	186	2
180	S00300	Noncomparable imports	4	4	44	3	6	74	20	58	1
		Total new equipment, software, and structures	4,903	17,526	64,833	1,302	2,477	33,095	7,985	16,237	1,857

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Real estate (and owner occupied dwellings)	Automotive equipment rental and leasing	Consumer goods and general rental centers	Machinery and equipment rental and leasing	Lessors of nonfinancial intangible assets	Legal services	Accounting and book-keeping services	Architectural and engineering services	Specialized design services
			5310	5321	532A	5324	5330	5411	5412	5413	5414
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....	172,282								
6	233512	New residential 2-4 unit nonfarm construction.....	4,495								
7	233513	New residential garden apartments construction.....	14,360								
8	233514	New high-rise apartments construction.....	4,028								
9	233515	New nonfarm residential additions and alterations.....	53,349								
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....									
13	233524	New garages and service stations construction.....		83							
14	233525	Other new nonfarm buildings construction.....						16	13		5
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....									
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....	566								
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	244	5	404	41	10	214	41	14	40
27	233551	New farm housing units and additions and alterations.....	5,429								
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....	721								
33	233621	New industrial plants construction.....									
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....	22,093								
38	233703	Farm residential maintenance and repair and major replacement.....	1,402								
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	2,294	41	73	174	90	192	364	683	130
41	313230	Nonwoven fabric mills.....	1								
42	314110	Carpet and rug mills.....	865	5	23	4	1	32	19	31	5
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....	9,557		1	2					
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....	25								
47	326290	Other rubber products.....	37						1		19
48	332212	Hand and edge tools.....	2								
49	332213	Saw blades and handsaws.....	2							1	
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	1	6	9	3			1	2	2
54	332420	Metal tanks, heavy gauge.....	36	11	8	4		1	2	29	
55	332430	Metal cans, boxes, and other containers.....			2	1					
56	332500	Hardware.....	6		2			10	5	1	
57	332910	Metal valves.....	67		5	3		1	1	6	
58	332996	Fabricated pipe and pipe fittings.....	1							1	
59	332999	Miscellaneous fabricated metal products.....	3		2				2	2	
60	333111	Farm machinery and equipment.....	194		9	2	1	7	2	5	2
61	333112	Lawn and garden equipment.....	1,164	2	37	14	1	12	5	36	3
62	333120	Construction machinery.....			21	9	1		2	24	
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....						1			
70	333294	Food product machinery.....							2	81	385
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....			54	12					
74	333313	Office machinery.....	45	13	57	4	1	18	22	23	4
75	333314	Optical instruments and lenses.....			2	1		1	6	238	3
76	333315	Photographic and photocopying equipment.....	142	5	30	9	3	222	100	166	22
77	333319	Other commercial and service machinery.....	169	58	14	2	1	17	6	8	2
78	333411	Air purification equipment.....						1	1	2	
79	333412	Industrial and commercial fans and blowers.....	13	2	4	1			1	6	2
80	333415	A/C, refrigeration, and forced air heating equipment.....	33	7	27	3	1	18	6	34	3
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....		18		5					
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....				6					
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....									
87	333618	Other engine equipment.....		4	8	4		1	1	6	
88	333911	Pumps and pumping equipment.....		2	3	1			1	18	
89	333912	Air and gas compressors.....		32	11	6		1	2	69	13
90	333913	Measuring and dispensing pumps.....		7	5	3				1	
91	333922	Conveyors and conveying equipment.....									
92	333923	Overhead cranes, hoists, and monorail systems.....		26		7				8	

Structures to Using Industries, I-O Commodities, 1997—Continued
 of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Real estate (and owner occupied dwellings)	Automotive equipment rental and leasing	Consumer goods and general rental centers	Machinery and equipment rental and leasing	Lessors of nonfinancial intangible assets	Legal services	Accounting and book-keeping services	Architectural and engineering services	Specialized design services
			5310	5321	532A	5324	5330	5411	5412	5413	5414
93	333924	Industrial trucks, trailers, and stackers		33	3	26				15	
94	333991	Power-driven handtools	35	4	6	4		1	1	6	1
95	333992	Welding and soldering equipment		14		11					
96	333993	Packaging machinery			8	5					
97	333994	Industrial process furnaces and ovens									
98	333996	Fluid power pumps and motors		1	1	1				1	
99	33399A	Scales, balances, and miscellaneous general purpose machinery			6	1				29	
100	334111	Electronic computers	645	564	159	140	24	617	356	1,080	71
101	334112	Computer storage devices	193	196	54	13	6	218	147	236	18
102	334113	Computer terminals	8	1	5	1		11	5	11	2
103	334119	Other computer peripheral equipment	277	47	75	84	7	174	159	670	34
104	334210	Telephone apparatus	519	37	104	28	33	89	45	101	10
105	334220	Broadcast and wireless communications equipment	77	37	143	23	3	47	30	137	17
106	334290	Other communications equipment	13	1	8	1	1	17	10	30	2
107	334300	Audio and video equipment	171	2	11	1	1	12	6	7	3
108	334510	Electromedical apparatus									
109	334511	Search, detection, and navigation instruments			2						
110	334513	Industrial process variable instruments									
111	334514	Totalizing fluid meters and counting devices		2	2	1				1	
112	334515	Electricity and signal testing instruments		16	15	9		1	4	7	3
113	334516	Analytical laboratory instruments									9
114	334517	Irradiation apparatus							1		27
115	334519	Other measuring and controlling devices			2				1		127
116	334613	Magnetic and optical recording media						3	1	1	4
117	335120	Lighting fixtures	7		2	1			1		3
118	335211	Electric housewares and household fans	10					2			
119	335212	Household vacuum cleaners	9								
120	335221	Household cooking appliances	1,214								
121	335222	Household refrigerators and home freezers	1,242								
122	335224	Household laundry equipment	136								
123	335228	Other major household appliances	353								
124	335311	Electric power and specialty transformers						1	1	1	
125	335312	Motors and generators				1					
126	335313	Switchgear and switchboard apparatus		1	2	3					23
127	335314	Relays and industrial controls		1		2					
128	335911	Storage batteries				1					
129	335929	Other communication and energy wire		1	5				2		
130	335931	Current-carrying wiring Devices									
131	335999	Miscellaneous electrical equipment		2	17	38		7	4	48	2
132	336110	Automobiles and light trucks	1,939	40,440	893	283	6	275	287	1,036	97
133	336120	Heavy duty trucks	7	439	20	17		1	1	14	
134	336211	Motor vehicle bodies		1	30	12					
135	336212	Truck trailers		19	69	22					
136	336213	Motor homes		118							
137	336214	Travel trailers and campers	4	2	10	1					
138	336360	Motor vehicle seating and interior trim			2						1
139	336411	Aircraft	6		118	27	1		5	6	
140	336412	Aircraft engines and engine parts			4	1					2
141	336414	Guided missiles and space vehicles									4
142	336500	Railroad rolling stock				15					
143	336611	Ship building and repairing			2	24					
144	336612	Boat building			5	194					
145	336991	Motorcycles, bicycles, and parts		1	3						
146	336999	All other transportation equipment	7		547				2	13	
147	337110	Wood kitchen cabinets and countertops	10		1	1					
148	337121	Upholstered household furniture	85		6			11	6	11	2
149	337122	Nonupholstered wood household furniture	114								
150	337124	Metal household furniture	23								
151	337125	Household furniture, except wood and metal	5								
152	337127	Institutional furniture	121	12	19	7		3	2	18	17
153	337211	Wood office furniture	84	4	22	4	1	88	52	2	41
154	337212	Custom architectural woodwork and millwork	4	1	4			4	2	5	
155	337214	Office furniture, except wood	137	10	37	9	5	158	110	30	24
156	337215	Showcases, partitions, shelving, and lockers	49	15	62	8	2	68	39	71	11
157	337910	Mattresses	45								
158	337920	Blinds and shades	6	1	5			6	2	6	
159	339111	Laboratory apparatus and furniture								311	
160	339112	Surgical and medical instruments									
161	339113	Surgical appliances and supplies									
162	339114	Dental equipment and supplies									
163	339920	Sporting and athletic goods	37					1	1		
164	339942	Lead pencils and art goods									
165	339950	Sign manufacturing	84	24	124	7	1	5	7	19	10
166	339992	Musical instruments			1						
167	339999	All other miscellaneous manufactured products	16	2	7	1		9	5	11	2
168	420000	Wholesale trade	1,674	2,369	280	127	15	403	248	813	185
169	4A0000	Retail trade	6,953	2,477	314	95	5	217	134	357	45
170	481000	Air transportation	25	12	7	3		14	8	38	7
171	482000	Rail transportation	41	316	16	2		3	3	11	1
172	483000	Water transportation		7							
173	484000	Truck transportation	298	590	49	7		10	9	30	5
174	511200	Software publishers	449	92	75	103	31	390	202	990	97
175	513300	Telecommunications									
176	531210	Offices of real estate agents and brokers	5,480								
177	541330	Engineering services	35	20	45	17	2	54	30	101	49
178	541511	Custom computer programming services	369	57	98	58	53	172	1,196	5,103	91
179	541512	Computer systems design services	70	5	17	4	2	87	62	184	10
180	S00300	Noncomparable imports	13	1	2	1	1	13	25	51	2
		Total new equipment, software, and structures	316,725	48,323	4,334	1,766	311	3,960	3,821	13,312	1,507

Table 1. Distribution of New Equipment, Software, and
 (Millions)

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Computer systems design and related services	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services
			Industry code 5415	5416	5417	5418	5419	5500	5613	5615	561A
1	212291	Uranium, radium and vanadium ore mining.....									
2	213111	Drilling oil and gas wells.....									
3	213112	Support activities for oil and gas operations.....									
4	21311A	Support activities for other mining.....									
5	233511	New residential 1-unit structures, nonfarm construction.....									
6	233512	New residential 2-4 unit nonfarm construction.....									
7	233513	New residential garden apartments construction.....									
8	233514	New high-rise apartments construction.....									
9	233515	New nonfarm residential additions and alterations.....									
10	233516	New hotels and motels construction.....									
11	233517	New dormitory and other group housing construction.....									
12	233523	New warehouse construction.....									
13	233524	New garages and service stations construction.....									
14	233525	Other new nonfarm buildings construction.....	23			15	11	25	8	1	53
15	233526	New religious facilities construction.....									
16	233527	New hospital construction.....									
17	233528	New residential institutional and other health facilities.....									
18	233529	New amusement and recreation facilities construction.....									
19	233532	New railroad facilities construction.....									
20	233533	New electric utility construction.....									
21	233534	New gas utility facilities construction.....									
22	233535	New petroleum pipelines construction.....									
23	233536	New water supply facilities construction.....									
24	233543	New academic facilities construction.....									
25	233544	New libraries, museums and cultural facilities construction.....									
26	233545	New commercial structures.....	17	49	69	46	46	42	24	25	245
27	233551	New farm housing units and additions and alterations.....									
28	233552	New farm service facilities construction.....									
29	233572	New dams and reservoir construction.....									
30	233573	Other new conservation and development construction.....									
31	233574	Other new nonbuilding construction.....									
32	233612	New highways, bridges and other horizontal construction.....									
33	233621	New industrial plants construction.....									
34	233624	New waste treatment plants construction.....									
35	233625	New sewer facilities construction.....									
36	233631	New telephone and telegraph construction.....									
37	233701	Residential maintenance and repair construction.....									
38	233703	Farm residential maintenance and repair and major replacement.....									
39	233706	Railroad maintenance and repair construction.....									
40	233722	New office building construction.....	1,022	439	468	175	225	1,134	79	38	1,015
41	313230	Nonwoven fabric mills.....									
42	314110	Carpet and rug mills.....	13	12	10	11	5	32	9	5	119
43	321920	Wood containers and pallets.....									
44	321991	Manufactured homes, mobile homes.....									
45	325180	Other basic inorganic chemicals.....									
46	3261A0	Foam products.....									
47	326290	Other rubber products.....	1	3	1	14	1	2	1		14
48	332212	Hand and edge tools.....						2			6
49	332213	Saw blades and handsaws.....		1							5
50	332313	Plate work.....									
51	332322	Sheet metal work.....									
52	332323	Ornamental and architectural metal work.....									
53	332410	Power boilers and heat exchangers.....	1	3	2	3	1	2	32		23
54	332420	Metal tanks, heavy gauge.....	2	2	6	3	18	2	5		92
55	332430	Metal cans, boxes, and other containers.....			1		1				2
56	332500	Hardware.....	1	1	1	1		8			6
57	332910	Metal valves.....	2	1	6	2	1	2	1		20
58	332996	Fabricated pipe and pipe fittings.....			1						4
59	332999	Miscellaneous fabricated metal products.....	1	1	1	1		1	1		10
60	333111	Farm machinery and equipment.....	2	3	3	2	2	7	2	2	489
61	333112	Lawn and garden equipment.....	3	8	8	10	2	14	5	3	597
62	333120	Construction machinery.....	1	3	2	3	55	3	2	1	106
63	333131	Mining machinery and equipment.....									
64	333132	Oil and gas field machinery and equipment.....									
65	333210	Sawmill and woodworking machinery.....									
66	333220	Plastics and rubber industry machinery.....									
67	333291	Paper industry machinery.....									
68	333292	Textile machinery.....									
69	333293	Printing machinery and equipment.....	11	13	5	48	17	10	5	1	43
70	333294	Food product machinery.....									
71	333295	Semiconductor machinery.....									
72	333298	All other industrial machinery.....									
73	33331A	Automatic vending, commercial laundry and drycleaning machinery.....	1								1
74	333313	Office machinery.....	12	13	6	17	5	30	8	5	112
75	333314	Optical instruments and lenses.....	4	36	82	3	29	28	3		41
76	333315	Photographic and photocopying equipment.....	71	50	43	57	170	193	34	7	219
77	333319	Other commercial and service machinery.....	2	4	4	5	3	14	5	2	381
78	333411	Air purification equipment.....	1	1	1	1		1	2		73
79	333412	Industrial and commercial fans and blowers.....	2	1	2	2	1	1	2		13
80	333415	A/C, refrigeration, and forced air heating equipment.....	9	9	17	7	3	18	5	3	75
81	333511	Industrial molds.....									
82	333512	Metal cutting machine tools.....									1
83	333513	Metal forming machine tools.....									
84	333514	Special tools, dies, jigs, and fixtures.....									
85	33351A	Rolling mill and other metalworking machinery.....									
86	333611	Turbine and turbine generator set units.....			1						
87	333618	Other engine equipment.....			1						38
88	333911	Pumps and pumping equipment.....	3	1	3	1	11	1	2		13
89	333912	Air and gas compressors.....	9	6	12	14	3	5	2		48
90	333913	Measuring and dispensing pumps.....	1	1	1	1	1	1	1		3
91	333922	Conveyors and conveying equipment.....									
92	333923	Overhead cranes, hoists, and monorail systems.....			3	2	3				16

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Computer systems design and related services	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services
			5415	5416	5417	5418	5419	5500	5613	5615	561A
93	333924	Industrial trucks, trailers, and stackers			7	6	8				78
94	333991	Power-driven handtools	1	1	2	2	7	1	1		55
95	333992	Welding and soldering equipment									
96	333993	Packaging machinery									
97	333994	Industrial process furnaces and ovens			3						1
98	333996	Fluid power pumps and motors			1	1			1		4
99	33399A	Scales, balances, and miscellaneous general purpose machinery			6						1
100	334111	Electronic computers	717	268	249	201	83	689	102	83	909
101	334112	Computer storage devices	200	96	70	56	26	244	45	19	403
102	334113	Computer terminals	4	4	3	3	1	11	2	1	22
103	334119	Other computer peripheral equipment	309	116	111	86	36	245	66	26	411
104	334210	Telephone apparatus	1,001	78	66	149	55	115	82	80	756
105	334220	Broadcast and wireless communications equipment	11	56	58	44	24	73	21	28	257
106	334290	Other communications equipment	11	8	6	5	2	19	3	1	20
107	334300	Audio and video equipment	3	4	3	7	2	12	3	1	44
108	334510	Electromedical apparatus									
109	334511	Search, detection, and navigation instruments	1	4	1		1	3			
110	334513	Industrial process variable instruments									
111	334514	Totalizing fluid meters and counting devices				1			1		3
112	334515	Electricity and signal testing instruments	1	13	2	3	5	12			19
113	334516	Analytical laboratory instruments	1	1	226			1			2
114	334517	Irradiation apparatus	2	6	11		1	4	2		7
115	334519	Other measuring and controlling devices	2	46	46	1	1	7	1		7
116	334613	Magnetic and optical recording media	8	1	1	1	1	3	1		3
117	335120	Lighting fixtures	7	1	2	3		1			10
118	335211	Electric housewares and household fans						1			
119	335212	Household vacuum cleaners									43
120	335221	Household cooking appliances									
121	335222	Household refrigerators and home freezers									
122	335224	Household laundry equipment									
123	335228	Other major household appliances									
124	335311	Electric power and specialty transformers	1	1	1	1		1			4
125	335312	Motors and generators			9	1					8
126	335313	Switchgear and switchboard apparatus	5		7		1				16
127	335314	Relays and industrial controls	1		2	1					2
128	335911	Storage batteries				1					
129	335929	Other communication and energy wire	1		1	1	1	2	1	1	4
130	335931	Current-carrying wiring Devices	1								2
131	335999	Miscellaneous electrical equipment	23	12	17	5	1	14	3	2	76
132	336110	Automobiles and light trucks	312	366	240	305	170	526	145	26	1,899
133	336120	Heavy duty trucks	1		1		5	1			19
134	336211	Motor vehicle bodies					3				
135	336212	Truck trailers									2
136	336213	Motor homes									
137	336214	Travel trailers and campers					3				24
138	336360	Motor vehicle seating and interior trim									1
139	336411	Aircraft	4	10	5	11	19	7			69
140	336412	Aircraft engines and engine parts					1				2
141	336414	Guided missiles and space vehicles	1		7						
142	336500	Railroad rolling stock									
143	336611	Ship building and repairing					4		1	1	1
144	336612	Boat building					1			1	
145	336991	Motorcycles, bicycles, and parts									
146	336999	All other transportation equipment		1	2		28	1		3	5
147	337110	Wood kitchen cabinets and countertops	4	4	3	3	1	11	2	1	16
148	337121	Upholstered household furniture									
149	337122	Nonupholstered wood household furniture									
150	337124	Metal household furniture									
151	337125	Household furniture, except wood and metal									
152	337127	Institutional furniture	7	7	5	23	10	7	3	2	56
153	337211	Wood office furniture	4	32	22	24	10	89	17	10	105
154	337212	Custom architectural woodwork and millwork	2	1	1	1	1	5	1	1	7
155	337214	Office furniture, except wood	105	72	58	55	22	181	41	9	238
156	337215	Showcases, partitions, shelving, and lockers	31	27	21	27	13	71	26	9	170
157	337910	Mattresses									
158	337920	Blinds and shades		2	2		1	6			23
159	339111	Laboratory apparatus and furniture	4		25	49	2	10	15	2	1
160	339112	Surgical and medical instruments									43
161	339113	Surgical appliances and supplies									
162	339114	Dental equipment and supplies									
163	339920	Sporting and athletic goods		3	1			2		2	1
164	339942	Lead pencils and art goods									
165	339950	Sign manufacturing	15	16	6	27	7	17	6	18	132
166	339992	Musical instruments									
167	339999	All other miscellaneous manufactured products	5	3	3	3	3	9	3	1	39
168	420000	Wholesale trade	456	223	227	188	138	473	104	51	1,325
169	4A0000	Retail trade	173	105	84	98	77	246	54	25	1,088
170	481000	Air transportation	18	5	6	7	1	16	2	1	51
171	482000	Rail transportation	3	3	2	3	1	5	1		24
172	483000	Water transportation									
173	484000	Truck transportation	9	8	5	9	8	14	3	2	120
174	511200	Software publishers	637	238	149	165	85	451	179	19	528
175	513300	Telecommunications									
176	531210	Offices of real estate agents and brokers									
177	541330	Engineering services	28	32	42	27	36	63	15	5	334
178	541511	Custom computer programming services	3,801	1,011	1,167	256	108	1,407	180	80	1,197
179	541512	Computer systems design services	75	40	37	23	10	102	17	9	119
180	S00300	Noncomparable imports	24	10	12	4	2	27	3	2	24
		Total new equipment, software, and structures	9,246	3,624	3,828	2,286	1,654	6,768	1,380	615	14,729

Table 1. Distribution of New Equipment, Software, and

[Millions]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, museums, zoos, and parks	Amusement, gambling, and recreation
			5620	6100	6210	6220	6230	6240	71A0	7130
1	212291	Uranium, radium and vanadium ore mining								
2	213111	Drilling oil and gas wells								
3	213112	Support activities for oil and gas operations								
4	21311A	Support activities for other mining								
5	233511	New residential 1-unit structures, nonfarm construction								
6	233512	New residential 2-4 unit nonfarm construction								
7	233513	New residential garden apartments construction								
8	233514	New high-rise apartments construction								
9	233515	New nonfarm residential additions and alterations								
10	233516	New hotels and motels construction								
11	233517	New dormitory and other group housing construction		787						
12	233523	New warehouse construction								
13	233524	New garages and service stations construction								
14	233525	Other new nonfarm buildings construction		27	1	107		8	34	55
15	233526	New religious facilities construction								
16	233527	New hospital construction			195	10,640				
17	233528	New residential institutional and other health facilities				2,114	2,148			
18	233529	New amusement and recreation facilities construction							1,068	2,391
19	233532	New railroad facilities construction								
20	233533	New electric utility construction		21		30				
21	233534	New gas utility facilities construction								
22	233535	New petroleum pipelines construction								
23	233536	New water supply facilities construction								
24	233543	New academic facilities construction		8,975					511	
25	233544	New libraries, museums and cultural facilities construction		333					6	
26	233545	New commercial structures	208	65	76	11	145	119	272	469
27	233551	New farm housing units and additions and alterations								
28	233552	New farm service facilities construction								
29	233572	New dams and reservoir construction								
30	233573	Other new conservation and development construction								
31	233574	Other new nonbuilding construction								411
32	233612	New highways, bridges and other horizontal construction								
33	233621	New industrial plants construction								
34	233624	New waste treatment plants construction	968							
35	233625	New sewer facilities construction								
36	233631	New telephone and telegraph construction								
37	233701	Residential maintenance and repair construction								
38	233703	Farm residential maintenance and repair and major replacement								
39	233706	Railroad maintenance and repair construction								
40	233722	New office building construction	369	157	2,004	228	879	1,054	431	524
41	313230	Nonwoven fabric mills								
42	314110	Carpet and rug mills	4	31	57	112	29	20	15	9
43	321920	Wood containers and pallets								
44	321991	Manufactured homes, mobile homes								
45	325180	Other basic inorganic chemicals								
46	3261A0	Foam products								
47	326290	Other rubber products							2	
48	332212	Hand and edge tools								
49	332213	Saw blades and handsaws	1	1		1			1	1
50	332313	Plate work	1							
51	332322	Sheet metal work		6		8	6	1		6
52	332323	Ornamental and architectural metal work								
53	332410	Power boilers and heat exchangers	2			4		4	5	3
54	332420	Metal tanks, heavy gauge	25	7	4	11	3	5	4	9
55	332430	Metal cans, boxes, and other containers	1							
56	332500	Hardware		2	1	2	2	1	1	3
57	332910	Metal valves	9	6	2	16	5	2	5	11
58	332996	Fabricated pipe and pipe fittings	4	1		3				
59	332999	Miscellaneous fabricated metal products	1	4	1	5	2	2	1	4
60	333111	Farm machinery and equipment	7	3	7	8	7	4	29	11
61	333112	Lawn and garden equipment	21	46	14	90	41	30	53	46
62	333120	Construction machinery	90	11			2	1	3	2
63	333131	Mining machinery and equipment								
64	333132	Oil and gas field machinery and equipment								
65	333210	Sawmill and woodworking machinery		3						
66	333220	Plastics and rubber industry machinery								
67	333291	Paper industry machinery								
68	333292	Textile machinery								
69	333293	Printing machinery and equipment	1	7	2	5	2	5	8	1
70	333294	Food product machinery		2		10	9	2	11	8
71	333295	Semiconductor machinery								
72	333298	All other industrial machinery	13							
73	33331A	Automatic vending, commercial laundry and drycleaning machinery	1	1	4	48	71	2	11	55
74	333313	Office machinery	4	25	33	43	12	9	13	14
75	333314	Optical instruments and lenses	7	20	364	298	5	1	4	1
76	333315	Photographic and photocopying equipment	10	85	220	468	51	69	20	5
77	333319	Other commercial and service machinery	12	281	37	146	78	26	2	159
78	333411	Air purification equipment	3	6	14	82	9	3		3
79	333412	Industrial and commercial fans and blowers	5	3	2	5	1	1		4
80	333415	A/C, refrigeration, and forced air heating equipment	3	75	45	153	44	51	7	25
81	333511	Industrial molds								
82	333512	Metal cutting machine tools								
83	333513	Metal forming machine tools								
84	333514	Special tools, dies, jigs, and fixtures								
85	33351A	Rolling mill and other metalworking machinery								
86	333611	Turbine and turbine generator set units	23			1				
87	333618	Other engine equipment	9	14	4	14		3	4	9
88	333911	Pumps and pumping equipment	5	5	4	9	2	1	1	9
89	333912	Air and gas compressors	20	6	3	10	1	2	2	4
90	333913	Measuring and dispensing pumps	5	1	1	3				
91	333922	Conveyors and conveying equipment	18	3				14		3
92	333923	Overhead cranes, hoists, and monorail systems	15	4	2	13	1	1		5

Structures to Using Industries, I-O Commodities, 1997—Continued

of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, museums, zoos, and parks	Amusement, gambling, and recreation
			5620	6100	6210	6220	6230	6240	71A0	7130
93	333924	Industrial trucks, trailers, and stackers	33	11	4	12	1	1	3	2
94	333991	Power-driven handtools	9	7	1	10	3	1	2	3
95	333992	Welding and soldering equipment		5						
96	333993	Packaging machinery								
97	333994	Industrial process furnaces and ovens	6	3						
98	333996	Fluid power pumps and motors	1	1		1				3
99	33399A	Scales, balances, and miscellaneous general purpose machinery	7	3		15	3	1		6
100	334111	Electronic computers	79	711	442	793	78	101	130	83
101	334112	Computer storage devices	21	86	192	330	30	45	43	30
102	334113	Computer terminals	1	11	12	27	4	4	4	4
103	334119	Other computer peripheral equipment	34	220	266	521	48	50	79	68
104	334210	Telephone apparatus	74	64	160	418	30	24	26	27
105	334220	Broadcast and wireless communications equipment	49	57	146	153	61	45	112	38
106	334290	Other communications equipment	1	4	24	47	7	6	1	4
107	334300	Audio and video equipment	2	17	21	32	16	13	11	24
108	334510	Electromedical apparatus		362	854	4,968	111	1		
109	334511	Search, detection, and navigation instruments		2	4	1			1	
110	334513	Industrial process variable instruments	25							
111	334514	Totalizing fluid meters and counting devices	3	3	1	1		1		3
112	334515	Electricity and signal testing instruments	21	13	7	10	6	2	1	
113	334516	Analytical laboratory instruments		27	126	215			1	
114	334517	Irradiation apparatus	3	166	717	1,432	1			
115	334519	Other measuring and controlling devices	20	15	2	7	1	1		
116	334613	Magnetic and optical recording media		3	4	1	1			
117	335120	Lighting fixtures	3	2	1	1				3
118	335211	Electric housewares and household fans		1	1					
119	335212	Household vacuum cleaners		4	1	6	4	1		
120	335221	Household cooking appliances					1			
121	335222	Household refrigerators and home freezers		2		2	2			1
122	335224	Household laundry equipment		51			27	10		
123	335228	Other major household appliances		3						
124	335311	Electric power and specialty transformers	3	3	2	6	2	1		
125	335312	Motors and generators	4	5	1	6		1		
126	335313	Switchgear and switchboard apparatus	19	7	2	13	2	2		
127	335314	Relays and industrial controls	6			2				
128	335911	Storage batteries	3	1		1				
129	335929	Other communication and energy wire		1	4	7	2			2
130	335931	Current-carrying wiring Devices								
131	335999	Miscellaneous electrical equipment	11	9	19	38	10	4	1	
132	336110	Automobiles and light trucks	478	72	452	494	108	113	66	84
133	336120	Heavy duty trucks	296	38	21	13	6	36	2	5
134	336211	Motor vehicle bodies	59	7				2		1
135	336212	Truck trailers	116	4				3	5	2
136	336213	Motor homes							3	2
137	336214	Travel trailers and campers	1	2					4	7
138	336360	Motor vehicle seating and interior trim			2					
139	336411	Aircraft	4	2	69		3		6	
140	336412	Aircraft engines and engine parts			3					
141	336414	Guided missiles and space vehicles								
142	336500	Railroad rolling stock								
143	336611	Ship building and repairing		1					4	3
144	336612	Boat building		3					6	8
145	336991	Motorcycles, bicycles, and parts		4				4	4	5
146	336999	All other transportation equipment	7	6		9	6	2	7	176
147	337110	Wood kitchen cabinets and countertops	1	13	13	29	5	5		
148	337121	Upholstered household furniture								
149	337122	Nonupholstered wood household furniture								
150	337124	Metal household furniture								
151	337125	Household furniture, except wood and metal								
152	337127	Institutional furniture	11	188	3	104	24	6	46	69
153	337211	Wood office furniture	7	9	53	20	5	2	24	10
154	337212	Custom architectural woodwork and millwork		1	6	9	1	2		8
155	337214	Office furniture, except wood	15	72	172	81	45	83	53	24
156	337215	Showcases, partitions, shelving, and lockers	9	39	89	185	26	35	9	18
157	337910	Mattresses								
158	337920	Blinds and shades		5	14	22	6	5		5
159	339111	Laboratory apparatus and furniture	3	69	147	152				
160	339112	Surgical and medical instruments		546	1,482	6,684	492			2
161	339113	Surgical appliances and supplies		19	242	1,457	100			
162	339114	Dental equipment and supplies		63	700	8				
163	339920	Sporting and athletic goods		346	3	28	25	138	5	431
164	339942	Lead pencils and art goods		8				2		
165	339950	Sign manufacturing	5	2	26	50	33	25	15	23
166	339992	Musical instruments		64		2	1	9	17	13
167	339999	All other miscellaneous manufactured products	3	2	17	34	11	5	16	456
168	420000	Wholesale trade	207	920	1,612	3,809	313	183	150	406
169	4A0000	Retail trade	77	357	230	487	103	105	151	182
170	481000	Air transportation	2	28	41	116	9	3	3	8
171	482000	Rail transportation	8	5	5	9	1	2		10
172	483000	Water transportation								
173	484000	Truck transportation	20	21	31	79	13	10	8	71
174	511200	Software publishers	62	955	552	709	65	131	9	4
175	513300	Telecommunications								
176	531210	Offices of real estate agents and brokers								
177	541330	Engineering services	39	102	412	1,247	103	43	21	63
178	541511	Custom computer programming services	172	547	430	1,258	92	124	25	31
179	541512	Computer systems design services	9	40	85	110	12	15	16	18
180	S00300	Noncomparable imports	2	11	16	28	3	4	1	2
		Total new equipment, software, and structures	3,916	17,472	13,039	41,014	5,617	2,849	3,635	6,708

Table 1. Distribution of New Equipment, Software, and
(Millions)

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry. Industry code	Accommodation	Food services and drinking places	Automotive repair and maintenance	Electronic, commercial, and household goods repair	Personal and laundry services	Religious, grantmaking and giving, and social advocacy organizations	Civic, social, professional and similar organizations	Total
			7210	7220	8111	811A	8120	813A	813B	
1	212291	Uranium, radium and vanadium ore mining								39
2	213111	Drilling oil and gas wells								9,604
3	213112	Support activities for oil and gas operations								11,697
4	21311A	Support activities for other mining								1,196
5	233511	New residential 1-unit structures, nonfarm construction								172,282
6	233512	New residential 2-4 unit nonfarm construction								4,495
7	233513	New residential garden apartments construction								14,360
8	233514	New high-rise apartments construction								4,028
9	233515	New nonfarm residential additions and alterations								53,349
10	233516	New hotels and motels construction	15,966							15,966
11	233517	New dormitory and other group housing construction	3							790
12	233523	New warehouse construction		3						10,865
13	233524	New garages and service stations construction			890					2,599
14	233525	Other new nonfarm buildings construction	5	621	344	14	77	12	8	5,459
15	233526	New religious facilities construction						5,623		5,623
16	233527	New hospital construction								10,835
17	233528	New residential institutional and other health facilities								4,262
18	233529	New amusement and recreation facilities construction	24							4,071
19	233532	New railroad facilities construction								887
20	233533	New electric utility construction								17,763
21	233534	New gas utility facilities construction								6,384
22	233535	New petroleum pipelines construction								835
23	233536	New water supply facilities construction								1,764
24	233543	New academic facilities construction								9,486
25	233544	New libraries, museums and cultural facilities construction								339
26	233545	New commercial structures	53	4,705	9	41	106	25	88	37,590
27	233551	New farm housing units and additions and alterations								5,429
28	233552	New farm service facilities construction								3,815
29	233572	New dams and reservoir construction								444
30	233573	Other new conservation and development construction								265
31	233574	Other new nonbuilding construction								1,049
32	233612	New highways, bridges and other horizontal construction								721
33	233621	New industrial plants construction								24,833
34	233624	New waste treatment plants construction								1,051
35	233625	New sewer facilities construction								401
36	233631	New telephone and telegraph construction								10,371
37	233701	Residential maintenance and repair construction								22,093
38	233703	Farm residential maintenance and repair and major replacement								1,402
39	233706	Railroad maintenance and repair construction								3,838
40	233722	New office building construction	57	88	56	198	822	210	754	46,510
41	313230	Nonwoven fabric mills								1
42	314110	Carpet and rug mills	27	239	5	4	21	40	11	2,905
43	321920	Wood containers and pallets								0
44	321991	Manufactured homes, mobile homes		124						9,842
45	325180	Other basic inorganic chemicals								2,040
46	3261A0	Foam products	2							27
47	326290	Other rubber products	7	1			1			239
48	332212	Hand and edge tools	1				1	1		58
49	332213	Saw blades and handsaws	1					1		244
50	332313	Plate work					1			48
51	332322	Sheet metal work	7	196		1		3		295
52	332323	Ornamental and architectural metal work								121
53	332410	Power boilers and heat exchangers	1	5	22	3	4	3		1,435
54	332420	Metal tanks, heavy gauge	10	8	32	6	12	9	2	2,280
55	332430	Metal cans, boxes, and other containers	1	6						346
56	332500	Hardware	4	44	1	1	1	5	1	212
57	332910	Metal valves	4	7	3	5	5	14	3	1,442
58	332966	Fabricated pipe and pipe fittings	1			2				441
59	332999	Miscellaneous fabricated metal products	4	21	2	1	1	3		412
60	333111	Farm machinery and equipment	3	7	1	1	9	7	5	12,831
61	333112	Lawn and garden equipment	6	40	14	15	57	25	21	4,379
62	333120	Construction machinery	4	3	2	5	13			13,555
63	333131	Mining machinery and equipment								1,855
64	333132	Oil and gas field machinery and equipment								1,093
65	333210	Sawmill and woodworking machinery				10	1	3	1	1,229
66	333220	Plastics and rubber industry machinery								3,298
67	333291	Paper industry machinery								2,527
68	333292	Textile machinery								2,104
69	333293	Printing machinery and equipment	1				3	21	10	2,857
70	333294	Food product machinery	10	245				3	1	2,142
71	333295	Semiconductor machinery								6,349
72	333298	All other industrial machinery			1	2				5,855
73	33331A	Automatic vending, commercial laundry and drycleaning machinery	34	26	2	2	168	8		1,204
74	333313	Office machinery	14	89	14	5	15	21	8	2,202
75	333314	Optical instruments and lenses	1		1	23	58			1,946
76	333315	Photographic and photocopying equipment	32	22	9	7	301	161	31	6,761
77	333319	Other commercial and service machinery	97	1,662	293	6	21	69	14	5,230
78	333411	Air purification equipment	15	7	1	1	3	9	1	683
79	333412	Industrial and commercial fans and blowers	3	7	10	4	8	1		680
80	333415	A/C, refrigeration, and forced air heating equipment	78	2,074	18	3	19	42	10	4,401
81	333511	Industrial molds								5,665
82	333512	Metal cutting machine tools			202	30				6,260
83	333513	Metal forming machine tools			6	12				2,121
84	333514	Special tools, dies, jigs, and fixtures			27	56				7,819
85	33351A	Rolling mill and other metalworking machinery								3,483
86	333611	Turbine and turbine generator set units			1			1	1	2,019
87	333618	Other engine equipment	22	9	1	1	5	2		1,403
88	333911	Pumps and pumping equipment	4	8	2	1	3	3	1	3,330
89	333912	Air and gas compressors	3	5	179	11	9	2	1	3,423
90	333913	Measuring and dispensing pumps	1							959
91	333922	Conveyors and conveying equipment		6				22		5,062
92	333923	Overhead cranes, hoists, and monorail systems	6			95	8	5		2,153

Structures to Using Industries, I-O Commodities, 1997—Continued
 of dollars]

Line	Input-output commodity code	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Accom-	Food	Automotive	Electronic,	Personal and	Religious,	Civic, social,	Total
			modation	services and drinking places	repair and maintenance	commercial, and household goods repair	and laundry services	grantmaking and giving, and social advocacy organizations	professional and similar organizations	
Industry code			7210	7220	8111	811A	8120	813A	813B	
93	333924	Industrial trucks, trailers, and stackers.....	5	2	13	4	1			4,794
94	333991	Power-driven handtools.....	6	6	36	16	3			2,346
95	333992	Welding and soldering equipment.....			150	23		6	1	2,398
96	333993	Packaging machinery.....								3,848
97	333994	Industrial process furnaces and ovens.....		1			3			2,406
98	333996	Fluid power pumps and motors.....	1	2	5	1	2	1		231
99	33399A	Scales, balances, and miscellaneous general purpose machinery.....	1	42	2		4	1		3,591
100	334111	Electronic computers.....	92	97	81	58	141	128	84	34,230
101	334112	Computer storage devices.....	39	48	35	24	42	100	34	9,763
102	334113	Computer terminals.....	3	11	2	1	4	8	2	634
103	334119	Other computer peripheral equipment.....	64	146	39	27	64	103	43	16,826
104	334210	Telephone apparatus.....	91	81	14	7	33	61	17	29,736
105	334220	Broadcast and wireless communications equipment.....	17	18	13	16	36	99	29	20,901
106	334290	Other communications equipment.....	3	10	2	1	4	11	4	756
107	334300	Audio and video equipment.....	14	117	5	2	9	25	6	942
108	334510	Electromedical apparatus.....								6,296
109	334511	Search, detection, and navigation instruments.....								11,279
110	334513	Industrial process variable instruments.....								4,622
111	334514	Totalizing fluid meters and counting devices.....	2	6	1	1	2			1,213
112	334515	Electricity and signal testing instruments.....	7	10	40	29	2	1		6,859
113	334516	Analytical laboratory instruments.....								3,682
114	334517	Irradiation apparatus.....			1		1			2,665
115	334519	Other measuring and controlling devices.....	2	2	2	2	2	2		2,233
116	334613	Magnetic and optical recording media.....	1	1			1	1		100
117	335120	Lighting fixtures.....	1	1		26			1	468
118	335211	Electric housewares and household fans.....	2	64				1		87
119	335212	Household vacuum cleaners.....	11	5			1	5		98
120	335221	Household cooking appliances.....	1	8				1		1,225
121	335222	Household refrigerators and home freezers.....	2	44				1		1,306
122	335224	Household laundry equipment.....	23				52	7	1	307
123	335228	Other major household appliances.....	7							363
124	335311	Electric power and specialty transformers.....	3	9	2	1	1	4		2,605
125	335312	Motors and generators.....	3	2	4	4	6	1		1,507
126	335313	Switchgear and switchboard apparatus.....	5	15	3	5	5	1		1,875
127	335314	Relays and industrial controls.....		5	6	2	6			1,174
128	335911	Storage batteries.....								350
129	335929	Other communication and energy wire.....	1		1	1	1	1		245
130	335931	Current-carrying wiring Devices.....				5				67
131	335999	Miscellaneous electrical equipment.....	13	41	3	72	8	7	2	3,652
132	336110	Automobiles and light trucks.....	492	1,134	2,016	517	654	531	47	128,124
133	336120	Heavy duty trucks.....	12	3	4	4	19	18	4	13,836
134	336211	Motor vehicle bodies.....		102	15		16	1		2,351
135	336212	Truck trailers.....	2	190	26		29	1		4,941
136	336213	Motor homes.....								123
137	336214	Travel trailers and campers.....	9	13	1		1	7		497
138	336360	Motor vehicle seating and interior trim.....								363
139	336411	Aircraft.....						1		13,401
140	336412	Aircraft engines and engine parts.....								436
141	336414	Guided missiles and space vehicles.....								81
142	336500	Railroad rolling stock.....								5,291
143	336611	Ship building and repairing.....						6	18	1,824
144	336612	Boat building.....	18					2	8	644
145	336991	Motorcycles, bicycles, and parts.....	7		1					89
146	336999	All other transportation equipment.....	81	6	2		8	2	4	1,566
147	337110	Wood kitchen cabinets and countertops.....	5	79	1	1	4	10	2	580
148	337121	Upholstered household furniture.....	376							461
149	337122	Nonupholstered wood household furniture.....	511							625
150	337124	Metal household furniture.....	110	40						173
151	337125	Household furniture, except wood and metal.....	13	12						31
152	337127	Institutional furniture.....	142	909	93	28	8	206	15	3,957
153	337211	Wood office furniture.....	19	30	12	5	19	22	20	2,712
154	337212	Custom architectural woodwork and millwork.....	2	23	1	1	4	4	1	243
155	337214	Office furniture, except wood.....	37	57	20	12	42	51	41	6,429
156	337215	Showcases, partitions, shelving, and lockers.....	34	368	19	11	29	67	18	6,260
157	337910	Mattresses.....	173							218
158	337920	Blinds and shades.....	6	54	1	1	5	6	2	380
159	339111	Laboratory apparatus and furniture.....								1,692
160	339112	Surgical and medical instruments.....								9,349
161	339113	Surgical appliances and supplies.....								1,913
162	339114	Dental equipment and supplies.....								771
163	339920	Sporting and athletic goods.....	14							1,065
164	339942	Lead pencils and art goods.....						2		12
165	339950	Sign manufacturing.....	12	140	18	10	62	27	18	5,269
166	339992	Musical instruments.....	1	3				66	2	185
167	339999	All other miscellaneous manufactured products.....	75	287	5	3	58	10	3	1,713
168	420000	Wholesale trade.....	348	1,585	364	121	300	305	85	6,7571
169	4A0000	Retail trade.....	379	638	193	75	198	324	67	30,822
170	481000	Air transportation.....	3	41	19	5	10	6	1	2,854
171	482000	Rail transportation.....	9	36	17	4	7	6		1,579
172	483000	Water transportation.....								19
173	484000	Truck transportation.....	40	174	49	10	32	23	3	5,967
174	511200	Software publishers.....	54	261	77	50	130	51	70	31,736
175	513300	Telecommunications.....								5,532
176	531210	Offices of real estate agents and brokers.....								5,480
177	541330	Engineering services.....	141	710	95	33	79	74	6	20,823
178	541511	Custom computer programming services.....	144	82	33	106	68	292	106	63,511
179	541512	Computer systems design services.....	17	51	10	8	19	30	14	3,987
180	S00300	Noncomparable imports.....	4	7	2	2	3	8	3	998
Total new equipment, software, and structures.....			20,222	18,108	5,796	1,814	4,012	9,063	1,754	1,324,220

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Industry code	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Nonmetallic mineral mining and quarrying	Support activities for mining
			1110	1120	1130	1140	1150	2110	2121	2122	2123	2130
Equipment and software ¹												
4	Computers and peripheral equipment		345	138	19	2	39	536	78	92	124	280
9	Office and accounting equipment		3	1	1		3	5				5
5	Software		127	145	7		6	783	24	196	258	536
6	Communication equipment		59	19	8	12	20	78	12	14	22	45
7a	Nonmedical instruments and related equipment		81	25	15		9	575	103	147	89	538
8	Photocopy and related equipment		13	10			2	88	5	13	9	32
11	Fabricated metal products		213	201	15	1	18	130	44	8	46	86
12	Engines and turbines		235	78	5	5	4	105	31	8	18	44
13	Metalworking machinery		1					155	44	13	14	47
14	Special industry machinery, n.e.c.				8		2				2	
15	General industrial, including materials handling, equipment		600	228	38	7	26	326	362	176	302	649
16	Electrical transmission, distribution, and industrial apparatus		29	35	4		5	68	39	23	43	140
7b	Medical instruments and related equipment		2				1					
7c	Electromedical equipment											
19	Autos		165	155	6	4	3	106	34	28	60	103
20	Aircraft				2		34	327		16		
21	Ships and boats					37		492				6
22	Railroad equipment								548			
24	Furniture and fixtures		50	16	7		11	96	23	23	44	68
26	Agricultural machinery, including tractors ²		11,875	3,008			522					
27	Construction machinery, including tractors ²		265	85	493	7	15	212	509	378	703	1,085
28	Mining and oilfield machinery							1,379	818	547	578	1,007
29	Service industry machinery		25	9	3		4	24	49	6	31	11
30	Electrical equipment, n.e.c.		2	1			2	68	4	84	4	7
31	Other nonresidential equipment		1,269	694	7	8	20	100	16	18	59	75
18a	Light trucks		6,213	5,820	39		4	204	29	430	52	309
18b	Trucks, other than light, buses and trailers		773	703	153		16	117	213	109	285	125
33	Residential (landlord durables)											
	Total new equipment and software		22,345	11,371	830	83	766	5,974	2,985	2,329	2,743	5,193
Structures ³												
5	Industrial buildings							2,577	239	167	61	1
6	Commercial buildings				5			40	14	17	15	15
9	Religious buildings											
10	Educational buildings											
11	Hospital and institutional buildings											
12	Other nonresidential buildings, excluding farm				35		739					
14	Railroads											
15	Telecommunications											
16	Electric light and power											
17	Gas											
18	Petroleum pipelines							9				
19	Farm nonresidential structures		2,119	1,696								
21a	Petroleum and natural gas, wells							19,377				548
21b	Petroleum and natural gas exploration							1,017				28
22	Other mining construction								399	667	351	
23	Other nonresidential nonbuilding structures		2	6	110	19		4		52		
30a	Single-family structures, nonfarm											
30b	Single-family structures, farm											
31	Multifamily structures											
32	Manufactured homes											
33	Improvements											
34	Other											
35	Brokers' commissions on the sale of new residential structures											
	Total new structures		2,121	1,702	150	19	739	23,024	652	903	427	592
	Total new equipment, software, and structures		24,466	13,073	980	102	1,505	28,998	3,637	3,232	3,170	5,785

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997
purchasers' prices]

Power generation and supply	Natural gas distribution	Water, sewage and other systems	New and maintenance and repair construction	Food manufacturing	Beverage manufacturing	Tobacco manufacturing	Textile mills	Textile product mills	Apparel manufacturing	Leather and allied product manufacturing	Wood product manufacturing	Pulp, paper, and paperboard mills	NIPA line
2211	2212	2213	2300	3110	3121	3122	3130	3140	3150	3160	3210	3221	
1,642	313	81	1,813	791	181	118	94	68	96	18	153	278	4
182	2	1	93	30	8	2	2	1	2	3	3	2	9
2,760	574	125	3,501	984	187	199	156	93	99	17	159	472	5
171	233	19	1,859	117	39	13	12	9	11	2	23	28	6
873	521	74	597	489	63	72	75	28	33	17	97	234	7a
94	16	7	350	74	15	19	10	6	11	2	13	36	8
2,523	118	35	874	533	51	8	32	20	20	6	77	143	11
1,558	431	26	104	26	7	2	4	2	2	2	13	59	12
5		1	245	57	86	2	14	23	5	15	37	188	13
7	2	596	91	1,903	335	141	1,880	319	451	35	987	2,387	14
629	93	393	3,622	2,840	592	91	226	76	145	36	562	1,147	15
8,957	83	23	724	418	68	14	55	20	35	13	63	367	16
2			24	6							1	2	7b
													7c
484	156	60	3,104	303	89	41	36	30	21	5	51	70	19
2			11	4		4					1	6	20
			3	1									21
				7	3	2	2				1	7	22
247	55	15	794	382	67	26	39	29	38	7	63	77	24
													26
508	95	72	10,437	136	38	14	25	8	7	2	68	116	27
	71												28
41	10	26	523	302	353	6	18	10	12	3	24	42	29
79	5	4	99	42	11	2	5	2	1		15	20	30
136	50	30	439	352	54	12	32	14	15	5	101	179	31
3,675	115	88	23,294	274	38	7	29	29	45	7	84	43	18a
250	19	174	3,367	273	113	4	13	9	7	5	58	22	18b
													33
24,825	2,962	1,850	55,968	10,344	2,398	799	2,759	796	1,056	195	2,654	5,925	
6,378			879	1,955	331	54	341	94	194	2	483	415	5
249	12	54	541	79	29	15	27	28	25	23	41	9	6
													9
													10
													11
													12
													14
													15
11,214													16
	6,481												17
													18
													19
													21a
													21b
		2,213	126										22
													23
													30a
													30b
			1										31
													32
													33
													34
													35
17,841	6,493	2,267	1,547	2,034	360	69	368	122	219	25	524	424	
42,666	9,455	4,117	57,515	12,378	2,758	868	3,127	918	1,275	220	3,178	6,349	

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Converted paper product manufacturing	Printing and related support activities	Petroleum and coal products manufacturing	Basic chemical manufacturing	Resin, rubber, and artificial fibers manufacturing	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletry manufacturing	Other chemical product and preparation manufacturing
		Industry code 3222	3230	3240	3251	3252	3253	3254	3255	3256	3259
Equipment and software ¹											
4	Computers and peripheral equipment	240	634	380	1,138	489	159	647	95	201	235
9	Office and accounting equipment	6	48	3	6	6	2	4	2	4	2
5	Software	304	458	654	1,549	859	243	1,003	128	264	280
6	Communication equipment	34	70	44	57	44	9	54	11	23	20
7a	Nonmedical instruments and related equipment	104	115	438	854	554	186	681	74	140	261
8	Photocopy and related equipment	30	143	35	97	58	18	154	14	30	34
11	Fabricated metal products	101	54	236	264	181	96	113	22	41	56
12	Engines and turbines	10	4	71	25	19	11	8	3	6	5
13	Metalworking machinery	143	14	80	80	100	16	66	26	35	6
14	Special industry machinery, n.e.c.	912	2,116	1,028	1,157	568	159	106	80	168	300
15	General industrial, including materials handling, equipment	678	597	1,382	2,022	609	235	510	107	311	221
16	Electrical transmission, distribution, and industrial apparatus	57	85	179	336	104	63	77	13	31	38
7b	Medical instruments and related equipment	1	2		4	2	9	11			
7c	Electromedical equipment										
19	Autos	95	131	68	138	88	30	117	30	73	51
20	Aircraft		1	5	3						
21	Ships and boats										
22	Railroad equipment	2	3	45	79	57	15	28	3	11	10
24	Furniture and fixtures	81	191	58	123	91	26	106	20	52	41
26	Agricultural machinery, including tractors ²										
27	Construction machinery, including tractors ²	30	46	110	151	105	39	53	6	21	19
28	Mining and oilfield machinery										
29	Service industry machinery	30	34	24	63	46	13	59	7	17	19
30	Electrical equipment, n.e.c.	15	8	8	95	7	4	61	1	5	4
31	Other nonresidential equipment	75	90	38	161	120	59	61	17	39	43
18a	Light trucks	53	158	58	64	50	22	41	7	34	25
18b	Trucks, other than light, buses and trailers	25	70	45	36	16	17	18	3	12	10
33	Residential (landlord durables)										
	Total new equipment and software	3,026	5,072	4,989	8,502	4,173	1,431	3,978	669	1,518	1,680
Structures ³											
5	Industrial buildings	329	668	478	2,004	336	88	1,495	107	219	211
6	Commercial buildings	7	24	29	99	29	22	56	27	24	40
9	Religious buildings										
10	Educational buildings										
11	Hospital and institutional buildings										
12	Other nonresidential buildings, excluding farm										
14	Railroads										
15	Telecommunications										
16	Electric light and power										
17	Gas										
18	Petroleum pipelines										
19	Farm nonresidential structures										
21a	Petroleum and natural gas, wells										
21b	Petroleum and natural gas exploration										
22	Other mining construction										
23	Other nonresidential nonbuilding structures										
30a	Single-family structures, nonfarm										
30b	Single-family structures, farm										
31	Multifamily structures										
32	Manufactured homes										
33	Improvements										
34	Other										
35	Brokers' commissions on the sale of new residential structures										
	Total new structures	336	692	507	2,103	365	110	1,551	134	243	251
	Total new equipment, software, and structures	3,362	5,764	5,496	10,605	4,538	1,541	5,529	803	1,761	1,931

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997—Continued
 purchasers' prices]

Plastics and rubber products manufacturing	Nonmetallic mineral product manufacturing	Iron and steel mills and manufacturing from purchased steel	Nonferrous metal production and processing	Foundries	Forging and stamping	Cutlery and handtool manufacturing	Architectural and structural metals manufacturing	Boiler, tank, and shipping container manufacturing	Ordnance and accessories manufacturing	Other fabricated metal product manufacturing	Agriculture, construction, and mining machinery	Industrial machinery manufacturing	NIPA line
3260	3270	331A	331B	3315	3321	3322	3323	3324	332A	332B	3331	3332	
252	319	153	160	93	71	42	152	45	12	527	139	126	4
6	6	2	2	1	1	1	3	1	8	8	2	2	9
390	452	312	281	145	97	52	167	74	23	676	232	232	5
32	64	19	18	10	9	4	18	5	3	48	17	18	6
324	280	155	194	37	54	24	61	37	4	194	72	62	7a
23	26	15	14	7	6	3	12	3	1	39	12	11	8
75	109	49	45	24	15	6	26	13	87	87	20	9	11
10	17	20	16	5	11	3	10	4	26	5	5	2	12
2,978	477	1,383	517	429	478	260	446	187	17	3,112	573	408	13
2,922	831	3	18	203	3	11	4	4	39	52	14	183	14
540	1,284	732	411	201	159	81	274	139	6	652	261	143	15
71	112	205	107	47	32	21	41	20	1	162	45	35	16
1	1						1			2			7b
96	101	47	43	34	26	13	8	19		102	44	42	7c
						2				2	1		19
													20
3	3	3	2	1	1		1			3	1	1	21
89	118	46	39	23	21	13	53	17	2	107	42	32	22
													24
41	168	153	45	9	10	6	26	10	2	50	19	8	26
													27
21	47	25	17	12	6	3	11	7		41	9	4	28
14	19	8	6	2	4	1	4	3	1	18	3	8	29
62	94	31	46	9	11	8	25	12		75	17	12	30
102	124	45	35	45	31	18	12	22	5	102	46	22	31
19	196	17	18	18	10	4	19	6	1	42	13	11	18a
													18b
													33
8,071	4,848	3,423	2,034	1,355	1,056	576	1,374	628	117	6,127	1,587	1,371	
1,028	572	266	277	173	139	36	224	65	17	683	225	339	5
34	59	15	26	19	18	10	21	12	4	65	22	30	6
													9
													10
													11
													12
													14
													15
													16
													17
													18
													19
													21a
													21b
													22
													23
													30a
													30b
													31
													32
													33
													34
													35
1,062	631	281	303	192	157	46	245	77	21	748	247	369	
9,133	5,479	3,704	2,337	1,547	1,213	622	1,619	705	138	6,875	1,834	1,740	

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metalworking machinery manufacturing	Turbine and power transmission equipment manufacturing	Other general purpose machinery manufacturing	Computer and peripheral equipment manufacturing	Audio, video, and communications equipment manufacturing	Semiconductor and electronic component manufacturing	Electronic instrument manufacturing	Magnetic media manufacturing and reproducing
		Industry code 3333	3334	3335	3336	3339	3341	334A	3344	3345	3346
Equipment and software ¹											
4	Computers and peripheral equipment.....	135	75	239	88	187	740	506	789	553	147
9	Office and accounting equipment.....	2	1	3	1	3	7	6	9	8	2
5	Software.....	193	123	392	175	370	1,709	1,217	1,795	1,386	289
6	Communication equipment.....	15	11	23	10	24	79	76	99	93	25
7a	Nonmedical instruments and related equipment.....	86	45	11	55	99	173	303	666	312	41
8	Photocopy and related equipment.....	17	7	16	6	20	56	55	79	64	16
11	Fabricated metal products.....	17	13	53	11	20	11	17	39	24	8
12	Engines and turbines.....	1	3	7	3	5	1	3	6	2	.....
13	Metalworking machinery.....	198	257	604	453	712	181	336	625	466	128
14	Special industry machinery, n.e.c.....	13	12	81	3	18	268	63	7,952	25	55
15	General industrial, including materials handling, equipment.....	114	151	99	133	285	248	472	766	366	60
16	Electrical transmission, distribution, and industrial apparatus.....	26	30	8	53	46	113	239	394	117	26
7b	Medical instruments and related equipment.....	.....	.....	1	.....	1	1	1	2	2	.....
7c	Electromedical equipment.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
19	Autos.....	33	21	39	26	16	46	31	20	33	31
20	Aircraft.....	.....	.....	1	.....	1	1	.....	.....	1	.....
21	Ships and boats.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Railroad equipment.....	1	1	1	1	1	3	3	7	2	2
24	Furniture and fixtures.....	27	22	22	21	59	120	120	178	130	31
26	Agricultural machinery, including tractors ².....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Construction machinery, including tractors ²	6	6	14	10	17	27	32	98	22	11
28	Mining and oilfield machinery.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Service industry machinery.....	6	7	12	5	12	9	10	26	12	2
30	Electrical equipment, n.e.c.....	3	4	6	2	9	41	61	83	47	3
31	Other nonresidential equipment.....	14	10	25	8	25	26	30	67	40	9
18a	Light trucks.....	28	27	23	28	28	38	79	79	16	20
18b	Trucks, other than light, buses and trailers.....	8	7	26	11	10	16	20	34	12	3
33	Residential (landlord durables).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total new equipment and software.....	943	833	1,706	1,103	1,968	3,914	3,680	13,813	3,734	909
Structures ³											
5	Industrial buildings.....	144	120	196	122	301	528	501	2,245	1,410	85
6	Commercial buildings.....	16	20	23	18	23	29	89	226	29	39
9	Religious buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Educational buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Hospital and institutional buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Other nonresidential buildings, excluding farm.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Railroads.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Telecommunications.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Electric light and power.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Gas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Petroleum pipelines.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Farm nonresidential structures.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21a	Petroleum and natural gas, wells.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21b	Petroleum and natural gas exploration.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Other mining construction.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Other nonresidential nonbuilding structures.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30a	Single-family structures, nonfarm.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30b	Single-family structures, farm.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Multifamily structures.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Manufactured homes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Improvements.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Other.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Brokers' commissions on the sale of new residential structures.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total new structures.....	160	140	219	140	324	557	590	2,471	1,439	124
	Total new equipment, software, and structures.....	1,103	973	1,925	1,243	2,292	4,471	4,270	16,284	5,173	1,033

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997—Continued
 purchasers' prices]

Electric lighting equipment manufacturing	Household appliance manufacturing	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade	Retail trade	NIPA line
3351	3352	3353	3359	3361	336A	3364	336B	3370	3391	3399	4200	4A00	
38	48	135	148	311	772	866	135	147	250	195	3,453	5,187	4
1	1	2	2	2	9	10	2	4	4	5	316	875	9
57	63	180	217	861	1,607	2,394	225	134	351	227	3,840	1,908	5
4	5	14	16	31	86	287	21	19	29	25	2,090	2,037	6
34	31	90	119	226	517	565	73	45	95	61	208	59	7a
3	5	11	13	25	66	124	13	14	66	24	662	786	8
10	11	11	19	46	127	51	27	53	26	37	553	617	11
1	1	2	3	2	34	6	3	5	3	4	61	19	12
92	158	298	513	2,412	4,484	1,555	347	288	411	578	725	133	13
13	31	25	209	5	341	41	17	450	46	243	126	349	14
96	106	169	216	1,318	1,593	605	253	321	256	312	2,146	1,105	15
26	19	47	53	152	272	173	87	40	62	40	305	271	16
.....	.....	.....	.....	2	1	2	.....	1	7	1	10	44	7b
.....	.....	.....	.....	.....	.....	.....	.....	.....	39	.....	4	.....	7c
13	12	33	39	60	113	16	16	43	6	24	3,817	2,820	19
.....	.....	2	.....	.....	1	313	.....	.....	3	1	18	4	20
.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	21
.....	.....	1	1	4	6	3	1	1	1	2	.....	.....	22
14	15	29	38	87	212	237	40	59	72	72	1,960	4,035	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
5	5	6	14	51	115	64	23	17	15	16	439	318	27
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
5	3	4	8	16	43	21	10	15	14	15	611	2,002	29
2	2	12	9	6	38	60	9	7	6	4	184	104	30
5	7	15	22	28	106	60	14	37	31	34	1,103	4,331	31
22	28	19	32	91	118	40	53	57	15	19	3,694	3,721	18a
5	3	10	10	12	45	33	13	39	22	22	2,125	834	18b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
446	554	1,115	1,701	5,748	10,706	7,526	1,387	1,796	1,830	1,961	28,450	31,559	
.....	
49	42	155	239	1,374	970	2,054	184	308	301	295	.....	42	5
24	20	18	87	47	65	33	13	57	14	29	4,541	34,075	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
73	62	173	326	1,421	1,035	2,087	197	365	315	324	4,541	34,117	
519	616	1,288	2,027	7,169	11,741	9,613	1,584	2,161	2,145	2,285	32,991	65,676	

Table 2. Distribution of New Equipment and Software

[Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Air transportation	Rail transportation	Water transportation	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Scenic and sightseeing transportation and support activities for transportation	Couriers and messengers	Warehousing and storage	Newspaper, book, and directory publishers
		Industry code 4810	4820	4830	4840	4850	4860	48A0	4920	4930	5111
Equipment and software ¹											
4	Computers and peripheral equipment.....	1,228	290	122	638	164	328	365	315	173	630
9	Office and accounting equipment.....	19	2	1	20	4	2	8	19	13	31
5	Software.....	2,019	320	173	275	133	470	362	899	99	599
6	Communication equipment.....	10,621	216	2,119	740	284	1,453	232	270	84	241
7a	Nonmedical instruments and related equipment.....	117	16	4	64	12	121	17	27	5	3
8	Photocopy and related equipment.....	133	17	6	66	12	15	22	30	25	176
11	Fabricated metal products.....	69	14	56	51	9	56	53	61	24	25
12	Engines and turbines.....	5	25	15	65	62	6	13	17	8	3
13	Metalworking machinery.....	42	243	1	49	10	.....	14	1	.....	14
14	Special industry machinery, n.e.c.....	4	1	1	11	5	.....	11	3	5	496
15	General industrial, including materials handling, equipment.....	1,466	195	167	1,295	100	60	234	269	348	244
16	Electrical transmission, distribution, and industrial apparatus.....	139	82	36	120	35	42	41	40	18	37
7b	Medical instruments and related equipment.....	3	.....	.....	2	2	.....	.....	2	.....	.....
7c	Electromedical equipment.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Autos.....	110	13	37	321	380	44	134	816	91	427
20	Aircraft.....	13,350	.....	4	.....	.....	.....	164	297	5	1
21	Ships and boats.....	.....	.....	1,652	.....	.....	.....	64	.....	.....	.....
22	Railroad equipment.....	.....	4,787	.....	.....	92	.....	.....	.....	.....	.....
24	Furniture and fixtures.....	400	59	36	249	55	32	119	108	104	279
26	Agricultural machinery, including tractors ².....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Construction machinery, including tractors ²	58	60	50	63	14	44	29	30	5	3
28	Mining and oilfield machinery.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Service industry machinery.....	179	42	21	122	28	6	44	55	28	24
30	Electrical equipment, n.e.c.....	16	14	.....	126	1	4	21	32	21	5
31	Other nonresidential equipment.....	167	96	36	165	35	45	105	303	102	98
18a	Light trucks.....	625	67	91	1,261	241	424	304	1,284	90	51
18b	Trucks, other than light, buses and trailers.....	738	169	11	7,652	1,096	20	307	726	48	57
33	Residential (landlord durables).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total new equipment and software.....		31,508	6,728	4,639	13,355	2,774	3,172	2,663	5,604	1,296	3,444
Structures ³											
5	Industrial buildings.....	.....	.....	.....	1,193	.....	.....	.....	.....	147	482
6	Commercial buildings.....	195	58	.....	284	170	2,448	29	254	91	84
9	Religious buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Educational buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Hospital and institutional buildings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Other nonresidential buildings, excluding farm.....	640	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Railroads.....	.....	4,654	.....	.....	.....	.....	268	.....	.....	.....
15	Telecommunications.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Electric light and power.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Gas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Petroleum pipelines.....	.....	.....	.....	.....	.....	960	.....	.....	.....	.....
19	Farm nonresidential structures.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21a	Petroleum and natural gas, wells.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21b	Petroleum and natural gas exploration.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Other mining construction.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Other nonresidential nonbuilding structures.....	497	.....	.....	.....	.....	.....	.....	.....	.....	.....
30a	Single-family structures, nonfarm.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30b	Single-family structures, farm.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Multifamily structures.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Manufactured homes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Improvements.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Other.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Brokers' commissions on the sale of new residential structures.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total new structures.....		1,332	4,712	0	1,477	170	3,408	297	254	238	566
Total new equipment, software, and structures.....		32,840	11,440	4,639	14,832	2,944	6,580	2,960	5,858	1,534	4,010

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997—Continued
 purchasers' prices]

Software publishers	Motion picture and sound recording industries	Radio and television broadcasting	Cable networks and program distribution	Telecommunications	Information services	Data processing services	Monetary authorities, credit intermediation and related activities	Securities, commodity contracts, investments	Insurance carriers and related activities	Funds, trusts, and other financial vehicles	Real estate (and owner occupied dwellings)	Automotive equipment rental and leasing	NIPA line
5112	5120	5131	5132	5133	5141	5142	52A0	5230	5240	5250	5310	5321	
563	216	257	1,185	4,612	208	404	9,042	3,225	3,712	108	1,531	1,055	4
7	8	8	9	156	3	9	2,448	54	135	1	59	16	5
1,638	250	470	626	6,530	393	1,054	6,882	1,386	4,490	200	855	155	9
385	397	2,183	8,561	33,681	174	397	717	341	365	5	707	85	6
1	1	2	5	280	1	2	2	1	5	.....	.....	2	7a
39	251	190	41	212	32	34	747	148	482	5	202	7	8
1	6	2	12	70	.....	2	59	5	16	.....	134	18	11
.....	.....	.....	15	43	1	.....	7	5	5	.....	.....	4	12
.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	13
13	9	45	4	13	21	11	40	5	13	.....	.....	21	14
5	20	4	28	193	1	5	17	3	10	.....	80	126	15
7	28	13	260	1,627	5	16	58	21	32	1	.....	21	16
.....	1	.....	.....	.....	3	.....	.....	.....	64	1	.....	.....	7b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7c
112	225	218	98	843	56	70	1,147	471	2,692	16	1,919	42,817	19
2	.....	.....	.....	14	.....	1	.....	7	18	1	6	.....	20
.....	2	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	21
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
103	271	189	106	1,300	154	77	1,611	492	1,059	11	607	59	24
.....	.....	.....	134	430	1	.....	2	.....	1	.....	.....	25	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27
5	47	6	6	61	10	5	111	35	83	2	258	79	28
11	35	7	89	645	2	11	15	4	12	.....	189	.....	30
24	77	43	39	327	49	18	716	314	553	5	3,049	289	31
28	218	162	203	3,076	42	35	195	41	106	2	272	2,873	18a
.....	3	4	13	411	.....	.....	6	.....	1	.....	8	522	18b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,217	.....	33
2,944	2,065	3,803	11,434	54,527	1,156	2,151	23,832	6,558	13,854	358	16,093	48,194	.....
.....
.....	110	.....	.....	.....	.....	.....	.....	.....	1	.....	2	.....	5
481	308	198	1,149	1,341	146	326	9,263	1,427	2,382	1,499	2,562	129	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
.....	622	902	1,606	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.....	.....	.....	3,337	8,965	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,287	.....	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	172,282	.....	30a
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,449	.....	30b
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22,883	.....	31
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,863	.....	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	80,824	.....	33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,480	.....	35
481	1,040	1,100	6,092	10,306	146	326	9,263	1,427	2,383	1,499	300,632	129	.....
3,425	3,105	4,903	17,526	64,833	1,302	2,477	33,095	7,985	16,237	1,857	316,725	48,323	.....

Table 2. Distribution of New Equipment and Software

(Millions of dollars at

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Consumer goods and general rental centers	Machinery and equipment rental and leasing	Lessors of nonfinancial intangible assets	Legal services	Accounting and bookkeeping services	Architectural and engineering services	Specialized design services	Computer systems design and related services	Management and technical consulting services	Scientific research and development services
		Industry code	532A	5324	5330	5411	5412	5413	5414	5415	5416	5417
Equipment and software ¹											
4	Computers and peripheral equipment.....	397	316	49	1,412	927	2,810	173	1,677	665	599
9	Office and accounting equipment.....	78	6	1	24	29	31	6	16	17	9
5	Software.....	179	167	87	596	1,434	6,200	195	4,497	1,272	1,336
6	Communication equipment.....	302	58	41	185	103	311	35	1,134	162	155
7a	Nonmedical instruments and related equipment.....	4	1			2	581		7	96	381
8	Photocopy and related equipment.....	46	13	5	336	158	554	38	112	119	168
11	Fabricated metal products.....	31	11		15	12	45	2	8	10	19
12	Engines and turbines.....	8	4		1	1	7		1	1	2
13	Metalworking machinery.....		11								
14	Special industry machinery, n.e.c.....	3			1	4	113	561	16	20	8
15	General industrial, including materials handling, equipment.....	55	79		3	6	195	21	20	14	50
16	Electrical transmission, distribution, and industrial apparatus.....	34	22	1	15	12	39	13	15	18	31
7b	Medical instruments and related equipment.....										
7c	Electromedical equipment.....										
19	Autos.....	413	71	2	261	282	1,109	89	239	297	148
20	Aircraft.....	128	28	1		5	9		5	15	6
21	Ships and boats.....	8	258								
22	Railroad equipment.....		16								
24	Furniture and fixtures.....	207	43	12	478	298	184	144	210	200	154
26	Agricultural machinery, including tractors ²										
27	Construction machinery, including tractors ²	28	16	1		2	36		1	4	4
28	Mining and oilfield machinery.....										
29	Service industry machinery.....	125	26	2	45	16	54	5	17	18	27
30	Electrical equipment, n.e.c.....	8	46		5	4	63		41	15	19
31	Other nonresidential equipment.....	1,072	50	5	111	65	196	30	55	76	52
18a	Light trucks.....	596	249	4	49	42	62	20	112	116	122
18b	Trucks, other than light, buses and trailers.....	134	57		1	1	16		1	1	1
33	Residential (landlord durables).....										
	Total new equipment and software.....	3,856	1,548	211	3,538	3,403	12,615	1,332	8,184	3,136	3,291
Structures ³											
5	Industrial buildings.....										
6	Commercial buildings.....	478	218	100	406	405	697	170	1,039	488	537
9	Religious buildings.....										
10	Educational buildings.....										
11	Hospital and institutional buildings.....										
12	Other nonresidential buildings, excluding farm.....				16	13		5	23		
14	Railroads.....										
15	Telecommunications.....										
16	Electric light and power.....										
17	Gas.....										
18	Petroleum pipelines.....										
19	Farm nonresidential structures.....										
21a	Petroleum and natural gas, wells.....										
21b	Petroleum and natural gas exploration.....										
22	Other mining construction.....										
23	Other nonresidential nonbuilding structures.....										
30a	Single-family structures, nonfarm.....										
30b	Single-family structures, farm.....										
31	Multifamily structures.....										
32	Manufactured homes.....										
33	Improvements.....										
34	Other.....										
35	Brokers' commissions on the sale of new residential structures.....										
	Total new structures.....	478	218	100	422	418	697	175	1,062	488	537
	Total new equipment, software, and structures.....	4,334	1,766	311	3,960	3,821	13,312	1,507	9,246	3,624	3,828

See footnotes at the end of the table.

to Using Industries by NIPA Category, 1997—Continued
 purchasers' prices]

Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, museums, zoos, and parks	NIPA line	
5418	5419	5500	5613	5615	561A	5620	6100	6210	6220	6230	6240	71A0		
472	198	1,620	293	177	2,381	184	1,393	1,265	2,277	221	274	347	4	
23	8	39	11	7	163	6	33	46	59	15	13	17	9	
434	199	1,909	372	102	1,778	239	1,566	1,028	2,034	163	266	35	5	
229	92	246	122	121	1,214	138	161	398	735	132	100	169	6	
2	14	34	2		24	66	186	371	483	1	2	1	7a	
90	292	327	55	10	383	24	163	802	1,102	83	105	38	8	
11	22	18	42		185	47	30	9	57	20	16	18	11	
1	12	1	2		44	36	16	4	17		3	4	12	
					1							1	13	
84	26	16	9	1	82	20	18	5	21	14	10	26	14	
37	44	13	11		454	154	75	39	202	28	28	12	15	
9	8	22	3	2	115	70	41	36	88	23	11	2	16	
			2		56		814	3,424	10,597	773			7b	
					1		602	1,919	7,951	138	1		7c	
301	89	472	58	2	1,396	78	71	311	200	56	65	33	19	
11	21	10			74	4	4	79	1	3		7	20	
	5		1	2	1		4					11	21	
													22	
192	81	521	121	44	857	59	462	479	604	151	186	194	24	
													26	
4	66	3	2	1	127	130	14	1	10	2	2	4	27	
													28	
17	8	42	14	7	649	23	469	112	460	253	103	25	29	
8	1	15	2		120	14	82	9	28	40	13		30	
81	74	137	41	49	2,540	81	838	204	585	255	362	301	31	
43	103	121	105	26	748	463	11	198	359	67	63	41	18a	
1	9	1	1		23	535	54	24	14	7	45	7	18b	
													33	
2,050	1,372	5,567	1,269	551	13,416	2,371	7,107	10,763	27,884	2,445	1,668	1,293		
221	271	1,176	103	63	1,260	577	21	222	30	239	1,024	1,173	703	5
														6
														9
							9,308						517	10
								195						11
15	11	25	8	1	53		27	1	12,754	2,148			1,122	12
									107		8			14
														15
														16
														17
														18
														19
														21a
														21b
														22
														23
						968								30a
														30b
														31
														32
														33
														34
							787							35
236	282	1,201	111	64	1,313	1,545	10,365	2,276	13,130	3,172	1,181	2,342		
2,286	1,654	6,768	1,380	615	14,729	3,916	17,472	13,039	41,014	5,617	2,849	3,635		

Table 2. Distribution of New Equipment and Software to Using Industries by NIPA Category, 1997—Continued

[Millions of dollars at purchasers' prices]

NIPA line	For the distribution of capital to using industries, read the row for that commodity or category. For the composition of capital used by an industry, read the column for that industry.	Amusements, gambling, and recreation	Accommodation	Food services and drinking places	Automotive repair and maintenance	Electronic, commercial, and household goods repair	Personal and laundry services	Religious, grantmaking and giving, and social advocacy organizations	Civic, social, professional and similar organizations	Total
		7130	7210	7220	8111	811A	8120	813A	813B	
	Equipment and software ¹									
4	Computers and peripheral equipment	257	270	429	211	150	345	463	223	81,598
9	Office and accounting equipment	19	27	160	19	7	21	28	12	5,721
5	Software	37	205	364	116	160	208	354	182	97,988
6	Communication equipment	109	141	283	39	30	93	221	62	80,154
7a	Nonmedical instruments and related equipment	4	5	10	3	3	7	3		16,555
8	Photocopy and related equipment	11	49	33	15	40	531	243	45	12,640
11	Fabricated metal products	42	37	351	63	20	27	41	6	10,603
12	Engines and turbines	11	24	11	1	1	5	3	1	3,754
13	Metalworking machinery				280	115				29,543
14	Special industry machinery, n.e.c.	11	16	314	230	17	9	36	16	32,851
15	General industrial, including materials handling, equipment	57	62	110	548	84	77	31	5	43,295
16	Electrical transmission, distribution, and industrial apparatus		35	96	68	93	32	17	2	19,359
7b	Medical instruments and related equipment	3								15,893
7c	Electromedical equipment				1					10,659
19	Autos	62	91	1,281	176	74	188	314	45	75,149
20	Aircraft							1		15,049
21	Ships and boats	12	21					8	27	2,630
22	Railroad equipment									5,779
24	Furniture and fixtures	189	1,918	2,293	213	85	152	527	133	30,039
26	Agricultural machinery, including tractors ²									15,405
27	Construction machinery, including tractors ²		7	3	87	15	19	1		19,275
28	Mining and oilfield machinery									4,400
29	Service industry machinery	320	279	4,975	202	13	251	158	30	14,917
30	Electrical equipment, n.e.c.	4	65	178	1	85	65	21	2	3,687
31	Other nonresidential equipment	1,668	381	1,285	74	54	355	414	101	29,084
18a	Light trucks	33	466		2,101	510	551	287	8	69,591
18b	Trucks, other than light, buses and trailers	9	15	336	49	5	71	22	4	23,990
33	Residential (landlord durables)									6,217
	Total new equipment and software	2,858	4,114	12,512	4,497	1,561	3,007	3,193	904	775,805
	Structures ³									
5	Industrial buildings			10						37,811
6	Commercial buildings	993	110	4,965	955	239	928	235	842	89,206
9	Religious buildings							5,623		5,623
10	Educational buildings									9,825
11	Hospital and institutional buildings									15,097
12	Other nonresidential buildings, excluding farm	2,446	15,995	621	344	14	77	12	8	25,496
14	Railroads									4,922
15	Telecommunications									12,302
16	Electric light and power									11,214
17	Gas									6,481
18	Petroleum pipelines									969
19	Farm nonresidential structures									3,815
21a	Petroleum and natural gas, wells									19,925
21b	Petroleum and natural gas exploration									1,045
22	Other mining construction									1,417
23	Other nonresidential nonbuilding structures	411								5,695
30a	Single-family structures, nonfarm									172,282
30b	Single-family structures, farm									1,449
31	Multifamily structures									22,883
32	Manufactured homes									13,864
33	Improvements									80,824
34	Other		3							790
35	Brokers' commissions on the sale of new residential structures									5,480
	Total new structures	3,850	16,108	5,596	1,299	253	1,005	5,870	850	548,415
	Total new equipment, software, and structures	6,708	20,222	18,108	5,796	1,814	4,012	9,063	1,754	1,324,220

1. The line numbers correspond to the line numbers in NIPA Table 5.8. Private Fixed Investment in Equipment and Software by Type.

2. Includes tractors, which is a separate line in the NIPAs.

3. The line numbers correspond to the line numbers in NIPA Table 5.6. Private Fixed Investment in Structures by Type. NOTE: NIPA line numbers followed by a letter indicate that detail has been added to the NIPA line. NIPA National income and product accounts.



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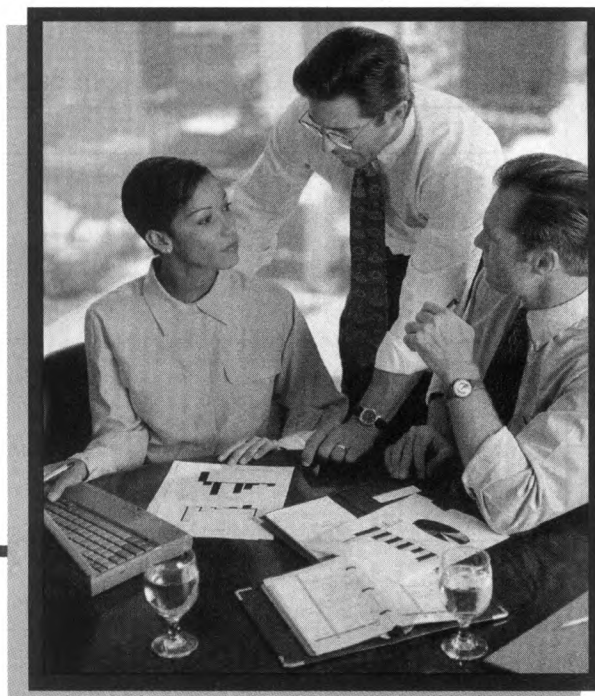
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Reconciliation of the U.S.-Canadian Current Account, 2001 and 2002

By Patricia Abaroa, Edward Dozier, and Denis Caron

ON a reconciled basis, the U.S. deficit, or Canadian surplus, is \$39.1 billion for 2001 and \$38.0 billion for 2002 (chart 1, table 1).¹ The U.S.-published current-account balance with Canada is a U.S. deficit of \$28.1 billion for 2001 and a U.S. deficit of \$30.4 billion for 2002; the corresponding Canadian-published balance is a Canadian surplus (U.S. deficit) of \$37.0 billion for 2001 and a Canadian surplus (U.S. deficit) of \$38.3 billion for 2002.²

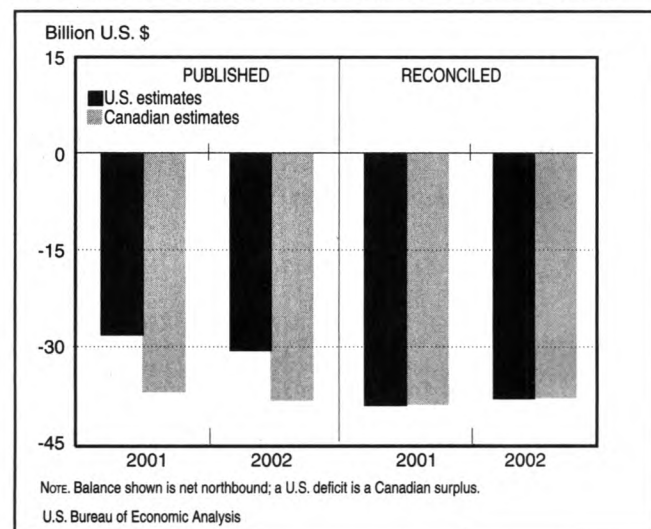
This article presents the results of the reconciliation of the bilateral current-account estimates of Canada and the United States for 2001 and 2002.³ The details of the current-account reconciliation for 2001 and 2002 are presented in the tables that follow this article. Tables 2.1 and 2.2 show the details of the major types

1. The reconciled estimates are intended to show how the current-account estimates would appear if both countries used the same definitions, methodologies, and data sources. In this article, all values are expressed in U.S. dollars.

2. For this year's reconciliation, the U.S. deficit for 2001 is revised from the previously published deficit of \$26.5 billion used in last year's reconciliation, and the Canadian surplus for 2001 is revised from the previously published surplus of \$42.5 billion used in last year's reconciliation.

This article will also be published in *Canada's Balance of International Payments, Third Quarter 2003*.

Chart 1. U.S.-Canadian Current-Account Balance



of reconciliation adjustments—definitional, methodological, and statistical—that were made to the major current-account components. Tables 3.1 and 3.2 present the published estimates, the estimates on a common basis (after the estimates have been adjusted for definitional and methodological differences), the reconciled estimates, and the amounts of the adjustments for each major current-account component. Tables 4–7 present the reconciliation details for goods, services, and investment income.⁴

3. The reconciliation of the current account has been undertaken each year since 1970. Summary results of the reconciliations were published in the United States in the following issues of the *SURVEY OF CURRENT BUSINESS*: June 1975, September 1976 and 1977, December 1979, June 1981, and each December of 1981–91. Complete details of the reconciliations for 1990 forward were published in the following issues of the *SURVEY*: November 1992, each October of 1993–95, and each November of 1996–2002. In Canada, the results were published in the following issues of *Canada's Balance of International Payments* (catalogue 67–001), a publication of Statistics Canada: Fourth Quarter 1973, Second Quarter 1976 and 1977, Third Quarter 1978 and 1979, First Quarter 1981, and each Third Quarter of 1981–2002.

4. For the reconciliation, some of the details presented in the tables in this article differ from those presented in the balance-of-payments tables regularly published by the U.S. Bureau of Economic Analysis and by Statistics Canada.

Table 1. Major U.S.-Canadian Balances

[Billions of U.S. dollars]

	Published estimates		Reconciled estimates	
	United States	Canada	United States	Canada
2001				
Goods and services	-48.7	58.6	-59.5	59.5
Goods	-55.5	62.7	-63.7	63.7
Services	6.8	-4.1	4.2	-4.2
Income	21.4	-23.8	21.4	-21.4
Current unilateral transfers	-0.8	2.2	-0.9	0.9
Current account	-28.1	37.0	-39.1	39.1
2002				
Goods and services	-45.1	55.0	-56.0	56.0
Goods	-50.9	58.6	-59.1	59.1
Services	5.8	-3.6	3.1	-3.1
Income	15.3	-18.9	18.5	-18.5
Current unilateral transfers	-0.6	2.2	-0.5	0.5
Current account	-30.4	38.3	-38.0	38.0

NOTE: A U.S. surplus (+) is a Canadian deficit (-), and a Canadian surplus (+) is a U.S. deficit (-). Details may not add to totals because of rounding.

Reconciled Current-Account Balances

In the U.S. current account, the reconciliation adjustments result in an increase of \$11.0 billion in the U.S. deficit for 2001 and an increase of \$7.6 billion in the U.S. deficit for 2002. In both years, the increases reflect larger upward adjustments to the U.S. southbound estimates than to the U.S. northbound estimates (tables 2.1 and 2.2).⁵ The largest increases in the U.S. southbound estimates result from the addition of Canadian reexports to U.S. goods imports (a definitional adjustment), from the valuation of U.S. natural gas imports to include inland freight (a definitional adjustment), from an increase for undercoverage of some southbound services (a statistical adjustment), and for 2001, from adjustments for statistical differences in direct

5. In this article, the term "northbound" refers to U.S. exports of goods and services, U.S. income receipts, and current unilateral transfers to the United States, and it refers to Canadian imports of goods and services, Canadian income payments, and current unilateral transfers from Canada. The term "southbound" refers to U.S. imports of goods and services, U.S. income payments, and current unilateral transfers from the United States, and it refers to Canadian exports of goods and services, Canadian income receipts, and current unilateral transfers to Canada.

Acknowledgments

The reconciliations were carried out under the direction of Denis Caron, Chief, Current Account, in Statistics Canada's Balance of Payments Division; Patricia Abaroa and Edward Dozier, international economists in BEA's Balance of Payments Division; and Anthony DiLullo, former Assistant Chief of BEA's Balance of Payments Division and currently serving as a consultant to BEA. At Statistics Canada, Denis Caron was responsible for reconciling Canadian goods and services, Éric Simard for Canadian direct investment income, and Robert Théberge for Canadian portfolio investment income, with the collaboration and assistance of Brian André, Heather Collier, and Jacqueline Dickie. At BEA, Patricia Abaroa was responsible for reconciling the U.S. portfolio income accounts; Mark New, for the accounts related to U.S. direct investment in Canada; Gregory Fouch, for the accounts related to Canadian direct investment in the United States; Mai-Chi Hoang, for goods; and Michael Mann and Edward Dozier, for services, with the assistance of Mary-Frances Styczynski for financial services.

Note on the U.S.-Canadian Current-Account Reconciliation

The U.S.-Canadian current-account reconciliation, which explains the differences between the estimates of the bilateral current account published by the U.S. Bureau of Economic Analysis (BEA) and those published by Statistics Canada, is undertaken because of the extensive economic links between Canada and the United States. The reconciled estimates are intended to assist analysts who use both countries' statistics and to show how the current-account estimates would appear if both countries used common definitions, methodologies, and data sources.¹

In principle, the bilateral current account of one country should mirror the bilateral current account of the other country. Differences occur in the published estimates of the U.S. and Canadian current accounts because of variations in the definitions, methodologies, and statistical sources that are used by each country. Some of the differences for 2002 are in components of the current account for which data are still preliminary and subject to revision; these differences may be eliminated when final data for these components become available.

1. A detailed article on the methodology was published by BEA in "Reconciliation of the U.S.-Canadian Current Account" in the November 1992 *Survey* and by Statistics Canada in *Reconciliation of the Canadian-United States Current Account, 1990-1991*. Statistics Canada also published a shortened version in the December 1992 *Canadian Economic Observer* and in Canada's *Balance of International Payments, Third Quarter 1992*.

The longstanding Canadian-U.S. current-account reconciliation is among the leading examples of the benefits of international data exchanges. As a result of the reconciliation process and the exchange of data, the accuracy of the published estimates of transactions between Canada and the United States and the efficiency in producing the estimates have increased. The exchange of data between Canada and the United States—for transactions such as trade in goods, travel, passenger fares, Canadian and U.S. Government transactions, and some large transportation transactions—covers more than 80 percent of the value of the Canadian and U.S. current account and has eliminated some of the differences in the Canadian- and U.S.-published estimates.

Although the U.S.- and Canadian-published estimates are reconciled and there is extensive exchange of data between Canada and the United States, differences in the published estimates remain. Complete substitution of the reconciled estimates for published estimates and complete exchange of data are not feasible for several reasons. For trade in goods, imports in the U.S. accounts would be affected because the United States attributes Canadian reexports to the country of origin rather than to Canada, the last country of shipment. For some accounts, the protection of the confidentiality of the source data bars the exchange of data. Finally, a few differences are attributable to different requirements for integrating the international and national (domestic) accounts in each country.

investment income. The largest increases in the U.S. northbound estimates result from upward adjustments to investment income for undercoverage of income on U.S. holdings of Canadian bonds (definitional and statistical adjustments).

In the Canadian current account, the reconciliation adjustments result in an increase of \$2.1 billion in the 2001 Canadian surplus and in a decrease of \$0.3 billion in the 2002 Canadian surplus. In both years, the changes to the Canadian surplus reflect downward adjustments to both southbound estimates and northbound estimates. For 2001, the increase reflects a larger downward adjustment to the Canadian northbound estimate than to the Canadian southbound estimate, and for 2002, the decrease reflects a larger downward

adjustment to the Canadian southbound estimate than to the Canadian northbound estimate. In both years, the Canadian southbound estimates were adjusted downward to account for definitional differences, mainly in unilateral transfers; to account for methodological differences, mainly the netting of Canadian bank claims and liabilities in "other" investment income; and downward adjustments to account for statistical differences, mainly in direct investment income. In the Canadian northbound estimates for both years, downward adjustments for definitional and methodological differences were mainly in "other" investment income, and downward adjustments for statistical differences were mainly in "other" services. Although the methodological adjustments explain part

Table 2.1. Summary of Reconciliation Adjustments, Northbound, 2001

[Millions of U.S. dollars]

	Definitional		Methodological				Statistical		Total	
	United States	Canada	Reclassification		Gross or net		United States	Canada	United States	Canada
			United States	Canada	United States	Canada				
Goods, balance of payments basis	125	-198	264				229	-580	618	-779
Valuation adjustments	125	-198							125	-198
Reclassification of equipment repairs from unaffiliated services.....			264						264	
Statistical adjustments							229	-580	229	-580
Services	-27	-500	-264	-69			478	-333	186	-901
Travel			790				-131	30	659	30
Reclassification of education from unaffiliated services.....			569						569	
Reclassification of medical services from unaffiliated services.....			221						221	
Statistical adjustments							-131	30	-131	30
Passenger fares							-422		-422	
Statistical adjustments							-422		-422	
Other transportation		-106		212			-61	91	-61	198
Valuation adjustments		-106								-106
Reclassification of transportation services from unaffiliated services.....				212						212
Statistical adjustments							-61	91	-61	91
Other services	-27	-394	-1,054	-281			1,092	-454	10	-1,129
Affiliated		-94	-362				118	-1,925	-244	-2,019
Valuation adjustments		-94								-94
Reclassification of film rentals and courier services to unaffiliated services.....			-362						-362	
Statistical adjustments							118	-1,925	118	-1,925
Unaffiliated	11	-300	-692	-281			974	1,412	293	831
Valuation adjustments	11	-300							11	-300
Reclassification of transactions to or from other accounts.....			-692	-281					-692	-281
Statistical adjustments							974	1,412	974	1,412
U.S. military sales.....	-38							59	-38	59
Valuation adjustments	-38								-38	
Statistical adjustments								59		59
Income	2,253	-3,593		69	-1,204	-2,186	265	906	1,314	-4,804
Direct investment.....	-94	-491		-26		-113	-269	1,292	-363	662
Valuation adjustments	-94	-491							-94	-491
Reclassification of dividends to "other" income.....				-26						-26
Adjustment of interest income to a net basis						-113				-113
Statistical adjustments							-269	1,292	-269	1,292
Other investment.....	2,347	-3,102		26	-1,204	-2,073	534	-398	1,677	-5,547
Interest adjustment for coverage of U.S. holdings of Canadian bonds	1,583	-1,475							1,583	-1,475
Other valuation adjustments	764	-1,627							764	-1,627
Reclassification of dividends from direct investment.....				26						26
Adjustment of interest income to a net basis					-1,204	-2,073			-1,204	-2,073
Statistical adjustments							534	-398	534	-398
Compensation of employees.....				69				12		81
Current unilateral transfers.....	-202	-481				297	49		144	-481
Valuation adjustments	-202	-481							-202	-481
Adjustment of U.S. transfers to a gross basis.....						297			297	
Statistical adjustments							49		49	
Total adjustments.....	2,149	-4,772			-907	-2,186	1,021	-7	2,262	-6,965

of the total adjustments to the northbound and the southbound estimates of "other" investment income, they do not affect the current-account balance because the northbound and the southbound methodological adjustments are offsetting.

Summary of Reconciliation Methodology

In reconciling the differences in the U.S.- and Canadian-published bilateral current-account estimates, the estimates are first restated on a common basis—that is, they are adjusted for definitional and methodological differences; the remaining adjustments that are needed to reach the reconciled values are the statistical adjustments. The framework for reconciling the U.S. and Canadian estimates to a common basis mainly follows the

international standards published in the International Monetary Fund's *Balance of Payments Manual* (fifth edition). The U.S.- and Canadian-published estimates now largely conform to the international standards, but some differences with the international standards—and between the U.S. and Canadian estimates—remain in the published estimates because of data limitations, difficulties in determining country attribution, differences in classification and because in a few cases, international standards provide for more than one acceptable treatment.

The definitional adjustments mainly reflect data limitations and differences in country attribution. For example, as part of the reconciliation, U.S.-published estimates of imports of goods from Canada

Table 2.1. Summary of Reconciliation Adjustments, Northbound, 2002

[Millions of U.S. dollars]

	Definitional		Methodological				Statistical		Total	
	United States	Canada	Reclassification		Gross or net		United States	Canada	United States	Canada
			United States	Canada	United States	Canada				
Goods, balance of payments basis	-45	-409	239				216	-619	411	-1,028
Valuation adjustments	-45	-409							-45	-409
Reclassification of equipment repairs from unaffiliated services			239						239	
Statistical adjustments							216	-619	216	-619
Services	-44	-524	-239	-72			-242	-281	-525	-877
Travel			874				-122	21	752	21
Reclassification of education from unaffiliated services			623						623	
Reclassification of medical services from unaffiliated services			251						251	
Statistical adjustments							-122	21	-122	21
Passenger fares							-436		-436	
Statistical adjustments							-436		-436	
Other transportation		-90		209			-53	180	-53	299
Valuation adjustments		-90								-90
Reclassification of transportation services from unaffiliated services				209						209
Statistical adjustments							-53	180	-53	180
Other services	-44	-434	-1,113	-281			369	-482	-788	-1,197
Affiliated		-85	-402				-429	-1,445	-831	-1,530
Valuation adjustments		-85								-85
Reclassification of film rentals and courier services to unaffiliated services			-402						-402	
Statistical adjustments							-429	-1,445	-429	-1,445
Unaffiliated		-349	-711	-281			798	920	87	290
Valuation adjustments		-349								-349
Reclassification of transactions to or from other accounts			-711	-281					-711	-281
Statistical adjustments							798	920	798	920
U.S. military sales	-44							43	-44	43
Valuation adjustments	-44								-44	
Statistical adjustments								43		43
Income	2,295	-3,201		72	-796	-1,041	1,537	1,785	3,036	-2,385
Direct investment	-115	-511		-26		-98	-250	2,098	-365	1,463
Valuation adjustments	-115	-511							-115	-511
Reclassification of dividends to "other" income				-26						-26
Adjustment of interest income to a net basis						-98				-98
Statistical adjustments							-250	2,098	-250	2,098
Other investment	2,410	-2,690		26	-796	-943	1,787	-324	3,401	-3,931
Interest adjustment for coverage of U.S. holdings of Canadian bonds	1,725	-1,613							1,725	-1,613
Other valuation adjustments	685	-1,077							685	-1,077
Reclassification of dividends from direct investment				26						26
Adjustment of interest income to a net basis					-796	-943			-796	-943
Statistical adjustments							1,787	-324	1,787	-324
Compensation of employees				72				11		83
Current unilateral transfers	-22	-378			258		50		286	-378
Valuation adjustments	-22	-378							-22	-378
Adjustment of U.S. transfers to a gross basis					258				258	
Statistical adjustments							50		50	
Total adjustments	2,184	-4,512			-538	-1,041	1,561	885	3,208	-4,668

are adjusted to include Canadian reexports to the United States (goods imported by Canada from third countries and then reexported to the United States without substantial change) because U.S. imports of goods are recorded on a country-of-origin basis. Another example of a definitional adjustment is that the Canadian estimates, mainly investment income, are adjusted to a basis that is net of withholding taxes because the U.S. withholding tax estimates—which are included on a global basis in the U.S.-published accounts—cannot be allocated by country for comparison with the Canadian estimates.

The methodological adjustments mainly reflect differences in classification. For example, parts of the U.S. estimates of film rentals and courier services are re-

corded in various services accounts; for reconciliation, they are reclassified to a single account. A few U.S. and Canadian accounts, mainly interest income, are adjusted to a net or gross basis for comparability.

Statistical differences reflect the use of different source data in the United States and Canada; the difficulty in determining country attribution because of insufficient data; the preliminary nature of some of the data, particularly for the most recent year; and the use of sample data between benchmarks. For both the northbound and the southbound estimates, most of the statistical differences are in the U.S. and Canadian estimates of “other” services and of investment income.

Table 2.2. Summary of Reconciliation Adjustments, Southbound, 2001

[Millions of U.S. dollars]

	Definitional		Methodological				Statistical		Total	
	Canada	United States	Reclassification		Gross or net		Canada	United States	Canada	United States
			Canada	United States	Canada	United States				
Goods, balance of payments basis	131	8,460		9			78	387	208	8,855
Valuation adjustments	-2,018	306							-2,018	306
Canadian reexports to the United States		6,005								6,005
Inland freight adjustment	2,149	2,149							2,149	2,149
Reclassification of equipment repairs from unaffiliated services				9						9
Statistical adjustments							78	387	78	387
Services	-266	-84	-212	-9			-453	2,920	-929	2,827
Travel				17				62		79
Reclassification of education from unaffiliated services				17						17
Statistical adjustments								62		62
Passenger fares										
Other transportation	-96	-64	91	-121			153	-124	148	-309
Valuation adjustments	-96	-64							-96	-64
Reclassification of courier services to unaffiliated services				-121						-121
Reclassification of transportation services from unaffiliated services			91						91	
Statistical adjustments							153	-124	153	-124
Other services	-170	-20	-303	95			-606	2,982	-1,077	3,057
Affiliated	-27			-28			-1,080	587	-1,107	559
Valuation adjustments	-27								-27	
Reclassification of selected services to unaffiliated services				-28						-28
Statistical adjustments							-1,080	587	-1,080	587
Unaffiliated	-143		-303	123			474	2,395	28	2,518
Valuation adjustments	-143								-143	
Reclassification of transactions to or from other accounts			-303	123					-303	123
Statistical adjustments							474	2,395	474	2,395
U.S. defense expenditures		-20								-20
Valuation adjustments		-20								-20
Statistical adjustments										
Income	-523	-448	212		-2,186	-1,204	172	3,000	-2,325	1,348
Direct investment	-205	-207			-113		-581	2,871	-899	2,664
Valuation adjustments	-205	-207							-205	-207
Adjustment of interest income to a net basis					-113				-113	
Statistical adjustments							-581	2,871	-581	2,871
Other investment	-318	-241			-2,073	-1,204	668	129	-1,723	-1,316
Valuation adjustments	-318	-241							-318	-241
Adjustment of interest income to a net basis					-2,073	-1,204			-2,073	-1,204
Statistical adjustments							668	129	668	129
Compensation of employees			212				85		297	
Current unilateral transfers	-1,936	-92				297	127		-1,809	205
Valuation adjustments	-1,936	-92							-1,936	-92
Adjustment of U.S. transfers to a gross basis						297				297
Statistical adjustments							127		127	
Total adjustments	-2,594	7,836			-2,186	-907	-76	6,307	-4,855	13,235

Table 2.2. Summary of Reconciliation Adjustments, Southbound, 2002

[Millions of U.S. dollars]

	Definitional		Methodological				Statistical		Total	
	Canada	United States	Reclassification		Gross or net		Canada	United States	Canada	United States
			Canada	United States	Canada	United States				
Goods, balance of payments basis	-694	8,296		5			171	371	-524	8,672
Valuation adjustments	-2,209	247							-2,209	247
Canadian reexports to the United States		6,534								6,534
Inland freight adjustment	1,515	1,515							1,515	1,515
Reclassification of equipment repairs from unaffiliated services				5						5
Statistical adjustments						171	371		171	371
Services	-423	-83	-220	-5			332	2,299	-310	2,211
Travel				16				60		76
Reclassification of education from unaffiliated services				16				60		16
Statistical adjustments								60		60
Passenger fares								-1		-1
Other transportation	-115	-66	90	-313			139	-82	114	-461
Valuation adjustments	-115	-66							-115	-66
Reclassification of courier services to unaffiliated services				-313						-313
Reclassification of transportation services from unaffiliated services			90						90	
Statistical adjustments						139	-82		139	-82
Other services	-308	-17	-310	292			193	2,322	-424	2,597
Affiliated	-22			-28			-596	388	-618	360
Valuation adjustments	-22								-22	
Reclassification of selected services to unaffiliated services				-28						-28
Statistical adjustments						-596	388		-596	388
Unaffiliated	-286	3	-310	320			779	1,934	183	2,257
Valuation adjustments	-286	3							-286	3
Reclassification of transactions to or from other accounts			-310	320					-310	320
Statistical adjustments						779	1,934		779	1,934
U.S. defense expenditures		-20					10		10	-20
Valuation adjustments		-20								-20
Statistical adjustments						10			10	
Income	-1,726	-407	220		-1,041	-796	612	1,011	-1,935	-192
Direct investment	-1,519	-23			-98		-16	693	-1,633	670
Valuation adjustments	-1,519	-23							-1,519	-23
Adjustment of interest income to a net basis					-98					-98
Statistical adjustments							-16	693	-16	693
Other investment	-207	-384			-943	-796	543	318	-607	-862
Valuation adjustments	-207	-384							-207	-384
Adjustment of interest income to a net basis					-943	-796			-943	-796
Statistical adjustments							543	318	543	318
Compensation of employees			220				85		305	
Current unilateral transfers	-1,879	-106					258	-236	-2,115	152
Valuation adjustments	-1,879	-106							-1,879	-106
Adjustment of U.S. transfers to a gross basis							258			258
Statistical adjustments							-236		-236	
Total adjustments	-4,722	7,700			-1,041	-538	879	3,681	-4,884	10,843

Table 3.1. U.S.-Canadian Current-Account Reconciliation, Northbound

[Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates	
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	United States	Canada
2001										
Goods and services	187,972	190,456	-2,484	188,070	189,689	-1,619	188,776	188,776	804	-1,680
Goods, balance of payments basis	163,259	164,656	-1,397	163,648	164,457	-809	163,877	163,877	618	-779
Services	24,713	25,800	-1,087	24,422	25,232	-810	24,899	24,899	186	-901
Travel	6,595	7,224	-629	7,385	7,224	161	7,254	7,254	659	30
Passenger fares	1,768	1,346	422	1,768	1,346	422	1,346	1,346	-422	.....
Other transportation	2,478	2,219	259	2,478	2,325	153	2,417	2,417	-61	198
Other services	13,872	15,011	-1,139	12,791	14,337	-1,546	13,882	13,882	10	-1,129
Income	21,880	27,998	-6,118	22,929	22,290	639	23,194	23,194	1,314	-4,804
Investment income	21,799	27,998	-6,199	22,848	22,221	627	23,113	23,113	1,314	-4,885
Direct investment	11,975	10,950	1,025	11,881	10,321	1,560	11,612	11,612	-363	662
Other investment	9,824	17,048	-7,224	10,967	11,900	-933	11,501	11,501	1,677	-5,547
Compensation of employees	81	(¹)	81	81	69	12	81	81	.....	81
Current unilateral transfers	(²)	625	-625	95	144	-49	144	144	144	-481
Current account, northbound	209,852	219,079	-9,227	211,094	212,123	-1,029	212,114	212,114	2,262	-6,965
2002										
Goods and services	185,364	187,155	-1,791	185,277	186,149	-872	185,250	185,250	-114	-1,905
Goods, balance of payments basis	160,895	162,334	-1,439	161,090	161,925	-835	161,306	161,306	411	-1,028
Services	24,469	24,821	-352	24,187	24,224	-37	23,944	23,944	-525	-877
Travel	6,268	6,999	-731	7,142	6,999	143	7,020	7,020	752	21
Passenger fares	1,717	1,281	436	1,717	1,281	436	1,281	1,281	-436	.....
Other transportation	2,624	2,272	352	2,624	2,391	233	2,571	2,571	-53	299
Other services	13,860	14,269	-409	12,704	13,553	-849	13,072	13,072	-788	-1,197
Income	19,368	24,789	-5,421	20,866	20,619	247	22,404	22,404	3,036	-2,385
Investment income	19,285	24,789	-5,504	20,783	20,547	236	22,321	22,321	3,036	-2,468
Direct investment	11,208	9,380	1,828	11,093	8,745	2,348	10,843	10,843	-365	1,463
Other investment	8,077	15,409	-7,332	9,690	11,802	-2,112	11,478	11,478	3,401	-3,931
Compensation of employees	83	(¹)	83	83	72	11	83	83	.....	83
Current unilateral transfers	(²)	664	-664	236	286	-50	286	286	286	-378
Current account, northbound	204,732	212,608	-7,876	206,379	207,054	-675	207,940	207,940	3,208	-4,668

1. In the Canadian published accounts, compensation of employees is included in "other" services.

2. Current unilateral transfers are published on a net basis in the U.S. accounts and appear as net payments in table 3.2.

Table 3.2. U.S.-Canadian Current-Account Reconciliation, Southbound

[Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates	
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Canada	United States
2001										
Goods and services	249,037	236,634	12,403	248,691	245,007	3,684	248,316	248,316	-721	11,682
Goods	227,384	218,737	8,647	227,515	227,205	310	227,592	227,592	208	8,855
Services	21,653	17,897	3,756	21,176	17,802	3,374	20,724	20,724	-929	2,827
Travel	6,424	6,345	79	6,424	6,362	62	6,424	6,424	.....	79
Passenger fares	685	685	.....	685	685	.....	685	685	.....	.....
Other transportation	2,880	3,337	-457	2,875	3,152	-277	3,028	3,028	148	-309
Other services	11,664	7,530	4,134	11,192	7,603	3,589	10,587	10,587	-1,077	3,057
Income	4,137	464	3,673	4,137	1,638	-1,187	4,137	1,812	-2,325	1,348
Investment income	4,137	167	3,970	4,137	1,426	-1,484	4,137	1,515	-2,622	1,348
Direct investment	-2,049	-5,612	3,563	-2,368	-5,819	3,451	-2,948	-2,948	-899	2,664
Other investment	6,186	5,779	407	3,794	4,335	-541	4,463	4,463	-1,723	-1,316
Other private investment	4,945	4,076	869	2,728	2,873	-145	3,199	3,199	-1,746	-877
U.S. Government liabilities	1,241	1,703	-462	1,066	1,462	-396	1,264	1,264	23	-439
Compensation of employees	(¹)	297	-297	212	297	-85	297	297	.....	.....
Current unilateral transfers	2,857	843	2,014	921	1,048	-127	1,048	1,048	-1,809	205
Current account, southbound	256,031	237,941	18,090	251,250	244,868	6,382	251,176	251,176	-4,855	13,235
2002										
Goods and services	242,151	230,434	11,717	240,815	238,647	2,168	241,317	241,317	-834	10,883
Goods	220,957	211,761	9,196	220,262	220,062	200	220,433	220,433	-524	8,672
Services	21,194	18,673	2,521	20,553	18,585	1,968	20,884	20,884	-310	2,211
Travel	6,565	6,489	76	6,565	6,505	60	6,565	6,565	.....	76
Passenger fares	593	594	-1	593	594	-1	593	593	.....	-1
Other transportation	3,014	3,589	-575	2,989	3,210	-221	3,128	3,128	114	-461
Other services	11,022	8,001	3,021	10,406	8,276	2,130	10,588	10,588	-424	2,597
Income	5,852	4,109	1,743	3,302	2,906	396	3,917	3,917	-1,935	-192
Investment income	5,852	3,804	2,048	3,083	2,601	482	3,612	3,612	-2,240	-192
Direct investment	1,090	-1,213	2,303	-528	-1,236	708	-543	-543	-1,633	670
Other investment	4,762	5,017	-255	3,611	3,837	-226	4,155	4,155	-607	-862
Other private investment	3,816	3,804	12	2,782	3,007	-225	3,326	3,326	-490	-478
U.S. Government liabilities	946	1,213	-267	829	830	-1	829	829	-117	-384
Compensation of employees	(¹)	305	-305	219	305	-86	305	305	.....	.....
Current unilateral transfers	2,857	590	2,267	978	742	236	742	742	-2,115	152
Current account, southbound	250,860	235,133	15,727	245,095	242,295	2,800	245,976	245,976	-4,884	10,843

1. In the Canadian published accounts, compensation of employees is included in "other" services.

Table 4.1. Trade in Goods, Northbound
[Millions of U.S. dollars]

	U.S. receipts	Canadian payments
2001		
Balance of payments basis, published	163,259	164,656
Definitional and methodological adjustments:		
Valuation adjustments.....	125	-199
Reclassification of equipment repairs from unaffiliated services.....	264	.....
Common basis after definitional and methodological adjustments.....	163,648	164,457
Statistical adjustments.....	229	-580
Reconciled, including statistical adjustments	163,877	163,877
2002		
Balance of payments basis, published	160,895	162,334
Definitional and methodological adjustments:		
Valuation adjustments.....	-45	-409
Reclassification of equipment repairs from unaffiliated services.....	239	.....
Common basis after definitional and methodological adjustments.....	161,090	161,925
Statistical adjustments.....	216	-619
Reconciled, including statistical adjustments	161,306	161,306

Table 4.2. Trade in Goods, Southbound
[Millions of U.S. dollars]

	Canadian receipts	U.S. payments
2001		
Balance of payments basis, published	227,384	218,737
Definitional and methodological adjustments:		
Valuation adjustments.....	-2,018	306
Canadian reexports to the United States.....	.....	6,005
Inland freight adjustment.....	2,149	2,149
Reclassification of equipment repairs from unaffiliated services.....	.....	9
Common basis after definitional and methodological adjustments.....	227,515	227,205
Statistical adjustments.....	78	387
Reconciled, including statistical adjustments	227,592	227,592
2002		
Balance of payments basis, published	220,957	211,761
Definitional and methodological adjustments:		
Valuation adjustments.....	-2,210	247
Canadian reexports to the United States.....	.....	6,534
Inland freight adjustment.....	1,515	1,515
Reclassification of equipment repairs from unaffiliated services.....	.....	5
Common basis after definitional and methodological adjustments.....	220,262	220,062
Statistical adjustments.....	171	371
Reconciled, including statistical adjustments	220,433	220,433

Table 5.1. Travel, Passenger Fares, and Other Transportation, Northbound
 [Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates		
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	United States	Canada	Type of adjustment
2001											
Travel	6,595	7,224	-629	7,385	7,224	161	7,254	7,254	659	30	
Business and personal	6,595	6,464	131	6,595	6,464	131	6,464	6,464	-131		Statistical
Education	549	549	-549	569	549	20	569	569	569	20	Reclassification and statistical
Medical	211	211	-211	221	211	10	221	221	221	10	Reclassification and statistical
Passenger fares	1,768	1,346	422	1,768	1,346	422	1,346	1,346	-422		Statistical
Other transportation	2,478	2,219	259	2,478	2,325	153	2,417	2,417	-61	198	
Freight	1,858	1,877	-19	1,850	1,771	79	1,844	1,844	-14	-33	
Ocean	162	246	-84	154	116	38	177	177	15	-69	Definitional, reclassification, and statistical
Air	81	19	62	81	43	38	43	43	-38	24	Definitional and statistical
Truck	1,243	1,243		1,243	1,243		1,243	1,243			
Other	372	369	3	372	369	3	381	381	9	12	Statistical
Port services	620	299	321	620	511	109	530	530	-90	231	
Vessel operators	81	20	61	81	20	61	20	20	-61		Statistical
Airline operators	274	260	14	274	260	14	274	274		14	Statistical
Other	265	19	246	265	231	34	236	236	-29	217	Reclassification and statistical
Other		43	-43	8	43	-35	43	43	43		Reclassification and statistical
2002											
Travel	6,268	6,999	-731	7,142	6,999	143	7,020	7,020	752	21	
Business and personal	6,268	6,146	122	6,268	6,146	122	6,146	6,146	-122		Statistical
Education	607	607	-607	623	607	16	623	623	623	16	Reclassification and statistical
Medical	245	245	-245	251	245	6	251	251	251	6	Reclassification and statistical
Passenger fares	1,717	1,281	436	1,717	1,281	436	1,281	1,281	-436		Statistical
Other transportation	2,624	2,272	352	2,624	2,391	233	2,571	2,571	-53	299	
Freight	1,937	1,940	-3	1,929	1,848	81	1,934	1,934	-3	-6	
Ocean	136	242	-106	128	126	2	173	173	37	-69	Definitional, reclassification, and statistical
Air	87	15	72	87	39	48	39	39	-48	24	Definitional and statistical
Truck	1,306	1,308	-2	1,306	1,308	-2	1,306	1,306		-2	Statistical
Other	408	375	33	408	375	33	416	416	8	41	Statistical
Port services	687	293	394	687	504	183	598	598	-89	305	
Vessel operators	74	19	55	74	22	52	22	22	-52	3	Definitional and statistical
Airline operators	343	255	88	343	255	88	343	343		88	Statistical
Other	270	19	251	270	228	42	233	233	-37	214	Reclassification and statistical
Other		39	-39	8	39	-31	39	39	39		Reclassification and statistical

Table 5.2. Travel, Passenger Fares, and Other Transportation, Southbound

[Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates			Type of adjustment
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Canada	United States		
2001												
Travel	6,424	6,345	79	6,424	6,362	62	6,424	6,424			79	
Business and personal	6,305	6,345	-40	6,305	6,345	-40	6,305	6,305			-40	Statistical
Education	70		70	70	17	53	70	70			70	Reclassification and statistical
Medical	49		49	49		49	49	49			49	Statistical
Passenger fares	685	685		685	685		685	685				
Other transportation	2,880	3,337	-457	2,875	3,152	-277	3,028	3,028	148		-309	
Freight	2,270	2,590	-320	2,270	2,428	-158	2,348	2,348	78		-242	Definitional, reclassification, and statistical
Ocean	92	275	-183	92	247	-155	170	170	78		-105	
Air	45	45		45	45		45	45				
Truck	2,028	2,028		2,028	2,028		2,028	2,028				Reclassification and statistical
Other	105	242	-137	105	108	-3	105	105			-137	
Port services	499	747	-248	594	696	-102	652	652	153		-95	Definitional and statistical
Vessel operators	47	129	-82	50	65	-15	65	65	18		-64	
Airline operators	390	511	-121	390	390		390	390			-121	
Other	62	107	-45	153	241	-88	197	197	135		90	
Other	110		110	11	28	-17	28	28	-82		28	Definitional, reclassification, and statistical
2002												
Travel	6,565	6,489	76	6,565	6,505	60	6,565	6,565			76	
Business and personal	6,436	6,489	-53	6,436	6,489	-53	6,436	6,436			-53	Statistical
Education	78		78	78	16	62	78	78			78	Reclassification and statistical
Medical	52		52	52		52	52	52			52	Statistical
Passenger fares	593	594	-1	593	594	-1	593	593			-1	Statistical
Other transportation	3,014	3,589	-575	2,989	3,210	-221	3,128	3,128	114		-461	
Freight	2,437	2,705	-268	2,437	2,543	-106	2,508	2,508	71		-197	Definitional, reclassification, and statistical
Ocean	107	238	-131	107	212	-105	160	160	53		-78	
Air	48	51	-3	48	51	-3	51	51	3			
Truck	2,157	2,171	-14	2,157	2,171	-14	2,171	2,171	14			Statistical
Other	126	245	-119	126	109	17	126	126			-119	Reclassification and statistical
Port services	446	884	-438	539	641	-102	594	594	148		-290	Definitional and statistical
Vessel operators	52	132	-80	55	66	-11	66	66	14		-66	
Airline operators	329	642	-313	329	329		329	329			-313	
Other	65	110	-45	155	246	-91	199	199	134		89	
Other	131		131	13	26	-13	26	26	-105		26	Definitional, reclassification, and statistical

Table 6.1. Other Services, Northbound

[Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates			Type of adjustment
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	United States	Canada		
2001												
Total	13,872	15,011	-1,139	12,791	14,337	-1,546	13,882	13,882	10	-1,129		
Affiliated.....	6,813	8,588	-1,775	6,451	8,494	-2,043	6,568	6,568	-245	-2,020	Definitional, reclassification, and statistical	
Royalties and license fees	2,156	2,103	53	2,156	2,072	84	(¹)	(¹)	(¹)	(¹)		
Other services	4,657	6,485	-1,828	4,295	6,422	-2,127	(¹)	(¹)	(¹)	(¹)		
Unaffiliated.....	6,962	6,423	539	6,281	5,843	438	7,255	7,255	293	832		
Royalties, license fees, and selected services	1,631	1,361	270	1,612	1,341	271	1,612	1,612	-19	251	Reclassification and statistical	
Insurance.....	367	414	-47	367	386	-19	367	367		-47	Definitional and statistical	
Financial services.....	1,081	932	149	1,081	929	152	1,307	1,307	226	375	Definitional and statistical	
Education and training.....	595	19	576	26	19	7	26	26	-569	7	Reclassification and statistical	
Communications.....	519	695	-176	519	333	186	519	519		-176	Reclassification and statistical	
Computer services.....	584	531	53	584	531	53	584	584		53	Statistical	
Business services.....	1,541	850	691	1,203	1,112	91	1,603	1,603	62	753	Reclassification and statistical	
Sports and entertainment.....	465	1,179	-714	710	1,023	-313	1,060	1,060	595	-119	Definitional, reclassification, and statistical	
Other private.....		246	-246							-246	Definitional and reclassification	
Government:												
United States (nonmilitary).....	72	64	8	72	64	8	72	72		8	Statistical	
Canada.....	107	131	-24	107	105	2	105	105	-2	-26	Definitional and statistical	
U.S. military sales.....	97		97	59		59	59	59	-38	59	Definitional and statistical	
2002												
Total	13,860	14,269	-409	12,704	13,553	-849	13,072	13,072	-788	-1,197		
Affiliated.....	7,094	7,793	-699	6,692	7,708	-1,016	6,263	6,263	-831	-1,530	Definitional, reclassification, and statistical	
Royalties and license fees	2,388	2,084	304	2,388	2,052	336	(¹)	(¹)	(¹)	(¹)		
Other services	4,706	5,708	-1,002	4,304	5,655	-1,351	(¹)	(¹)	(¹)	(¹)		
Unaffiliated.....	6,679	6,478	203	5,969	5,845	124	6,766	6,766	87	290		
Royalties, license fees, and selected services	1,491	1,352	139	1,471	1,330	141	1,471	1,471	-20	119	Reclassification and statistical	
Insurance.....	301	431	-130	301	435	-134	301	301		-130	Definitional and statistical	
Financial services.....	873	990	-117	873	896	-23	963	963	90	-27	Definitional and statistical	
Education and training.....	652	14	638	29	14	15	29	29	-623	15	Reclassification and statistical	
Communications.....	391	661	-270	391	304	87	391	391		-270	Reclassification and statistical	
Computer services.....	772	523	249	772	523	249	772	772		249	Statistical	
Business services.....	1,513	757	756	1,174	1,012	162	1,469	1,469	-44	712	Reclassification and statistical	
Sports and entertainment.....	493	1,314	-821	765	1,163	-398	1,178	1,178	685	-136	Definitional, reclassification, and statistical	
Other private.....		242	-242							-242	Definitional and reclassification	
Government:												
United States (nonmilitary).....	86	61	25	86	61	25	86	86		25	Statistical	
Canada.....	107	132	-25	107	106	1	106	106	-1	-26	Definitional and statistical	
U.S. military sales.....	87		87	43		43	43	43	-44	43	Definitional and statistical	

1. Royalties and license fees are combined with "other" services for reconciliation.

Table 6.2. Other Services, Southbound
 [Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates			Type of adjustment
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Canada	United States		
2001												
Total	11,664	7,530	4,134	11,192	7,603	3,589	10,587	10,587	-1,077	3,057		
Affiliated	5,390	3,724	1,666	5,363	3,696	1,667	4,285	4,285	-1,105	561	Definitional, reclassification, and statistical	
Royalties and license fees	433	968	-535	429	968	-539	(¹)	(¹)	(¹)	(¹)		
Other services	4,957	2,756	2,201	4,934	2,728	2,206	(¹)	(¹)	(¹)	(¹)		
Unaffiliated	6,274	3,727	2,547	5,772	3,850	1,922	6,244	6,244	-30	2,517		
Royalties, license fees, and selected services	1,646	565	1,081	1,646	564	1,082	1,646	1,646		1,081	Definitional and statistical	
Insurance	48	257	-209	48	257	-209	386	386	338	129	Statistical	
Financial services	294	183	111	297	183	114	196	196	-98	13	Statistical	
Education and training	54	30	24	22	13	9	22	22	-32	-8	Reclassification and statistical	
Communications	747	230	517	414	230	184	322	322	-425	92	Reclassification and statistical	
Computer services	1,094	1,025	69	1,094	1,025	69	1,060	1,060	-34	35	Statistical	
Business services	967	1,179	-212	1,078	1,087	-9	1,438	1,438	471	259	Reclassification and statistical	
Sports and entertainment	959	37	922	917	270	647	917	917	-42	580	Definitional, reclassification, and statistical	
Other private	207		207						-207		Definitional and reclassification	
Government:												
Canada	36		36	36		36	36	36		36	Statistical	
United States (nondefense)	221	221		221	221		221	221			Statistical	
U.S. defense expenditures		77	-77	57	57		57	57	57	-20	Definitional and statistical	
2002												
Total	11,022	8,001	3,021	10,406	8,276	2,130	10,598	10,598	-424	2,597		
Affiliated	4,778	3,800	978	4,756	3,772	984	4,160	4,160	-618	360	Definitional, reclassification, and statistical	
Royalties and license fees	438	849	-411	436	849	-413	(¹)	(¹)	(¹)	(¹)		
Other services	4,340	2,951	1,389	4,320	2,923	1,397	(¹)	(¹)	(¹)	(¹)		
Unaffiliated	6,244	4,118	2,126	5,596	4,441	1,155	6,373	6,373	129	2,255		
Royalties, license fees, and selected services	1,740	753	987	1,740	749	991	1,740	1,740		987	Definitional and statistical	
Insurance	145	438	-293	18	438	-420	438	438	293		Statistical	
Financial services	321	164	157	303	164	139	186	186	-135	22	Statistical	
Education and training	53	28	25	20	12	8	20	20	-33	-8	Reclassification and statistical	
Communications	685	342	343	357	342	15	349	349	-336	7	Reclassification and statistical	
Computer services	963	781	182	963	781	182	943	943	-20	162	Statistical	
Business services	917	1,399	-482	1,018	1,440	-422	1,535	1,535	618	136	Reclassification and statistical	
Sports and entertainment	993	36	957	951	338	613	951	951	-42	915	Definitional, reclassification, and statistical	
Other private	200		200						-200		Definitional and reclassification	
Government:												
Canada	34		34	34		34	34	34		34	Statistical	
United States (nondefense)	193	177	16	193	177	16	177	177	-16		Statistical	
U.S. defense expenditures		83	-83	53	63	-10	63	63	63	-20	Definitional and statistical	

1. Royalties and license fees are combined with "other" services for reconciliation.

Table 7.1. Investment Income, Northbound

[Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates		Type of adjustment
	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	Difference	U.S. receipts	Canadian payments	United States	Canada	
2001											
Investment Income	21,799	27,998	-6,199	22,848	22,221	627	23,113	23,113	1,314	-4,885	
Direct investment income	11,975	10,950	1,025	11,881	10,321	1,560	11,612	11,612	-363	662	
Earnings of incorporated affiliates.....	11,236	9,896	1,340	11,182	9,479	1,703	10,856	10,856	-380	960	
Dividends	3,286	4,048	-762	3,232	3,631	-399	3,431	3,431	145	-616	Definitional, reclassification, and statistical
Reinvested earnings.....	7,950	5,848	2,102	7,950	5,848	2,102	7,424	7,424	-526	1,576	Statistical
Earnings of unincorporated affiliates.....	60	169	-109	60	169	-109	117	117	57	-52	Statistical
Interest	679	885	-206	639	673	-34	639	639	-40	-246	Definitional, gross to net, and statistical
Other investment income	9,824	17,048	-7,224	10,967	11,900	-932	11,501	11,501	1,677	-5,547	
Securities	6,706	11,466	-4,760	9,053	9,854	-801	9,454	9,454	2,748	-2,012	
Dividends	1,615	1,292	323	1,615	1,155	460	1,385	1,385	-230	94	Definitional, reclassification, and statistical
Interest	5,091	10,175	-5,084	7,438	8,699	-1,261	8,069	8,069	2,978	-2,106	Definitional and statistical
U.S. claims/Canadian liabilities	3,118	5,581	-2,463	1,914	2,045	-131	2,047	2,047	-1,071	-3,534	
U.S. bank claims.....	2,597	3,123	-526	765	772	-7	832	832	-1,765	-2,291	Gross to net and statistical
Other private U.S. claims.....	521	2,459	-1,938	1,149	1,273	-124	1,215	1,215	694	-1,244	Statistical
2002											
Investment Income	19,285	24,789	-5,504	20,783	20,547	236	22,321	22,321	3,036	-2,468	
Direct investment income	11,208	9,380	1,828	11,093	8,745	2,348	10,843	10,843	-365	1,463	
Earnings of incorporated affiliates.....	10,454	8,348	2,106	10,382	7,874	2,508	9,925	9,925	-529	1,577	
Dividends	3,451	4,531	-1,080	3,379	4,058	-679	3,718	3,718	267	-813	Definitional, reclassification, and statistical
Reinvested earnings.....	7,003	3,817	3,187	7,003	3,816	3,187	6,206	6,206	-797	2,390	Statistical
Earnings of unincorporated affiliates.....	193	460	-267	193	460	-267	401	401	208	-60	Statistical
Interest	561	572	-11	518	410	108	518	518	-43	-54	Definitional, gross to net, and statistical
Other investment income	8,077	15,409	-7,332	9,690	11,802	-2,112	11,478	11,478	3,401	-3,931	
Securities	6,282	12,161	-5,879	8,692	10,443	-1,751	10,199	10,199	3,917	-1,962	
Dividends	1,716	1,046	671	1,716	940	776	1,328	1,328	-388	282	Definitional, reclassification, and statistical
Interest	4,566	11,116	-6,550	6,976	9,503	-2,527	8,871	8,871	4,305	-2,244	Definitional and statistical
U.S. claims/Canadian liabilities	1,795	3,248	-1,453	998	1,359	-361	1,278	1,278	-517	-1,969	
U.S. bank claims.....	1,561	1,504	57	452	556	-104	591	591	-970	-912	Gross to net and statistical
Other private U.S. claims.....	234	1,744	-1,510	546	804	-258	687	687	453	-1,057	Statistical

Table 7.2. Investment Income, Southbound

[Millions of U.S. dollars]

	Published estimates			Common-basis estimates after definitional and methodological adjustments			Reconciled estimates, including statistical adjustments		Total adjustments to published estimates		Type of adjustment
	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Difference	Canadian receipts	U.S. payments	Canada	United States	
2001											
Investment Income	4,137	167	3,970	1,426	-1,484	2,910	1,515	1,515	-2,622	1,348	
Direct investment income	-2,049	-5,612	3,563	-2,368	-5,819	3,451	-2,948	-2,948	-899	2,664	
Earnings of incorporated affiliates.....	-1,989	-6,242	4,253	-2,406	-6,454	4,048	-3,554	-3,554	-1,565	2,688	
Dividends	1,292	1,766	-474	876	1,554	-679	1,833	1,833	541	67	Definitional and statistical
Reinvested earnings.....	-3,281	-8,008	4,727	-3,282	-8,008	4,727	-5,387	-5,387	-2,106	2,621	Statistical
Earnings of unincorporated affiliates.....	-188	212	-400	31	212	-181	183	183	371	-29	Definitional and statistical
Interest	128	418	-290	8	423	-416	423	423	295	5	Definitional, gross to net, and statistical
Other investment income	6,186	5,779	407	3,794	4,335	-541	4,463	4,463	-1,723	-1,316	
Securities	2,197	2,815	-618	2,170	2,815	-645	2,604	2,604	407	-211	
Dividends	1,725	1,806	-81	1,583	1,806	-223	1,806	1,806	81	.....	Definitional and statistical
Interest	472	1,009	-537	587	1,009	-422	798	798	326	-211	Definitional and statistical
Canadian claims/U.S. liabilities	2,748	1,261	1,487	558	58	500	595	595	-2,153	-666	
Canadian bank claims.....	2,217	1,044	1,173	31	8	23	127	127	-2,090	-917	Gross to net and statistical
Other private Canadian claims.....	531	217	314	527	50	477	468	468	-62	251	Statistical
U.S. Government liabilities	1,241	1,703	-462	1,066	1,462	-396	1,264	1,264	23	-439	Definitional and statistical
2002											
Investment Income	5,852	3,804	2,048	3,083	2,601	482	3,612	3,612	-2,240	-192	
Direct investment income	1,090	-1,213	2,303	-528	-1,236	708	-543	-543	-1,633	670	
Earnings of incorporated affiliates.....	3,057	-1,780	4,837	304	-1,805	2,109	-1,050	-1,050	-4,107	730	
Dividends	2,797	521	2,276	807	496	311	651	651	-2,145	130	Definitional and statistical
Reinvested earnings.....	260	-2,301	2,561	-502	-2,301	1,799	-1,702	-1,702	-1,962	589	Statistical
Earnings of unincorporated affiliates.....	-2,178	20	-2,198	-933	20	-953	-42	-42	2,136	-62	Definitional and statistical
Interest	211	547	-336	101	549	-448	549	549	338	2	Definitional, gross to net, and statistical
Other investment income	4,762	5,017	-255	3,611	3,837	-226	4,155	4,155	-607	-862	
Securities	2,335	3,117	-782	2,364	3,117	-753	2,870	2,870	535	-247	
Dividends	1,926	2,026	-100	1,767	2,026	-259	2,026	2,026	100	.....	Definitional and statistical
Interest	408	1,091	-683	597	1,091	-494	844	844	435	-247	Definitional and statistical
Canadian claims/U.S. liabilities	1,481	687	794	418	-110	528	456	456	-1,025	-231	
Canadian bank claims.....	968	507	461	-91	-136	45	-10	-10	-978	-517	Gross to net and statistical
Other private Canadian claims.....	513	180	333	509	26	483	466	466	-47	286	Statistical
U.S. Government liabilities	946	1,213	-267	829	830	-1	829	829	-117	-384	Definitional and statistical

U.S. Multinational Companies

Operations in 2001

By Raymond J. Mataloni, Jr.

VALUE added in production, or the “gross product,” of both U.S. parent companies and their majority-owned foreign affiliates (MOFAs) declined in 2001, according to preliminary estimates from the annual survey of U.S. direct investment abroad conducted by the Bureau of Economic Analysis (BEA). The total gross product of U.S. multinational companies (MNCs)—U.S. parent companies and their MOFAs combined—declined 7.7 percent (table 1). The decline was the first since at least 1994, when the annual series on MNC gross product begins. The decline in the gross product of U.S. parents, at 8.8 percent, was considerably steeper than the decline in the gross product of MOFAs, at 3.8 percent. Employment by MNCs declined 1.3 percent, and the decline was more than accounted for by the U.S. parent companies, whose employment declined 1.8 percent; employment by MOFAs increased 0.3 percent. Despite these declines in gross product and employment, MNCs continued to increase their capital spending in 2001. Capital spending by MNCs increased 4.3 percent; the growth in spending by U.S. parents, at 5.2 percent, outpaced growth in spending by MOFAs, at 0.7 percent.

The changes in MNC gross product reflected both generally weak economic conditions worldwide and particular circumstances in a number of industries in which MNCs have a significant presence, including cyclically sensitive durable-goods manufacturing industries, telecommunications, and finance and insurance. The major developments described in this article were largely attributable to changes in the ongoing operations of firms that existed in both 2000 and 2001 because only a small number of parents and affiliates exited the MNC universe in 2001.

By industry, the decrease in MNC gross product was mainly accounted for by durable-goods manufacturing, such as motor vehicles and computers. Falling production in these industries mainly reflected weak demand by businesses and consumers. Worldwide unit sales of motor vehicles decreased slightly in 2001 after

increasing 3 percent in 2000.¹ Worldwide unit sales of personal computers fell 5 percent in 2001 after increasing 15 percent in 2000.² The cyclical sensitivity of demand for durable goods has been widely noted and reflects a tendency for businesses and consumers to postpone purchases of durable goods during periods of economic weakness and uncertainty.³ In some industries, the decrease in MNC gross product was partly attributable to reductions in the market share of some U.S. parents. For example, in the United States, the largest U.S. vehicle manufacturers that are U.S. parent companies lost significant market share to manufacturers that are not U.S. parents or that are parents who obtain more of their inputs from outside the firm.

MNC gross product in the United States and in every other major geographic area decreased (chart 1). The gross product of U.S. parents, which continued to account for more than three-fourths of U.S.-MNCs

1. Estimates of worldwide sales of motor vehicles are from *Market Data Book 2001* from the Automotive News Web site at <www.autonews.com>.

2. Estimates of worldwide sales of personal computers are from Gartner Dataquest, “Gartner Dataquest Says 2001 is a Year Battered PC Vendors Would Rather Forget” (news release, January 17, 2002); <www3.gartner.com>.

3. For a discussion of historical patterns in consumer spending on durable goods, see Larry R. Moran and Clinton P. McCully, “Trends in Consumer Spending, 1959–2000,” *SURVEY OF CURRENT BUSINESS* 83 (March 2001): 15–21.

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gross product, decreased about twice as fast as that of MOFAs. The sharper decreases in parent gross product coincided with relatively weak economic growth in the United States: In 2001, real economic growth in the United States was only 0.3 percent, compared with 1.5 percent, on average, in MOFA host countries.⁴ In percentage terms, decreases abroad were most pronounced in Africa and in Latin America and Other Western Hemisphere. In Africa, the gross product of MOFAs decreased 11 percent, reflecting the concentration of MOFA production in oil and gas extraction combined with a fall in oil prices and weak demand for petroleum products. In Latin America, decreases were concentrated in South America—particularly Brazil and Argentina—and generally reflected weak business conditions.

The following are additional highlights of MNC operations in 2001:

- Worldwide production, capital expenditures, and employment of U.S. MNCs remained concentrated in the United States: U.S. parents accounted for about three-fourths, and MOFAs for about one-fourth, of their combined gross product of \$2,535.6 billion, employment of 31.6 million, and capital expenditures of \$528.6 billion.
- U.S. MNCs continued to account for a large share of U.S. trade in goods. U.S. exports of goods that involved U.S. parents or their foreign affiliates were \$425.4 billion, or 58 percent of total U.S. exports of goods. U.S. imports of goods that were associated with U.S. MNCs were \$432.9 billion, or 38 percent of total U.S. imports of goods.
- Newly acquired or established MOFAs continued to be concentrated in large and affluent markets, such as the European Union, and in most cases, the sales by these new affiliates continued to be directed primarily toward the local market. This tendency suggests that access to markets continues to be a more significant factor in investment decisions than access to low-cost labor and other productive resources.
- Despite the falling total gross product of MOFAs, the gross product of MOFAs in Eastern Europe increased at a double-digit rate as it has, almost unabated, since 1989, when the Berlin Wall fell and the region began to reopen to investments from Western countries. Some of the region's features that are conducive to foreign direct investment are an abundance of skilled labor and natural resources

Table 1. Gross Product, Employment, and Capital Expenditures of Nonbank U.S. MNCs, U.S. Parents, and Foreign Affiliates, 1982–2001

	U.S. MNCs		Parents	Affiliates		
	Parents and all affiliates	Parents and MOFAs		Total	MOFAs	Other
Gross product						
Millions of dollars:						
1982.....	n.a.	1,019,734	796,017	n.a.	223,717	n.a.
1983.....	n.a.	n.a.	n.a.	n.a.	216,683	n.a.
1984.....	n.a.	n.a.	n.a.	n.a.	220,331	n.a.
1985.....	n.a.	n.a.	n.a.	n.a.	220,074	n.a.
1986.....	n.a.	n.a.	n.a.	n.a.	231,644	n.a.
1987.....	n.a.	n.a.	n.a.	n.a.	269,734	n.a.
1988.....	n.a.	n.a.	n.a.	n.a.	297,556	n.a.
1989.....	n.a.	1,364,878	1,044,884	n.a.	319,994	n.a.
1990.....	n.a.	n.a.	n.a.	n.a.	356,033	n.a.
1991.....	n.a.	n.a.	n.a.	n.a.	355,963	n.a.
1992.....	n.a.	n.a.	n.a.	n.a.	361,524	n.a.
1993.....	n.a.	n.a.	n.a.	n.a.	359,179	n.a.
1994.....	n.a.	1,717,488	1,313,792	n.a.	403,696	n.a.
1995.....	n.a.	1,831,046	1,365,470	n.a.	465,576	n.a.
1996.....	n.a.	1,978,948	1,480,638	n.a.	498,310	n.a.
1997.....	n.a.	2,094,318	1,573,451	n.a.	520,867	n.a.
1998.....	n.a.	2,100,773	1,594,504	n.a.	506,269	n.a.
1999 ¹	n.a.	2,480,739	1,914,343	n.a.	566,396	n.a.
2000 ^r	n.a.	2,748,106	2,141,480	n.a.	606,626	n.a.
2001 ^p	n.a.	2,535,568	1,952,124	n.a.	583,444	n.a.
Percent change at annual rates:						
1994–2000.....	n.a.	8.3	8.7	n.a.	7.2	n.a.
2000–2001.....	n.a.	-7.7	-8.8	n.a.	-3.8	n.a.
Number of employees						
Thousands:						
1982.....	25,344.8	23,727.0	18,704.6	6,640.2	5,022.4	1,617.8
1983.....	24,782.6	23,253.1	18,399.5	6,383.1	4,853.6	1,529.5
1984.....	24,548.4	22,972.6	18,130.9	6,417.5	4,841.7	1,575.8
1985.....	24,531.9	22,923.0	18,112.6	6,419.3	4,810.4	1,608.9
1986.....	24,082.0	22,543.1	17,831.8	6,250.2	4,711.3	1,538.9
1987.....	24,255.4	22,650.0	17,985.8	6,269.6	4,664.2	1,605.4
1988.....	24,141.1	22,498.1	17,737.6	6,403.5	4,760.5	1,643.0
1989.....	25,387.5	23,879.4	18,765.4	6,622.1	5,114.0	1,508.1
1990.....	25,263.6	23,785.7	18,429.7	6,833.9	5,356.0	1,477.9
1991.....	24,837.1	23,345.4	17,958.9	6,878.2	5,386.5	1,491.7
1992.....	24,189.7	22,812.0	17,529.6	6,660.1	5,282.4	1,377.7
1993.....	24,221.5	22,760.2	17,536.9	6,684.6	5,223.3	1,461.3
1994.....	25,670.0	24,272.5	18,565.4	7,104.6	5,707.1	1,397.5
1995.....	25,921.1	24,499.7	18,576.2	7,344.9	5,923.5	1,421.4
1996.....	26,334.0	24,867.0	18,790.0	7,544.0	6,077.0	1,467.0
1997.....	27,851.0	26,358.0	19,878.0	7,973.0	6,480.0	1,493.0
1998.....	28,003.6	26,592.9	19,819.8	8,183.8	6,773.1	1,410.7
1999 ¹	32,227.0	30,772.6	23,006.8	9,220.2	7,765.8	1,454.4
2000 ^r	33,598.2	32,056.6	23,885.2	9,713.0	8,171.4	1,541.6
2001 ^p	33,225.8	31,643.6	23,450.2	9,775.6	8,193.4	1,582.2
Percent change at annual rates:						
1994–2000.....	4.7	4.8	4.4	5.5	6.3	1.7
2000–2001.....	-1.1	-1.3	-1.8	0.6	0.3	2.6
Capital expenditures						
Millions of dollars:						
1982.....	248,262	233,078	188,266	59,996	44,812	15,184
1983.....	n.a.	197,534	160,656	n.a.	36,878	n.a.
1984.....	n.a.	203,791	168,692	n.a.	35,099	n.a.
1985.....	n.a.	221,509	185,027	n.a.	36,482	n.a.
1986.....	n.a.	203,809	169,131	n.a.	34,678	n.a.
1987.....	n.a.	199,171	162,139	n.a.	37,032	n.a.
1988.....	n.a.	223,814	177,203	n.a.	46,611	n.a.
1989.....	276,790	260,488	201,808	74,982	58,680	16,302
1990.....	n.a.	274,614	213,079	n.a.	61,535	n.a.
1991.....	n.a.	269,221	206,290	n.a.	62,931	n.a.
1992.....	n.a.	272,049	208,834	n.a.	63,215	n.a.
1993.....	n.a.	271,667	207,437	n.a.	64,224	n.a.
1994.....	328,240	303,364	231,917	96,323	71,447	24,876
1995.....	n.a.	323,616	248,017	n.a.	75,599	n.a.
1996.....	n.a.	340,510	260,048	n.a.	80,462	n.a.
1997.....	n.a.	398,037	309,247	n.a.	88,790	n.a.
1998.....	n.a.	411,155	317,184	n.a.	93,971	n.a.
1999 ¹	514,038	483,032	369,728	144,310	113,304	31,006
2000 ^r	n.a.	506,950	396,311	n.a.	110,637	n.a.
2001 ^p	n.a.	528,553	417,111	n.a.	111,442	n.a.
Percent change at annual rates:						
1994–2000.....	n.a.	9.1	9.5	n.a.	7.7	n.a.
2000–2001.....	n.a.	4.3	5.2	n.a.	0.7	n.a.

^p Preliminary.

^r Revised.

1. Beginning with 1999, very small affiliates and the parents of very small affiliates are included in the estimates. (See the technical note on page 121 of the December 2002 issue of the Survey of Current Business for details.)

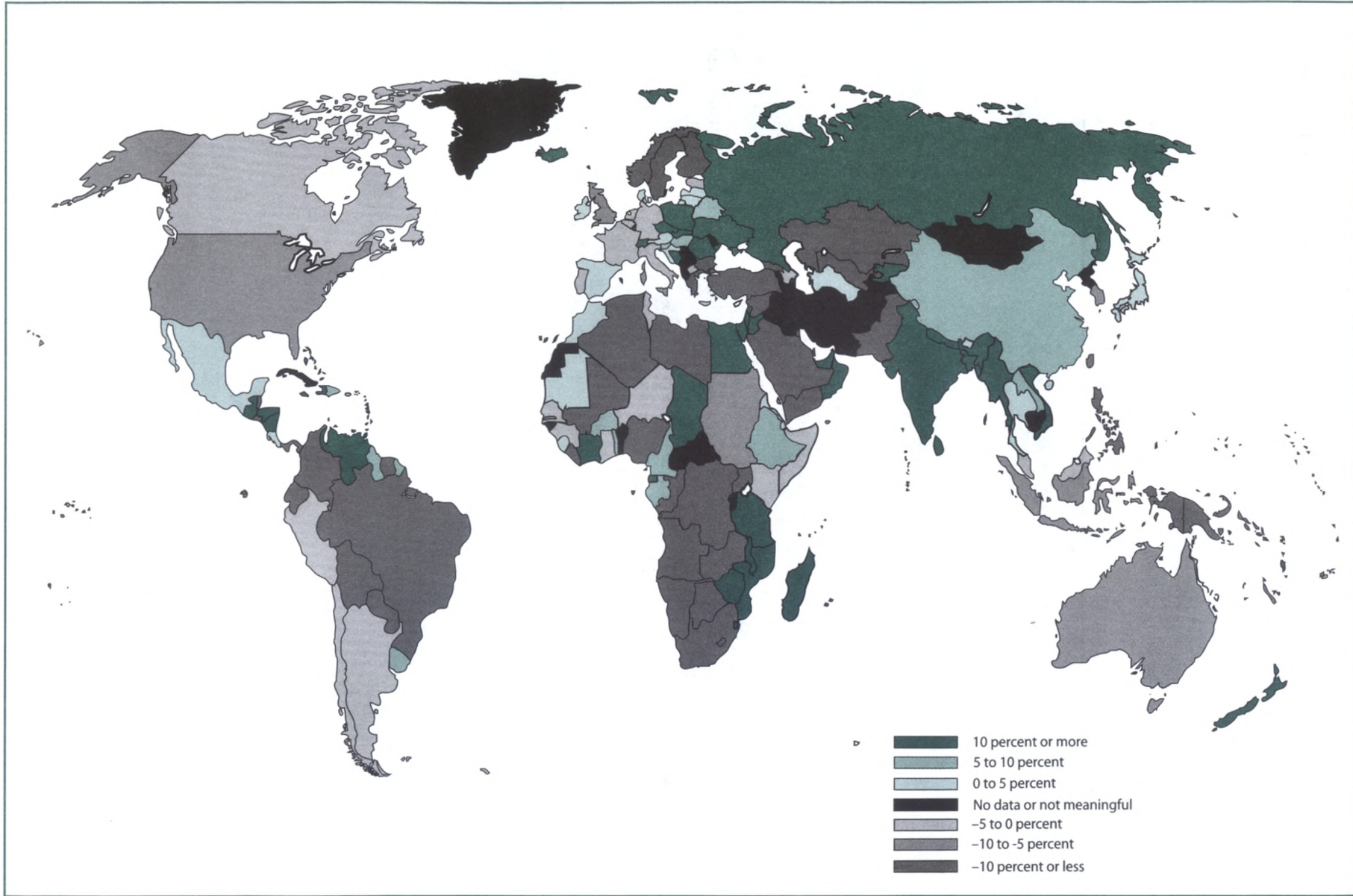
MNC Multinational company.

MOFA Majority-owned foreign affiliate.

n.a. Not available.

4. The average rate of real economic growth in host countries was derived as a weighted average (weighted by MOFA gross product) using data from the World Bank Group Web site at <www.worldbank.org>.

Chart 1. Percent Change in Gross Product of Nonbank U.S.-MNCs, by Country, 2001



MNC Multinational company
U.S. Bureau of Economic Analysis

and the proximity to large, affluent European markets.

- The origin of output of U.S. parent companies and of MOFAs in manufacturing shifted away from production within the firm and toward an increased reliance on outside suppliers between 1999 and 2001.

The remainder of this article has three parts. The first part analyzes the worldwide operations of U.S. MNCs, the second part analyzes their U.S. operations, and the third part analyzes their foreign operations.

Worldwide Operations of U.S. MNCs

This section examines the changes in U.S.-MNC gross product, employment, and U.S. trade in goods that is associated with U.S. MNCs.

Changes in gross product

Current-dollar gross product of U.S. MNCs decreased 7.7 percent in 2001, to \$2,536 billion. Available evidence on price and exchange-rate changes suggests that the gross product of both U.S. parents and MOFAs decreased in real terms and that the decrease was more

Key Terms

The following key terms are used to describe U.S. multinational companies (MNCs) and their operations. For a comprehensive discussion of the terms and the concepts used, see Raymond J. Mataloni, Jr., "A Guide to BEA Statistics on U.S. Multinational Companies," *SURVEY OF CURRENT BUSINESS* 75 (March 1995): 38–55.

U.S. MNCs

U.S. multinational company (MNC). The U.S. parent and its foreign affiliates. (In this article, a MNC is usually defined as the U.S. parent and its majority-owned foreign affiliates.)

U.S. parent. A person, resident in the United States, that owns or controls 10 percent or more of the voting securities, or the equivalent, of a foreign business enterprise. "Person" is broadly defined to include any individual, branch, partnership, associated group, association, estate, trust, corporation, or other organization (whether organized or not under the laws of any State), or any government entity. If incorporated, the U.S. parent is the fully consolidated U.S. enterprise consisting of (1) the U.S. corporation whose voting securities are not owned more than 50 percent by another U.S. corporation and (2) proceeding down each ownership chain from that U.S. corporation, any U.S. corporation whose voting securities are more than 50 percent owned by the U.S. corporation above it. A U.S. parent comprises the domestic operations of a U.S. MNC, covering operations in the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and all other U.S. areas.

U.S. direct investment abroad (USDIA). The ownership or control, directly or indirectly, by one U.S. person of 10 percent or more of the voting securities of an incorporated foreign business enterprise or the equivalent interest in an unincorporated business enterprise.

Foreign affiliate. A foreign business enterprise in which there is U.S. direct investment, that is, in which a U.S. person owns or controls (directly or indirectly) 10 percent or more of the voting securities or the equivalent. Foreign affiliates comprise the foreign operations of a U.S. MNC over which the parent is presumed to have a

degree of managerial influence.

Majority-owned foreign affiliate (MOFA). A foreign affiliate in which the combined ownership of all U.S. parents exceeds 50 percent. In 2001, MOFAs accounted for 84 percent of the employment of all foreign affiliates of U.S. MNCs, up from 77 percent in 1989.

Measures of operations

Gross product. The portion of the goods and services sold or added to inventory or fixed investment by a firm that reflects the production of the firm itself. Gross product, often referred to as value added, can be measured as gross output minus intermediate inputs. Alternatively, it can be measured as the sum of the costs incurred (except for intermediate inputs) and the profits earned in production. The gross product estimates presented here were prepared by summing cost and profit data collected in the annual and benchmark surveys of USDIA. For the derivation of the current-dollar estimates of gross product, see Raymond J. Mataloni, Jr., and Lee Goldberg, "Gross Product of U.S. Multinational Companies, 1977–91," *SURVEY* 74 (February 1994): 57.

Capital expenditures. Expenditures made to acquire, add to, or improve property, plant, and equipment (PP&E). PP&E includes land, timber, mineral and like-rights owned; structures, machinery, equipment, special tools, and other depreciable property; construction in progress; and tangible and intangible exploration and development costs. Changes in PP&E due to changes in entity—such as mergers, acquisitions, and divestitures—or to changes in accounting methods are excluded. Capital expenditures are measured on a gross basis; sales and other dispositions of fixed assets are not netted against them.

Employment. The number of full-time and part-time employees on the payroll at yearend. If the employment of a parent or an affiliate was unusually high or low because of temporary factors (such as a strike) or large seasonal variations, the number that reflected normal operations or an average for the year was requested.

significant for U.S. parents than for MOFAs. For U.S. parents, current-dollar gross product decreased 8.8 percent despite a 2.4-percent rate of U.S. price inflation (as measured by the implicit price deflator for gross domestic product (GDP) of all private U.S. businesses). For MOFAs, current-dollar gross product decreased 3.8 percent despite a 2.3-percent average inflation in the host countries of MOFAs.⁵ However, the exchange value of the U.S. dollar increased 4.3 percent, which would tend to decrease the dollar value of MOFA gross product.⁶ On balance, it would appear that the real gross product of MOFAs decreased modestly in 2001.

Changes in employment

Employment by U.S. MNCs decreased 1.3 percent in 2001, to 31.6 million workers. The employment of U.S. parents decreased 1.8 percent, to 23.5 million. The decrease was concentrated in manufacturing and mainly resulted from sizeable layoffs related to restructuring by a small number of U.S. parents. The employment of MOFAs increased 0.3 percent, to 8.2 million. The increase was concentrated in service industries such as retail trade and finance and insurance. The opposing changes for parents and affiliates occurred in different MNCs and therefore appear to be unconnected to potential "job shifting" from U.S. parents to their foreign affiliates.

U.S.-MNC-associated trade in goods

In 2001, U.S. exports of goods that involved U.S. parents or their foreign affiliates—MNC-associated exports—decreased 5.2 percent, to \$425.4 billion after a 3-percent increase in 2000 (table 2). This decrease coincided with a much larger reversal in goods exports by all U.S. businesses, which fell 7 percent after increasing 12 percent. Because of the relatively more modest decrease for U.S. MNCs, the MNC share of total U.S. exports of goods edged up, from 57 percent in 2000 to 58 percent in 2001.

MNC-associated imports of goods decreased 2.9 percent, to \$432.9 billion after a 14.8-percent increase

in 2000. This decrease coincided with a much larger reversal in goods imports by all U.S. businesses, which fell 6 percent after increasing 19 percent in 2000. Because of the smaller decrease for U.S. MNCs, the MNC share of total U.S. imports of goods edged up from 37 percent in 2000 to 38 percent in 2001.

The decrease in the share of U.S.-MNC-associated exports of goods that represented trade between U.S. parents and their foreign affiliates was less pronounced than that of U.S.-MNC trade with others.⁷ Exports by U.S. parents to their foreign affiliates decreased 2.1 percent, and U.S. exports between U.S. MNCs and others decreased 7.2 percent. The decrease in intra-MNC exports mainly reflected falling trade between U.S.

Table 2. U.S. Trade in Goods Associated with Nonbank U.S. MNCs, Selected Years

	[Millions of dollars]			
	1994	1999	2000	2001
MNC-associated U.S. exports, total	344,504	435,192	448,807	425,389
Intra-MNC trade	136,128	162,503	182,719	178,587
Shipped by U.S. parents to their MOFAs	132,694	158,575	175,234	171,565
Shipped by U.S. parents to their other foreign affiliates ¹	3,434	3,928	7,485	7,022
MNC trade with others	208,376	272,689	266,088	246,802
Shipped by U.S. parents to foreigners other than their own affiliates	185,050	238,693	238,717	219,821
Of which:				
Shipped by U.S. parents to their foreign parent groups ²	18,207	26,140	30,685	27,833
Shipped to foreign affiliates by U.S. persons other than their own parents	23,326	33,996	27,371	26,981
To MOFAs	20,774	31,973	27,371	26,981
To other foreign affiliates ³	2,552	2,023	n.a.	n.a.
MNC-associated U.S. imports, total	256,820	388,480	446,016	432,929
Intra-MNC trade	113,415	164,449	191,150	179,174
Shipped by MOFAs to their U.S. parents	107,203	158,958	182,555	169,519
Shipped by other foreign affiliates to their U.S. parents ¹	6,212	5,491	8,595	9,655
MNC trade with others	143,405	224,032	254,866	253,755
Shipped to U.S. parents by foreigners other than their own affiliates	122,638	193,969	220,627	221,169
Of which:				
Shipped to U.S. parents by their foreign parent groups ²	43,243	78,002	91,529	83,362
Shipped to foreign affiliates to U.S. persons other than their own parents	20,767	30,063	34,239	32,586
By MOFAs	15,161	23,288	29,357	27,917
By other foreign affiliates ³	5,606	6,775	4,882	4,669
Addenda:				
All U.S. exports of goods	512,626	695,797	781,918	729,100
U.S.-MNC-associated U.S. exports as a percentage of total	67	63	57	58
Intra-U.S.-MNC exports as a percentage of total	26	23	22	24
All U.S. imports of goods	663,256	1,024,618	1,218,022	1,140,999
U.S.-MNC-associated U.S. imports as a percentage of total	39	38	37	38
Intra-U.S.-MNC imports as a percentage of total	17	16	16	16

1. In nonbenchmark survey years (such as 2001), this number is calculated as total exports (imports) between U.S. parents and all of their foreign affiliates (as reported by U.S. parents) less exports (imports) between U.S. parents and MOFAs (as reported by MOFAs).

2. For U.S. parents that are, in turn, owned 10 percent or more by a foreign person, the foreign parent group (FPG) consists of (1) the foreign parent of the U.S. parent, (2) any foreign person, proceeding up the foreign parent's ownership chain, that owns more than 50 percent of the person below, and (3) any foreign person, proceeding down the ownership chain(s) of each of these members, that is owned more than 50 percent by the person above it. Trade between foreign-owned U.S. parents and their FPGs is not considered "intra-MNC" trade in this table because FPGs are excluded from BEA's definition of a U.S. MNC.

3. In nonbenchmark survey years, this number is calculated as total exports (imports) associated with "other" (that is, minority-owned) foreign affiliates (as reported by affiliates) less the estimate of exports (imports) between U.S. parents and "other" foreign affiliates calculated as described in footnote 1. However, these estimates are subject to some imprecision because of differences in the coverage of the data reported by U.S. parents and foreign affiliates. No estimates of exports shipped to other foreign affiliates by U.S. parents are available for 2000 and for 2001 because the differences were especially large in those years. The source of imprecision also affects the accuracy of the distinction between intra-MNC trade and MNC trade with others.

MNC Multinational company
MOFA Majority-owned foreign affiliate
n.a. Not available

5. The rate of price inflation in 7 major Euro-area countries and 15 other major host countries averaged 2.3 percent. (Collectively, these countries accounted for 82 percent of total MOFA gross product in 2001.) The average inflation in these host countries was derived as a weighted average (in terms of MOFA gross product) using data on GDP implicit price deflators from the World Bank Group Web site.

6. In addition to the effects of prices, the gross product of MOFAs can be affected by exchange-rate changes because the survey data used to compute the gross product estimates is based on the books of the foreign affiliates, which are generally kept in the local foreign currency and thus must be translated to obtain U.S.-dollar values. In 2001, the average (weighted by MOFA gross product) U.S.-dollar price of the currencies of 7 major Euro-area countries and 15 other major host countries fell 4.3 percent.

parents and their European affiliates that produce consumer durable goods, primarily for the local market. The decrease in U.S. exports between U.S. MNCs and others was concentrated in durable-goods manufacturing and probably reflected weak business conditions abroad.

Most of the decrease in U.S.-MNC-associated imports of goods reflected a decrease in intra-MNC

7. U.S.-MNC-associated U.S. trade in goods may be disaggregated into two broad categories: (1) Intra-MNC trade—trade between U.S. parents and their foreign affiliates, and (2) MNC trade with others—trade between U.S. parents and foreigners other than their foreign affiliates and trade between foreign affiliates and U.S. persons other than their U.S. parents.

BEA's data on intra-MNC trade are distinct from a similar data series on related-party trade from the Census Bureau. Unlike BEA's data on intra-MNC trade, which are from surveys of MNC operations, the Census Bureau data are based on a checkoff question in customs declarations of exports and imports. For exports, the definition of "related party" in the customs declarations is based on an ownership share of at least 10 percent, which is consistent with the definition of direct investment used in BEA's surveys; however, for imports, the customs definition is based on a 6-percent ownership share. In addition, the data on related-party trade, unlike BEA's data, do not distinguish the trade between U.S. and foreign units of U.S. multinational companies from the trade between U.S. and foreign units of foreign multinational companies; but they do provide extensive product detail that is unavailable in the BEA data. For additional information on BEA's survey-based data, see William J. Zeile, "Trade in Goods Within Multinational Companies: Survey-Based Data and Findings for the United States of America." (paper presented at the Organisation for Economic Co-Operation and Development Committee on International Investment and Multinational Enterprise, Workshop on International Investment Statistics, Paris, France, November 3–4, 2003); <www.bea.gov/beatpapers.htm>.

trade. Intra-MNC U.S. imports decreased 6.3 percent, and U.S. imports between U.S. MNCs and others edged down 0.4 percent. The decrease in intra-MNC imports mainly reflected falling imports by U.S. parents from their Canadian affiliates that produce motor vehicles and from their Asian affiliates that produce computers and related products. The decrease in U.S. imports between U.S. MNCs and others was concentrated in computers-and-related-products manufacturing and probably reflected weak sales in the United States.

U.S. Parents' Operations

This section examines the changes in U.S.-parent gross product by industry in 2001 and the origin of output by U.S. parents in manufacturing.⁸

Changes in gross product

The gross product of U.S. parents decreased 8.8 percent in 2001, to \$1,952.1 billion (table 3). Most of the decrease reflected reduced output from ongoing operations; less than 5 percent of the decrease in level re-

8. A U.S. parent may be under the control of a foreign parent company. In 2001, U.S. parents that were controlled by foreign parents had a combined gross product of \$184.8 billion, or 9 percent of the total gross product of all U.S. parents of \$1,952.1 billion.

Data on U.S. Direct Investment Abroad

BEA collects two broad sets of data on U.S. direct investment abroad (USDIA): (1) Financial and operating data of U.S. multinational companies, and (2) international transactions and direct investment position data. This article presents the first set of data; the international transactions and direct investment position data are generally published in the July and September issues of the SURVEY OF CURRENT BUSINESS.

Financial and operating data. The financial and operating data provide a picture of the overall activities of foreign affiliates and U.S. parent companies using a variety of indicators of their financial structure and operations. The data on foreign affiliates cover the entire operations of the affiliate, irrespective of the percentage of U.S. ownership. These data cover items that are needed in analyzing the characteristics, performance, and economic impact of multinational companies, such as sales, gross product (value added), employment and compensation of employees, capital expenditures, exports and imports, and research and development expenditures. Separate tabulations are available for all affiliates and for affiliates that are majority-owned by their U.S. parent(s).

International transactions and direct investment position data. The international transactions data cover a foreign affiliate's transactions with its U.S. parent(s), so these data focus on the U.S. parent's share, or interest, in its affiliate rather than on the affiliate's size or level of operations. These data are essential to the compilation of the U.S. international transactions accounts (ITAs), the international investment position, and the national income and product accounts. The major data items include capital flows (recorded in the ITA's financial account), which measure the funds that U.S. parents provide to their foreign affiliates, and income (recorded in the ITAs current account), which measures the return on those funds. The data also cover royalties and license fees and other service charges that parents receive from or pay to their affiliates. All of these items measure flows in a particular time period, such as a quarter or a year.

Direct investment position data are stock data and are cumulative; they measure the total outstanding level of U.S. direct investment abroad at yearend. Estimates are provided both at historical cost and in terms of current-period prices. The historical-cost estimates are published by country and by industry.

flected U.S. companies departing the MNC universe by selling or liquidating their last foreign affiliate.

The substantial decrease in the gross product of U.S. parent companies primarily reflects the concentration of U.S. parent companies in the more cyclically sensitive sectors of the economy. Durable-goods manufacturing, in which output tends to fall especially rapidly during economic slowdowns, accounted for about 25 percent of U.S.-parent gross product, considerably above the 8-percent share of this industry in the U.S. economy as a whole. In addition, production by parents in some industries, such as computer and semiconductor manufacturing and telecommunications, was negatively affected by the widespread failure of Internet-related firms in 2001.

By industry, the gross product of U.S. parents in manufacturing decreased 14.1 percent and accounted for three-fourths of the decrease in total parent gross product. This sector was one of several with particularly sharp declines; the others included finance (except banks) and insurance (with a 21.5-percent decrease) and information (with a 16.4-percent decrease) (table 4). The decrease in the manufacturing sector was most pronounced in the durable-goods industries.⁹ In the finance and insurance sector, the largest decrease was in the securities industry and partly reflected reduced demand for investment banking services as a result of the sharp drop in corporate mergers and acquisitions worldwide. In the information sector, the decrease was concentrated in telecommunications and partly reflected reduced usage of traditional land-line telephones and falling rates.¹⁰

9. Among the durable-goods manufacturing industries in table 4, the largest declines were in computers and electronic products and in transportation equipment.

10. Call minutes on traditional land line telephones fell 4 percent in 2001 after increasing 13 percent in 2000. Average revenue per call on domestic calls decreased to 8 cents per minute in 2001 from 9 cents per minute in 2000; the average revenue on international calls fell from 52 cents to 35 cents (see tables 10.1 and 13.4 of the Federal Communications Commission's 2003 *Trends in Telephone Service*).

Table 3. Sources of Change in Gross Product for Nonbank U.S. Parents, 2000–2001

Line		Millions of dollars
1	2000 level.....	2,141,480
2	Total change	-189,356
3	New parents ¹	1,486
4	Changes in operations ²	-180,453
5	Parents departing the universe ³	-7,551
6	Other changes ⁴	-2,838
7	2001 level.....	1,952,124

1. Parents that established or acquired their first foreign affiliate in 2001.

2. Consists of changes in existing operations and changes resulting from parents acquiring, establishing, selling, or liquidating parts of their consolidated operations. BEA generally requires survey respondents to fully consolidate their parent operations.

3. Parents that sold or liquidated their last foreign affiliate in 2001.

4. Equals the change in the gross product of parents not accounted for in lines 3–5. It includes changes resulting from the addition to the survey universe of parents that were required to report in earlier years but did not.

In the mining and utilities sectors, the gross product of U.S. parents increased substantially, primarily because of U.S. parents' acquisitions of other U.S. companies that were not previously multinationals.

Origin of output in manufacturing

The output of U.S. parents in manufacturing consists of the goods and services that they produce and sell or add to their inventories. The origin of the output can be traced to the gross product that originates from the parents and the gross product that originates elsewhere.

In 2001, the gross product of parents accounted for 30 percent of the total output of U.S. parents in manufacturing, and goods and services purchased by parents from outside suppliers accounted for the remaining 70 percent (table 5).¹¹

11. This analysis is restricted to manufacturing industries partly because of the unavailability of output estimates for some other industries. In most industries, the sum of sales and inventory change can be used as a measure of industry output, and the purchases of all the goods and services except capital equipment by the firms in the industry are regarded as the intermediate inputs used by these firms in producing their output. However, certain service industries—finance, insurance, and wholesale and retail trade—in which the principal output is financial intermediation or distribution of goods have special characteristics that require that their output be measured differently, and most goods and services purchased by these industries are not intermediate inputs used in production.

For the surveys of foreign direct investment in the United States, BEA has instituted changes in data collection that will allow measures of output to be constructed for foreign-owned U.S. firms in these industries, and it plans to institute similar changes, beginning with the 2004 benchmark survey of U.S. direct investment abroad. See Obie G. Whichard and Maria Borga, "Selected Issues in the Measurement of U.S. International Services," SURVEY 82 (June 2002): 36–56.

Table 4. Gross Product of Nonbank U.S. Parents by Major Industry, 2000 and 2001
[Millions of dollars]

	2000	2001	Addenda:	
			Change	Percent change
All industries	2,141,480	1,952,124	-189,356	-8.8
Mining.....	27,681	35,329	7,648	27.6
Utilities.....	80,542	100,279	19,737	24.5
Manufacturing	995,123	854,549	-140,574	-14.1
Food.....	47,214	50,906	3,692	7.8
Beverages and tobacco products.....	48,239	42,902	-5,337	-11.1
Textiles, apparel, and leather products.....	16,928	13,556	-3,372	-19.9
Wood products.....	2,097	1,826	-271	-12.9
Paper.....	45,793	42,683	-3,110	-6.8
Printing and related support activities.....	11,653	9,445	-2,208	-18.9
Petroleum and coal products.....	111,858	94,303	-17,555	-15.7
Chemicals.....	141,326	138,855	-2,471	-1.7
Plastics and rubber products.....	25,088	22,704	-2,384	-9.5
Nonmetallic mineral products.....	13,575	12,143	-1,432	-10.5
Primary and fabricated metals.....	43,925	42,043	-1,882	-4.3
Machinery.....	75,161	76,291	1,130	1.5
Computers and electronic products.....	142,085	88,632	-53,453	-37.6
Electrical equipment, appliances, and components.....	32,258	26,868	-5,390	-16.7
Transportation equipment.....	208,603	161,060	-47,542	-22.8
Other.....	995,123	854,549	1,011	3.4
Wholesale trade.....	98,960	92,945	-6,015	-6.1
Information.....	302,307	252,746	-49,561	-16.4
Finance (except depository institutions) and insurance.....	156,747	123,109	-33,638	-21.5
Professional, scientific, and technical services.....	100,651	102,432	1,780	1.8
Other industries.....	379,469	390,736	11,268	3.0

Since 1999, these shares have shifted away from production within the firm: A 4-percentage-point decrease in the gross product share was offset by an equivalent increase in the share of purchased inputs (table 6 and chart 2). The decrease in the gross product share indicates that on average, U.S. parents in manufacturing were tending to produce less of what they sell and to rely more heavily on inputs purchased from outside suppliers.¹²

A decrease in the gross product share could reflect changes in the composition of the parent universe rather than changes in firm-level sourcing patterns. For example, a decrease may reflect changes in the industry mix of U.S. parent companies toward less vertically integrated industries, but this does not appear to have been the case. The decreases in the gross product share were widespread across manufacturing industries. Between 1999 and 2001, the share decreased in all 16 of the manufacturing industries in table 6. A statistical decomposition of the changes by industry indi-

12. In terms of direct purchases, the increased reliance on outside suppliers was mainly due to increased purchases from domestic, rather than foreign, suppliers; however, some of the inputs purchased domestically may have been produced abroad. To measure purchased inputs that were produced abroad, it is necessary to include the parents' imports of goods and services and an estimate of the import content of the goods and services that they purchase domestically. Only data on imports of goods are reported in the benchmark and annual surveys of U.S. direct investment abroad, the basis for the series presented in this article. BEA is evaluating whether it is feasible to construct estimates of parents' indirect imports.

Table 5. Output of U.S. Parents in Manufacturing, 1999–2001

	Billions of dollars		
	1999	2000	2001
Output	2,740.8	3,043.7	2,870.2
<i>Of which:</i>			
Gross product	931.2	995.1	854.5
Purchased goods and services	1,809.6	2,048.6	2,015.7
Addenda:	Percent of output		
Gross product	34	33	30
Purchased goods and services	66	67	70

Table 6. Origin of Output of U.S. Parents in Manufacturing: Share of Total Output, by Major Industry, 1999, 2000, and 2001

[Percent or millions of dollars]

	Gross product share			Purchases share			Addendum: output		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
Manufacturing	34.0	32.7	29.8	66.0	67.3	70.2	2,740,788	3,043,695	2,870,192
Food	27.3	24.6	25.7	72.7	75.4	74.3	178,957	191,835	198,435
Beverages and tobacco products	44.5	43.6	43.3	55.5	56.4	56.7	106,376	110,622	99,181
Textiles, apparel, and leather products	40.0	36.8	34.7	60.0	63.2	65.3	44,672	46,033	39,067
Wood products	38.9	27.5	25.3	61.1	72.5	74.7	8,851	7,618	7,213
Paper	38.9	36.3	35.1	61.1	63.7	64.9	120,661	126,101	121,519
Printing and related support activities	47.1	42.0	36.8	52.9	58.0	63.2	23,261	27,749	25,690
Petroleum and coal products	34.4	33.4	32.6	65.6	66.6	67.4	240,878	335,074	289,649
Chemicals	37.7	37.0	35.2	62.3	63.0	64.8	355,300	381,691	394,148
Plastics and rubber products	39.3	34.0	31.9	60.7	66.0	68.1	59,307	73,882	71,157
Nonmetallic mineral products	40.4	34.6	33.8	59.6	65.4	66.2	34,395	39,196	35,927
Primary and fabricated metals	34.5	31.6	31.3	65.5	68.4	68.7	134,146	138,928	134,448
Machinery	34.8	30.0	29.2	65.2	70.0	70.8	146,526	250,872	261,389
Computers and electronic products	31.2	35.2	26.3	68.8	64.8	73.7	340,224	403,451	336,431
Electrical equipment, appliances, and components	35.6	33.0	30.7	64.4	67.0	69.3	88,535	97,895	87,440
Transportation equipment	30.1	28.2	23.3	69.9	71.8	76.7	785,956	740,526	691,383
Other	41.4	40.6	39.3	58.6	59.4	60.7	72,743	72,224	77,114

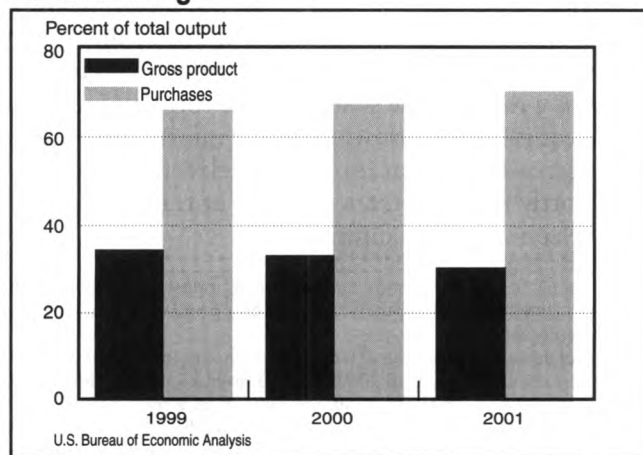
cates that changes in the industry mix of parents actually mitigated the decrease in the gross product share. A decrease may also reflect changes in the composition of the parent company universe within industries toward companies that are less vertically integrated, but the universe of parent companies has been relatively stable over the last decade.

The decrease in the gross product share is probably due to increased outsourcing by parent companies. Anecdotal evidence of increased outsourcing activities by U.S. firms has been widely noted, and some analysts have found possible evidence that these structural changes were especially pronounced during the 2001 recession and the subsequent recovery.¹³ Firms may accelerate structural changes during economic downturns partly because of the immediate need to reduce expenses.

The manufacturing industries with the largest de-

13. See, for example, Erica L. Groshen and Simon Potter, "Has Structural Change Contributed to a Jobless Recovery?" *Current Issues in Economics and Finance* 9 (August 2003): 1–7.

Chart 2. Origin of Output of U.S. Parents in Manufacturing



creases in the gross product share were transportation equipment, machinery, and computers and electronic products. Production in these industries is particularly amenable to outsourcing because the stages of production are often physically separable.

Operations of Majority-Owned Foreign Affiliates

This section examines selected aspects of the operations of majority-owned foreign affiliates (MOFAs) of U.S. MNCs in 2001: The changes in gross product, the country and industry distributions of newly acquired or established MOFAs, the MOFA shares of host country GDP, and the origin of output by MOFAs in manufacturing.¹⁴

Changes in gross product

The gross product of MOFAs decreased 3.8 percent to \$583.4 billion in 2001 (table 7). The largest contributors to the decrease were affiliates that existed in both 2000 and 2001. The combined gross product of these affiliates decreased \$55.1 billion, or 9.8 percent, but the sale or liquidation of MOFAs, with a combined gross product of \$14.7 billion, also contributed significantly to the decrease.

The decrease in MOFA gross product coincided with the sharp slowdown in the growth in host-country GDP. By region, decreases in MOFA gross product were widespread, but in percentage terms, they were most pronounced in Africa and in Latin America and Other Western Hemisphere (table 8).

In Africa, MOFA gross product decreased 11.0 percent. The decrease was concentrated among MOFAs in

oil and gas extraction, particularly in Nigeria and Angola, and it reflected the fall in world petroleum prices and the negligible growth in world petroleum consumption.

In Latin America and Other Western Hemisphere, MOFA gross product decreased 5.7 percent. The decrease was concentrated in South America, and it mainly reflected an economic recession in Argentina and a pronounced decrease in economic growth in Brazil. Further contributing to the decrease in Brazil was a sharp decline in the U.S. dollar price of the Brazilian real, which tended to decrease the dollar value of MOFA gross product.

In Asia and Pacific, MOFA gross product decreased 4.1 percent. The decrease was concentrated by country and by industry, most notably among Singapore affiliates in computers and electronic products manufacturing, Australian affiliates in transportation equipment manufacturing, and Hong Kong affiliates in finance (except banks). The decreases primarily reflected firm- or industry-specific conditions; in Australia, for example, automobile sales decreased 6 percent despite a general improvement in economic conditions in 2001.

In Europe, MOFA gross product decreased 3.3 percent. The decrease was widespread by country but were concentrated in the manufacturing and wholesale trade industries and partly reflected weak demand for durable goods. Despite the overall decline in the

Table 8. Product of Nonbank Majority-Owned Foreign Affiliates by Major Area and Industry of Affiliate, 2000 and 2001

[Millions of dollars]

	2000	2001	Addenda:	
			Change	Percent change
All areas, all industries	606,626	583,444	-23,181	-3.8
By major area				
Canada	73,483	71,527	-1,955	-2.7
Europe	328,862	317,983	-10,879	-3.3
Latin America and Other Western Hemisphere	68,238	64,315	-3,923	-5.7
Africa	13,785	12,271	-1,514	-11.0
Middle East	7,564	7,354	-210	-2.8
Asia and Pacific	114,695	109,995	-4,699	-4.1
By major industry				
Mining	57,822	55,188	-2,434	-4.2
Utilities	11,046	11,203	157	1.4
Manufacturing	315,697	300,819	-14,877	-4.7
<i>Of which:</i>				
Food	19,231	18,668	-563	-2.9
Chemicals	57,745	57,617	-128	-0.2
Primary and fabricated metals	12,316	11,908	-408	-3.3
Machinery	17,763	16,725	-1,038	-5.8
Computers and electronic products	42,940	36,038	-6,902	-16.1
Electrical equipment, appliances, and components	7,566	6,945	-621	-8.2
Transportation equipment	50,083	44,606	-5,476	-10.9
Wholesale trade	99,554	92,713	-6,840	-6.9
Information	20,635	19,388	-1,247	-6.0
Finance (except depository institutions) and insurance	19,655	23,511	3,856	19.6
Professional, scientific, and technical services	33,043	30,926	-2,117	-6.4
Other industries	49,374	49,695	321	0.7

Table 7. Sources of Change in Gross Product for Nonbank Majority-Owned Foreign Affiliates, 2000-2001

Line		Millions of dollars
1	2000 level	606,626
2	Total change	-23,182
3	New MOFAs	7,130
4	Acquired by U.S. parents	4,241
5	Established by U.S. parents	2,888
6	Changes in existing operations ¹	-55,100
7	Sales or liquidations of MOFAs	-14,724
8	Other changes ²	39,512
9	2001 level	583,444

1. Includes changes resulting from MOFAs acquiring, establishing, selling, or liquidating parts of their consolidated operations. BEA permits survey respondents to consolidate affiliate operations that are in the same country if the affiliates are also in the same industry or are integral parts of a single business operation.

2. Equals the change in the gross product of MOFAs not accounted for in lines 3-7. It includes changes resulting from the addition to the survey universe of MOFAs that were exempt from reporting in earlier years and MOFAs that were required to report in earlier years but did not.

MOFA Majority-owned foreign affiliate

region, the gross product of MOFAs in Eastern Europe increased at a double-digit rate—as it has, almost unabated, since 1989, when the Berlin Wall fell and the reopening of the region to investments from Western countries began.

In Canada, MOFA gross product decreased 2.7 percent. The decrease was concentrated in manufacturing, primarily affiliates in transportation equipment manufacturing whose output is primarily directed toward the United States, where automobile sales declined.

In the Middle East, MOFA gross product decreased 2.8 percent. The decrease was most pronounced in mining, particularly oil and gas extraction, and mainly reflected global petroleum market conditions.

By major industry, the decreases in gross product were widespread, but they were particularly significant in wholesale trade (primarily computer hardware), information (particularly telecommunications), professional, scientific, and technical services (particularly computer systems design and related services), and manufacturing (particularly computers and electronic products, and transportation equipment).

Newly acquired or established MOFAs

In 2001, U.S. MNCs acquired or established 468 new MOFAs, up slightly from 456 in 2000 (table 9). The

new MOFAs had a combined gross product of \$7.1 billion, up from \$5.7 billion in 2000. They employed 148,000 workers, down from 348,000.

By area, Europe continued to be the most popular location for new affiliates. New European affiliates accounted for about half of all new affiliates and for about half of their gross product. This tendency suggests that access to markets continues to be a more significant factor in investment decisions than access to low-cost labor.¹⁵

By industry, manufacturing continued to be the most popular industry for new investments in 2001. New manufacturing affiliates accounted for 26 percent of all new affiliates, for 52 percent of their gross product, and for 47 percent of their employment.

MOFA share of host country GDP

Among the major host countries in table 10, the share of host-country gross domestic product (GDP) accounted for by MOFAs in 2001 ranged from 16.0 percent in Ireland to 0.2 percent in Saudi Arabia. The

15. For a discussion of this topic, see J. Steven Landefeld and Ralph Kozlow, "Globalization and Multinational Companies: What Are the Questions, and How Well Are We Doing in Answering Them?" (paper presented at the Conference of European Statisticians, Globalization Seminar, Geneva, Switzerland, June 12, 2003); <www.bea.gov/bea/papers/globalization.pdf>.

Table 9. Newly Acquired or Established Nonbank Majority-Owned Foreign Affiliates, by Major Area and Industry of Affiliate, 2000 and 2001

	2000 ¹					2001				
	Number of newly acquired or established affiliates			Gross product (millions of dollars)	Number of employees (thousands)	Number of newly acquired or established affiliates			Gross product (millions of dollars)	Number of employees (thousands)
	Total	Acquired	Established			Total	Acquired	Established		
All areas, all industries	456	223	233	5,679	347.8	468	204	264	7,130	148.5
By major area										
Canada	44	25	19	1,594	19.9	52	28	24	1,300	6.8
Europe	248	116	132	2,194	264.3	237	104	133	3,564	77.4
Latin America and Other Western Hemisphere	78	37	41	1,375	25.2	82	32	50	612	24.5
Africa	6	3	3	(D)	(D)	8	4	4	(D)	(D)
Middle East	8	6	2	(D)	(D)	3	2	1	(D)	(D)
Asia and Pacific	72	36	36	518	35.3	86	34	52	1,568	34.9
By major industry										
Mining	16	10	6	1,003	3.7	29	27	2	1,175	2.6
Utilities	12	7	5	107	3.0	26	19	7	562	12.3
Manufacturing	154	110	44	3,687	148.2	124	76	48	3,710	70.5
Of which:										
Food	4	4	0	40	1.6	14	8	6	469	7
Chemicals	28	6	22	436	7.9	47	30	17	1,404	19.9
Primary and fabricated metals	31	31	0	995	35.3	5	4	1	70	3.0
Machinery	13	12	1	246	8.0	4	3	1	(D)	(D)
Computers and electronic products	28	24	4	328	24.0	13	11	2	172	5.4
Electrical equipment, appliances, and components	7	6	1	116	3.2	1	1	0	(D)	(D)
Transportation equipment	18	13	5	491	14.7	26	9	17	1,141	29.4
Wholesale trade	49	23	26	1,040	8.3	51	15	36	254	13.4
Information	12	8	4	-107	5.6	9	7	2	186	5.2
Finance (except depository institutions) and insurance	68	22	46	-4,624	8.2	79	20	59	505	24.0
Professional, scientific, and technical services	16	10	6	288	4.9	12	5	7	60	1.3
Other industries	129	33	96	4,282	165.8	138	35	103	673	19.3
Of which:										
Holding companies	96	24	72	-40	0.3	113	24	89	-73	0.1

D Suppressed to avoid disclosure of data of individual companies.

1. The 2000 estimates of the newly acquired or established affiliate have been revised downward significantly from the previously published estimates due to the removal of an estimation error in the preliminary estimates.

NOTE: The data in this table cover only newly acquired or established foreign affiliates. They exclude data for

consolidated units of existing foreign affiliates that were acquired or established during the year. The numbers of newly acquired or established affiliates for 2000 and 2001 are not strictly comparable with those for new affiliates in the earlier annual surveys covering 1995-98 because of differences in the criteria for reporting. Completing the 2000 and 2001 annual surveys was required if the total assets, sales, or net income of the foreign affiliate exceeded \$30 million, while the threshold for filing on the 1995-98 annual surveys was \$20 million.

extent of MOFA production in a host economy reflects both the country's attractiveness to U.S. MNCs as a location for production and the country's openness to foreign direct investment.

The remainder of this section will examine selected factors that can influence the MOFA share of production in a host economy by comparing measures of these factors for the top 10 countries and the bottom 10 countries in table 10 in terms of MOFA share.

The MOFA share of host-country GDP appears to increase with the lowering of language and cultural barriers, because these barriers can increase the cost and risk of foreign direct investment. English is spoken in 5 of the 10 host countries in table 10 that accounted for the largest MOFA shares in 2001—Ireland, Singapore, Canada, Nigeria, and the United Kingdom; in contrast, English is spoken in only 1 of the 10 host countries with the lowest MOFA shares—India.

Table 10. Gross Product of Majority-Owned Foreign Affiliates as a Percentage of GDP of Selected Host Countries, 1994, 1999, 2000, and 2001

	1994	1999	2000	2001
Ireland.....	12.1	15.9	17.2	16.0
Singapore.....	8.1	11.7	14.3	12.0
Canada.....	8.8	10.4	10.4	10.3
Nigeria.....	4.2	8.2	11.6	9.9
United Kingdom.....	6.1	7.1	7.8	7.2
Honduras.....	8.3	4.7	6.0	6.2
Malaysia.....	5.1	6.0	5.8	5.7
Belgium.....	5.1	5.3	5.9	5.5
Netherlands.....	4.4	4.8	5.5	5.4
Norway.....	3.7	4.1	5.7	5.2
Australia.....	4.6	4.8	5.3	5.0
Hong Kong.....	3.7	5.1	5.2	4.8
Indonesia.....	2.6	3.7	4.0	4.0
Venezuela.....	2.7	3.0	2.7	3.8
New Zealand.....	2.8	3.5	3.1	3.7
Costa Rica.....	6.1	2.8	3.4	3.6
Thailand.....	1.8	2.7	3.2	3.4
Philippines.....	2.8	3.6	3.5	3.2
Chile.....	3.3	4.0	2.9	3.2
Mexico.....	2.3	3.7	3.4	3.2
Germany.....	2.7	2.9	3.2	3.1
Portugal.....	2.5	2.2	3.1	2.9
Brazil.....	3.0	3.1	3.1	2.9
Israel.....	1.3	1.6	2.4	2.8
Sweden.....	1.3	2.6	2.9	2.7
Colombia.....	2.9	2.7	3.1	2.7
Czech Republic.....	1.1	2.2	2.5	2.7
France.....	2.4	2.6	2.8	2.6
Argentina.....	1.5	2.6	2.7	2.6
Hungary.....	1.7	2.5	2.7	2.6
Denmark.....	1.4	1.7	2.0	2.1
Peru.....	1.3	2.1	2.3	2.0
Italy.....	1.8	1.9	1.9	1.9
Spain.....	1.7	1.8	1.9	1.8
Austria.....	1.7	1.6	1.8	1.8
South Africa.....	0.7	1.3	1.8	1.6
Finland.....	1.2	1.7	1.6	1.5
Ecuador.....	1.3	1.6	2.3	1.5
Egypt.....	1.4	1.2	1.2	1.4
Poland.....	0.4	0.7	1.2	1.3
Turkey.....	0.8	1.0	0.9	1.0
Korea, Republic of.....	0.4	0.8	1.0	1.0
Japan.....	0.5	0.7	0.8	0.9
Switzerland.....	2.7	3.5	0.5	0.9
Greece.....	1.4	0.8	0.8	0.6
China.....	0.1	0.4	0.5	0.5
India.....	0.1	0.2	0.4	0.4
Russia.....	(*)	0.1	0.2	0.4
Saudi Arabia.....	0.2	0.7	0.2	0.2

* Less than 0.05 percent.

Notes. The countries are sorted in descending order of their 2001 values. Where two countries have the same 2001 value in the table, they were sorted using unrounded values.

Gross domestic product data for host countries were obtained from the World Bank Group Web site.

GDP Gross domestic product

The MOFA share of host-country GDP also appears to increase with the lowering of host-country corporate income tax rates. Lower effective tax rates reduce the tax expenses of MOFAs and raise the expected return on investment. In 2001, in the top 10 host countries, the median host-country effective income tax rate faced by MOFAs was 21 percent; in the bottom 10 host countries, it was 37 percent.

The MOFA share of host-country GDP can also be influenced by a variety of other factors, which might be described as the "investment climate." One measure of this investment climate is the United Nations Conference on Trade and Development's Inward Foreign Direct Investment Potential Index.¹⁶ The top 10 host countries scored more favorably in this index than the bottom 10 host countries.

Origin of output in manufacturing

In 2001, the gross product of MOFAs accounted for 26 percent of the output of MOFAs in manufacturing, and the goods and services purchased by MOFAs from outside suppliers accounted for the remaining 74 percent (table 11).¹⁷

Since 1999, these shares have shifted modestly away from production within the firm: A 3-percentage-point decrease in the gross product share was offset by an equivalent increase in the share of purchased inputs. The decrease in the gross product share indicates that on average, MOFAs in manufacturing (like their U.S. parents) were tending to produce less of what they sell and to rely more heavily on outside suppliers.

A statistical decomposition of the changes in gross product share by industry indicates that the decrease in the gross product share was mainly due to changes in firm-level sourcing patterns. An almost negligible part of the decrease was attributable to changes in industry mix toward less vertically integrated industries.

16. The index covers factors such as growth in, and distribution of, total income, physical infrastructure, human capital, political risk, natural resources, and level of international trade and investment in the country. For the latest estimates, see the United Nations Conference on Trade and Development, *World Investment Report 2003* (United Nations, New York and Geneva, 2003).

17. This analysis is restricted to manufacturing partly because of the unavailability of output estimates in some other industries, see footnote 11.

Table 11. Output of MOFAs in Manufacturing, 1999–2001

	Billions of dollars		
	1999	2000	2001
Output.....	1,107.4	1,180.3	1,141.2
Of which:			
Gross product.....	316.3	315.7	300.8
Purchased goods and services.....	791.1	864.6	840.4
Addenda:	Percent of output		
Gross product.....	29	27	26
Purchased goods and services.....	71	73	74

Data Availability

This article presents a summary of the final 2000 and preliminary 2001 estimates of the worldwide operations of U.S. multinational companies (MNCs) from the 2000 and 2001 Annual Surveys of U.S. Direct Investment Abroad. More detailed estimates from the surveys will be posted on BEA's Web site later this year.

The final estimates of U.S. MNC operations in 1977 and in 1982–99 are available in publications or in files that can be downloaded at no charge from the Web site <www.bea.gov>.

For more information on these products and how to obtain them, see the International Investment Division Product Guide on the Web site under “International.”

Tables 12.1 through 16.2 follow.

Table 14.2. Selected Data for Majority-Owned Nonbank Foreign Affiliates, by Country of Affiliate, 2001

	Millions of dollars												Thousands of employees
	Total assets	Sales				Net income	Capital expenditures	Research and development expenditures	U.S. exports of goods shipped to MOFAs	U.S. imports of goods shipped by MOFAs	Gross product	Compensation of employees	
		Total	Goods	Services	Investment income ¹								
All countries	5,225,797	2,520,556	1,976,417	456,085	88,054	176,380	111,442	19,402	198,547	197,436	583,444	265,353	8,193.4
Canada	464,038	334,124	272,903	52,947	8,274	16,417	17,999	2,131	63,501	71,871	71,527	33,465	1,044.2
Europe	3,170,144	1,311,967	1,016,508	244,550	50,909	97,126	51,496	11,677	47,906	37,928	317,983	154,741	3,749.4
Austria	12,928	12,916	11,399	1,426	91	517	484	63	197	95	3,376	1,684	35.6
Belgium	110,975	52,507	45,909	5,538	1,060	5,256	1,630	406	3,204	1,197	12,739	5,688	113.5
Czech Republic	4,780	5,205	4,396	775	34	336	329	3	70	120	1,567	447	50.1
Denmark	23,569	10,282	8,090	2,035	157	4,302	465	(D)	120	156	3,326	1,680	38.7
Finland	7,834	7,185	5,940	1,182	63	451	218	76	130	183	1,856	765	19.0
France	166,117	121,962	99,498	20,951	1,513	3,899	4,257	1,414	4,079	2,845	34,367	21,061	540.5
Germany	268,999	199,178	167,233	27,540	4,405	8,309	7,765	3,258	7,352	5,067	57,710	28,953	601.0
Greece	3,218	3,721	3,341	316	64	242	80	12	56	8	757	351	11.8
Hungary	5,843	7,870	7,125	714	31	82	427	17	247	974	1,344	548	51.4
Ireland	191,237	71,528	63,987	5,787	1,754	17,888	2,403	606	1,839	7,339	16,529	3,169	86.8
Italy	71,554	67,773	58,727	8,276	770	2,433	2,059	516	1,659	1,162	20,666	8,637	211.3
Luxembourg	154,363	6,098	4,858	738	502	10,155	141	(D)	97	48	1,801	430	8.7
Netherlands	398,356	112,599	92,187	15,952	4,460	22,397	2,955	409	8,807	2,425	20,362	7,641	175.8
Norway	20,427	17,458	14,909	2,452	97	1,787	1,783	36	258	216	8,583	1,546	29.2
Poland	9,162	9,188	7,817	1,245	126	-173	705	13	149	105	2,438	922	68.5
Portugal	9,806	8,096	6,409	1,661	26	556	321	19	117	61	3,178	925	39.7
Russia	5,248	4,985	4,374	545	66	26	351	(*)	33	0	1,110	432	30.1
Spain	60,256	46,975	40,810	5,680	485	2,923	1,737	182	814	493	10,619	6,127	184.3
Sweden	60,519	33,642	29,330	3,692	620	1,226	1,269	574	582	4,598	5,746	3,566	90.1
Switzerland	166,366	83,045	74,936	6,194	1,915	4,638	1,048	336	5,991	2,114	2,149	4,278	58.3
Turkey	3,683	5,259	4,662	584	13	-111	167	11	204	35	1,465	532	29.8
United Kingdom	1,391,209	415,338	252,648	130,118	32,572	8,451	19,400	3,564	11,746	8,637	103,143	54,633	1,204.8
Other	23,716	9,156	7,924	1,150	84	1,537	1,504	7	153	50	3,151	726	70.4
Latin America and Other Western Hemisphere	746,829	306,912	234,704	59,501	12,707	29,120	17,962	549	43,363	48,126	64,315	27,445	1,585.7
South America	209,699	124,172	93,185	28,927	2,060	173	9,369	286	7,401	4,160	32,857	14,726	660.5
Argentina	47,609	24,528	17,460	6,390	678	-479	2,411	43	1,168	365	7,034	3,074	97.0
Brazil	94,336	59,760	46,483	12,434	843	-1,360	3,351	197	3,523	1,886	14,547	7,226	348.0
Chile	19,329	8,875	5,737	2,887	251	227	569	8	469	342	2,136	877	53.8
Colombia	11,769	8,784	7,512	1,203	69	353	611	11	653	412	2,256	916	57.3
Ecuador	2,075	1,756	1,455	288	13	12	151	(*)	75	341	314	137	12.2
Peru	8,717	4,539	614	34	66	458	2	197	478	1,108	400	19.8	
Venezuela	22,510	13,466	8,594	4,726	146	1,231	1,690	24	1,197	511	4,797	1,854	62.0
Other	3,354	2,462	2,054	385	23	124	128	2	119	25	664	241	10.4
Central America	138,177	119,432	107,801	10,197	1,434	4,697	5,590	254	34,583	42,619	22,164	11,330	873.8
Costa Rica	3,245	2,706	2,590	99	17	141	115	4	260	972	583	282	24.5
Honduras	1,123	1,369	(D)	(D)	(D)	44	35	0	70	(D)	397	135	15.1
Mexico	98,261	107,293	(D)	(D)	(D)	4,409	4,952	250	33,595	41,177	19,891	10,474	801.8
Panama	31,243	4,171	3,147	942	82	-102	123	(*)	444	(D)	340	205	11.8
Other	4,306	3,893	(D)	(D)	(D)	205	365	(*)	214	197	953	235	20.5
Other Western Hemisphere	398,952	63,309	33,717	20,377	9,215	24,250	3,003	9	1,376	1,347	9,294	1,390	51.4
Barbados	11,605	3,062	1,490	1,353	219	1,559	38	1	231	1	1,296	34	1.2
Bermuda	211,008	33,695	17,282	11,524	4,889	15,222	846	2	72	4	4,088	324	10.9
Dominican Republic	3,691	2,845	1,575	1,270	0	484	523	1	101	240	962	206	16.5
United Kingdom Islands, Caribbean	132,669	12,104	5,093	3,640	3,371	4,994	736	3	211	154	694	423	5.7
Other	39,980	11,603	8,277	2,590	736	1,991	860	2	763	949	2,253	403	17.1
Africa	51,299	33,597	29,380	4,120	97	2,900	4,142	25	707	4,066	12,271	2,220	139.1
Egypt	5,644	4,609	4,332	270	7	687	990	4	121	(*)	1,408	196	20.9
Nigeria	9,443	5,880	5,444	436	0	964	936	(*)	50	(D)	4,215	212	8.7
South Africa	6,553	10,036	8,837	1,149	50	185	240	21	281	59	1,882	1,083	54.7
Other	29,660	13,072	10,767	2,265	40	1,064	1,976	1	255	(D)	4,766	729	54.8
Middle East	24,964	18,213	14,905	3,196	112	1,938	1,154	717	854	810	7,354	2,189	60.2
Israel	10,954	7,569	6,246	1,298	25	857	583	717	381	727	3,102	1,431	39.8
Saudi Arabia	4,510	1,891	827	1,053	11	-7	22	(*)	72	(D)	281	247	6.8
United Arab Emirates	3,885	5,051	4,571	445	35	185	49	0	314	30	1,413	290	6.1
Other	5,614	3,702	3,261	399	42	902	499	0	87	(D)	2,557	221	7.5
Asia and Pacific	768,522	515,743	408,017	91,771	15,955	28,879	18,689	4,303	42,216	34,636	109,995	45,293	1,614.8
Australia	101,371	58,563	42,293	15,176	1,094	2,407	3,088	285	4,662	1,080	18,427	9,125	265.3
China	33,448	32,545	29,468	3,031	46	1,799	1,588	(D)	2,045	2,949	5,951	2,140	272.9
Hong Kong	100,478	52,033	40,915	8,827	2,291	4,301	514	291	4,669	6,420	7,749	3,934	79.8
India	13,533	7,585	6,191	1,195	199	265	1,040	26	440	140	2,099	746	68.8
Indonesia	24,201	12,062	11,189	786	87	1,742	2,081	3	288	343	5,631	646	64.6
Japan	263,034	157,228	110,914	37,039	9,275	6,437	3,171	1,540	13,222	2,231	37,376	17,411	235.1
Korea, Republic of	16,147	16,656	13,720	2,735	201	840	713	156	1,785	295	4,131	1,955	64.0
Malaysia	23,451	26,215	24,249	1,807	159	1,723	1,040	(D)	1,515	4,314	5,056	1,346	118.7
New Zealand	15,032	7,822	5,721	1,990	111	227	347	10	336	79	1,853	988	40.0
Philippines	14,131	9,809	8,424	1,204	181	671	885	146	1,230	534	2,308	626	72.1
Singapore	95,606	90,566	83,656	5,906	1,004	5,884	1,924	755	8,533	13,583	10,181	3,525	112.9
Taiwan	39,679	23,493	13,835	8,585	973	938	574	139	2,122	1,649	3,606	1,762	86.6
Thailand	19,301	17,504	14,901	2,316	287	1,024	950	18	1,324	1,019	3,977	846	95.3
Other	9,110	3,663	2,440	1,173	50	620	773	(*)	45	0	1,650	243	20.7
Addenda:													
Eastern Europe ²	45,019	34,718	30,395	4,010	313	1,689	3,213	38	603	1,222	9,294	2,930	263.1
European Union (15) ³	2,930,939	1,169,800	890,365	230,892	48,543	89,005	45,183	11,253	40,800	34,314	296,175	145,930	3,361.7
OPEC ⁴	70,530	41,132	33,067	7,779	286	4,755	5,366	27	2,014	3,169	18,286	3,477	152.6

MOFA Majority-owned foreign affiliate

* Less than \$500,000 (+/-).

D Suppressed to avoid disclosure of data of individual companies.

1. See footnote 1

Table 15.1. Employment of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 2000
 [Thousands of employees]

	All industries	Mining	Utilities	Manufacturing								Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries
				Of which:												
				Total	Food	Chemicals	Primary and fabricated metals	Machinery	Computers and electronic products	Electrical equipment, appliances, and components	Transportation equipment					
All countries	8,171.4	136.6	59.0	4,408.8	361.1	566.6	240.8	345.8	791.2	227.2	902.2	752.0	322.6	286.7	414.6	1,791.0
Canada	1,051.7	13.6	1.2	454.3	36.3	39.5	28.5	22.0	48.6	16.9	125.2	76.8	32.9	34.3	34.6	404.0
Europe	3,713.8	22.2	31.8	1,897.4	129.2	277.6	139.6	186.1	229.4	94.2	433.7	419.4	170.6	115.7	240.0	816.8
Austria.....	33.9	(*)	0.0	20.1	2.2	1.7	0.7	2.1	2.3	0.7	7.0	7.2	1.0	0.1	2.7	2.7
Belgium.....	120.2	0.1	0.0	61.7	7.2	18.9	2.5	7.3	0.4	3.1	5.7	20.1	4.0	3.0	6.7	22.5
Czech Republic.....	48.0	0.0	G	38.1	1.1	3.5	2.1	1.9	10.5	0.3	13.6	2.6	0.9	0.4	2.3	G
Denmark.....	36.8	0.4	0.0	18.3	G	0.6	0.7	7.1	2.6	A	0.4	9.0	G	0.2	4.5	H
Finland.....	16.2	0.0	0.0	7.5	0.1	0.9	0.2	1.0	2.7	(*)	0.5	5.0	0.4	0.1	1.7	1.4
France.....	546.2	0.1	0.0	248.8	12.7	50.3	15.6	24.8	32.8	13.5	38.2	63.1	11.6	8.4	24.4	189.8
Germany.....	601.3	0.9	0.1	387.6	12.3	39.3	24.8	40.6	42.1	21.6	142.0	72.0	15.6	13.1	30.5	81.5
Greece.....	12.4	0.0	0.0	6.6	2.4	1.5	0.7	0.0	0.2	0.0	0.0	3.5	(*)	0.4	1.0	1.0
Hungary.....	50.0	0.0	G	39.5	1.9	2.7	H	0.7	3.9	J	8.6	3.7	1.3	0.2	1.7	G
Ireland.....	90.5	(*)	0.0	66.5	1.5	9.6	2.4	1.5	29.2	2.3	1.1	6.4	4.3	1.8	3.9	7.6
Italy.....	204.4	0.1	(*)	136.3	4.4	27.1	11.0	14.2	21.2	9.9	27.1	23.2	7.2	3.9	9.8	23.8
Luxembourg.....	8.9	0.0	0.0	6.7	0.0	0.7	0.3	0.0	0.0	0.1	0.0	0.9	(*)	0.4	0.7	0.2
Netherlands.....	168.4	2.8	F	83.5	9.6	17.6	5.9	10.1	14.1	1.7	9.8	31.2	10.6	1.8	10.4	K
Norway.....	28.2	4.2	(*)	8.0	G	0.9	0.1	2.7	0.5	0.1	(*)	4.8	1.1	0.4	1.7	8.0
Poland.....	69.9	0.0	0.6	51.3	12.0	3.7	1.6	0.9	0.2	0.3	16.5	3.4	4.4	0.8	2.2	7.2
Portugal.....	39.7	0.0	0.0	25.9	3.8	1.7	0.4	0.9	2.2	0.3	13.7	6.1	H	0.4	1.4	G
Russia.....	27.3	1.1	0.0	16.6	2.4	7.2	0.0	0.6	0.1	0.6	1.0	2.2	1.4	0.1	1.5	4.5
Spain.....	182.1	0.1	0.2	115.4	11.8	17.8	7.7	7.3	6.3	7.4	35.7	19.7	8.5	3.7	7.7	26.9
Sweden.....	92.1	0.0	0.0	51.9	G	6.3	1.6	4.0	4.3	H	24.1	13.0	4.2	1.4	3.1	18.5
Switzerland.....	54.9	0.2	0.0	18.6	G	2.6	0.5	2.2	4.2	2.0	0.7	19.4	2.3	1.2	3.8	9.5
Turkey.....	30.3	0.1	J	13.4	1.1	3.5	0.3	(*)	0.0	0.2	4.1	8.5	0.1	0.2	1.1	6.9
United Kingdom.....	1,188.6	7.4	J	431.2	31.5	57.8	35.7	55.9	48.7	12.7	80.3	89.9	L	73.6	112.9	365.9
Other.....	63.7	4.9	H	43.7	5.5	1.7	J	0.3	0.8	G	3.5	4.5	0.9	0.4	1.8	H
Latin America and Other Western Hemisphere	1,613.3	47.0	18.3	1,063.3	120.9	127.4	40.1	64.6	138.4	51.8	270.3	74.3	68.6	42.6	28.3	270.9
South America.....	667.2	39.1	15.6	360.6	61.8	72.2	17.3	40.0	16.8	10.0	65.2	44.3	45.9	25.8	17.9	118.0
Argentina.....	102.2	4.3	4.5	43.7	8.7	12.4	1.3	1.0	0.2	0.2	8.5	6.8	6.7	10.3	4.3	21.7
Brazil.....	351.8	2.7	6.7	251.7	37.1	41.0	14.1	36.8	16.5	8.7	50.4	18.4	24.3	6.7	5.5	35.9
Chile.....	54.6	4.1	G	11.0	2.3	3.1	0.6	0.4	0.0	0.4	F	4.0	3.8	6.6	1.5	J
Colombia.....	60.1	7.0	(*)	16.9	3.5	5.4	0.5	0.0	0.0	0.4	1.3	6.4	4.0	0.8	1.6	23.4
Ecuador.....	10.8	1.6	0.1	5.0	2.0	0.9	(*)	0.0	0.0	0.0	0.4	1.1	0.8	0.1	0.4	1.8
Peru.....	20.3	11.4	0.2	2.7	0.9	1.2	0.1	0.0	0.0	0.0	0.0	2.6	1.7	0.1	0.4	1.1
Venezuela.....	57.3	5.9	H	26.3	5.9	7.8	0.7	1.6	(*)	0.2	4.1	3.4	3.3	1.0	3.5	J
Other.....	10.1	2.2	0.2	3.3	1.4	0.5	0.0	0.2	0.0	0.0	A	1.5	1.3	0.3	0.7	0.6
Central America.....	902.1	2.0	2.3	682.5	57.8	53.0	21.6	24.4	121.6	41.8	205.1	26.5	J	12.5	10.0	M
Costa Rica.....	24.8	(*)	0.0	13.8	2.4	0.9	0.5	(*)	H	2.8	0.0	0.8	F	0.1	0.6	I
Honduras.....	19.7	0.0	(*)	12.1	1.7	0.2	0.0	0.0	0.0	0.1	G	0.6	(*)	0.4	0.0	6.6
Mexico.....	822.6	1.3	1.2	641.9	51.6	48.7	21.0	24.3	116.5	38.9	202.5	22.1	17.1	11.4	9.0	118.6
Panama.....	15.0	(*)	0.3	3.4	0.3	0.6	0.0	0.0	0.0	0.0	G	1.0	(*)	0.3	(*)	10.0
Other.....	19.9	0.7	0.8	11.3	1.9	2.6	0.1	0.0	G	0.0	0.0	2.2	F	0.3	0.3	H
Other Western Hemisphere.....	44.0	5.8	0.4	20.1	1.3	2.1	1.2	0.2	0.1	0.0	3.4	H	4.3	0.5	1.1	I
Barbados.....	1.5	0.1	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.5	(*)	0.1	0.1
Bermuda.....	4.4	0.0	0.0	0.2	0.0	0.0	(*)	0.0	0.2	0.0	0.0	0.4	(*)	3.3	0.1	0.5
Dominican Republic.....	17.1	0.0	0.3	12.1	0.8	0.8	0.2	0.0	0.0	0.0	0.0	0.7	H	0.0	0.1	A
United Kingdom Islands, Caribbean.....	5.6	1.3	0.0	2.2	0.1	0.0	0.4	(*)	(*)	0.0	0.0	0.6	(*)	0.6	0.1	0.8
Other.....	15.5	4.5	0.2	5.2	0.2	1.3	0.5	(*)	(*)	0.0	0.0	1.5	(*)	0.4	0.1	3.6
Africa	137.2	16.2	0.0	76.9	10.9	12.3	3.1	6.4	1	2.2	10.0	16.8	2.0	1.3	6.3	17.7
Egypt.....	18.1	0.9	0.0	13.0	1.0	2.4	0.3	3.3	0.0	0.0	0.0	G	0.1	0.1	0.1	G
Nigeria.....	8.8	6.0	0.0	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.2	0.8	0.8
South Africa.....	58.0	(*)	0.0	35.6	G	6.8	G	3.1	0.2	2.2	7.5	9.3	1.8	0.5	5.8	5.1
Other.....	52.3	9.3	0.0	27.3	I	2.2	G	0.1	I	(*)	2.5	I	0.1	0.7	0.2	I
Middle East	64.0	7.3	0.0	27.3	2.2	1.2	0.6	1.7	J	0.1	0.1	5.3	3.6	0.9	4.5	15.1
Israel.....	42.4	0.0	0.0	24.4	G	0.7	0.2	1.1	J	0.1	0.1	3.4	G	0.3	3.2	I
Saudi Arabia.....	7.7	1.3	0.0	G	0.0	0.2	0.4	0.6	(*)	0.0	(*)	0.2	G	0.1	0.7	G
United Arab Emirates.....	6.2	2.5	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.2	0.5	1.3
Other.....	7.7	3.5	0.0	G	A	0.2	(*)	(*)	0.0	0.0	0.0	0.2	(*)	0.3	0.2	G
Asia and Pacific	1,591.3	30.3	7.7	889.6	61.6	108.6	29.0	65.0	350.5	62.1	63.0	159.5	44.9	91.9	100.8	266.5
Australia.....	262.4	2.5	2.3	102.6	22.7	14.2	11.8	7.7	4.5	0.9	20.1	24.0	14.8	10.9	23.9	81.4
China.....	252.0	1.0	0.4	193.6	7.6	24.1	8.0	17.7	70.1	38.8	9.8	9.0	2.0	G	4.4	K
Hong Kong.....	97.2	0.0	H	38.3	0.1	1.6	G	2.0	11.1	8.1	0.7	19.8	3.4	8.5	8.4	J
India.....	70.8	0.6	0.1	48.0	2.4	8.8	G	15.5	3.5	2.8	7.3	12.2	1.1	1.2	5.7	1.7
Indonesia.....	61.6	19.6	0.2	26.2	0.3	5.9	0.2	1.4	0.3	3.0	2.0	1.3	(*)	5.2	2.0	7.1
Japan.....	229.1	(*)	0.0	74.8	1.7	25.6	1.6	5.6	21.9	1.0	2.2	33.9	9.7	36.2	35.3	39.3
Korea, Republic of.....	62.1	0.0	0.0	35.7	0.8	3.9	0.8	5.8	14.7	(*)	4.3	7.0	1.7	3.6	3.4	10.7
Malaysia.....	123.2	1.7	0.0	107.7	0.9	3.0	0.1	1.2	84.3	1.5	1.4	5.1	0.5	2.9	2.4	2.9
New Zealand.....	38.8	0.2	0.7	16.0	G	0.9	0.5	0.4	0.1	(*)	0.1	4.2	2.8	0.9	2.9	11.1
Philippines.....	78.2	(*)	F	57.8	9.0	4.5	0.3	0.6	30.6	2.9	H	5.6	5.5	H	2.3	3.3
Singapore.....	115.9	0.7	0.0	70.8	0.2	3.3	0.4	2.6	52.0	2.2						

Table 15.2. Employment of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 2001
 (Thousands of employees)

	All industries	Mining	Utilities	Manufacturing								Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries
				Total	Of which:											
					Food	Chemicals	Primary and fabricated metals	Machinery	Computers and electronic products	Electrical equipment, appliances, and components	Transportation equipment					
All countries	8,193.4	147.9	77.9	4,308.8	376.9	567.3	235.0	339.6	719.6	223.4	893.0	783.1	339.2	320.2	409.4	1,806.9
Canada	1,044.2	J	G	443.9	39.6	37.4	27.4	20.3	45.7	14.9	123.6	81.5	33.0	34.6	28.9	402.8
Europe	3,749.4	24.0	38.6	1,867.9	128.5	287.3	140.5	177.3	208.6	92.9	426.3	438.1	185.1	127.8	238.1	831.8
Austria.....	35.6	(*)	0.0	21.1	2.2	2.2	2.0	2.1	F	6.7	7.4	1.8	0.1	2.7	2.6	
Belgium.....	113.5	0.1	0.0	58.2	6.6	18.8	2.6	6.2	0.4	2.6	5.7	21.8	3.3	3.1	8.8	18.2
Czech Republic.....	50.1	0.0	G	40.5	1.0	3.4	2.1	1.8	10.3	0.3	15.7	2.5	0.9	0.4	2.4	G
Denmark.....	38.7	0.4	0.0	18.5	2.0	0.9	0.7	6.4	3.1	A	0.4	8.4	G	0.2	5.1	H
Finland.....	19.0	0.0	0.0	8.2	0.1	0.9	0.2	1.0	3.7	A	0.1	0.6	0.4	0.1	1.8	3.4
France.....	540.5	0.1	0.0	244.5	13.0	49.4	17.4	24.6	27.7	13.1	39.4	64.0	11.5	10.0	22.3	188.2
Germany.....	601.0	0.7	0.1	383.1	11.2	39.8	26.0	38.4	42.0	21.6	131.5	76.8	16.7	12.5	30.2	80.9
Greece.....	11.8	0.0	0.0	6.4	2.2	1.6	0.7	0.0	0.2	0.0	0.0	3.2	(*)	0.4	1.0	0.7
Hungary.....	51.4	0.0	G	40.5	4.1	2.2	H	0.7	4.5	12.2	9.4	4.3	1.7	0.2	1.1	G
Ireland.....	86.8	(*)	0.0	61.3	1.8	10.3	2.4	0.5	24.8	2.1	1.7	5.6	5.1	2.1	5.2	7.6
Italy.....	211.3	0.1	0.1	137.1	4.2	28.2	10.4	14.1	22.1	10.0	24.9	25.5	8.0	3.8	9.5	27.1
Luxembourg.....	8.7	0.0	0.0	6.5	0.0	0.7	0.3	0.0	0.0	0.1	0.0	0.9	(*)	0.3	0.7	0.2
Netherlands.....	175.8	3.7	F	84.6	9.6	26.7	5.6	9.5	7.4	1.8	9.6	37.0	10.3	2.3	10.0	K
Norway.....	29.2	4.4	(*)	9.0	G	0.7	0.1	2.7	0.5	0.1	G	4.6	0.9	0.4	1.3	8.5
Poland.....	68.5	0.0	0.6	49.7	11.5	3.6	1.7	1.3	0.2	0.2	15.9	3.3	3.3	1.8	2.2	7.5
Portugal.....	39.7	0.0	0.0	25.4	3.7	1.9	0.4	0.9	2.5	0.3	13.0	6.2	H	0.5	1.4	G
Russia.....	30.1	1.0	0.0	18.3	2.2	6.9	0.0	0.6	0.1	0.6	1.2	3.0	0.7	0.8	1.4	4.9
Spain.....	184.3	0.1	A	113.7	11.8	17.5	9.4	5.9	5.6	6.6	34.9	21.0	I	5.3	8.0	29.4
Sweden.....	90.1	0.0	0.0	44.5	1.8	6.1	1.7	4.5	3.7	2.5	16.1	13.8	4.2	1.3	3.5	22.9
Switzerland.....	58.3	0.4	0.0	19.0	G	3.1	0.6	2.1	3.0	2.7	0.8	19.6	4.3	1.1	4.2	9.7
Turkey.....	29.8	0.1	(*)	13.3	1.0	4.0	0.1	(*)	0.0	0.2	3.8	7.6	(*)	0.2	1.5	7.1
United Kingdom.....	1,204.8	8.3	21.5	419.8	29.9	56.9	32.5	53.3	44.0	11.9	90.4	91.6	99.0	80.5	111.9	372.1
Other.....	70.4	4.6	9.3	44.7	5.6	1.6	J	0.7	0.8	2.6	H	4.9	1.0	0.4	1.8	3.5
Latin America and Other Western Hemisphere	1,585.7	48.7	26.6	1,025.4	124.0	121.0	37.2	65.2	122.2	50.3	269.0	74.3	65.7	43.8	24.5	276.7
South America.....	660.5	42.7	21.0	361.0	60.3	72.5	16.0	39.4	14.2	8.8	75.9	43.3	41.0	26.8	15.3	109.6
Argentina.....	97.0	8.2	5.4	40.0	7.7	11.6	1.2	1.2	0.2	0.2	8.2	6.5	5.8	9.8	3.1	18.2
Brazil.....	348.0	2.8	8.0	251.5	36.0	42.4	12.2	35.9	14.0	7.5	58.6	17.2	22.0	7.2	4.4	35.0
Chile.....	53.8	4.1	1.7	11.7	2.0	4.2	0.6	0.5	0.0	0.4	0.6	3.9	3.8	5.4	1.6	21.5
Colombia.....	57.3	7.3	(*)	16.1	3.0	5.1	0.5	0.0	0.0	0.4	1.3	6.9	2.6	2.5	1.4	20.4
Ecuador.....	12.2	1.3	0.1	7.3	4.5	0.8	(*)	0.0	0.0	0.0	0.4	1.2	0.7	0.1	0.4	1.0
Peru.....	19.8	11.7	0.2	2.4	0.9	0.9	0.1	0.0	0.0	0.0	0.0	2.3	1.8	0.1	0.4	0.9
Venezuela.....	62.0	5.6	5.2	27.9	5.3	7.1	0.9	1.6	(*)	0.2	6.7	3.8	2.9	1.4	3.3	12.0
Other.....	10.4	1.7	0.3	4.0	0.9	0.5	0.5	0.2	0.0	0.0	0.1	1.4	1.3	0.3	0.6	0.6
Central America.....	873.8	1.2	G	646.2	62.4	46.5	20.1	25.6	107.9	41.6	193.1	26.8	J	11.0	8.9	M
Costa Rica.....	24.5	(*)	0.0	14.5	2.5	0.9	0.5	(*)	H	2.8	0.0	0.8	F	0.1	0.6	I
Honduras.....	15.1	0.0	(*)	7.2	1.7	0.2	0.0	0.0	0.0	0.1	F	0.5	(*)	0.4	0.0	7.1
Mexico.....	801.8	1.2	0.8	609.4	55.2	42.6	19.5	25.6	102.5	38.7	190.6	22.5	19.7	10.0	8.1	130.1
Panama.....	11.8	(*)	0.3	3.6	0.3	0.5	0.0	0.0	0.0	0.0	G	1.1	(*)	0.3	(*)	6.5
Other.....	20.5	(*)	G	11.4	2.8	2.3	0.1	0.0	G	0.0	0.0	2.0	G	0.3	0.2	H
Other Western Hemisphere.....	51.4	4.7	H	18.2	1.3	2.0	1.1	0.2	0.1	0.0	0.0	4.2	H	5.9	0.4	J
Barbados.....	1.2	0.0	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.3	(*)	0.1	0.1
Bermuda.....	10.9	0.0	0.0	0.2	0.0	(*)	0.0	0.2	0.0	0.0	0.0	0.5	(*)	3.2	A	I
Dominican Republic.....	16.5	0.0	G	11.0	0.8	0.7	0.2	0.0	0.0	0.0	0.0	1.0	H	0.0	(*)	0.1
United Kingdom Islands, Caribbean.....	5.7	1.7	0.0	2.2	0.1	0.0	0.4	(*)	0.1	0.0	0.0	0.4	0.0	0.5	0.1	0.7
Other.....	17.1	3.0	G	4.3	0.2	1.1	0.5	(*)	(*)	0.0	0.0	2.0	0.1	2.2	A	H
Africa	139.1	16.4	H	74.5	12.8	11.0	3.0	6.2	H	G	10.8	16.7	2.1	1.3	5.8	J
Egypt.....	20.9	1.0	0.0	15.3	G	3.1	A	3.2	0.0	0.0	0.0	1.7	0.1	0.1	A	H
Nigeria.....	8.7	5.8	0.1	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	1.2
South Africa.....	54.7	(*)	0.0	32.0	2.5	5.0	1.2	2.9	0.2	G	8.1	9.9	1.9	0.5	5.4	5.0
Other.....	54.8	9.6	H	26.2	I	2.0	G	0.1	H	(*)	2.6	4.8	0.1	0.7	A	I
Middle East	60.2	I	0.0	24.7	2.2	1.3	0.6	2.6	J	A	0.1	4.5	3.0	1.1	6.1	J
Israel.....	39.8	0.0	0.0	21.5	2.0	0.8	0.2	1.9	J	A	0.1	2.5	G	0.3	4.9	I
Saudi Arabia.....	6.8	1.4	0.0	1.3	0.0	0.2	0.4	0.6	(*)	0.0	(*)	0.2	G	0.1	0.6	G
United Arab Emirates.....	6.1	2.1	0.0	0.3	0.0	0.1	0.0	0.2	0.0	0.0	0.0	1.6	0.1	0.3	0.5	1.1
Other.....	7.5	H	0.0	1.7	0.2	0.2	(*)	(*)	0.0	0.0	0.0	0.2	A	0.3	0.2	G
Asia and Pacific	1,614.8	33.7	9.4	872.4	69.8	109.5	26.2	68.0	323.6	63.2	63.3	167.9	50.3	111.7	105.8	263.5
Australia.....	265.3	2.4	2.3	102.0	23.4	14.7	10.2	7.4	4.6	1.4	19.7	25.7	15.6	11.1	28.4	77.8
China.....	272.9	1.6	G	206.0	8.9	26.1	7.8	20.8	73.7	41.5	9.8	11.4	3.1	1.1	3.9	K
Hong Kong.....	89.8	0.0	2.7	33.8	0.1	1.6	0.9	2.0	9.4	6.4	0.7	18.0	3.1	9.9	7.8	14.6
India.....	76.8	0.6	0.1	48.7	2.2	9.2	G	15.8	3.4	2.7	5.9	14.4	2.5	1.5	7.2	1.7
Indonesia.....	64.6	23.0	0.2	29.1	H	5.3	A	1.3	0.2	2.9	2.0	1.3	(*)	5.0	1.2	4.7
Japan.....	235.1	(*)	0.0	72.3	1.2	23.7	1.6	5.3	21.7	0.9	3.9	37.8	10.8	43.0	35.3	35.8
Korea, Republic of.....	64.0	0.0	0.0	33.1	1.1	4.1	0.7	5.5	12.1	0.5	4.5	7.6	1.9	4.1	3.7	13.7
Malaysia.....	118.7	G	0.0	103.5	0.9	3.0	0.1	1.1	80.5	1.2	2.3	5.2	0.5	2.5	2.5	H
New Zealand.....	40.0	0.2	0.7	16.3	G	0.9	0.4	0.4	0.1	(*)	0.1	3.9	3.0	0.8	2.9	12.1
Philippines.....	72.1	(*)	1.0	49.9	9.5	3.8	(*)	0.5	23.1	3.0	H	6.2	5.7	2.8	2.6	3.9
Singapore.....	112.9	0.8	0.0	67.1	0.2	4.5	0.3	2.7	46.3	1.9	4.3	15.0	2.5	4.1	6.2	17.3
Taiwan.....	86.6	0.0	0.0	29.9	1.7	4.2	0.9	2.2	12.4	0.6	H	11.3				

Table 16.1. Gross Product of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 2000

(Millions of dollars)

	All industries	Mining	Utilities	Manufacturing								Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries
				Total	Of which:											
					Food	Chemicals	Primary and fabricated metals	Machinery	Computers and electronic products	Electrical equipment, appliances, and components	Transportation equipment					
All countries	606,626	57,622	11,046	315,697	19,231	57,745	12,316	17,763	42,940	7,566	50,083	99,554	20,635	19,655	33,043	49,374
Canada	73,483	6,106	501	45,961	2,497	4,598	2,092	1,329	3,245	895	14,230	5,670	1,268	1,501	1,953	10,521
Europe	328,862	20,214	5,616	10,696	175,520	36,083	6,703	11,269	17,943	4,606	24,838	61,591	12,293	7,277	19,204	27,148
Austria.....	3,390	1	0	1,749	224	165	27	123	235	25	669	1,041	114	-19	220	284
Belgium.....	13,474	5	0	8,248	553	2,872	153	447	27	250	495	2,634	446	81	1,021	1,039
Czech Republic.....	1,301	(*)	(D)	937	17	91	33	28	89	7	194	204	10	22	53	(D)
Denmark.....	3,189	773	0	983	(D)	75	41	268	138	(D)	17	937	(D)	20	312	(D)
Finland.....	1,975	0	0	755	6	121	113	37	301	2	41	1,038	24	9	121	26
France.....	35,955	10	0	20,602	1,008	5,193	713	1,430	2,603	723	1,587	6,315	575	787	1,829	5,836
Germany.....	60,330	906	8	33,895	1,692	4,380	1,472	2,810	3,757	1,628	8,239	15,575	1,270	850	2,882	4,943
Greece.....	881	(*)	0	373	92	165	42	0	7	0	0	406	1	41	32	29
Hungary.....	1,258	(*)	(D)	813	35	54	(D)	9	-275	(D)	307	222	19	3	59	(D)
Ireland.....	16,420	5	(*)	13,462	181	7,890	82	87	2,910	138	69	1,553	1,645	496	76	-816
Italy.....	20,840	-17	(*)	15,894	605	2,508	636	965	1,721	230	1,188	2,876	469	39	690	889
Luxembourg.....	436	0	0	-232	0	-557	20	(*)	0	2	0	463	1	412	52	-260
Netherlands.....	20,501	664	(D)	10,680	1,035	3,076	278	618	1,196	116	1,036	6,126	563	388	770	(D)
Norway.....	9,242	6,184	(*)	1,612	(D)	86	4	217	58	3	1	658	23	20	141	605
Poland.....	2,018	-2	15	1,746	253	155	45	14	4	1	220	184	-202	40	73	163
Portugal.....	3,285	(*)	(*)	1,989	144	112	7	32	129	13	218	820	(D)	-21	99	(D)
Russia.....	401	150	0	239	87	80	0	7	6	4	14	64	89	73	23	-237
Spain.....	10,461	22	28	6,945	591	1,650	747	432	426	295	1,595	1,842	336	-28	489	826
Sweden.....	6,895	0	0	3,328	(D)	396	80	273	222	(D)	1,768	1,898	403	-49	335	780
Switzerland.....	1,122	23	0	3,471	(D)	646	37	179	695	151	67	1,064	381	-4,854	294	743
Turkey.....	1,873	2	16	1,380	47	295	27	(*)	-2	7	96	341	8	13	31	82
United Kingdom.....	110,877	9,509	(D)	46,089	3,446	6,589	1,979	3,280	3,697	604	6,967	15,086	(D)	8,934	9,559	10,816
Other.....	2,939	1,980	(D)	560	60	31	(D)	13	1	(D)	40	246	20	18	43	(D)
Latin America and Other Western Hemisphere	68,238	6,594	2,039	36,744	3,738	7,790	1,315	2,489	1,240	972	8,129	9,166	3,721	4,465	1,717	3,791
South America.....	36,939	5,098	1,701	19,709	2,236	4,315	846	1,907	402	352	3,052	3,957	2,884	1,056	1,109	1,425
Argentina.....	7,733	1,506	501	4,066	495	765	81	56	15	-27	281	544	410	146	184	375
Brazil.....	18,783	202	935	12,830	1,122	2,569	727	1,820	386	353	2,566	1,798	1,571	590	403	454
Chile.....	2,172	424	(D)	535	56	185	42	5	(*)	7	(D)	493	87	310	54	(D)
Colombia.....	2,569	977	1	777	177	285	5	0	(*)	6	48	555	12	-5	66	186
Ecuador.....	367	228	22	88	19	10	-1	0	0	0	26	-11	40	-4	3	(*)
Peru.....	1,214	842	37	94	16	45	1	0	0	(*)	-1	156	27	12	16	30
Venezuela.....	3,327	685	(D)	1,083	213	439	-8	21	(*)	12	110	205	688	4	374	(D)
Other.....	774	234	30	235	138	18	(*)	6	0	0	(D)	217	48	4	8	-3
Central America.....	21,954	233	270	16,098	1,437	3,304	414	555	830	617	5,080	1,393	(D)	884	381	(D)
Costa Rica.....	539	(*)	0	402	56	36	15	(*)	(D)	43	0	20	(D)	-6	11	(D)
Honduras.....	355	0	(*)	221	43	5	0	0	0	2	(D)	49	(*)	6	0	79
Mexico.....	19,799	185	86	15,078	1,289	3,182	401	554	659	572	5,050	962	319	854	363	1,952
Panama.....	386	18	44	32	4	19	0	0	0	0	(D)	110	(D)	30	2	150
Other.....	875	31	139	365	46	62	-3	0	(D)	0	0	251	(*)	1	5	(D)
Other Western Hemisphere.....	9,345	1,264	68	937	65	170	55	27	7	4	-4	3,817	(D)	2,524	227	(D)
Barbados.....	2,162	47	0	34	7	3	0	8	2	4	-4	1,856	7	168	65	-16
Bermuda.....	4,306	-4	(*)	19	(*)	(*)	0	19	(*)	0	0	1,607	-26	1,578	25	1,108
Dominican Republic.....	892	0	32	333	29	43	3	0	0	0	0	83	(D)	(*)	2	(D)
United Kingdom Islands, Caribbean.....	-417	271	-10	144	11	0	-5	1	5	0	0	-82	27	154	128	-1,048
Other.....	2,402	950	47	406	18	124	57	(*)	(*)	0	373	-1	624	7	4	-4
Africa	13,785	9,499	-1	1,760	100	609	127	169	(D)	93	175	1,599	-159	91	236	760
Egypt.....	1,162	864	0	132	15	85	9	93	0	-1	-3	(D)	2	5	2	(D)
Nigeria.....	4,882	0	0	26	0	-1	0	0	0	0	0	39	0	(*)	7	18
South Africa.....	2,311	-11	0	1,091	(D)	437	(D)	75	9	92	166	980	-137	60	219	109
Other.....	5,430	3,854	-1	512	(D)	89	(D)	2	(D)	2	12	(D)	-24	25	8	(D)
Middle East	7,564	3,923	0	2,025	114	89	14	104	(D)	-3	-3	651	319	122	358	167
Israel.....	2,808	(*)	0	1,902	(D)	38	2	78	(D)	-3	-3	344	(D)	2	268	(D)
Saudi Arabia.....	462	108	0	(D)	0	23	10	18	1	0	0	63	(D)	9	56	(D)
United Arab Emirates.....	987	592	0	45	0	28	0	0	0	0	(*)	220	49	52	20	9
Other.....	3,306	3,223	0	(D)	(D)	(*)	1	8	0	0	0	23	4	58	13	(D)
Asia and Pacific	114,695	11,287	2,891	53,687	2,086	8,577	2,065	2,403	18,861	1,003	2,714	20,876	3,192	6,199	9,575	6,988
Australia.....	20,506	2,288	922	8,246	1,326	1,094	1,534	330	255	41	1,495	3,838	711	760	1,645	2,096
China.....	5,495	435	83	4,381	145	872	142	211	2,015	389	135	252	65	(D)	114	(D)
Hong Kong.....	8,600	(*)	(D)	1,426	2	128	(D)	155	729	160	23	3,201	306	1,359	696	(D)
India.....	1,615	132	191	886	35	235	(D)	180	57	13	86	347	-12	-62	119	15
Indonesia.....	6,042	5,438	125	285	3	146	7	-2	-7	16	5	37	(*)	39	73	45
Japan.....	36,359	3	0	17,830	75	3,821	157	668	2,925	118	213	8,084	1,453	1,751	5,491	1,747
Korea, Republic of.....	4,445	(*)	0	2,505	97	401	25	344	737	-1	330	827	167	313	438	195
Malaysia.....	5,205	1,329	-1	3,098	16	249	2	27	2,365	32	9	318	17	123	165	157
New Zealand.....	1,591	61	135	530	(D)	66	20	14	-4	2	4	465	82	63	117	139
Philippines.....	2,600	-61	(D)	1,676	127	311	3	57	887	70	(D)	174	27	(D)	74	238
Singapore.....	13,116	51	0	9,030	18	446	28	191	7,460	139	270	2,194	322	516	334	669
Taiwan.....	3,935	(*)	0	1,757	78	549	41	171	621	19	(D)	839	54	878	113	294
Thailand.....	3,867	1,055	1	1,916	70	214	30	57	818	5	-23	174	2	198	189	332
Other.....	1,317	556	132	121	(D)	45	(*)	1	1	0	8	125	(*)	(D)	9	(D)
Addenda: </																

Table 16.2. Gross Product of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 2001
[Millions of dollars]

	All industries	Mining	Utilities	Manufacturing							Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries	
				Total	Of which:											
					Food	Chemicals	Primary and fabricated metals	Machinery	Computers and electronic products	Electrical equipment, appliances, and components						Transportation equipment
All countries.....	583,444	55,188	11,203	300,819	18,668	57,617	11,908	16,725	36,038	6,945	44,606	92,713	19,388	23,511	30,926	49,695
Canada.....	71,527	(D)	(D)	41,611	2,368	4,631	1,942	1,326	2,893	718	12,331	5,727	1,277	2,617	1,389	10,828
Europe.....	317,983	19,403	4,726	168,797	9,969	36,018	6,767	10,593	15,473	4,572	22,460	54,731	11,963	11,784	18,860	27,719
Austria.....	3,376	1	0	1,682	313	176	25	129	211	(D)	602	1,003	126	-9	267	306
Belgium.....	12,739	5	0	7,644	509	2,740	118	368	27	195	376	3,305	106	16	765	897
Czech Republic.....	1,587	(*)	(D)	1,163	19	116	32	29	93	7	347	234	25	26	29	(D)
Denmark.....	3,326	1,145	0	1,127	154	95	35	282	248	(D)	16	736	(D)	6	355	(D)
Finland.....	1,856	0	0	657	6	137	70	56	224	7	36	927	25	8	131	109
France.....	34,367	-3	0	19,361	1,075	5,217	844	1,324	1,839	687	1,562	6,034	658	565	1,733	6,020
Germany.....	57,710	960	-38	32,551	1,398	4,232	1,580	2,659	3,407	1,652	7,539	14,983	1,533	849	2,547	4,324
Greece.....	757	(*)	0	348	81	142	41	0	15	0	325	1	25	36	22	(D)
Hungary.....	1,344	(*)	(D)	769	106	60	(D)	9	-375	243	308	305	47	6	100	(D)
Ireland.....	16,529	-2	(*)	14,192	249	7,519	70	29	3,408	140	1,659	1,374	308	99	-1,101	(D)
Italy.....	20,666	-25	10	15,497	414	2,920	566	947	1,743	328	993	2,947	524	82	668	964
Luxembourg.....	1,801	0	0	560	0	158	21	(*)	0	2	0	774	1	446	53	-33
Netherlands.....	20,362	965	(D)	10,364	971	3,018	276	703	677	97	1,011	4,954	612	700	970	(D)
Norway.....	8,583	5,677	(*)	1,727	(D)	76	4	229	55	3	(D)	500	73	17	97	492
Poland.....	2,438	(*)	(*)	2,086	288	168	44	22	4	3	305	227	-201	42	46	223
Portugal.....	3,178	(*)	(*)	1,921	157	142	7	32	91	12	217	877	(D)	-20	89	(D)
Russia.....	1,110	134	0	629	109	71	0	10	6	3	27	151	35	107	26	29
Spain.....	10,619	23	(D)	6,566	563	1,812	726	368	339	260	1,133	1,936	(D)	305	552	916
Sweden.....	5,746	0	0	2,754	116	356	69	256	203	23	1,356	1,527	488	-117	294	801
Switzerland.....	2,149	31	0	3,205	(D)	622	46	206	469	157	74	-2,859	108	-52	775	942
Turkey.....	1,465	2	40	1,097	43	195	14	(*)	-2	6	120	168	2	14	97	46
United Kingdom.....	103,143	8,724	4,323	41,948	2,917	6,013	1,764	2,926	2,788	594	6,242	13,644	5,599	8,442	9,085	11,377
Other.....	3,151	1,767	6	950	75	31	(D)	8	1	83	(D)	374	14	18	46	-23
Latin America and Other Western Hemisphere	64,315	6,574	2,686	34,783	3,927	7,520	1,209	2,098	1,609	869	6,846	8,381	2,692	4,188	1,575	3,435
South America.....	32,857	4,701	2,240	17,778	2,002	4,018	764	1,438	404	250	2,756	3,571	1,700	994	1,062	810
Argentina.....	7,034	1,652	375	3,696	344	823	83	69	10	-23	-36	435	435	277	167	-3
Brazil.....	14,547	47	1,013	10,786	1,176	2,101	593	1,230	393	246	2,446	1,348	321	410	422	201
Chile.....	2,136	326	203	593	44	231	40	10	(*)	8	32	463	104	252	59	136
Colombia.....	2,256	631	1	680	134	252	5	0	(*)	6	49	690	7	19	59	169
Ecuador.....	314	145	13	76	4	13	-1	0	0	0	27	32	42	-7	3	10
Peru.....	1,108	654	59	96	19	39	1	0	0	(*)	-1	170	58	23	17	33
Venezuela.....	4,797	1,022	567	1,635	236	539	37	123	(*)	13	242	257	693	22	327	275
Other.....	664	224	10	216	44	19	6	6	0	0	-2	177	40	(*)	8	-10
Central America.....	22,164	222	(D)	16,159	1,862	3,315	427	627	1,077	615	4,094	1,608	(D)	785	390	(D)
Costa Rica.....	583	(*)	0	437	57	38	15	(*)	(D)	32	0	23	(D)	-7	13	(D)
Honduras.....	397	0	(*)	141	37	5	0	0	0	2	(D)	187	(*)	6	0	64
Mexico.....	19,891	192	35	14,993	1,707	3,187	415	626	944	581	4,067	1,015	388	758	367	2,143
Panama.....	340	30	34	44	4	19	0	0	0	0	(D)	93	(*)	28	6	107
Other.....	953	1	(D)	543	56	66	-3	0	(D)	0	0	291	(D)	(*)	3	(D)
Other Western Hemisphere.....	9,294	1,651	(D)	846	64	187	18	33	127	4	-4	3,202	(D)	2,410	124	(D)
Barbados.....	1,296	-1	0	35	7	3	0	8	2	4	-4	1,051	5	90	85	30
Bermuda.....	4,088	-8	(*)	25	(*)	(*)	0	25	(*)	0	0	1,506	14	1,289	(D)	(D)
Dominican Republic.....	962	0	(D)	300	30	45	3	0	0	0	0	68	(D)	(*)	1	1
United Kingdom Islands, Caribbean.....	694	423	-8	260	9	0	-5	1	125	0	0	95	12	375	47	-509
Other.....	2,253	1,236	(D)	226	18	139	19	(*)	(*)	0	0	481	10	656	(D)	(D)
Africa	12,271	8,402	(D)	1,530	148	383	99	162	(D)	(D)	216	1,623	-234	140	201	(D)
Egypt.....	1,408	1,011	0	225	(D)	59	(D)	91	0	-1	-4	64	3	3	(D)	(D)
Nigeria.....	4,215	4,087	10	35	0	-1	0	0	0	0	0	20	0	(*)	7	55
South Africa.....	1,882	-14	0	730	30	236	39	68	9	(D)	201	1,025	-210	73	186	91
Other.....	4,766	3,317	(D)	539	(D)	89	(D)	2	(D)	2	18	513	-26	64	(D)	(D)
Middle East	7,354	(D)	0	2,708	104	91	14	113	(D)	(D)	-2	842	163	127	432	(D)
Israel.....	3,102	(*)	0	2,567	96	35	2	76	(D)	(D)	-2	220	(D)	5	370	(D)
Saudi Arabia.....	281	111	0	52	0	23	10	18	1	0	(*)	19	(D)	12	34	(D)
United Arab Emirates.....	1,413	673	0	56	0	28	0	11	0	0	(*)	580	22	54	21	7
Other.....	2,557	(D)	0	33	7	4	1	8	0	0	0	24	(D)	56	7	(D)
Asia and Pacific	109,995	10,085	3,130	51,391	2,151	8,975	1,878	2,434	13,886	827	2,755	21,409	3,526	4,655	8,469	7,330
Australia.....	18,427	2,066	843	7,734	1,182	1,157	1,382	385	212	121	1,245	3,000	450	720	1,683	1,932
China.....	5,951	259	(D)	4,616	186	1,092	148	245	2,096	190	141	492	187	16	152	(D)
Hong Kong.....	7,749	(*)	1,056	1,309	2	75	33	116	761	114	22	3,385	313	871	316	500
India.....	2,099	132	195	1,039	19	357	(D)	169	57	11	54	517	73	-48	178	12
Indonesia.....	5,631	4,818	199	457	(D)	140	(D)	2	-2	13	5	30	(*)	56	42	28
Japan.....	37,376	7	0	19,904	169	3,717	155	643	2,508	123	454	8,656	1,546	656	4,692	1,915
Korea, Republic of.....	4,131	(*)	0	1,997	69	401	23	339	270	38	331	915	188	370	439	223
Malaysia.....	5,056	(D)	-1	2,925	18	206	2	22	2,207	27	21	408	18	136	170	(D)
New Zealand.....	1,853	51	295	683	(D)	67	14	13	-3	2	3	414	88	51	118	153
Philippines.....	2,308	1	278	1,164	144	494	1	29	478	53	(D)	274	36	186	75	294
Singapore.....	10,181	71	0	5,972	16	545	18	215	4,299	106	260	2,098	547	514	328	651
Taiwan.....	3,606	(*)	0	1,458	87	458	34	170	395	25	(D)	754	79	911	87	318
Thailand.....	3,977	957	3	1,983	120	49	85	608	5	41	340	2	191	180	321	21
Other.....	1,650	(D)	(D)	149	41	52	(*)	1	1	0	19	124	(*)	25	9	641
Addenda:																
Eastern Europe ¹	9,294	1,898														

State Personal Income

Second Quarter 2003

By G. Andrew Bernat, Jr.

PERSONAL income for the Nation, which is measured only in current dollars, grew 0.8 percent in the second quarter of 2003, the same as in first quarter and up slightly from the 0.6-percent increase of the fourth quarter of 2002 (table A). Led by above-average growth in natural resources and mining, 6 of the 10 fastest growing states were in the Plains and Rocky Mountain regions (chart 1).

This article presents preliminary estimates of state personal income for the second quarter of 2003 and re-

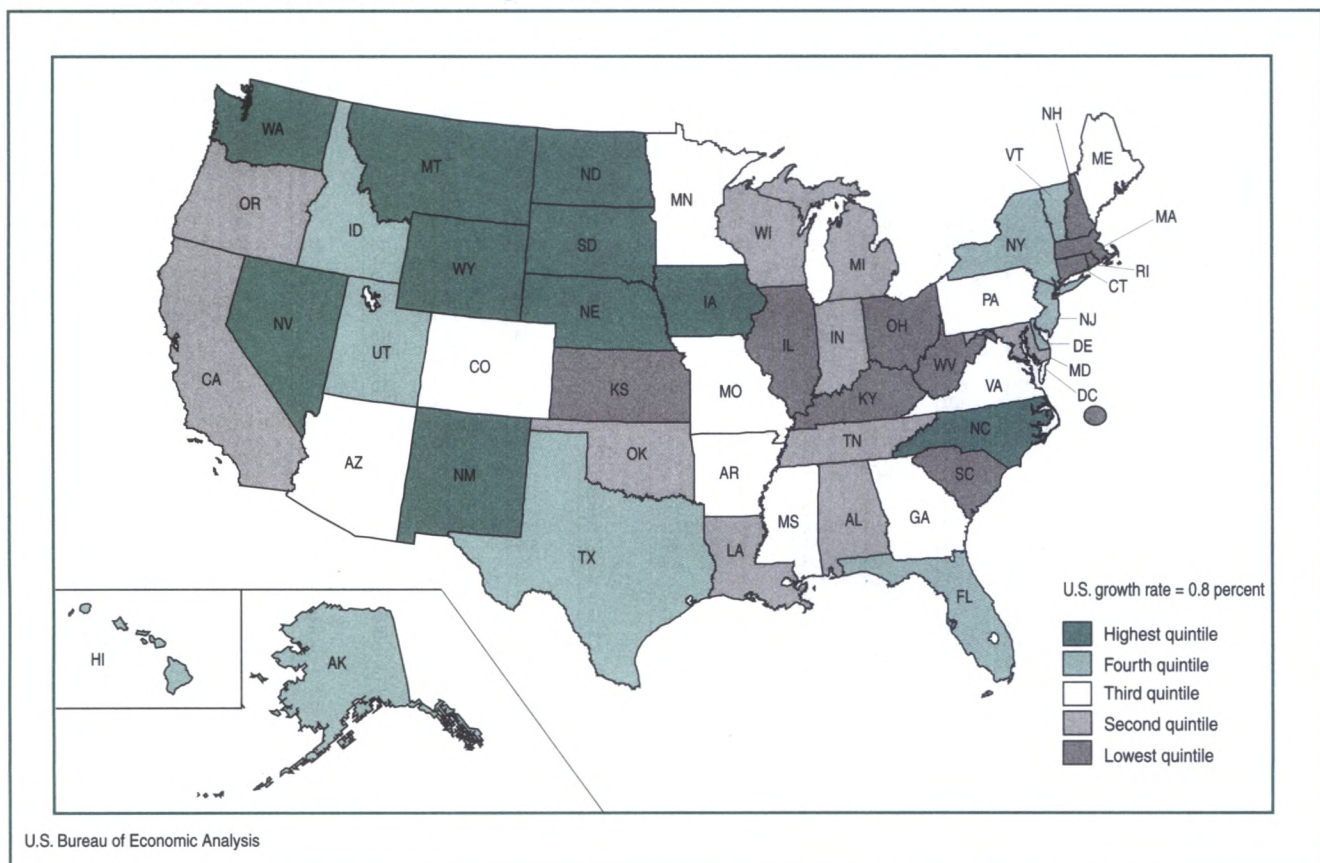
vised estimates for the first quarter of 2003. Additional estimates are provided in two tables at the end of the article.

Personal income growth by component

Nationally, net earnings grew 0.8 percent in the second quarter of 2003, the same as in the first quarter of 2003 and slightly faster than the 0.7-percent growth of the fourth quarter of 2002 (table B). Net earnings increased in all states except Rhode Island, as net earnings in 21 states and the District of Columbia grew faster than in the first quarter, when net earnings in 28 states grew faster than in the fourth quarter of 2002.

The quarterly estimates of state personal income are prepared by the Regional Economic Measurement Division.

Chart 1. Personal Income: Percent Change 2003:I-2003:II



Transfer payments grew slightly faster in the second quarter of 2003 than in the previous quarter. Twenty-five states experienced faster growth in transfer payments in the second quarter of 2003, compared with 27 states in the first quarter of 2003. Nationally,

unemployment benefit payments, the most volatile component of transfer payments, increased 6.5 percent after declining 3.4 percent in the first quarter. Unemployment benefit payments grew in 41 states; North Carolina, Idaho, and Indiana registered gains of more

Table A. Personal Income, by State and Region, 2002:II-2003:II

[Millions of dollars, seasonally adjusted at annual rates]

	2002			2003		Percent change from preceding quarter ¹				Rank
	II	III	IV	I ^a	II ^a	2002:III	2002:IV	2003:I	2003:II	2003:I-2003:II
United States	8,881,691	8,927,635	8,982,839	9,053,499	9,129,313	0.5	0.6	0.8	0.8	.....
New England										
Connecticut	148,249	148,840	148,486	150,562	151,432	0.4	-0.2	1.4	0.6	42
Maine	35,858	36,141	36,483	37,040	37,358	0.8	0.9	1.5	0.9	27
Massachusetts	252,257	251,714	252,127	252,613	253,436	-0.2	0.2	0.2	0.3	48
New Hampshire	43,865	43,847	44,047	44,381	44,519	0.0	0.5	0.8	0.3	49
Rhode Island	33,202	33,467	33,659	34,391	34,239	0.8	0.6	2.2	-0.4	50
Vermont	18,093	18,238	18,439	18,547	18,734	0.8	1.1	0.6	1.0	16
Mideast										
Delaware	26,090	26,175	26,143	26,870	27,146	0.3	-0.1	2.8	1.0	15
District of Columbia	24,677	24,768	25,393	25,012	25,271	0.4	2.5	-1.5	1.0	.....
Maryland	196,862	198,005	199,454	200,370	201,941	0.6	0.7	0.5	0.8	33
New Jersey	338,845	341,099	342,035	345,441	348,914	0.7	0.3	1.0	1.0	18
New York	686,279	685,909	687,503	687,045	694,226	-0.1	0.2	-0.1	1.0	14
Pennsylvania	389,692	392,285	394,198	399,180	402,747	0.7	0.5	1.3	0.9	26
Great Lakes										
Illinois	420,863	420,922	422,491	423,805	425,211	0.0	0.4	0.3	0.3	47
Indiana	173,169	174,777	176,538	177,028	178,136	0.9	1.0	0.3	0.6	38
Michigan	304,930	306,682	307,437	307,471	309,740	0.6	0.2	0.0	0.7	35
Ohio	334,343	336,601	338,255	340,755	342,762	0.7	0.5	0.7	0.6	41
Wisconsin	162,839	163,937	165,182	166,691	168,066	0.7	0.8	0.9	0.8	31
Plains										
Iowa	82,375	82,803	83,577	84,767	85,778	0.5	0.9	1.4	1.2	8
Kansas	77,967	78,418	79,028	80,167	80,589	0.6	0.8	1.4	0.5	45
Minnesota	169,755	171,656	171,969	172,584	174,027	1.1	0.2	0.4	0.8	29
Missouri	162,979	164,041	165,471	166,696	168,254	0.7	0.9	0.7	0.9	23
Nebraska	50,774	51,397	51,767	53,312	54,011	1.2	0.7	3.0	1.3	4
North Dakota	16,608	16,931	17,059	17,783	18,016	1.9	0.8	4.2	1.3	5
South Dakota	20,095	20,466	20,660	21,632	21,959	1.8	0.9	4.7	1.5	3
Southeast										
Alabama	112,093	113,036	114,183	116,050	116,736	0.8	1.0	1.6	0.6	40
Arkansas	63,291	63,686	64,464	65,067	65,674	0.6	1.2	0.9	0.9	24
Florida	493,048	495,859	501,588	505,471	511,032	0.6	1.2	0.8	1.1	12
Georgia	245,628	246,123	248,050	253,428	255,829	0.2	0.8	2.2	0.9	22
Kentucky	104,583	105,556	106,548	107,340	107,929	0.9	0.9	0.7	0.5	44
Louisiana	113,505	113,982	115,257	116,001	116,821	0.4	1.1	0.6	0.7	37
Mississippi	63,990	64,523	65,077	66,531	67,132	0.8	0.9	2.2	0.9	25
North Carolina	228,855	229,994	230,836	234,567	237,292	0.5	0.4	1.6	1.2	9
South Carolina	104,156	104,718	105,420	107,166	107,759	0.5	0.7	1.7	0.6	43
Tennessee	158,810	159,256	160,411	162,260	163,441	0.3	0.7	1.2	0.7	36
Virginia	238,366	239,670	240,605	244,050	246,116	0.5	0.4	1.4	0.8	28
West Virginia	42,467	42,689	42,944	43,406	43,608	0.5	0.6	1.1	0.5	46
Southwest										
Arizona	142,215	143,274	144,881	145,953	147,364	0.7	1.1	0.7	1.0	21
New Mexico	44,098	44,438	45,193	45,461	46,056	0.8	1.7	0.6	1.3	6
Oklahoma	87,622	88,168	88,522	89,177	89,907	0.6	0.4	0.7	0.8	32
Texas	618,643	620,373	624,021	626,753	633,709	0.3	0.6	0.4	1.1	11
Rocky Mountain										
Colorado	149,421	149,961	150,665	151,128	152,390	0.4	0.5	0.3	0.8	30
Idaho	33,221	33,695	34,129	34,545	34,922	1.4	1.3	1.2	1.1	13
Montana	22,490	22,862	22,979	23,127	23,499	1.7	0.5	0.6	1.6	2
Utah	55,771	55,952	56,568	56,692	57,241	0.3	1.1	0.2	1.0	20
Wyoming	15,095	15,271	15,469	15,598	15,797	1.2	1.3	0.8	1.3	7
Far West										
Alaska	20,273	20,607	20,898	20,912	21,120	1.6	1.4	0.1	1.0	19
California	1,152,672	1,160,385	1,169,530	1,177,337	1,184,478	0.7	0.8	0.7	0.6	39
Hawaii	37,244	37,570	38,016	38,720	39,111	0.9	1.2	1.9	1.0	17
Nevada	65,121	65,891	66,889	67,979	68,751	1.2	1.5	1.6	1.1	10
Oregon	100,211	100,896	101,974	102,133	102,903	0.7	1.1	0.2	0.8	34
Washington	198,138	200,086	200,319	202,505	206,184	1.0	0.1	1.1	1.8	1
BEA regions										
New England	531,524	532,245	533,241	537,534	539,718	0.1	0.2	0.8	0.4	.....
Mideast	1,662,445	1,666,240	1,674,725	1,683,917	1,700,245	0.3	0.4	0.5	1.0	.....
Great Lakes	1,396,144	1,402,919	1,409,904	1,415,750	1,423,915	0.5	0.5	0.4	0.6	.....
Plains	580,552	585,711	589,532	596,940	602,634	0.9	0.7	1.3	1.0	.....
Southeast	1,968,792	1,979,094	1,995,385	2,021,336	2,039,369	0.5	0.8	1.3	0.9	.....
Southwest	892,577	896,253	902,617	907,344	917,036	0.4	0.7	0.5	1.1	.....
Rocky Mountain	275,997	277,739	279,810	281,091	283,849	0.6	0.7	0.5	1.0	.....
Far West	1,573,659	1,585,435	1,597,627	1,609,586	1,622,547	0.7	0.8	0.7	0.8	.....

¹ Revised.² Preliminary.

1. Percent changes are expressed at quarterly rates.

NOTE: Estimates may not add to totals due to rounding.

than 20 percent. Together, all other transfer payments—which include old-age, survivors, disability, and other benefits—grew 1.6 percent.

Nationally, property income (dividends, interest, and rent) increased 0.1 percent in the second quarter,

compared with declines of 0.1 percent in the first quarter and 0.4 percent in the fourth quarter. A 1.7-percent increase in dividends and a 0.5-percent increase in interest income more than offset a decline in rental income.

Table B. Personal Income by Component, by State and Region, 2003:I–2003:II

	Percent change				Percent change in personal income	Contribution to percent change in personal income (percentage points)			Dollar change (millions)			
	Personal income	Net earnings ¹	Dividends, interest, and rent	Transfer payments		Net earnings ¹	Dividends, interest, and rent	Transfer payments	Personal income	Net earnings ¹	Dividends, interest, and rent	Transfer payments
United States	0.8	0.8	0.1	1.8	0.8	0.54	0.02	0.27	75,815	49,086	1,932	24,797
New England												
Connecticut.....	0.6	0.6	0.2	1.3	0.6	0.39	0.04	0.15	870	581	58	231
Maine.....	0.9	0.7	0.4	1.8	0.9	0.47	0.07	0.32	318	173	26	119
Massachusetts.....	0.3	0.1	0.2	1.4	0.3	0.10	0.03	0.20	823	243	75	505
New Hampshire.....	0.3	0.1	0.1	1.8	0.3	0.08	0.02	0.21	138	38	9	91
Rhode Island.....	-0.4	-1.1	-0.1	1.5	-0.4	-0.72	-0.01	0.29	-152	-246	-4	99
Vermont.....	1.0	1.0	0.4	1.6	1.0	0.66	0.09	0.25	187	123	17	47
Mideast												
Delaware.....	1.0	1.2	-0.1	1.9	1.0	0.78	-0.01	0.26	276	208	-3	70
District of Columbia.....	1.0	1.3	0.1	0.8	1.0	0.91	0.02	0.11	259	228	5	27
Maryland.....	0.8	0.8	-0.1	1.9	0.8	0.59	-0.02	0.21	1,572	1,190	-39	421
New Jersey.....	1.0	1.1	0.3	1.5	1.0	0.76	0.06	0.19	3,473	2,618	194	662
New York.....	1.0	1.2	0.3	1.4	1.0	0.75	0.06	0.24	7,181	5,165	385	1,630
Pennsylvania.....	0.9	0.8	0.2	1.8	0.9	0.54	0.04	0.31	3,567	2,168	150	1,250
Great Lakes												
Illinois.....	0.3	0.1	0.3	1.6	0.3	0.06	0.07	0.20	1,406	267	287	852
Indiana.....	0.6	0.3	0.4	2.4	0.6	0.18	0.08	0.37	1,108	316	139	653
Michigan.....	0.7	0.4	0.5	2.4	0.7	0.27	0.09	0.38	2,269	829	284	1,157
Ohio.....	0.6	0.5	0.1	1.6	0.6	0.30	0.02	0.27	2,007	1,035	67	906
Wisconsin.....	0.8	0.7	0.4	1.9	0.8	0.47	0.08	0.27	1,375	783	134	458
Plains												
Iowa.....	1.2	1.3	0.4	2.0	1.2	0.82	0.09	0.29	1,011	694	73	245
Kansas.....	0.5	0.2	0.4	2.1	0.5	0.14	0.09	0.30	423	111	68	244
Minnesota.....	0.8	0.7	0.3	2.5	0.8	0.46	0.07	0.31	1,443	795	115	533
Missouri.....	0.9	0.9	0.2	2.1	0.9	0.56	0.03	0.35	1,558	928	49	582
Nebraska.....	1.3	1.3	0.6	2.1	1.3	0.88	0.13	0.30	699	471	71	158
North Dakota.....	1.3	1.5	0.4	1.6	1.3	0.97	0.08	0.27	233	172	13	47
South Dakota.....	1.5	1.8	0.5	1.6	1.5	1.17	0.11	0.24	327	252	24	51
Southeast												
Alabama.....	0.6	0.4	0.1	1.8	0.6	0.25	0.01	0.34	686	285	10	390
Arkansas.....	0.9	0.8	0.3	1.8	0.9	0.52	0.05	0.37	607	337	31	239
Florida.....	1.1	1.3	0.3	1.7	1.1	0.76	0.07	0.27	5,562	3,838	336	1,388
Georgia.....	0.9	1.0	0.0	2.0	0.9	0.69	0.00	0.26	2,401	1,753	-10	659
Kentucky.....	0.5	0.3	0.3	1.8	0.5	0.17	0.04	0.33	589	185	48	356
Louisiana.....	0.7	0.6	0.2	1.5	0.7	0.36	0.04	0.31	820	419	46	355
Mississippi.....	0.9	0.8	0.2	1.8	0.9	0.47	0.03	0.40	601	315	20	266
North Carolina.....	1.2	1.0	0.0	3.0	1.2	0.69	0.00	0.48	2,725	1,612	-9	1,122
South Carolina.....	0.6	0.3	0.0	2.1	0.6	0.18	0.01	0.36	593	194	9	390
Tennessee.....	0.7	0.6	-0.2	1.8	0.7	0.43	-0.03	0.32	1,181	697	-43	527
Virginia.....	0.8	1.0	-0.3	1.7	0.8	0.70	-0.04	0.19	2,066	1,716	-108	458
West Virginia.....	0.5	0.3	-0.1	1.3	0.5	0.17	-0.01	0.31	202	73	-5	134
Southwest												
Arizona.....	1.0	1.0	0.0	1.8	1.0	0.69	0.01	0.27	1,410	1,003	12	396
New Mexico.....	1.3	1.5	0.0	1.9	1.3	0.98	-0.01	0.33	595	447	-4	152
Oklahoma.....	0.8	0.7	0.0	1.9	0.8	0.48	0.01	0.33	730	426	5	299
Texas.....	1.1	1.2	0.1	1.6	1.1	0.89	0.01	0.21	6,957	5,565	45	1,346
Rocky Mountain												
Colorado.....	0.8	0.8	0.2	1.8	0.8	0.61	0.04	0.18	1,262	924	61	276
Idaho.....	1.1	0.9	0.3	2.9	1.1	0.60	0.06	0.43	377	208	20	149
Montana.....	1.6	2.1	0.3	1.4	1.6	1.29	0.08	0.24	372	299	18	55
Utah.....	1.0	1.0	0.0	2.0	1.0	0.73	-0.01	0.24	549	415	-4	137
Wyoming.....	1.3	1.3	0.9	1.9	1.3	0.81	0.22	0.24	199	127	34	38
Far West												
Alaska.....	1.0	1.0	0.3	1.6	1.0	0.67	0.05	0.27	208	141	10	57
California.....	0.6	0.6	-0.4	2.1	0.6	0.40	-0.07	0.28	7,141	4,745	-863	3,259
Hawaii.....	1.0	1.2	-0.1	1.7	1.0	0.81	-0.01	0.21	390	312	-5	83
Nevada.....	1.1	1.2	0.2	2.5	1.1	0.82	0.04	0.28	772	557	25	191
Oregon.....	0.8	0.2	0.2	3.4	0.8	0.15	0.04	0.57	770	150	39	582
Washington.....	1.8	2.3	0.0	1.6	1.8	1.58	0.01	0.23	3,679	3,204	16	459
BEA regions												
New England.....	0.4	0.2	0.2	1.5	0.4	0.17	0.03	0.20	2,184	912	180	1,092
Mideast.....	1.0	1.0	0.2	1.6	1.0	0.69	0.04	0.24	16,328	11,576	692	4,060
Great Lakes.....	0.6	0.3	0.3	1.9	0.6	0.23	0.06	0.28	8,165	3,229	911	4,024
Plains.....	1.0	0.9	0.3	2.1	1.0	0.57	0.07	0.31	5,695	3,422	413	1,860
Southeast.....	0.9	0.9	0.1	1.9	0.9	0.57	0.02	0.31	18,033	11,424	326	6,284
Southwest.....	1.1	1.2	0.0	1.7	1.1	0.82	0.01	0.24	9,692	7,441	59	2,192
Rocky Mountain.....	1.0	1.0	0.3	2.0	1.0	0.70	0.05	0.23	2,758	1,974	130	655
Far West.....	0.8	0.8	-0.3	2.1	0.8	0.57	-0.05	0.29	12,961	9,109	-779	4,631

1. Net earnings is earnings by place of work—the sum of wage and salary disbursements (payrolls), other labor income, and proprietors' income—less personal contributions for social insurance plus an adjustment to convert earnings by place of work to a place-of-residence basis.

Note: Estimates may not add to totals due to rounding.

Earnings growth by industry

Nationally, earnings grew in every industry except durable-goods manufacturing and leisure and hospitality (table C). Financial activities accounted for 0.28 percentage point of the 0.8-percent growth in earnings,

and they contributed the most to earnings growth in 24 states (table D). Government accounted for 0.14 percentage point, and natural resources and construction each accounted for 0.10 percentage point. Natural resources, particularly farming, was the largest

Table C. Earnings by Major Industry, by State and Region, 2003:I-2003:II

	Earnings by place of work ¹	Percent change												
		Earnings by industry												
		Natural resources and mining	Construction	Durable-goods manufacturing	Nondurable-goods manufacturing	Trade	Transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Government
United States	0.8	5.6	1.5	-0.3	0.2	0.3	0.1	1.2	3.1	0.3	0.6	-0.9	0.2	0.8
New England														
Connecticut	0.5	-0.5	1.5	-0.6	0.8	0.0	2.6	0.4	3.1	-1.3	0.7	-0.8	0.7	-0.1
Maine	0.7	1.3	0.7	-0.8	-1.1	0.2	1.7	-0.8	3.0	-0.1	1.0	-0.5	-0.2	2.1
Massachusetts	0.1	3.6	-3.3	-0.8	-0.2	0.5	-0.1	-0.3	2.5	0.1	0.6	-2.0	0.2	0.2
New Hampshire	0.1	2.0	-2.9	1.6	2.0	-0.5	0.5	-0.8	3.1	-1.5	0.0	-0.1	-1.3	1.1
Rhode Island	-1.4	1.0	3.9	-0.1	1.7	0.7	2.2	-0.6	3.1	-14.2	0.4	-2.7	1.4	-0.4
Vermont	1.1	5.7	-2.6	1.5	-1.3	1.7	2.7	2.0	3.1	0.5	0.9	1.3	-0.5	1.4
Mideast														
Delaware	1.2	6.8	4.0	0.7	3.4	-3.8	0.3	0.6	3.1	1.6	0.8	-4.2	0.7	1.9
District of Columbia	0.7	8.0	1.4	0.7	1.1	1.0	0.4	(²)	3.3	0.5	-4.5	(²)	1.2	1.2
Maryland	0.9	5.8	1.4	1.0	-0.7	0.5	2.2	-0.3	2.5	0.2	0.6	0.7	0.5	1.0
New Jersey	1.1	3.0	3.3	-0.4	0.4	0.7	0.5	0.4	3.3	0.4	1.1	0.5	0.5	1.5
New York	1.1	2.3	4.4	0.6	-0.5	0.3	0.7	0.9	3.2	0.7	0.5	-0.8	-0.2	0.5
Pennsylvania	0.8	5.0	1.0	0.8	-0.1	0.0	0.5	0.6	3.0	0.6	0.8	-1.0	0.4	1.1
Great Lakes														
Illinois	0.1	7.0	-1.4	-0.5	-0.1	0.1	0.1	-0.7	2.4	-0.6	0.1	-2.0	-0.6	0.4
Indiana	0.3	6.8	0.7	-0.1	-0.1	0.1	0.1	0.3	2.0	0.2	-0.5	-1.6	-0.7	1.3
Michigan	0.4	5.7	-0.2	0.7	0.5	-0.1	-1.3	0.9	5.0	-0.5	0.6	-2.1	0.0	0.5
Ohio	0.5	6.9	0.7	0.1	1.0	0.3	-1.0	-0.4	3.3	0.2	0.2	-1.2	-1.1	0.7
Wisconsin	0.7	7.4	-0.1	-0.6	0.6	1.3	0.1	0.7	4.0	0.4	0.4	-1.7	1.1	1.1
Plains														
Iowa	1.2	15.5	0.4	-1.7	0.2	0.1	0.1	1.6	2.0	1.1	1.5	-1.4	0.2	0.9
Kansas	0.1	7.8	1.8	-1.2	1.5	-0.2	2.0	-7.2	3.3	-0.1	-0.5	-0.9	0.8	0.0
Minnesota	0.7	1.3	3.3	-1.1	1.4	1.1	0.3	1.3	2.3	0.5	0.2	-1.6	0.0	0.1
Missouri	0.9	5.1	-0.1	0.3	1.5	0.5	0.1	-0.3	2.2	2.0	1.2	-3.6	2.8	1.5
Nebraska	1.3	13.6	-0.6	-0.3	1.0	0.3	0.6	0.7	2.5	1.0	1.4	-1.0	0.9	0.2
North Dakota	1.4	12.0	1.1	-1.8	1.2	-0.4	0.8	1.7	3.4	0.1	0.4	-1.0	0.3	0.9
South Dakota	1.7	13.2	-2.4	-0.1	0.0	-0.4	0.6	1.1	3.2	0.3	1.3	-1.1	2.3	1.6
Southeast														
Alabama	0.3	(²)	1.7	-0.8	-1.3	0.0	-1.3	0.6	2.4	0.7	-0.6	(²)	0.6	0.6
Arkansas	0.8	6.0	-0.3	-0.9	0.3	0.0	0.9	0.5	3.2	0.7	1.0	0.1	0.2	0.9
Florida	1.3	7.2	4.1	-0.3	-0.7	0.7	1.0	0.5	3.9	0.9	0.8	-0.1	0.5	1.0
Georgia	1.0	7.4	5.2	-1.5	-2.5	-0.9	-1.0	1.0	3.3	2.1	0.2	0.0	3.3	1.1
Kentucky	0.2	7.0	-3.2	-0.7	-0.5	0.2	0.0	-0.1	1.8	1.1	0.8	-3.0	0.2	0.7
Louisiana	0.5	2.0	3.5	-0.5	0.3	0.6	-0.1	0.5	2.3	-0.6	-0.4	-1.2	-0.8	0.9
Mississippi	0.8	6.5	1.6	-1.4	0.5	0.6	0.4	2.3	2.9	2.3	0.0	-1.0	0.6	0.5
North Carolina	1.0	6.8	2.6	-0.3	0.4	0.1	(²)	(²)	2.4	-0.1	1.7	-0.5	1.3	1.7
South Carolina	0.2	5.2	-1.2	-0.3	0.0	-0.3	-2.7	0.4	2.3	-0.1	1.2	-1.0	-0.5	1.2
Tennessee	0.6	-1.6	0.4	0.8	0.4	0.8	-0.8	0.9	3.1	0.8	0.7	-3.2	1.0	1.2
Virginia	1.0	5.9	3.0	-0.4	-0.5	0.5	-2.3	-0.2	2.6	1.0	0.8	-0.4	-0.3	1.8
West Virginia	0.2	5.1	-3.3	0.4	0.8	-0.4	0.6	0.4	3.1	0.9	0.2	-2.2	-0.2	-0.3
Southwest														
Arizona	1.0	-1.3	2.2	-0.8	0.5	0.6	0.2	-1.0	2.8	0.5	1.8	-0.5	1.4	2.0
New Mexico	1.5	9.3	3.2	-1.3	2.7	0.1	1.0	0.3	2.6	0.6	1.9	0.7	-0.5	1.1
Oklahoma	0.7	-0.1	2.0	0.5	2.2	1.3	0.4	-0.4	3.9	-0.6	-0.2	1.1	1.8	0.3
Texas	1.2	6.0	2.1	0.1	0.1	0.2	1.6	-0.6	3.6	0.1	0.9	-0.2	0.0	1.4
Rocky Mountain														
Colorado	0.8	5.9	0.5	-1.8	0.1	0.0	0.3	-0.3	4.4	2.0	0.9	-0.5	0.4	-0.1
Idaho	0.9	1.7	2.3	-1.9	1.4	0.2	1.3	1.9	5.2	1.0	0.9	-1.3	0.4	0.5
Montana	2.1	18.2	-1.2	0.2	2.3	0.0	1.8	2.0	2.4	1.5	1.7	-0.6	-0.8	2.9
Utah	1.0	1.6	4.1	0.4	2.0	0.4	1.3	0.6	2.9	0.7	0.6	-1.0	0.9	0.5
Wyoming	1.3	6.6	-2.0	-1.6	3.7	-0.5	(²)	(²)	-1.6	1.6	1.1	-1.0	(²)	1.4
Far West														
Alaska	1.0	(²)	4.0	(²)	(²)	-1.4	-1.0	0.7	3.6	0.7	4.2	0.8	(²)	1.0
California	0.6	5.2	1.6	-0.1	0.7	0.4	-1.1	0.3	3.3	-0.1	0.9	-0.8	-0.4	0.2
Hawaii	1.2	3.2	3.3	(²)	(²)	1.2	2.1	2.5	4.3	1.6	0.6	0.0	0.8	0.0
Nevada	1.2	4.9	2.4	0.9	1.3	0.8	-1.0	0.1	4.0	1.0	2.0	-0.6	-0.5	1.8
Oregon	0.2	2.4	-0.8	-0.5	-0.4	0.2	0.3	-0.2	2.3	0.9	0.4	-0.4	-1.3	-0.6
Washington	2.4	1.5	2.5	-4.6	-0.8	0.5	-0.2	25.0	3.2	0.7	1.1	-0.2	0.4	1.2
BEA regions														
New England	0.2	2.2	-1.5	-0.4	0.2	0.3	1.1	-0.1	2.8	-1.1	0.6	-1.3	0.2	0.3
Mideast	1.0	4.6	2.7	0.5	0.0	0.3	0.7	(²)	3.1	0.6	0.5	(²)	0.3	1.0
Great Lakes	0.3	6.8	-0.2	0.1	0.4	0.2	-0.4	-0.1	3.2	-0.3	0.2	-1.7	-0.5	0.7
Plains	0.8	10.6	1.1	-0.8	1.1	0.5	0.5	-1.1	2.4	1.0	0.7	-2.0	1.1	0.7
Southeast	0.9	(²)	2.5	-0.5	-0.4	0.2	(²)	(²)	3.1	0.9	0.6	(²)	0.7	1.2
Southwest	1.1	5.0	2.2	-0.1	0.4	0.3	1.3	-0.6	3.5	0.1	1.0	-0.1	0.4	1.4
Rocky Mountain	1.0	5.8	1.1	-1.1	1.1	0.1	(²)	(²)	3.9	1.6	0.9	-0.7	(²)	0.5
Far West	0.8	(²)	1.7	-0.7	0.4	0.4	-0.8	4.6	3.3	0.1	1.0	-0.7	(²)	0.4

1. Earnings by place of work is the sum of wage and salary disbursements (payrolls), other labor income, and proprietors' income.

2. Data are suppressed to avoid disclosure of confidential information.

contributor to earnings growth in 12 states. Fast growth in farming was particularly important in the Plains states—notably in North Dakota, South Dakota, Nebraska, and Iowa, which were among the 10 fastest growing states. Earnings growth in government was

the largest contributor in eight states and the District of Columbia.

Earnings in durable-goods manufacturing in 32 states declined. The most pronounced decline was in Washington, where earnings declined 4.6 percent.

Table D. Contributions to Percent Change in Earnings, by State and Region, 2003:I–2003:II

	Earnings by place of work ¹	Percent change												
		Earnings by industry												
		Natural resources and mining	Construction	Durable-goods manufacturing	Nondurable-goods manufacturing	Trade	Transportation and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services	Government
United States	0.8	0.10	0.10	-0.02	0.01	0.04	0.01	0.05	0.28	0.05	0.07	-0.04	0.01	0.14
New England														
Connecticut.....	0.5	0.00	0.07	-0.05	0.03	0.00	0.07	0.01	0.51	-0.20	0.09	-0.03	0.02	-0.01
Maine.....	0.7	0.02	0.05	-0.05	-0.07	0.03	0.06	-0.02	0.22	-0.01	0.16	-0.02	-0.01	0.39
Massachusetts.....	0.1	0.01	-0.20	-0.07	-0.01	0.06	0.00	-0.01	0.30	0.02	0.08	-0.08	0.01	0.02
New Hampshire.....	0.1	0.01	-0.21	0.19	0.08	-0.09	0.01	-0.02	0.26	-0.19	-0.01	-0.01	-0.04	0.13
Rhode Island.....	-1.4	0.00	0.21	-0.01	0.07	0.07	0.07	-0.02	0.30	-1.98	0.06	-0.11	0.04	-0.08
Vermont.....	1.1	0.09	-0.17	0.17	-0.05	0.22	0.10	0.05	0.20	0.05	0.13	0.07	-0.01	0.24
Mideast														
Delaware.....	1.2	0.06	0.22	0.03	0.21	-0.42	0.01	0.02	0.50	0.30	0.09	-0.15	0.02	0.27
District of Columbia.....	0.7	0.20	0.02	0.00	0.00	0.02	0.00	(?)	0.18	0.11	-0.39	(?)	0.07	0.51
Maryland.....	0.9	0.02	0.10	0.04	-0.02	0.06	0.09	-0.01	0.20	0.04	0.07	0.03	0.02	0.24
New Jersey.....	1.1	0.01	0.17	-0.02	0.03	0.10	0.02	0.02	0.36	0.08	0.11	0.02	0.01	0.22
New York.....	1.1	0.01	0.18	0.02	-0.01	0.03	0.02	0.06	0.58	0.12	0.06	-0.03	-0.01	0.08
Pennsylvania.....	0.8	0.05	0.07	0.07	-0.01	0.01	0.02	0.02	0.25	0.09	0.13	-0.04	0.01	0.15
Great Lakes														
Illinois.....	0.1	0.07	-0.09	-0.04	-0.01	0.01	0.01	-0.02	0.25	-0.10	0.01	-0.08	-0.02	0.06
Indiana.....	0.3	0.06	0.05	-0.02	-0.01	0.01	0.00	0.01	0.12	0.01	-0.06	-0.07	-0.02	0.19
Michigan.....	0.4	0.03	-0.01	0.13	0.02	-0.01	-0.05	0.02	0.29	-0.09	0.06	-0.07	0.00	0.07
Ohio.....	0.5	0.05	0.04	0.02	0.05	0.03	-0.04	-0.01	0.24	0.02	0.02	-0.05	-0.03	0.11
Wisconsin.....	0.7	0.08	-0.01	-0.08	0.04	0.16	0.00	0.02	0.29	0.04	0.05	-0.06	0.03	0.16
Plains														
Iowa.....	1.2	0.75	0.02	-0.17	0.01	0.01	0.01	0.04	0.18	0.08	0.17	-0.06	0.01	0.15
Kansas.....	0.1	0.21	0.11	-0.12	0.08	-0.02	0.09	-0.45	0.23	-0.01	-0.05	-0.04	0.02	0.01
Minnesota.....	0.7	0.02	0.21	-0.11	0.07	0.15	0.01	0.03	0.23	0.08	0.03	-0.06	0.00	0.01
Missouri.....	0.9	0.04	-0.01	0.02	0.07	0.06	0.01	-0.01	0.16	0.28	0.14	-0.17	0.08	0.24
Nebraska.....	1.3	0.69	-0.04	-0.02	0.06	0.04	0.04	0.02	0.19	0.11	0.15	-0.03	0.03	0.04
North Dakota.....	1.4	0.93	0.07	-0.09	0.03	-0.05	0.05	0.02	0.20	0.00	0.05	-0.03	0.01	0.21
South Dakota.....	1.7	1.13	-0.15	-0.01	0.00	-0.05	0.02	0.02	0.25	0.02	0.19	-0.05	0.07	0.31
Southeast														
Alabama.....	0.3	(?)	0.12	-0.08	-0.09	0.00	-0.06	0.01	0.15	0.08	-0.06	(?)	0.02	0.13
Arkansas.....	0.8	0.28	-0.02	-0.09	0.02	0.00	0.06	0.01	0.16	0.07	0.11	0.00	0.01	0.16
Florida.....	1.3	0.09	0.28	-0.01	-0.01	0.10	0.04	0.02	0.37	0.15	0.09	-0.01	0.01	0.17
Georgia.....	1.0	0.11	0.32	-0.08	-0.14	-0.11	-0.06	0.06	0.25	0.32	0.02	0.00	0.09	0.19
Kentucky.....	0.2	0.20	-0.19	-0.08	-0.03	0.02	0.00	0.00	0.10	0.11	0.09	-0.12	0.00	0.13
Louisiana.....	0.5	0.11	0.24	-0.03	0.02	0.06	-0.01	0.01	0.14	-0.07	-0.05	-0.07	-0.02	0.19
Mississippi.....	0.8	0.24	0.10	-0.15	0.03	0.07	0.02	0.04	0.14	0.19	0.00	-0.06	0.02	0.11
North Carolina.....	1.0	0.13	0.17	-0.02	0.03	0.01	(?)	(?)	0.17	-0.01	0.17	-0.02	0.03	0.34
South Carolina.....	0.2	0.05	-0.09	-0.03	0.00	-0.04	-0.11	0.01	0.14	-0.01	0.10	-0.05	-0.01	0.26
Tennessee.....	0.6	-0.01	0.02	0.08	0.02	0.10	-0.05	0.02	0.21	0.09	0.10	-0.17	0.03	0.17
Virginia.....	1.0	0.05	0.19	-0.02	-0.02	0.05	-0.09	-0.01	0.17	0.21	0.06	-0.01	-0.01	0.44
West Virginia.....	0.2	0.28	-0.20	0.03	0.04	-0.05	0.03	0.01	0.14	0.08	0.03	-0.10	0.00	-0.07
Southwest														
Arizona.....	1.0	-0.03	0.19	-0.07	0.01	0.07	0.01	-0.03	0.26	0.07	0.18	-0.03	0.04	0.35
New Mexico.....	1.5	0.49	0.21	-0.05	0.03	0.01	0.04	0.01	0.12	0.08	0.20	0.03	-0.01	0.33
Oklahoma.....	0.7	-0.01	0.10	0.03	0.13	0.15	0.02	-0.01	0.23	-0.07	-0.02	0.04	0.05	0.06
Texas.....	1.2	0.32	0.14	0.00	0.00	0.02	0.10	-0.02	0.31	0.01	0.08	-0.01	0.00	0.23
Rocky Mountain														
Colorado.....	0.8	0.13	0.04	-0.11	0.00	0.00	0.01	-0.02	0.42	0.31	0.08	-0.03	0.01	-0.02
Idaho.....	0.9	0.12	0.21	-0.16	0.05	0.02	0.05	0.03	0.28	0.13	0.08	-0.06	0.01	0.10
Montana.....	2.1	0.84	-0.09	0.01	0.05	0.00	0.11	0.05	0.14	0.13	0.22	-0.04	-0.03	0.67
Utah.....	1.0	0.03	0.28	0.03	0.07	0.05	0.07	0.02	0.22	0.09	0.06	-0.05	0.03	0.11
Wyoming.....	1.3	0.95	-0.18	-0.03	0.08	-0.05	(?)	(?)	-0.08	0.12	0.08	-0.06	(?)	0.35
Far West														
Alaska.....	1.0	(?)	0.31	(?)	(?)	-0.12	-0.08	0.02	0.15	0.06	0.39	0.05	(?)	0.31
California.....	0.6	0.10	0.10	-0.01	0.02	0.05	-0.04	0.02	0.28	-0.01	0.08	-0.04	-0.01	0.03
Hawaii.....	1.2	0.04	0.21	(?)	(?)	0.12	0.10	0.08	0.26	0.20	0.06	0.00	0.02	0.01
Nevada.....	1.2	0.07	0.29	0.03	0.01	0.09	-0.04	0.00	0.29	0.13	0.15	-0.11	-0.01	0.28
Oregon.....	0.2	0.07	-0.05	-0.06	-0.01	0.03	0.01	-0.01	0.16	0.12	0.05	-0.02	-0.04	-0.10
Washington.....	2.4	0.04	0.17	-0.40	-0.02	0.06	-0.01	1.92	0.22	0.09	0.11	-0.01	0.01	0.25
BEA regions														
New England.....	0.2	0.01	-0.09	-0.03	0.01	0.04	0.03	0.00	0.34	-0.17	0.08	-0.05	0.01	0.05
Mideast.....	1.0	0.03	0.14	0.03	0.00	0.03	0.03	(?)	0.41	0.10	0.07	(?)	0.01	0.16
Great Lakes.....	0.3	0.06	-0.01	0.01	0.02	0.03	-0.02	0.00	0.24	-0.04	0.02	-0.07	-0.01	0.10
Plains.....	0.8	0.28	0.07	-0.07	0.06	0.06	0.02	-0.04	0.20	0.12	0.09	-0.08	0.03	0.11
Southeast.....	0.9	(?)	0.16	-0.03	-0.02	0.03	(?)	(?)	0.22	0.13	0.07	(?)	0.02	0.22
Southwest.....	1.1	0.25	0.15	-0.01	0.02	0.04	0.08	-0.02	0.28	0.02	0.09	-0.01	0.01	0.24
Rocky Mountain.....	1.0	0.20	0.09	-0.07	0.03	0.01	(?)	(?)	0.31	0.22	0.09	-0.04	(?)	0.09
Far West.....	0.8	(?)	0.11	-0.06	0.01	0.05	-0.03	0.25	0.27	0.02	0.09	-0.04	(?)	0.06

1. Earnings by place of work is the sum of wage and salary disbursements (payrolls), other labor income, and proprietors' income.
 2. Data are suppressed to avoid disclosure of confidential information.

Earnings in durable-goods manufacturing increased in the other states and the District of Columbia, but in all these states except New Hampshire and Michigan, its contribution to total earnings growth was relatively small. In New Hampshire and Michigan, durable-goods manufacturing's contribution to earnings growth was second only to that of financial activities.

The decline in earnings in leisure and hospitality was larger than the decline in earnings in durable-goods manufacturing. It was also more widespread; earnings in this industry declined in 40 states. Virtually the entire decline was accounted for by the arts, entertainment, and recreation industry (NAICS 71); earnings in the accommodation and food services industry (NAICS 72) was unchanged from the first quarter.

Earnings growth since the 2001 recession

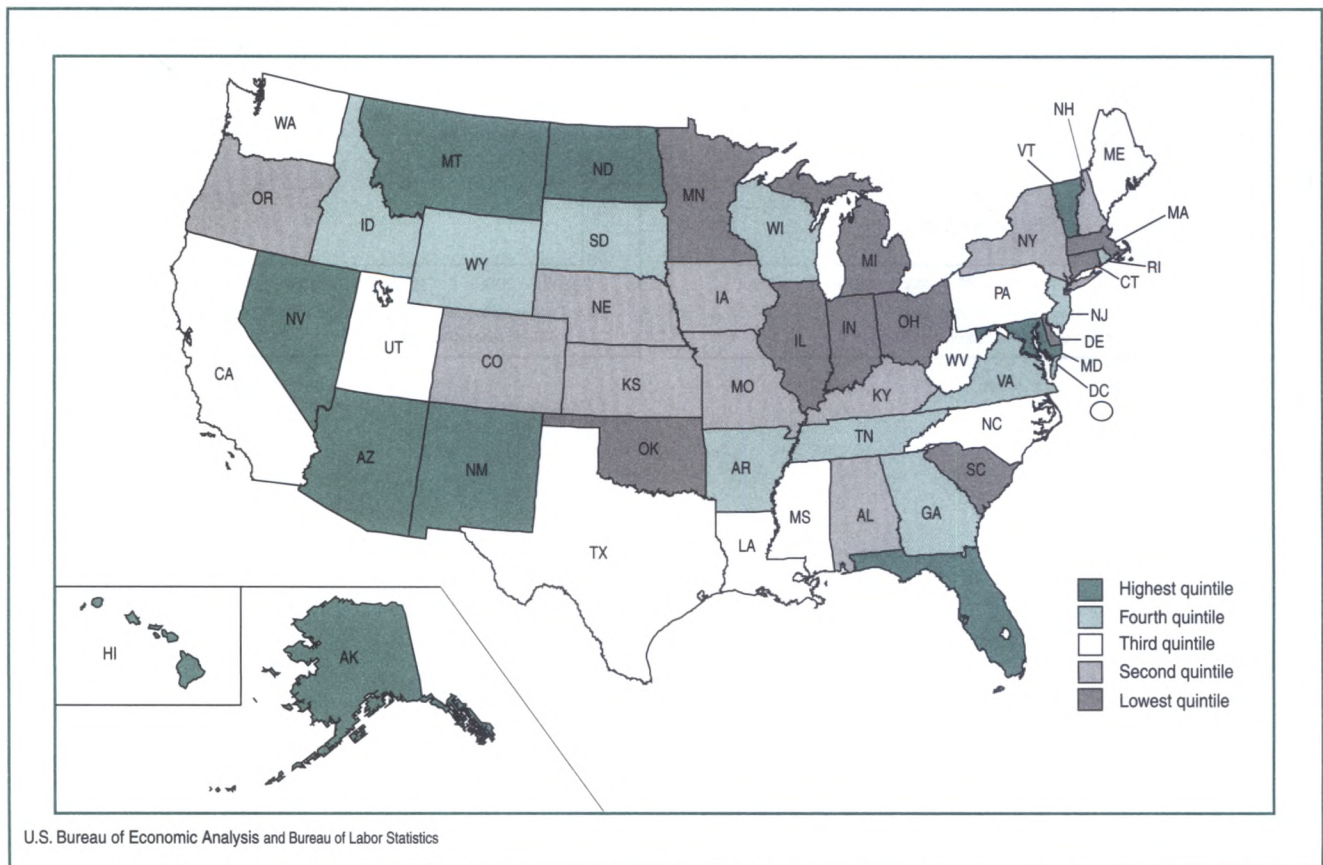
Defining a jobless recovery as a recovery in which the number of jobs is no higher six quarters after the trough of a recession than at the trough, the two recoveries since 1990 were jobless recoveries. In the current recovery, the total number of wage and salary jobs in the Nation was slightly lower in June 2003 than in November 2001, the trough of the recession. In contrast,

in four of the five recoveries before 1990, the number of jobs in the economy six quarters after the trough was, on average, almost 5 percent higher than at the trough.

While the term "jobless recovery" may describe the current recovery for the Nation as a whole, it has not been a jobless recovery in all the states. In 20 states, the number of jobs six quarters after the trough of the 2001 recession was higher than at the trough, but the total number of jobs in the Nation was nearly 1 percent lower (chart 2).

States with faster job growth exhibited faster earnings growth. Chart 3 shows the earnings growth in states, which are grouped in quintiles on the basis of the growth in the number of jobs during the first six quarters of the recovery. The 10 states with the highest job growth had substantially higher year-over-year growth in quarterly earnings than the other states. Earnings for the states in the top quintile, in terms of job growth during the recovery, grew an average of 1.4 percent each quarter in the six quarters of the recovery, compared with an average quarterly growth rate of 0.6 percent for the lowest quintile. In all the quintiles, the largest contributor to total earnings growth was the education and health services sector, primarily health

Chart 2. Job Growth, 2001:IV–2003:II



services. Growth in state and local government and in financial activities were the next most important contributors to total earnings growth. Earnings in nondurable-goods manufacturing declined in all five quintiles, and earnings in durable-goods manufacturing declined in three quintiles, including the highest. Earnings in the information sector declined in all but the middle quintile.¹

Year-to-year trends in quarterly state personal income growth

Quarter-to-quarter changes in state personal income are subject to large swings, so it is useful to look at the change in state personal income in the current quarter

relative to the change in the same quarter a year ago. Chart 4 shows the year-to-year growth rates of quarterly state personal income from the second quarter of 2000 through the second quarter of 2003. States are grouped into quintiles based on growth rates in the first and second quarters of 2003.

The higher growth of the top quintile of states in the second quarter of 2003 compared with a year earlier was not an isolated occurrence, as indicated by the fact that this group of states also had higher year-to-year growth in seven of the eight preceding quarters. In addition, growth of the states in the top quintile accelerated in the first two quarters of 2003, whereas growth slowed in the states in the bottom quintile slowed.

Tables 1 and 2 follow.

1. In an upcoming SURVEY article, regional patterns of earnings growth since the 2001 recession will be more fully examined.

Chart 3. Earnings Growth by Job Growth Quintiles

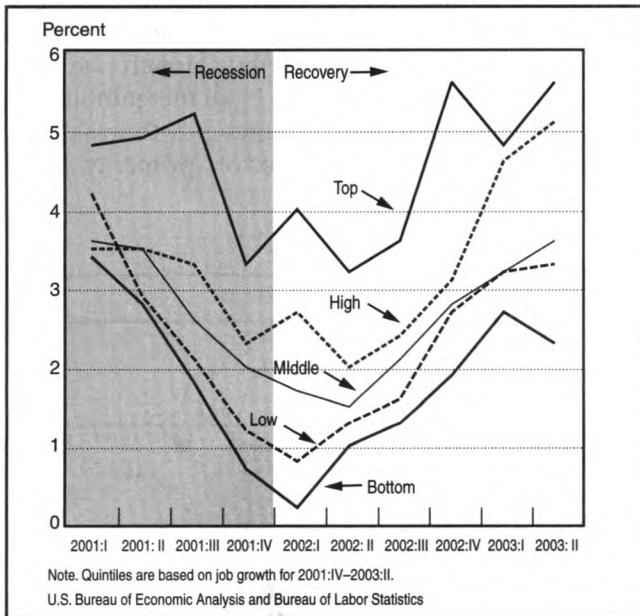


Chart 4. Change in Personal Income From the Same Quarter a Year Earlier

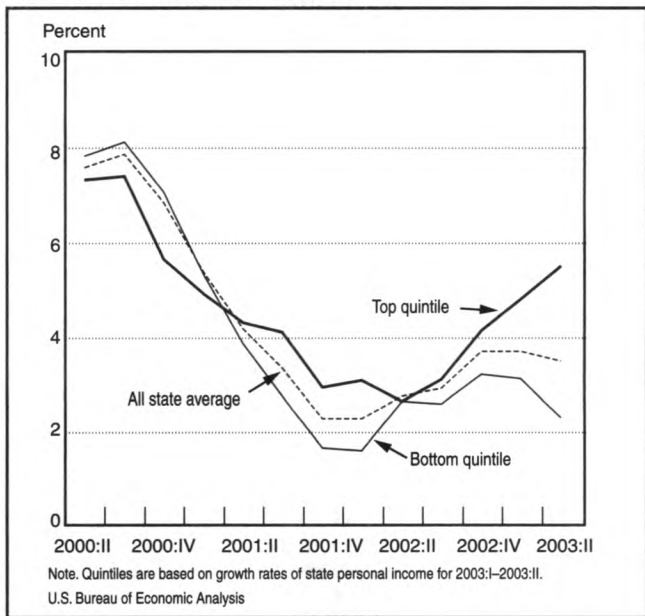


Table 1. Personal Income by State and Region

(Millions of dollars, seasonally adjusted at annual rates)

Area name	1999		2000				2001				2002				2003		Percent change ¹ 2003:I- 2003:II
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I ^a	II ^a	
United States	7,801,469	7,953,561	8,203,951	8,340,516	8,481,243	8,569,774	8,651,750	8,669,238	8,697,083	8,691,889	8,772,204	8,881,691	8,927,635	8,982,839	9,053,499	9,129,313	0.8
New England	463,492	472,228	492,587	499,629	510,551	517,235	523,494	521,469	520,807	519,362	524,249	531,524	532,245	533,241	537,534	539,718	0.4
Connecticut	131,512	133,597	137,801	140,406	142,688	144,758	146,423	145,899	145,327	144,542	147,269	148,249	148,840	148,486	150,562	151,432	0.6
Maine	31,316	31,228	32,059	32,757	33,121	33,529	34,234	34,394	34,585	34,753	35,481	35,856	36,141	36,483	37,040	37,358	0.9
Massachusetts	218,631	223,830	235,826	238,462	245,457	248,107	250,661	248,883	248,235	247,332	247,765	252,257	251,714	252,127	252,613	253,436	0.3
New Hampshire	37,407	38,300	40,481	40,773	41,521	42,285	42,913	42,752	42,729	42,722	43,055	43,865	43,847	44,047	44,381	44,519	0.3
Rhode Island	28,935	29,334	30,101	30,489	30,977	31,396	31,817	31,919	32,245	32,261	32,779	33,202	33,467	33,659	34,391	34,239	-0.4
Vermont	15,690	15,939	16,318	16,743	16,788	17,160	17,447	17,622	17,685	17,752	17,900	18,093	18,238	18,439	18,547	18,734	1.0
Mideast	1,465,040	1,478,613	1,533,630	1,567,335	1,589,291	1,621,161	1,631,068	1,628,112	1,632,447	1,631,164	1,644,672	1,662,445	1,668,240	1,674,725	1,683,917	1,700,245	1.0
Delaware	22,795	23,229	23,706	24,231	24,672	25,209	25,256	25,609	25,850	25,780	25,929	26,000	26,175	26,143	26,670	27,146	1.0
District of Columbia	20,828	21,181	22,333	22,689	22,938	23,434	23,144	23,244	23,276	23,305	24,204	24,677	24,768	25,393	25,012	25,271	1.0
Maryland	168,178	170,617	176,498	179,203	182,366	185,696	188,357	189,786	190,747	191,170	194,304	196,862	198,005	199,454	200,370	201,941	0.8
New Jersey	288,208	295,035	306,809	316,979	321,275	327,824	326,632	327,969	329,812	330,559	337,578	338,845	341,099	342,035	345,441	348,914	1.0
New York	621,989	619,371	647,339	661,036	669,618	685,055	691,345	683,685	682,727	681,059	676,590	686,279	685,909	687,503	687,045	694,226	1.0
Pennsylvania	343,042	349,180	356,945	363,197	368,419	373,942	376,335	377,739	380,033	379,292	386,067	389,692	392,825	394,198	399,180	402,747	0.9
Great Lakes	1,253,889	1,276,384	1,312,492	1,325,439	1,339,837	1,347,657	1,358,650	1,360,352	1,367,434	1,364,979	1,373,198	1,396,144	1,402,919	1,409,904	1,415,750	1,423,915	0.6
Illinois	373,875	381,355	392,581	398,686	405,376	410,567	413,332	411,904	414,358	412,582	415,157	420,863	420,922	422,491	423,805	425,211	0.3
Indiana	154,431	157,602	162,336	164,309	166,165	165,361	168,181	168,290	169,060	168,955	171,072	173,169	174,777	176,538	177,028	178,136	0.6
Michigan	276,777	280,785	291,251	292,004	293,583	294,304	295,843	296,181	297,092	296,806	295,932	304,930	306,682	307,437	307,471	309,740	0.7
Ohio	304,584	309,656	316,931	318,569	321,035	322,078	324,581	326,608	328,330	327,985	330,130	334,343	336,601	338,255	340,755	342,762	0.6
Wisconsin	144,222	146,985	149,392	151,869	153,677	155,348	156,713	157,369	158,594	158,651	160,906	162,839	163,937	165,182	166,691	168,066	0.8
Plains	513,281	525,456	534,339	546,218	553,792	557,165	562,952	565,546	569,173	569,280	576,036	580,552	585,711	589,532	596,940	602,634	1.0
Iowa	73,326	74,855	76,108	77,676	78,421	78,715	79,391	79,654	80,152	80,093	81,814	82,375	82,803	83,577	84,767	85,778	1.2
Kansas	69,928	72,199	71,753	73,639	75,309	74,825	76,291	76,556	77,327	77,138	77,875	77,967	78,418	79,028	80,167	80,589	0.5
Minnesota	147,261	150,723	154,381	158,125	160,570	163,070	164,055	164,632	165,126	165,325	167,189	169,755	171,656	171,969	172,584	174,027	0.8
Missouri	143,982	146,660	150,470	153,761	155,682	156,483	157,920	158,745	159,866	159,843	161,919	162,919	164,041	165,471	166,696	168,254	0.9
Nebraska	45,499	46,741	46,642	47,414	48,088	48,252	49,123	49,476	49,887	50,084	50,408	50,774	51,397	51,767	53,312	54,011	1.3
North Dakota	14,756	15,307	15,726	16,097	16,153	16,111	16,304	16,398	16,533	16,452	16,787	16,608	16,931	17,059	17,783	18,016	1.3
South Dakota	18,529	18,971	19,260	19,505	19,569	19,709	19,868	20,086	20,282	20,347	20,403	20,095	20,466	20,660	21,632	21,959	1.5
Southeast	1,721,818	1,753,951	1,798,309	1,828,832	1,854,115	1,874,225	1,895,842	1,909,663	1,918,954	1,921,712	1,944,902	1,968,792	1,979,094	1,995,385	2,021,336	2,039,369	0.9
Alabama	100,724	102,191	103,738	105,257	105,904	107,041	108,598	109,319	109,808	109,825	111,057	112,093	113,036	114,183	116,050	116,736	0.9
Arkansas	56,053	57,013	57,854	58,562	59,672	59,633	60,661	61,067	61,559	61,927	62,408	63,291	63,686	64,484	65,067	65,674	0.9
Florida	426,687	431,669	444,157	452,177	459,035	465,884	470,309	475,131	478,106	478,882	485,611	493,048	495,859	501,588	505,471	511,032	1.1
Georgia	213,907	218,724	226,268	229,859	233,463	236,508	238,069	239,184	240,715	241,046	243,028	245,628	246,123	248,050	253,428	255,829	0.9
Kentucky	91,411	93,383	96,542	97,668	98,868	99,780	100,459	100,953	101,830	101,649	103,365	104,583	105,556	106,548	107,340	107,929	0.5
Louisiana	99,022	100,586	101,827	103,306	104,252	105,135	107,373	108,618	110,287	110,991	112,155	113,505	113,982	115,257	116,001	116,821	0.7
Mississippi	57,129	57,916	58,563	59,561	60,068	60,195	61,420	61,739	62,092	62,437	63,376	63,990	64,523	65,077	66,531	67,132	0.9
North Carolina	200,989	206,935	212,844	216,603	219,838	221,626	223,903	224,212	224,210	224,050	227,740	228,855	229,994	230,836	234,567	237,292	1.2
South Carolina	91,509	93,051	95,124	97,267	98,213	99,036	100,603	100,513	101,332	101,158	102,912	104,156	104,718	105,420	107,166	107,759	0.6
Tennessee	141,801	144,055	147,282	149,179	151,095	152,187	152,906	153,934	154,928	154,751	156,391	158,810	159,256	160,411	162,260	163,441	0.7
Virginia	204,973	209,459	215,466	220,039	224,073	227,532	230,869	233,930	232,735	233,388	234,661	238,366	239,670	240,605	244,050	246,116	0.8
West Virginia	37,611	38,070	38,644	39,354	39,634	40,118	40,671	41,063	41,353	41,608	42,198	42,467	42,689	42,944	43,406	43,608	0.5
Southwest	777,451	795,211	819,754	833,799	849,525	857,947	871,240	871,512	877,630	878,046	882,369	892,577	896,253	902,617	907,344	917,036	1.1
Arizona	121,062	123,358	129,117	129,404	131,811	133,853	135,545	136,991	138,663	138,125	140,528	142,215	143,274	144,881	145,953	147,364	1.0
New Mexico	37,832	38,396	38,764	39,593	39,945	40,467	41,451	41,979	42,630	42,982	43,677	44,098	44,338	45,193	45,461	46,056	1.3
Oklahoma	77,540	79,144	80,479	82,367	83,896	84,982	85,713	86,339	86,925	87,221	86,961	87,622	88,168	88,522	89,177	89,907	0.8
Texas	541,017	554,313	571,394	582,434	593,873	598,645	608,532	606,204	609,412	609,717	611,202	618,643	620,373	624,021	626,753	633,709	1.1
Rocky Mountain	238,957	246,228	252,336	259,527	265,102	268,181	270,900	271,833	272,434	271,806	273,963	275,997	277,739	279,810	281,091	283,849	1.0
Colorado	128,454	133,367	136,641	141,846	146,085	147,601	148,921	148,426	148,132	147,475	147,880	149,421	149,961	150,665	151,128	152,390	1.0
Idaho	28,980	29,778	30,544	31,075	31,333	31											

Table 2. Personal Income by Major Source

(Millions of dollars)

Line	Item	United States						Alabama							
		2001		2002			2003		2001		2002			2003	
		IV	I	II	III	IV	I ^P	II ^P	IV	I	II	III	IV	I ^P	II ^P
Income by place of residence															
1	Personal income (lines 4-11).....	8,691,889	8,772,204	8,881,691	8,927,635	8,982,839	9,053,499	9,129,313	109,825	111,057	112,093	113,036	114,183	116,050	116,736
2	Nonfarm personal income.....	8,652,036	8,726,965	8,851,276	8,892,120	8,944,559	9,007,379	9,078,802	108,543	110,013	111,544	112,349	113,441	114,883	115,473
3	Farm income (line 17).....	39,852	45,239	30,415	35,516	38,281	46,120	50,511	1,282	1,045	549	688	743	1,168	1,263
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44).....	6,230,861	6,266,753	6,317,631	6,353,520	6,396,258	6,451,837	6,503,019	74,793	75,274	75,620	76,471	77,344	78,928	79,204
5	Less: Personal contributions for social insurance ²	372,088	379,868	382,955	384,677	386,158	391,290	393,379	4,766	4,890	4,938	4,986	5,029	5,135	5,139
6	Plus: Adjustment for residence ³	-1,080	-1,352	-1,368	-1,372	-1,381	-1,382	-1,390	928	1,045	1,053	1,047	1,052	1,080	1,093
7	Equals: Net earnings by place of residence.....	5,857,693	5,885,533	5,933,307	5,967,471	6,008,719	6,059,165	6,108,250	70,955	71,429	71,734	72,532	73,368	74,874	75,158
8	Plus: Dividends, interest, and rent ⁴	1,628,424	1,633,896	1,665,010	1,661,022	1,654,236	1,652,749	1,654,681	19,524	19,569	19,914	19,853	19,764	19,727	19,738
9	Plus: Transfer payments.....	1,205,772	1,252,775	1,283,374	1,299,142	1,319,884	1,341,585	1,366,382	19,346	20,060	20,444	20,651	21,052	21,450	21,840
10	State unemployment insurance benefits.....	40,668	51,922	66,957	67,177	63,800	61,578	65,590	347	446	563	502	488	474	507
11	Transfers excluding State unemployment insurance benefits.....	1,165,104	1,200,853	1,216,417	1,231,965	1,256,084	1,280,007	1,300,792	18,999	19,614	19,882	20,149	20,564	20,975	21,333
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	4,928,156	4,930,075	4,969,358	4,979,106	4,994,874	5,024,162	5,046,212	59,121	59,459	60,039	60,472	60,952	61,786	61,775
13	Other labor income.....	571,344	585,691	598,887	612,222	624,760	633,688	639,466	7,492	7,720	7,894	8,095	8,289	8,466	8,505
14	Proprietors' income ⁵	731,361	750,987	749,386	762,192	776,624	793,987	817,341	8,180	8,094	7,687	7,904	8,103	8,677	8,925
15	Farm proprietors' income.....	19,277	24,328	9,371	14,176	16,713	23,464	27,730	1,102	868	370	506	560	979	1,069
16	Nonfarm proprietors' income.....	712,084	726,659	740,015	748,016	759,911	770,041	789,611	7,078	7,227	7,317	7,398	7,543	7,698	7,856
Earnings by industry															
17	Farm earnings.....	39,852	45,239	30,415	35,516	38,281	46,120	50,511	1,282	1,045	549	688	743	1,168	1,263
18	Nonfarm earnings.....	6,191,009	6,221,514	6,287,216	6,318,005	6,357,977	6,405,717	6,452,508	73,511	74,229	75,071	75,784	76,602	77,761	77,942
19	Private earnings.....	5,177,854	5,183,449	5,236,524	5,252,668	5,278,694	5,306,126	5,343,597	58,554	58,882	59,563	60,138	60,657	61,441	61,516
20	Forestry, fishing, related activities, and other ⁶	19,066	19,607	19,878	20,516	20,989	21,149	21,192	(D)	(D)	(D)	(D)	(D)	(D)	(D)
21	Mining.....	53,541	51,850	51,552	51,540	52,515	52,323	54,584	688	682	659	688	689	680	717
22	Utilities.....	67,275	68,580	68,690	69,044	69,089	69,554	71,259	1,106	1,102	1,117	1,116	1,149	1,309	1,284
23	Construction.....	393,541	397,637	397,393	398,878	400,587	402,934	409,178	5,258	5,263	5,187	5,206	5,314	5,426	5,519
24	Manufacturing.....	812,726	796,991	804,435	799,191	794,521	793,961	793,123	12,847	12,859	12,964	12,992	13,087	12,898	12,764
25	Durable goods.....	524,678	520,372	527,264	521,622	518,871	515,894	514,587	7,434	7,610	7,781	7,805	7,887	7,693	7,629
26	Nondurable goods.....	288,048	276,619	277,171	277,569	275,651	278,068	278,537	5,413	5,249	5,183	5,187	5,199	5,205	5,135
27	Wholesale trade.....	321,526	325,531	327,465	328,177	325,482	330,604	332,055	3,595	3,735	3,741	3,758	3,649	3,778	3,803
28	Retail trade.....	422,593	426,653	430,260	434,020	434,915	438,454	439,321	5,712	5,772	5,796	5,857	5,926	6,025	6,003
29	Transportation and warehousing.....	206,193	202,725	205,994	208,107	208,077	208,791	207,438	2,158	2,163	2,180	2,185	2,169	2,203	2,181
30	Information.....	276,826	268,612	268,026	266,006	267,302	265,932	269,173	1,823	1,813	1,842	1,836	1,915	1,775	1,785
31	Finance and insurance.....	463,487	457,018	468,411	465,161	470,453	465,396	479,481	3,582	3,520	3,585	3,542	3,785	3,914	4,020
32	Real estate and rental and leasing.....	107,662	110,497	113,609	114,319	116,412	116,233	120,387	925	961	981	996	1,009	1,029	1,044
33	Professional and technical services.....	572,922	566,534	569,811	569,283	572,239	578,471	580,354	5,576	5,374	5,538	5,578	5,720	5,950	5,994
34	Management of companies and enterprises.....	135,042	133,687	134,702	134,687	134,499	133,118	133,887	538	562	569	538	556	604	630
35	Administrative and waste services.....	234,725	246,036	245,769	244,962	244,624	246,467	247,056	2,003	2,197	2,222	2,217	2,221	2,221	2,210
36	Educational services.....	79,041	80,257	81,938	83,980	86,540	88,324	86,990	499	503	512	540	532	548	536
37	Health care and social assistance.....	562,718	573,288	585,875	598,905	609,952	620,492	626,346	7,047	7,119	7,388	7,762	7,579	7,696	7,658
38	Arts, entertainment, and recreation.....	72,863	74,594	75,520	76,042	77,192	77,538	75,006	336	336	338	341	342	340	324
39	Accommodation and food services.....	199,980	205,169	207,717	209,655	211,576	213,251	213,240	(D)	(D)	(D)	(D)	(D)	(D)	(D)
40	Other services, except public administration.....	176,129	178,184	179,481	180,195	181,731	183,135	183,530	2,402	2,424	2,429	2,429	2,456	2,445	2,459
41	Government and government enterprises.....	1,013,155	1,038,065	1,050,691	1,065,337	1,079,283	1,099,591	1,108,911	14,958	15,346	15,509	15,645	15,945	16,320	16,426
42	Federal, civilian.....	189,073	196,814	198,991	201,877	206,114	212,467	214,932	3,439	3,579	3,598	3,638	3,653	3,779	3,813
43	Military.....	80,222	88,526	90,015	91,151	90,502	98,546	101,091	1,269	1,371	1,379	1,394	1,379	1,483	1,500
44	State and local.....	743,860	752,726	761,686	772,309	782,667	788,578	792,888	10,250	10,397	10,531	10,614	10,912	11,057	11,113

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II ¹
seasonally adjusted at annual rates¹

Alaska						Arizona						Arkansas						Line			
2001		2002			2003		2001		2002			2003		2001		2002			2003		
IV	I	II	III	IV	I ¹	II ²	IV	I	II	III	IV	I ¹	II ²	IV	I	II	III	IV	I ¹	II ²	
19,842	20,091	20,273	20,607	20,898	20,912	21,120	138,125	140,528	142,215	143,274	144,881	145,953	147,364	61,927	62,408	63,291	63,686	64,464	65,067	65,674	1
19,831	20,079	20,264	20,596	20,887	20,897	21,104	137,396	139,163	141,558	142,453	143,895	144,956	146,386	60,828	61,412	62,412	62,773	63,499	63,653	64,157	2
12	11	9	10	11	15	16	729	1,365	656	821	966	997	978	1,099	996	879	913	966	1,414	1,517	3
15,120	15,432	15,555	15,890	16,174	16,112	16,270	97,122	98,543	99,360	100,277	101,631	102,267	103,325	42,125	42,351	42,861	43,167	43,780	44,142	44,493	4
789	819	823	841	854	854	861	6,008	6,140	6,228	6,276	6,338	6,411	6,468	2,752	2,814	2,852	2,871	2,904	2,915	2,928	5
-950	-1,156	-1,165	-1,189	-1,210	-1,203	-1,213	439	586	585	593	603	615	617	-334	-485	-498	-504	-521	-505	-506	6
13,381	13,466	13,567	13,860	14,111	14,055	14,196	91,553	92,989	93,717	94,594	95,896	96,471	97,474	39,039	39,052	39,511	39,792	40,355	40,722	41,059	7
3,259	3,264	3,302	3,300	3,298	3,305	26,777	26,875	27,466	27,372	27,221	27,181	27,193	11,075	11,102	11,283	11,269	11,246	11,236	11,267	11,267	8
3,203	3,371	3,403	3,446	3,490	3,561	3,619	19,795	20,663	21,032	21,309	21,764	22,301	22,697	11,813	12,254	12,497	12,626	12,864	13,109	13,348	9
115	192	185	189	171	182	187	415	559	612	574	540	593	567	359	429	511	478	467	463	466	10
3,088	3,179	3,218	3,258	3,319	3,379	3,432	19,380	20,105	20,420	20,735	21,224	21,709	22,130	11,454	11,825	11,986	12,147	12,398	12,646	12,861	11
11,454	11,631	11,684	11,906	12,088	12,001	12,085	78,738	78,937	80,047	80,470	81,215	81,553	82,208	32,762	32,843	33,272	33,412	33,782	33,658	33,786	12
1,827	1,924	1,960	2,035	2,088	2,111	2,137	8,499	8,721	8,973	9,198	9,453	9,571	9,722	4,086	4,202	4,318	4,402	4,531	4,569	4,610	13
1,839	1,877	1,911	1,949	1,999	2,001	2,048	9,885	10,885	10,339	10,609	10,964	11,144	11,395	5,278	5,307	5,271	5,353	5,467	5,914	6,097	14
5	5	2	3	4	8	8	377	997	266	446	607	607	577	806	701	583	612	662	1,102	1,196	15
1,834	1,872	1,908	1,946	1,995	1,993	2,040	9,508	9,888	10,053	10,163	10,357	10,537	10,818	4,472	4,606	4,688	4,741	4,805	4,812	4,901	16
12	11	9	10	11	15	16	729	1,365	656	821	986	997	978	1,099	996	879	913	966	1,414	1,517	17
15,109	15,421	15,546	15,880	16,164	16,097	16,254	96,393	97,178	98,704	99,456	100,646	101,270	102,347	41,026	41,355	41,981	42,254	42,814	42,727	42,976	18
10,355	10,483	10,534	10,715	10,996	10,837	10,944	79,784	80,267	81,346	81,832	82,816	83,139	83,858	33,675	33,853	34,312	34,649	35,027	34,752	34,928	19
(D)	(D)	(D)	(D)	(D)	(D)	(D)	296	295	309	328	325	325	330	372	377	380	396	401	390	403	20
129	139	144	144	148	154	158	834	862	876	880	904	847	878	407	426	442	438	439	449	467	21
1,173	1,194	1,241	1,297	1,373	1,255	1,305	8,110	8,544	8,354	8,406	8,516	8,751	8,945	2,607	2,695	2,728	2,734	2,717	2,526	2,519	23
519	506	477	484	502	526	501	10,808	10,356	10,408	10,372	10,295	9,987	9,927	7,675	7,618	7,678	7,669	7,653	7,604	7,576	24
(D)	(D)	(D)	(D)	(D)	(D)	(D)	9,336	8,944	9,005	8,972	8,878	8,521	8,455	4,235	4,273	4,319	4,283	4,273	4,227	4,189	25
(D)	(D)	(D)	(D)	(D)	(D)	(D)	1,473	1,412	1,403	1,400	1,417	1,465	1,472	3,440	3,344	3,359	3,386	3,380	3,377	3,388	26
289	298	294	295	300	296	289	5,262	5,238	5,349	5,325	5,294	5,336	5,394	1,985	2,008	2,032	2,057	2,059	2,069	2,060	27
980	1,006	1,015	1,039	1,048	1,065	1,053	7,919	7,972	8,114	8,201	8,207	8,374	8,392	2,986	3,014	3,056	3,095	3,105	3,120	3,130	28
1,037	1,046	1,050	1,096	1,081	1,070	1,054	2,957	2,950	2,975	3,033	3,103	3,069	3,048	2,360	2,396	2,414	2,486	2,487	2,435	2,444	29
456	456	456	457	457	437	440	2,986	2,819	2,848	2,803	2,917	2,831	2,802	1,268	1,272	1,299	1,276	1,293	1,323	1,329	30
423	418	424	423	444	480	498	6,544	6,401	6,633	6,599	6,997	6,989	7,132	1,638	1,572	1,656	1,676	1,735	1,676	1,725	31
180	186	186	190	196	199	205	2,431	2,509	2,593	2,605	2,729	2,640	2,762	512	523	533	544	565	538	559	32
796	798	804	807	826	825	834	7,124	7,116	7,244	7,383	7,234	7,237	7,245	1,876	1,774	1,821	1,858	1,876	1,941	1,954	33
160	158	158	160	172	82	86	1,177	1,313	1,283	1,242	1,263	1,413	1,437	1,452	1,520	1,492	1,508	1,648	1,531	1,541	34
390	405	403	406	402	394	391	5,528	5,682	5,739	5,764	5,773	5,729	5,765	1,053	1,098	1,112	1,128	1,137	1,134	1,142	35
79	87	89	90	95	90	91	856	882	922	947	1,003	1,031	1,055	239	240	244	245	254	255	251	36
1,177	1,203	1,237	1,291	1,332	1,414	1,476	8,561	8,789	9,040	9,254	9,459	9,725	9,890	4,306	4,366	4,456	4,544	4,643	4,725	4,779	37
168	172	173	175	177	182	180	1,236	1,241	1,275	1,276	1,288	1,248	1,199	208	215	216	219	217	221	216	38
618	649	656	663	672	710	719	3,963	4,084	4,132	4,186	4,246	4,284	4,307	1,188	1,217	1,220	1,239	1,248	1,265	1,271	39
(D)	(D)	(D)	(D)	(D)	(D)	(D)	2,581	2,628	2,658	2,655	2,683	2,694	2,732	1,252	1,261	1,268	1,270	1,281	1,281	1,284	40
4,754	4,937	5,012	5,165	5,168	5,260	5,310	16,610	16,912	17,358	17,624	17,830	18,131	18,489	7,351	7,502	7,670	7,605	7,787	7,975	8,048	41
1,146	1,198	1,196	1,219	1,249	1,261	1,268	3,142	3,270	3,337	3,389	3,515	3,583	3,724	1,296	1,343	1,358	1,375	1,404	1,453	1,461	42
1,042	1,170	1,187	1,206	1,203	1,296	1,329	1,315	1,452	1,475	1,503	1,506	1,664	1,716	509	549	557	560	550	597	617	43
2,566	2,569	2,629	2,740	2,716	2,703	2,713	12,152	12,190	12,545	12,731	12,809	12,885	13,049	5,546	5,610	5,755	5,670	5,834	5,925	5,970	44

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Table 2. Personal Income by Major Source
(Millions of dollars,

Line	Item	California						Colorado							
		2001		2002			2003		2001		2002			2003	
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4–11).....	1,128,075	1,138,401	1,152,672	1,160,385	1,169,530	1,177,337	1,184,478	147,475	147,880	149,421	149,961	150,665	151,128	152,390
2	Nonfarm personal income.....	1,121,488	1,129,969	1,145,865	1,152,746	1,161,795	1,168,329	1,174,604	146,763	147,198	148,786	149,303	149,979	150,334	151,545
3	Farm income (line 17).....	6,587	8,432	6,807	7,639	7,735	9,008	9,873	712	682	635	658	686	794	845
Derivation of personal income															
4	Earnings by place of work (lines 12–16 or 17–44).....	824,785	828,653	834,180	838,729	848,114	855,137	859,982	113,546	113,386	113,957	114,415	115,046	115,240	116,199
5	Less: Personal contributions for social insurance ²	48,083	48,932	49,216	49,407	49,862	50,461	50,581	6,169	6,257	6,266	6,286	6,301	6,336	6,373
6	Plus: Adjustment for residence ³	223	329	337	358	364	367	387	122	108	112	114	117	122	123
7	Equals: Net earnings by place of residence.....	776,924	780,050	785,301	789,680	798,616	805,044	809,789	107,498	107,236	107,803	108,244	108,862	109,025	109,950
8	Plus: Dividends, interest, and rent ⁴	212,070	213,170	218,621	217,255	215,050	214,662	213,799	26,577	26,699	27,276	27,230	27,133	27,134	27,196
9	Plus: Transfer payments.....	139,081	145,181	148,750	153,449	155,864	157,631	160,890	13,399	13,944	14,342	14,487	14,670	14,969	15,245
10	State unemployment insurance benefits.....	4,350	6,223	7,952	10,813	10,377	9,316	10,117	480	642	873	852	777	820	874
11	Transfers excluding State unemployment insurance benefits.....	134,731	138,958	140,798	142,636	145,487	148,316	150,773	12,919	13,302	13,468	13,835	13,893	14,149	14,371
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	640,782	638,577	642,158	643,080	648,558	651,611	652,561	87,218	86,601	86,706	86,767	86,922	86,768	87,188
13	Other labor income.....	69,709	70,972	72,475	74,153	75,949	76,839	77,349	10,496	10,746	10,935	11,177	11,415	11,507	11,582
14	Proprietors' income ⁵	114,294	119,104	119,547	121,497	123,607	126,687	130,072	15,832	16,038	16,315	16,472	16,710	16,965	17,429
15	Farm proprietors' income.....	1,367	3,111	1,451	2,206	2,243	3,361	4,072	331	284	234	252	275	372	411
16	Nonfarm proprietors' income.....	112,927	115,993	118,096	119,291	121,364	123,326	126,000	15,501	15,754	16,081	16,220	16,434	16,593	17,017
Earnings by industry															
17	Farm earnings.....	6,587	8,432	6,807	7,639	7,735	9,008	9,873	712	682	635	658	686	794	845
18	Nonfarm earnings.....	818,198	820,221	827,373	831,091	840,378	846,129	850,109	112,834	112,704	113,322	113,758	114,360	114,445	115,354
19	Private earnings.....	687,326	687,719	692,257	692,861	700,440	704,873	708,575	95,409	94,700	95,029	95,150	95,365	95,137	96,068
20	Forestry, fishing, related activities, and other ⁶	4,005	4,233	4,305	4,429	4,489	4,713	4,605	133	140	137	140	140	146	145
21	Mining.....	2,152	2,073	1,961	1,966	1,931	1,968	2,033	1,691	1,747	1,673	1,679	1,644	1,700	1,805
22	Utilities.....	7,587	7,634	7,784	7,992	7,908	8,523	8,386	1,152	1,157	1,158	1,146	1,165	1,115	1,163
23	Construction.....	51,561	52,837	52,831	52,685	53,623	55,101	55,967	9,855	9,713	9,830	9,752	9,558	9,398	9,440
24	Manufacturing.....	101,893	99,290	98,135	96,629	95,952	96,826	96,930	9,799	9,548	9,573	9,466	9,234	9,358	9,237
25	Durable goods.....	73,755	72,446	71,241	70,112	69,445	68,958	68,877	7,145	7,021	7,027	6,949	6,765	6,807	6,685
26	Nondurable goods.....	28,138	26,843	26,894	26,516	26,507	27,867	28,053	2,654	2,527	2,545	2,517	2,469	2,550	2,552
27	Wholesale trade.....	38,200	38,601	38,807	39,038	39,102	39,429	39,573	5,816	5,789	5,836	5,799	5,648	5,722	5,747
28	Retail trade.....	55,174	56,077	56,738	57,120	57,140	58,146	58,412	7,258	7,278	7,323	7,349	7,319	7,362	7,342
29	Transportation and warehousing.....	22,226	21,991	22,378	22,665	22,723	22,611	22,415	3,267	3,249	3,290	3,335	3,346	3,246	3,211
30	Information.....	49,653	48,821	48,302	47,693	48,833	48,495	48,647	9,644	9,315	9,220	9,138	9,314	8,811	8,788
31	Finance and insurance.....	53,759	53,417	54,780	55,663	56,719	54,589	56,249	7,596	7,459	7,367	7,552	7,847	7,775	8,113
32	Real estate and rental and leasing.....	16,828	17,187	17,983	18,067	18,439	18,513	19,263	2,789	2,837	2,928	2,942	2,994	3,033	3,175
33	Professional and technical services.....	95,569	93,019	92,745	91,689	92,943	94,451	94,361	12,348	12,022	11,857	11,777	11,766	11,865	12,134
34	Management of companies and enterprises.....	20,186	19,424	19,740	19,640	19,741	18,846	18,988	1,523	1,468	1,526	1,520	1,721	1,700	1,705
35	Administrative and waste services.....	34,042	35,459	35,257	35,197	35,496	35,716	35,572	4,774	4,941	4,927	4,883	4,806	4,817	4,906
36	Educational services.....	8,618	8,833	9,099	9,234	9,526	9,823	9,735	830	816	821	844	868	899	888
37	Health care and social assistance.....	60,603	62,137	63,654	65,082	66,761	66,928	67,719	8,009	8,140	8,395	8,604	8,775	8,900	9,002
38	Arts, entertainment, and recreation.....	13,483	13,607	13,790	13,890	14,367	14,239	13,862	1,773	1,858	1,833	1,860	1,864	1,839	1,826
39	Accommodation and food services.....	27,877	28,709	29,376	29,496	29,762	30,053	30,063	4,046	4,098	4,166	4,182	4,178	4,289	4,289
40	Other services, except public administration.....	23,912	24,368	24,592	24,685	24,986	25,905	25,794	3,105	3,124	3,170	3,183	3,177	3,160	3,173
41	Government and government enterprises.....	130,872	132,502	135,116	138,229	139,938	141,256	141,534	17,425	18,004	18,293	18,608	18,995	19,308	19,286
42	Federal, civilian.....	17,377	17,978	18,197	18,589	19,032	19,686	19,990	3,598	3,760	3,743	3,791	3,910	4,054	4,028
43	Military.....	9,395	10,420	10,653	10,835	10,892	11,942	12,326	1,800	2,004	2,059	2,085	2,084	2,243	2,310
44	State and local.....	104,100	104,104	106,265	106,805	110,014	109,628	109,217	12,027	12,239	12,491	12,731	13,021	13,010	12,948

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II ¹—Continued
 seasonally adjusted at annual rates)

Connecticut						Delaware						District of Columbia						Line					
2001		2002				2003		2001		2002				2003		2001			2002				2003
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV		
144,542	147,269	148,249	148,840	148,486	150,562	151,432	25,780	25,929	26,090	26,175	26,143	26,870	27,146	23,305	24,204	24,677	24,768	25,393	25,012	25,271	1		
144,354	147,105	148,097	148,682	148,324	150,349	151,226	25,612	25,872	26,033	26,118	26,085	26,714	26,978	23,305	24,204	24,677	24,768	25,393	25,012	25,271	2		
189	164	152	158	162	213	206	167	57	57	57	59	156	168	0	0	0	0	0	0	0	3		
100,655	101,794	101,631	102,288	101,707	103,890	104,419	20,122	20,373	20,305	20,372	20,242	21,062	21,305	49,224	50,390	51,382	51,513	52,757	51,752	52,132	4		
5,856	6,024	5,991	6,032	5,975	6,154	6,172	1,222	1,270	1,261	1,265	1,253	1,310	1,323	2,561	2,647	2,697	2,700	2,768	2,706	2,724	5		
6,289	7,425	7,560	7,492	7,513	7,335	7,406	-1,430	-1,634	-1,615	-1,612	-1,576	-1,680	-1,701	-30,830	-31,150	-31,723	-31,765	-32,309	-31,769	-31,904	6		
101,089	103,195	103,200	103,748	103,245	105,072	105,653	17,470	17,469	17,430	17,495	17,412	18,072	18,281	15,833	16,593	16,963	17,048	17,680	17,277	17,504	7		
27,296	27,372	27,900	27,837	27,739	27,701	27,759	5,086	5,103	5,211	5,190	5,157	5,147	5,144	4,553	4,561	4,641	4,627	4,608	4,597	4,603	8		
16,157	16,702	17,149	17,255	17,502	17,789	18,021	3,224	3,357	3,449	3,490	3,574	3,651	3,721	2,919	3,051	3,073	3,093	3,105	3,138	3,164	9		
621	800	1,088	1,034	1,035	1,077	1,096	104	127	171	165	175	179	185	97	168	164	157	127	120	111	10		
15,536	15,902	16,062	16,221	16,468	16,712	16,925	3,120	3,230	3,277	3,325	3,399	3,472	3,536	2,822	2,883	2,910	2,936	2,977	3,018	3,053	11		
80,094	80,636	80,185	80,534	79,716	81,511	81,678	16,591	16,875	16,749	16,765	16,591	17,223	17,381	39,081	39,802	40,553	40,495	41,493	40,271	40,495	12		
8,683	8,905	9,003	9,211	9,295	9,519	9,563	1,926	2,006	2,036	2,074	2,097	2,171	2,201	7,240	7,637	7,825	7,977	8,174	8,356	8,463	13		
11,879	12,252	12,443	12,543	12,695	12,861	13,178	1,606	1,493	1,519	1,533	1,554	1,668	1,723	2,903	2,951	3,005	3,041	3,090	3,124	3,174	14		
54	25	12	16	19	65	54	127	15	14	14	15	112	122	0	0	0	0	0	0	0	15		
11,825	12,227	12,431	12,527	12,676	12,795	13,124	1,479	1,478	1,505	1,519	1,539	1,556	1,601	2,903	2,951	3,005	3,041	3,090	3,124	3,174	16		
189	164	152	158	162	213	206	167	57	57	57	59	156	168	0	0	0	0	0	0	0	17		
100,467	101,629	101,478	102,130	101,544	103,677	104,213	19,955	20,316	20,248	20,315	20,184	20,906	21,137	49,224	50,390	51,382	51,513	52,757	51,752	52,132	18		
87,402	88,458	88,029	88,586	87,794	89,882	90,431	17,211	17,505	17,214	17,399	17,013	17,906	18,079	29,788	29,951	30,532	30,860	31,633	29,850	29,964	19		
36	38	38	39	39	41	40	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	20		
115	111	113	114	116	114	120	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	21		
1,047	995	1,072	1,073	1,080	1,025	1,080	210	203	203	285	213	200	207	(D)	(D)	(D)	(D)	(D)	(D)	(D)	22		
5,217	5,303	5,201	5,112	4,969	4,900	4,974	1,189	1,228	1,198	1,187	1,145	1,154	1,200	659	686	711	757	804	822	833	23		
14,388	14,287	14,212	14,110	13,791	13,788	13,762	2,054	2,324	2,286	2,328	2,315	2,272	2,324	258	232	221	221	210	196	198	24		
10,144	10,242	10,277	10,156	10,000	9,934	9,879	930	939	1,015	1,003	951	948	954	117	113	101	97	94	88	88	25		
4,244	4,045	3,934	3,954	3,791	3,854	3,883	1,124	1,386	1,271	1,325	1,364	1,325	1,370	141	119	120	125	116	108	109	26		
4,614	5,196	5,035	4,988	4,595	5,348	5,354	785	820	813	839	844	966	877	318	304	305	316	338	346	349	27		
6,369	6,485	6,413	6,585	6,480	6,532	6,530	1,272	1,302	1,319	1,337	1,335	1,357	1,358	512	525	522	521	527	523	529	28		
1,805	1,838	1,869	1,865	1,832	1,864	1,885	434	433	433	437	428	427	421	(D)	(D)	(D)	(D)	(D)	(D)	(D)	29		
3,473	3,474	3,400	3,496	3,467	3,474	3,487	574	569	580	582	556	563	567	(D)	(D)	(D)	(D)	(D)	(D)	(D)	30		
14,642	14,600	14,763	14,943	14,982	15,466	15,930	2,091	2,320	2,225	2,251	2,089	3,141	3,243	1,975	2,047	2,113	1,933	1,970	2,073	2,129	31		
1,580	1,633	1,668	1,667	1,709	1,674	1,737	274	282	276	281	285	287	289	623	642	646	635	650	676	711	32		
9,895	9,773	9,767	9,725	9,628	9,695	9,664	2,495	2,446	2,398	2,333	2,451	2,279	2,317	10,728	10,841	11,009	11,115	11,422	9,788	9,806	33		
3,358	3,298	2,877	3,018	3,113	3,561	3,357	1,969	1,672	1,541	1,511	1,265	1,106	1,120	379	266	303	477	321	227	225	34		
3,353	3,512	3,393	3,430	3,325	3,413	3,438	643	640	638	625	617	626	638	1,367	1,411	1,427	1,449	1,419	1,389	1,428	35		
2,027	2,099	2,144	2,185	2,237	2,305	2,314	177	182	182	209	204	208	212	1,530	1,582	1,561	1,597	1,640	1,750	1,511	36		
9,892	10,063	10,260	10,452	10,680	10,841	10,927	1,814	1,833	1,908	1,923	1,972	2,029	2,044	2,536	2,572	2,670	2,737	2,754	2,783	2,819	37		
904	899	925	914	873	914	874	197	205	214	217	222	220	204	346	330	336	324	354	330	316	38		
2,368	2,446	2,461	2,473	2,500	2,502	2,516	524	538	541	548	553	542	526	(D)	(D)	(D)	(D)	(D)	(D)	(D)	39		
2,320	2,409	2,420	2,397	2,376	2,426	2,443	480	481	490	497	490	499	502	3,155	3,165	3,212	3,251	3,297	3,268	3,306	40		
13,065	13,171	13,449	13,545	13,750	13,796	13,783	2,744	2,811	3,034	2,916	3,171	3,000	3,058	19,436	20,439	20,851	20,653	21,124	21,902	22,168	41		
1,410	1,452	1,457	1,480	1,532	1,556	1,564	351	368	374	387	391	406	405	16,171	16,921	17,070	17,241	17,398	18,202	18,485	42		
564	624	631	640	624	680	683	285	314	323	331	330	361	368	1,264	1,406	1,420	1,448	1,445	1,550	1,576	43		
11,091	11,095	11,362	11,425	11,594	11,560	11,536	2,108	2,130	2,337	2,198	2,450	2,234	2,285	2,002	2,112	2,361	1,964	2,281	2,150	2,107	44		

Table 2. Personal Income by Major Source
[Millions of dollars,

Line	Item	Florida						Georgia							
		2001		2002		2003		2001		2002		2003			
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	478,882	485,611	493,048	495,859	501,588	505,471	511,032	241,046	243,028	245,628	246,123	248,050	253,428	255,829
2	Nonfarm personal income.....	476,827	483,188	491,289	493,992	499,456	503,215	508,541	239,113	241,328	244,659	244,886	246,770	251,755	253,973
3	Farm income (line 17).....	2,055	2,423	1,759	1,867	2,132	2,256	2,492	1,933	1,700	969	1,237	1,280	1,673	1,856
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44).....	298,174	302,066	306,239	308,569	313,267	315,764	319,825	183,888	184,467	185,512	185,824	187,453	192,650	194,489
5	Less: Personal contributions for social insurance ²	18,717	19,215	19,489	19,633	19,878	20,136	20,356	10,581	10,804	10,884	10,876	10,946	11,311	11,387
6	Plus: Adjustment for residence ³	1,008	1,065	1,068	1,064	1,057	1,069	1,066	-499	-321	-319	-302	-309	-355	-365
7	Equals: Net earnings by place of residence.....	280,464	283,916	287,818	290,000	294,445	296,687	300,535	172,809	173,342	174,308	174,646	176,197	180,984	182,736
8	Plus: Dividends, interest, and rent ⁴	123,118	123,572	125,664	125,574	125,321	125,366	125,702	39,543	39,752	40,712	40,570	40,310	40,292	40,282
9	Plus: Transfer payments.....	75,300	78,123	79,566	80,285	81,822	83,408	84,796	28,695	29,934	30,608	30,908	31,543	32,152	32,810
10	State unemployment insurance benefits.....	1,368	1,859	2,287	1,990	1,954	1,978	2,010	783	1,064	1,321	1,204	1,193	1,161	1,263
11	Transfers excluding State unemployment insurance benefits.....	73,931	76,264	77,280	78,294	79,868	81,429	82,785	27,912	28,870	29,287	29,703	30,350	30,991	31,548
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	240,485	242,050	245,452	246,662	249,569	250,984	253,488	144,400	144,504	145,552	145,086	145,924	149,692	150,560
13	Other labor income.....	28,282	29,227	30,030	30,753	31,708	32,166	32,590	17,705	18,204	18,606	18,924	19,369	19,984	20,160
14	Proprietors' income ⁵	29,406	30,789	30,757	31,154	31,990	32,615	33,747	21,784	21,759	21,354	21,814	22,161	22,994	23,769
15	Farm proprietors' income.....	789	1,173	501	590	842	929	1,129	1,559	1,322	599	862	901	1,283	1,455
16	Nonfarm proprietors' income.....	28,618	29,616	30,257	30,563	31,148	31,685	32,619	20,225	20,438	20,755	20,952	21,259	21,710	22,314
Earnings by industry															
17	Farm earnings.....	2,055	2,423	1,759	1,867	2,132	2,256	2,492	1,933	1,700	969	1,237	1,280	1,673	1,856
18	Nonfarm earnings.....	296,119	299,644	304,481	306,703	311,135	313,508	317,333	181,955	182,768	184,543	184,587	186,173	190,977	192,633
19	Private earnings.....	247,602	249,897	253,889	255,686	258,584	259,881	263,182	152,339	152,114	153,411	153,113	154,161	158,182	159,466
20	Forestry, fishing, related activities, and other ⁶	1,194	1,223	1,230	1,273	1,257	1,261	1,290	580	553	558	581	557	585	586
21	Mining.....	436	390	407	396	407	385	403	456	460	440	441	442	475	493
22	Utilities.....	2,939	3,115	3,101	3,098	3,040	3,056	3,182	2,360	2,395	2,414	2,312	2,397	2,553	2,645
23	Construction.....	20,607	20,704	21,023	21,010	21,432	22,154	23,053	11,268	11,295	11,170	11,103	11,053	11,674	12,287
24	Manufacturing.....	19,292	19,246	19,512	19,374	19,261	19,151	19,068	21,135	20,938	20,972	20,690	20,680	21,192	20,765
25	Durable goods.....	13,236	13,515	13,640	13,493	13,385	13,275	13,234	9,762	9,808	9,860	9,618	9,614	10,145	9,992
26	Nondurable goods.....	6,055	5,731	5,872	5,880	5,875	5,876	5,834	11,373	11,130	11,112	11,072	11,066	11,047	10,772
27	Wholesale trade.....	16,484	16,594	16,856	16,826	16,815	16,804	17,066	12,595	12,381	12,665	12,570	12,484	12,739	12,559
28	Retail trade.....	25,126	25,069	25,389	25,753	25,873	26,023	26,070	12,257	12,416	12,492	12,526	12,528	12,847	12,807
29	Transportation and warehousing.....	9,421	9,284	9,498	9,609	9,530	9,645	9,653	8,741	8,560	8,638	8,593	8,669	9,163	8,953
30	Information.....	11,039	10,718	10,645	10,594	10,922	10,787	10,844	12,611	12,132	12,210	12,106	12,260	12,395	12,513
31	Finance and insurance.....	19,744	19,787	20,162	20,484	20,977	20,832	21,640	10,580	10,525	10,703	10,734	10,981	11,077	11,323
32	Real estate and rental and leasing.....	7,500	7,860	8,059	8,257	8,522	8,527	8,874	3,372	3,455	3,559	3,571	3,611	3,693	3,932
33	Professional and technical services.....	25,409	25,153	25,568	25,955	26,194	26,104	26,059	15,934	15,756	15,995	15,829	15,935	16,548	16,922
34	Management of companies and enterprises.....	4,225	4,381	4,682	4,607	4,830	4,469	4,596	5,281	5,204	5,042	5,018	5,004	4,541	4,630
35	Administrative and waste services.....	20,983	22,278	22,639	22,034	21,999	22,537	22,921	7,455	7,752	7,809	7,846	7,794	8,350	8,499
36	Educational services.....	2,891	2,887	2,957	3,082	3,164	3,123	3,159	2,016	2,041	2,079	2,167	2,278	2,430	2,314
37	Health care and social assistance.....	31,541	31,811	32,343	33,273	33,889	34,541	34,797	13,798	14,048	14,412	14,793	14,974	15,318	15,471
38	Arts, entertainment, and recreation.....	6,246	6,309	6,391	6,402	6,560	6,488	6,341	1,427	1,583	1,425	1,409	1,514	1,500	1,485
39	Accommodation and food services.....	13,016	13,481	13,715	13,858	14,034	14,162	14,280	5,646	5,749	5,876	5,860	5,984	6,055	6,073
40	Other services, except public administration.....	9,510	9,606	9,713	9,804	9,879	9,839	9,885	4,827	4,869	4,951	4,963	5,019	5,047	5,211
41	Government and government enterprises.....	48,517	49,747	50,591	51,017	52,551	53,618	54,151	29,616	30,654	31,132	31,474	32,011	32,795	33,167
42	Federal, civilian.....	7,973	8,331	8,390	8,494	8,875	9,256	9,317	6,189	6,503	6,600	6,639	6,815	6,983	7,031
43	Military.....	4,736	5,314	5,387	5,457	5,451	5,882	5,979	3,961	4,393	4,450	4,478	4,446	4,843	5,020
44	State and local.....	35,809	36,102	36,815	37,065	38,225	38,480	38,855	19,466	19,757	20,081	20,357	20,750	20,969	21,116

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II ¹—Continued
 seasonally adjusted at annual rates]

Hawaii						Idaho						Illinois						Line									
2001		2002				2003		2001		2002				2003		2001			2002				2003				
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III		IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II^{p}
35,766	36,757	37,244	37,570	38,016	38,720	39,111	32,507	33,294	33,221	33,695	34,129	34,545	34,922	412,582	415,157	420,863	420,922	422,491	423,805	425,211	1						
35,576	36,557	37,045	37,367	37,811	38,494	38,877	31,539	31,969	32,456	32,774	33,089	33,379	33,727	411,579	413,859	420,450	420,434	421,617	422,745	424,047	2						
190	199	200	203	205	227	234	968	1,325	765	920	1,040	1,166	1,195	1,003	1,298	413	488	874	1,060	1,163	3						
25,712	26,605	26,948	27,318	27,795	28,471	28,801	22,779	23,304	23,022	23,454	23,805	24,143	24,349	298,745	299,445	302,435	302,286	303,265	304,115	304,274	4						
1,444	1,519	1,534	1,555	1,580	1,627	1,645	1,324	1,354	1,367	1,385	1,395	1,417	1,424	17,219	17,505	17,697	17,666	17,647	17,785	17,741	5						
0	0	0	0	0	0	0	418	469	476	478	479	479	488	-1,205	-910	-955	-890	-840	-804	-740	6						
24,268	25,086	25,414	25,763	26,215	26,844	27,157	21,873	22,418	22,132	22,547	22,889	23,205	23,414	280,320	281,030	283,783	283,729	284,778	285,526	285,793	7						
6,979	7,003	7,120	7,100	7,064	7,059	7,054	6,106	6,127	6,227	6,224	6,215	6,218	6,238	83,714	84,014	85,462	85,425	85,293	85,321	85,608	8						
4,518	4,667	4,710	4,707	4,737	4,817	4,900	4,528	4,749	4,863	4,923	5,024	5,122	5,271	48,548	50,113	51,617	51,767	52,420	52,958	53,810	9						
225	269	266	218	177	186	208	199	251	291	278	265	250	300	2,418	2,913	3,951	3,635	3,565	3,387	3,616	10						
4,293	4,398	4,444	4,490	4,560	4,631	4,692	4,329	4,498	4,572	4,645	4,759	4,872	4,970	46,130	47,200	47,666	48,132	48,855	49,571	50,194	11						
19,880	20,490	20,696	20,926	21,251	21,721	21,938	16,807	16,867	17,020	17,197	17,313	17,457	17,528	239,026	238,009	240,564	239,556	239,141	239,274	238,454	12						
3,045	3,253	3,324	3,420	3,524	3,674	3,718	2,008	2,077	2,119	2,180	2,220	2,247	2,268	27,051	27,504	28,190	28,540	28,971	29,194	29,242	13						
2,788	2,861	2,928	2,973	3,020	3,076	3,145	3,964	4,359	3,883	4,076	4,272	4,439	4,553	32,668	33,932	33,882	34,190	35,154	35,648	36,577	14						
-1	2	1	1	2	17	19	588	928	366	516	632	746	763	574	867	-22	47	429	603	693	15						
2,789	2,859	2,927	2,971	3,018	3,059	3,126	3,376	3,431	3,517	3,561	3,640	3,693	3,790	32,095	33,065	33,703	34,143	34,725	35,045	35,884	16						
190	199	200	203	205	227	234	968	1,325	765	920	1,040	1,166	1,195	1,003	1,298	413	488	874	1,060	1,163	17						
25,522	26,405	26,748	27,115	27,590	28,245	28,567	21,812	21,979	22,257	22,534	22,764	22,977	23,154	297,743	298,147	302,023	301,798	302,391	303,055	303,110	18						
17,736	18,197	18,415	18,759	19,084	19,260	19,580	17,654	17,685	17,960	18,158	18,405	18,537	18,692	256,776	256,424	259,602	259,783	259,753	259,742	259,611	19						
47	48	48	50	51	52	52	278	290	296	310	316	319	319	246	251	251	260	263	260	266	20						
51	49	50	51	51	55	58	148	140	144	145	144	154	154	1,574	1,515	1,518	1,536	1,563	1,547	1,641	21						
204	203	211	212	211	219	227	222	355	235	245	232	225	232	2,735	2,824	2,866	2,729	2,635	2,564	2,683	22						
1,589	1,636	1,736	1,812	1,832	1,839	1,901	2,061	1,983	2,064	2,084	2,154	2,155	2,206	18,854	18,874	18,792	19,284	19,456	19,083	18,821	23						
633	615	622	616	615	599	618	2,955	2,953	3,120	3,061	3,077	3,043	3,015	40,499	40,276	40,495	40,481	39,701	39,773	39,643	24						
(D)	(D)	(D)	(D)	(D)	(D)	(D)	2,002	2,064	2,240	2,175	2,189	2,146	2,106	25,143	24,951	25,064	25,013	24,688	24,490	24,375	25						
(D)	(D)	(D)	(D)	(D)	(D)	(D)	953	890	886	886	888	896	909	15,357	15,325	15,430	15,468	15,013	15,283	15,268	26						
724	746	743	764	757	788	807	1,048	1,014	1,035	1,077	1,066	1,038	1,040	19,250	19,056	19,190	19,348	19,078	19,278	19,262	27						
1,875	1,883	1,921	1,947	2,009	2,031	2,046	1,913	1,928	1,954	1,969	1,976	2,035	2,039	17,528	17,753	17,626	17,783	17,898	17,627	17,671	28						
1,081	1,060	1,078	1,107	1,117	1,140	1,161	666	658	663	666	670	677	683	11,868	11,518	11,803	11,958	11,898	11,840	11,737	29						
866	873	857	859	884	874	896	400	384	381	373	392	402	409	10,700	10,427	10,600	10,513	10,543	10,375	10,307	30						
943	1,123	946	980	1,003	979	1,017	852	856	880	899	925	943	988	26,981	26,592	27,232	27,014	27,107	26,846	27,565	31						
629	637	662	665	691	709	743	324	329	340	346	355	350	372	5,204	5,208	5,864	5,434	5,455	5,345	5,395	32						
1,667	1,692	1,707	1,749	1,775	1,802	1,837	1,761	1,768	1,739	1,766	1,773	1,862	1,905	33,635	33,403	33,668	33,311	33,633	33,534	33,509	33						
414	444	458	437	477	441	450	571	542	543	539	563	469	477	7,342	7,260	7,657	7,451	7,306	7,412	7,454	34						
1,024	1,060	1,106	1,140	1,168	1,181	1,194	715	752	764	791	794	858	838	11,639	11,891	12,045	11,902	11,757	12,134	11,801	35						
382	382	388	393	406	423	424	156	163	159	164	179	184	179	4,028	4,043	4,164	4,205	4,303	4,422	4,345	36						
2,302	2,297	2,362	2,372	2,397	2,468	2,485	1,994	2,019	2,049	2,123	2,134	2,183	2,208	25,045	25,288	25,794	26,309	26,738	27,133	27,236	37						
310	317	323	328	339	329	325	273	220	251	243	284	252	238	2,949	3,324	3,041	3,088	3,097	3,224	3,015	38						
2,213	2,347	2,401	2,480	2,494	2,511	2,515	719	734	739	750	757	775	775	8,057	8,124	8,179	8,295	8,407	8,407	8,382	39						
780	785	795	799	808	818	825	598	605	607	613	614	614	616	8,645	8,794	8,817	8,884	8,915	8,938	8,880	40						
7,786	8,208	8,333	8,356	8,506	8,985	8,988	4,158	4,294	4,296	4,376	4,360	4,439	4,462	40,967	41,723	42,421	42,015	42,638	43,313	43,499	41						
1,922	2,018	2,047	2,092	2,174	2,246	2,265	808	834	851	871	876	877	890	6,156	6,356	6,341	6,367	6,550	6,734	6,800	42						
2,584	2,854	2,882	2,918	2,903	3,164	3,194	310	348	353	349	337	361	371	2,070	2,208	2,175	2,062	1,960	2,140	2,132	43						
3,279	3,336	3,405	3,347	3,429	3,575	3,529	3,039	3,111	3,092	3,156	3,146	3,201	3,201	32,741	33,159	33,904	33,585	34,128	34,439	34,568	44						

Table 2. Personal Income by Major Source
 [Millions of dollars,

Line	Item	Indiana						Iowa							
		2001		2002			2003		2001		2002			2003	
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	168,955	171,072	173,169	174,777	176,538	177,028	178,136	80,093	81,814	82,375	82,803	83,577	84,767	85,778
2	Nonfarm personal income.....	168,312	170,452	173,250	174,722	176,284	176,704	177,761	78,794	79,405	80,471	80,679	81,237	82,201	82,783
3	Farm income (line 17).....	643	620	-80	55	254	325	376	1,299	2,409	1,904	2,124	2,340	2,566	2,995
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	117,587	118,186	119,196	120,663	121,914	121,901	122,229	55,132	56,721	56,789	57,090	57,715	58,786	59,495
5	Less: Personal contributions for social insurance ²	7,366	7,511	7,610	7,697	7,749	7,778	7,781	3,557	3,651	3,679	3,685	3,703	3,785	3,801
6	Plus: Adjustment for residence ³	3,339	3,984	4,028	4,014	4,019	4,066	4,057	544	382	386	409	402	408	408
7	Equals: Net earnings by place of residence.....	113,560	114,660	115,614	116,980	118,184	118,188	118,504	52,118	53,452	53,496	53,814	54,415	55,408	56,102
8	Plus: Dividends, interest, and rent ⁴	31,170	31,292	31,792	31,815	31,810	31,850	31,990	16,522	16,568	16,806	16,814	16,814	16,821	16,894
9	Plus: Transfer payments.....	24,225	25,121	25,763	25,981	26,545	26,990	27,642	11,452	11,793	12,074	12,175	12,348	12,538	12,782
10	State unemployment insurance benefits.....	741	835	1,128	997	1,019	928	1,114	371	408	555	524	492	477	545
11	Transfers excluding State unemployment insurance benefits.....	23,484	24,286	24,635	24,984	25,525	26,062	26,528	11,081	11,386	11,518	11,651	11,856	12,060	12,238
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	94,978	94,952	96,189	97,051	97,642	97,302	97,251	43,400	43,644	43,974	43,935	44,113	44,775	44,914
13	Other labor income.....	11,870	12,095	12,449	12,800	13,092	13,123	13,193	5,093	5,230	5,339	5,428	5,547	5,654	5,696
14	Proprietors' income ⁵	10,740	11,139	10,557	10,812	11,180	11,476	11,784	6,638	7,847	7,477	7,728	8,054	8,357	8,885
15	Farm proprietors' income.....	344	319	-384	-252	-57	5	47	908	2,017	1,510	1,724	1,936	2,150	2,568
16	Nonfarm proprietors' income.....	10,396	10,820	10,941	11,065	11,237	11,471	11,737	5,730	5,830	5,966	6,003	6,118	6,207	6,318
Earnings by industry															
17	Farm earnings.....	643	620	-80	55	254	325	376	1,299	2,409	1,904	2,124	2,340	2,566	2,995
18	Nonfarm earnings.....	116,944	117,566	119,276	120,608	121,660	121,576	121,853	53,833	54,312	54,884	54,966	55,374	56,220	56,500
19	Private earnings.....	100,306	100,743	102,148	103,188	104,049	103,963	104,008	44,510	44,893	45,420	45,585	45,851	46,493	46,682
20	Forestry, fishing, related activities, and other ⁶	115	119	119	122	122	125	126	145	150	150	155	154	158	158
21	Mining.....	598	589	596	586	593	598	618	132	131	129	128	130	127	138
22	Utilities.....	1,526	1,511	1,555	1,536	1,538	1,557	1,633	640	654	665	697	689	673	681
23	Construction.....	8,125	8,401	8,115	8,158	8,165	8,447	8,502	3,587	3,615	3,732	3,643	3,722	3,723	3,737
24	Manufacturing.....	29,727	29,552	30,479	30,766	30,797	30,411	30,372	10,084	9,942	10,102	10,017	9,979	9,971	9,875
25	Durable goods.....	21,959	22,070	22,734	22,964	23,028	23,233	23,204	6,260	6,271	6,367	6,301	6,260	6,221	6,119
26	Nondurable goods.....	7,768	7,482	7,744	7,802	7,769	7,178	7,168	3,824	3,671	3,735	3,716	3,720	3,749	3,756
27	Wholesale trade.....	5,948	5,941	6,031	6,106	6,118	6,011	6,015	3,009	3,188	3,126	3,136	3,112	3,196	3,178
28	Retail trade.....	8,152	8,270	8,275	8,344	8,383	8,446	8,452	4,368	4,429	4,434	4,468	4,438	4,557	4,583
29	Transportation and warehousing.....	4,543	4,497	4,606	4,655	4,718	4,680	4,608	2,004	1,994	2,025	2,061	2,086	2,100	2,096
30	Information.....	2,223	2,189	2,199	2,198	2,215	2,226	2,233	1,554	1,492	1,498	1,456	1,451	1,521	1,545
31	Finance and insurance.....	5,650	5,428	5,454	5,661	5,722	5,656	5,785	4,128	4,253	4,252	4,327	4,355	4,594	4,675
32	Real estate and rental and leasing.....	1,527	1,562	1,593	1,610	1,645	1,672	1,687	590	616	626	640	649	658	684
33	Professional and technical services.....	5,518	5,520	5,565	5,587	5,631	5,733	5,806	2,343	2,348	2,374	2,391	2,418	2,468	2,483
34	Management of companies and enterprises.....	1,736	1,840	1,901	1,806	2,004	1,874	1,882	362	396	423	447	481	494	507
35	Administrative and waste services.....	3,535	3,682	3,729	3,778	3,781	3,707	3,644	1,517	1,560	1,564	1,571	1,571	1,554	1,575
36	Educational services.....	1,223	1,245	1,269	1,288	1,343	1,321	1,251	649	655	671	680	702	754	757
37	Health care and social assistance.....	11,694	11,859	12,071	12,313	12,547	12,769	12,772	5,447	5,462	5,618	5,716	5,823	5,854	5,950
38	Arts, entertainment, and recreation.....	1,835	1,836	1,872	1,904	1,921	1,917	1,848	739	749	764	761	763	788	752
39	Accommodation and food services.....	3,219	3,280	3,282	3,313	3,318	3,331	3,317	1,569	1,602	1,605	1,612	1,638	1,650	1,632
40	Other services, except public administration.....	3,412	3,424	3,436	3,453	3,488	3,482	3,458	1,644	1,659	1,660	1,679	1,690	1,674	1,677
41	Government and government enterprises.....	16,638	16,823	17,128	17,420	17,811	17,614	17,845	9,323	9,419	9,485	9,381	9,523	9,727	9,818
42	Federal, civilian.....	2,423	2,505	2,550	2,541	2,590	2,719	2,704	1,190	1,199	1,199	1,217	1,244	1,292	1,302
43	Military.....	422	438	446	450	434	490	506	261	269	275	276	260	267	272
44	State and local.....	13,793	13,879	14,132	14,429	14,587	14,405	14,635	7,924	7,959	7,990	7,888	8,019	8,168	8,243

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II ¹—Continued
seasonally adjusted at annual rates]

Kansas							Kentucky							Louisiana							Line
2001	2002			2003			2001	2002			2003			2001	2002			2003			
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	
77,138	77,875	77,967	78,418	79,028	80,167	80,589	101,649	103,365	104,583	105,556	106,548	107,340	107,929	110,991	112,155	113,505	113,982	115,257	116,001	116,821	1
76,558	77,104	77,823	78,026	78,613	79,340	79,679	100,671	102,325	103,910	104,680	105,659	106,659	107,154	110,653	111,675	113,030	113,511	114,770	115,493	116,271	2
580	771	144	392	415	827	911	978	1,041	673	875	889	681	775	338	481	475	471	486	508	549	3
54,001	54,580	54,246	54,424	54,837	55,865	55,897	70,703	71,379	71,865	72,724	73,538	74,029	74,201	75,478	76,071	76,794	77,087	78,087	78,502	78,928	4
3,378	3,467	3,477	3,468	3,487	3,546	3,534	4,433	4,481	4,520	4,562	4,632	4,631	4,123	4,223	4,252	4,265	4,265	4,313	4,356	4,366	5
783	555	552	606	612	593	659	-1,038	-642	-651	-657	-697	-717	-704	-127	-192	-193	-192	-202	-200	-198	6
51,406	51,668	51,321	51,562	51,963	52,912	53,023	65,331	66,304	66,733	67,547	68,280	68,680	68,865	71,228	71,657	72,349	72,629	73,572	73,945	74,364	7
15,421	15,470	15,709	15,716	15,712	15,722	15,790	18,067	18,127	18,442	18,422	18,379	18,375	18,423	18,471	18,757	18,736	18,697	18,687	18,734	8	
10,312	10,737	10,937	11,140	11,353	11,533	11,777	18,250	18,935	19,408	19,587	19,890	20,285	20,640	21,340	22,028	22,399	22,617	22,987	23,368	23,723	9
293	413	481	551	558	534	601	521	622	841	767	676	681	698	273	381	498	464	442	434	451	10
10,019	10,324	10,456	10,589	10,795	10,999	11,176	17,730	18,313	18,567	18,820	19,214	19,604	19,943	21,067	21,648	21,901	22,153	22,545	22,934	23,272	11
42,766	42,997	43,106	42,894	43,096	43,518	43,328	55,958	56,104	56,695	57,052	57,536	58,000	57,939	58,722	58,862	59,259	59,294	59,914	60,084	60,160	12
5,294	5,459	5,543	5,632	5,746	5,853	5,860	7,576	7,785	7,955	8,172	8,377	8,515	8,555	7,829	8,030	8,228	8,404	8,633	8,737	8,805	13
5,941	6,124	5,996	5,897	5,995	6,494	6,710	7,169	7,489	7,215	7,500	7,625	7,514	7,707	8,927	9,179	9,308	9,388	9,540	9,681	9,963	14
167	355	-274	-32	-13	386	458	737	802	433	632	643	428	516	130	271	264	257	270	286	321	15
5,774	5,770	5,870	5,929	6,008	6,108	6,252	6,432	6,687	6,782	6,867	6,981	7,086	7,191	8,798	8,908	9,044	9,131	9,270	9,396	9,642	16
580	771	144	392	415	827	911	978	1,041	673	875	889	681	775	338	481	475	471	486	508	549	17
53,420	53,809	54,101	54,032	54,422	55,039	54,987	69,725	70,338	71,192	71,849	72,649	73,348	73,425	75,140	75,591	76,320	76,616	77,600	77,994	78,379	18
43,741	43,844	44,059	43,931	44,257	44,701	44,644	56,379	56,516	57,384	57,770	58,363	58,769	58,746	60,201	60,451	60,769	60,886	61,661	61,817	62,052	19
122	126	126	130	128	131	132	255	256	254	271	272	263	272	376	376	385	392	388	397	401	20
575	539	540	536	543	559	592	1,283	1,253	1,217	1,183	1,185	1,194	1,241	3,561	3,420	3,349	3,348	3,351	3,371	3,411	21
608	626	596	533	512	480	504	470	486	462	446	454	453	472	795	782	818	809	836	804	836	22
3,310	3,314	3,313	3,299	3,271	3,333	3,392	4,321	4,249	4,189	4,244	4,297	4,304	4,166	5,590	5,550	5,493	5,423	5,449	5,469	5,660	23
9,010	8,783	8,783	8,653	8,704	8,552	8,529	12,808	12,710	13,213	13,129	13,216	13,211	13,126	8,321	8,255	8,257	8,204	8,352	8,252	8,247	24
5,832	5,806	5,787	5,666	5,769	5,613	5,546	8,460	8,445	8,882	8,761	8,835	8,781	8,719	3,632	3,655	3,664	3,614	3,735	3,683	3,663	25
3,178	2,977	2,996	2,987	2,935	2,939	2,983	4,348	4,264	4,331	4,367	4,381	4,430	4,407	4,689	4,600	4,593	4,590	4,618	4,569	4,583	26
3,011	3,050	3,104	3,099	3,082	3,026	3,026	3,410	3,493	3,509	3,527	3,526	3,603	3,629	3,392	3,422	3,442	3,475	3,457	3,421	3,438	27
3,821	3,825	3,850	3,876	3,857	3,852	3,841	5,112	5,156	5,171	5,236	5,291	5,336	5,325	5,329	5,336	5,394	5,419	5,455	5,524	5,558	28
2,012	2,014	2,049	2,047	2,054	2,065	2,091	3,995	3,865	3,823	3,970	3,955	4,050	4,030	3,594	3,592	3,594	3,600	3,612	3,660	3,623	29
3,101	3,229	3,000	3,066	3,107	3,520	3,267	1,594	1,501	1,520	1,537	1,598	1,525	1,523	1,878	1,838	1,855	1,847	1,927	1,877	1,887	30
2,905	2,915	3,019	2,978	3,084	3,157	3,254	3,118	3,135	3,170	3,244	3,346	3,253	3,315	3,096	3,087	3,162	3,147	3,282	3,230	3,301	31
642	655	664	668	688	690	720	742	758	768	788	795	795	807	1,403	1,399	1,399	1,418	1,432	1,447	1,482	32
3,160	3,130	3,161	3,172	3,209	3,231	3,224	3,653	3,648	3,684	3,688	3,708	3,768	3,833	4,823	4,825	4,861	4,862	4,850	4,998	5,000	33
684	653	686	653	673	680	701	972	989	1,160	996	1,023	1,068	1,089	1,236	1,245	1,268	1,268	1,333	1,154	1,161	34
1,750	1,866	1,866	1,829	1,829	1,839	1,818	1,887	1,990	1,996	2,042	2,075	2,047	2,040	2,306	2,541	2,485	2,415	2,385	2,475	2,413	35
383	390	394	397	397	414	408	537	549	541	555	576	586	577	936	960	975	1,007	1,041	1,017	996	36
4,980	5,023	5,140	5,240	5,332	5,348	5,327	7,465	7,644	7,775	7,991	8,066	8,313	8,388	7,281	7,419	7,567	7,738	7,833	8,042	8,028	37
278	283	286	287	291	287	273	463	481	488	492	499	504	443	1,349	1,379	1,394	1,426	1,485	1,495	1,448	38
1,805	1,823	1,831	1,836	1,857	1,896	1,890	2,374	2,419	2,480	2,454	2,482	2,488	2,458	2,652	2,726	2,751	2,774	2,780	2,837	2,833	39
1,584	1,602	1,629	1,629	1,637	1,642	1,656	1,920	1,934	1,963	1,980	2,001	2,008	2,012	2,316	2,301	2,319	2,313	2,412	2,347	2,329	40
9,679	9,865	10,042	10,101	10,165	10,338	10,343	13,346	13,823	13,808	14,078	14,286	14,580	14,679	14,939	15,140	15,551	15,730	15,940	16,177	16,326	41
1,599	1,666	1,679	1,684	1,676	1,743	1,778	2,148	2,178	2,176	2,281	2,372	2,345	2,319	2,231	2,291	2,295	2,328	2,407	2,499	2,508	42
1,128	1,228	1,231	1,278	1,277	1,387	1,405	1,987	2,154	2,162	2,171	2,154	2,376	2,463	1,372	1,508	1,535	1,553	1,545	1,700	1,766	43
6,952	7,071	7,132	7,139	7,212	7,208	7,160	9,211	9,490	9,469	9,626	9,760	9,859	9,897	11,335	11,341	11,721	11,848	11,988	11,978	12,052	44

Table 2. Personal Income by Major Source

[Millions of dollars,

Line	Item	Maine						Maryland							
		2001		2002			2003		2001		2002			2003	
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	34,753	35,481	35,858	36,141	36,483	37,040	37,358	191,170	194,304	196,862	198,005	199,454	200,370	201,941
2	Nonfarm personal income.....	34,639	35,384	35,762	36,042	36,383	36,923	37,235	190,748	193,812	196,569	197,640	199,062	200,042	201,588
3	Farm income (line 17).....	114	98	96	98	100	117	123	422	491	292	365	391	328	354
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	23,129	23,531	23,669	23,905	24,135	24,602	24,787	123,128	125,549	126,529	127,599	128,753	129,407	130,540
5	Less: Personal contributions for social insurance ²	1,435	1,486	1,492	1,507	1,517	1,555	1,564	7,485	7,752	7,807	7,865	7,920	8,009	8,069
6	Plus: Adjustment for residence ³	338	475	487	483	483	484	482	20,457	20,589	20,938	20,981	21,217	21,174	21,291
7	Equals: Net earnings by place of residence.....	22,033	22,520	22,664	22,881	23,101	23,532	23,705	136,100	138,386	139,660	140,715	142,050	142,572	143,762
8	Plus: Dividends, interest, and rent ⁴	6,706	6,729	6,845	6,842	6,834	6,835	6,860	35,282	35,444	36,227	36,086	35,844	35,812	35,773
9	Plus: Transfer payments.....	6,014	6,233	6,349	6,417	6,549	6,674	6,792	19,787	20,474	20,975	21,204	21,560	21,986	22,407
10	State unemployment insurance benefits.....	128	159	193	179	185	184	193	582	652	884	844	784	797	859
11	Transfers excluding State unemployment insurance benefits.....	5,886	6,074	6,156	6,238	6,364	6,490	6,599	19,205	19,822	20,091	20,359	20,776	21,189	21,548
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	18,074	18,351	18,420	18,560	18,673	18,996	19,087	99,379	100,931	101,623	102,124	102,772	103,178	103,850
13	Other labor income.....	2,437	2,543	2,586	2,647	2,717	2,775	2,817	13,048	13,630	13,911	14,296	14,607	14,730	14,891
14	Proprietors' income ⁵	2,618	2,638	2,662	2,698	2,745	2,831	2,882	10,700	10,988	10,996	11,178	11,373	11,499	11,800
15	Farm proprietors' income.....	23	4	2	3	3	18	20	280	345	145	216	241	173	194
16	Nonfarm proprietors' income.....	2,595	2,633	2,660	2,695	2,742	2,813	2,862	10,421	10,643	10,850	10,963	11,133	11,327	11,605
Earnings by industry															
17	Farm earnings.....	114	98	96	98	100	117	123	422	491	292	365	391	328	354
18	Nonfarm earnings.....	23,015	23,433	23,573	23,807	24,035	24,485	24,664	122,707	125,058	126,237	127,234	128,361	129,080	130,186
19	Private earnings.....	18,726	18,962	19,065	19,301	19,411	19,808	19,891	94,392	95,645	96,431	96,768	97,488	98,638	99,432
20	Forestry, fishing, related activities, and other ⁶	281	289	287	290	301	305	304	80	83	84	87	86	89	89
21	Mining.....	25	24	25	25	26	25	27	121	111	107	102	108	108	113
22	Utilities.....	196	199	205	207	214	198	207	2,010	1,984	1,992	2,004	1,981	2,026	2,161
23	Construction.....	1,566	1,575	1,542	1,556	1,584	1,684	1,695	9,177	9,312	9,424	9,403	9,385	9,636	9,768
24	Manufacturing.....	3,166	3,081	3,086	3,092	3,072	3,138	3,107	8,958	8,941	8,820	8,748	8,756	8,653	8,682
25	Durable goods.....	1,619	1,619	1,606	1,616	1,604	1,586	1,573	5,323	5,381	5,265	5,254	5,276	5,155	5,207
26	Nondurable goods.....	1,548	1,462	1,480	1,475	1,469	1,552	1,534	3,636	3,549	3,555	3,495	3,480	3,498	3,474
27	Wholesale trade.....	922	950	959	962	970	1,005	999	5,531	5,628	5,665	5,656	5,691	5,682	5,697
28	Retail trade.....	2,120	2,166	2,175	2,206	2,232	2,259	2,273	8,390	8,467	8,540	8,632	8,643	8,675	8,732
29	Transportation and warehousing.....	584	582	590	596	596	604	609	3,111	3,114	3,121	3,120	3,099	3,056	3,031
30	Information.....	538	550	535	544	529	556	552	4,105	4,083	3,984	3,851	3,820	3,932	3,922
31	Finance and insurance.....	1,406	1,416	1,425	1,441	1,417	1,484	1,530	7,589	7,537	7,912	7,948	8,255	8,141	8,332
32	Real estate and rental and leasing.....	227	241	244	255	263	266	273	2,234	2,303	2,341	2,387	2,453	2,521	2,593
33	Professional and technical services.....	1,461	1,492	1,493	1,545	1,535	1,529	1,529	15,559	15,600	15,765	15,667	15,837	16,084	16,129
34	Management of companies and enterprises.....	354	369	385	368	372	360	353	592	583	577	579	578	634	596
35	Administrative and waste services.....	684	701	709	707	703	695	698	4,654	4,918	4,877	4,844	4,857	4,847	4,887
36	Educational services.....	326	338	344	354	359	373	370	1,953	1,989	2,046	2,081	2,164	2,199	2,129
37	Health care and social assistance.....	3,165	3,238	3,296	3,372	3,431	3,492	3,535	11,445	11,878	12,051	12,399	12,541	12,880	13,036
38	Arts, entertainment, and recreation.....	196	200	199	201	209	211	209	1,114	1,233	1,160	1,188	1,119	1,256	1,251
39	Accommodation and food services.....	876	909	916	928	939	948	944	4,017	4,112	4,159	4,224	4,242	4,300	4,346
40	Other services, except public administration.....	633	642	648	651	661	679	677	3,750	3,769	3,805	3,848	3,873	3,919	3,939
41	Government and government enterprises.....	4,289	4,472	4,508	4,506	4,624	4,677	4,773	28,315	29,413	29,806	30,466	30,873	30,441	30,755
42	Federal, civilian.....	914	955	954	966	977	1,012	1,045	11,890	12,449	12,580	12,845	12,955	13,294	13,432
43	Military.....	321	352	351	359	360	395	429	2,222	2,451	2,452	2,499	2,484	2,651	2,687
44	State and local.....	3,054	3,165	3,203	3,181	3,287	3,269	3,300	14,203	14,512	14,774	15,123	15,434	14,496	14,635

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II¹—Continued
 seasonally adjusted at annual rates]

Massachusetts					Michigan								Minnesota								Line
2001		2002			2003		2001	2002				2003		2001	2002				2003		
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	
247,332	247,765	252,257	251,714	252,127	252,613	253,436	296,806	295,932	304,930	306,682	307,437	307,471	309,740	165,325	167,189	169,755	171,656	171,969	172,584	174,027	1
247,228	247,654	252,173	251,613	252,022	252,509	253,321	296,397	295,263	304,629	306,294	306,963	307,114	309,357	164,637	165,913	168,591	170,487	170,732	171,639	173,064	2
104	111	84	100	106	104	116	408	669	301	388	474	357	382	688	1,276	1,164	1,169	1,237	945	963	3
185,234	184,487	187,004	186,074	186,492	186,601	186,855	211,194	208,621	215,684	216,934	217,004	216,350	217,206	121,008	122,229	123,503	125,351	125,388	125,796	126,640	4
10,557	10,862	10,791	10,723	10,714	10,779	10,774	13,003	12,998	13,467	13,539	13,508	13,547	13,578	7,770	7,946	8,023	8,148	8,124	8,221	8,265	5
-4,649	-4,801	-4,891	-4,793	-4,788	-4,680	-4,694	935	1,158	1,133	1,144	1,157	1,168	1,171	-1,126	-1,134	-1,146	-1,170	-1,151	-1,142	-1,147	6
170,027	169,025	171,323	170,559	170,989	171,143	171,386	199,126	196,780	203,350	204,538	204,653	203,971	204,800	112,113	113,150	114,334	116,033	116,113	116,433	117,229	7
45,390	45,576	46,590	46,472	46,263	46,225	46,300	53,636	53,759	54,545	54,593	54,639	54,640	54,923	33,810	34,004	34,703	34,700	34,629	34,692	34,806	8
31,914	33,164	34,344	34,683	34,875	35,246	35,750	44,044	45,393	47,035	47,551	48,145	48,860	50,017	19,403	20,036	20,717	20,923	21,227	21,459	21,992	9
1,931	2,375	3,204	3,192	2,840	2,671	2,706	2,002	2,042	3,114	3,061	2,772	2,611	3,006	834	890	1,319	1,273	1,188	1,033	1,230	10
29,983	30,789	31,140	31,491	32,035	32,575	33,044	42,042	43,351	43,921	44,490	45,374	46,250	47,011	18,568	19,146	19,398	19,649	20,039	20,426	20,762	11
151,190	149,500	151,282	149,959	149,742	149,552	149,356	172,170	168,866	174,925	175,423	174,901	174,145	174,379	99,692	99,909	100,858	102,183	101,810	102,280	102,736	12
18,040	16,240	16,659	16,849	17,080	17,217	17,271	21,029	20,948	22,055	22,557	22,855	22,861	23,009	10,521	10,762	11,020	11,383	11,531	11,640	11,726	13
18,004	18,747	19,064	19,267	19,669	19,833	20,227	17,995	18,806	18,705	18,954	19,248	19,344	19,817	10,795	11,625	11,625	11,785	12,046	11,876	12,178	14
-10	-6	-33	-19	-15	-19	-11	-156	74	-298	-220	-140	-274	-266	180	739	624	622	684	376	379	15
18,013	18,753	19,097	19,286	19,684	19,852	20,239	18,151	18,732	19,003	19,174	19,387	19,618	20,083	10,615	10,819	11,001	11,164	11,363	11,500	11,799	16
104	111	84	100	106	104	116	408	669	301	388	474	357	382	688	1,276	1,164	1,169	1,237	945	963	17
185,130	184,376	186,920	185,974	186,386	186,497	186,739	210,786	207,951	215,383	216,546	216,530	215,993	216,824	120,321	120,953	122,339	124,182	124,151	124,850	125,677	18
163,016	161,859	164,072	162,940	163,466	162,934	163,135	181,335	178,050	185,221	185,633	185,719	185,105	185,776	103,816	104,134	105,170	106,620	106,418	107,234	108,045	19
234	254	254	273	278	281	279	254	261	261	270	274	276	278	233	246	245	253	256	259	260	20
274	270	272	274	277	286	301	674	590	640	646	649	643	689	390	371	382	402	403	412	413	21
1,213	1,120	1,188	1,205	1,173	1,169	1,212	2,935	2,986	2,943	2,947	2,969	3,288	3,172	1,272	1,288	1,321	1,287	1,315	1,203	1,249	22
11,107	11,583	11,423	11,452	11,701	11,505	11,126	13,311	13,474	13,260	13,165	12,840	12,680	12,654	7,948	8,024	7,934	8,137	8,250	8,156	8,426	23
23,232	22,626	22,643	21,717	21,740	21,883	21,746	47,146	45,100	48,809	48,439	48,408	47,492	47,813	18,139	18,139	18,367	18,392	17,991	18,478	18,420	24
16,995	16,593	16,510	15,738	15,708	15,847	15,721	38,812	36,999	40,679	40,352	40,228	39,030	39,313	11,940	12,076	12,211	12,236	11,886	12,320	12,179	25
6,237	6,033	6,133	5,978	6,031	6,035	6,025	8,334	8,101	8,129	8,087	8,180	8,462	8,500	6,199	6,063	6,156	6,156	6,104	6,158	6,241	26
9,695	9,646	9,684	9,465	9,463	9,877	9,992	10,317	10,343	10,567	10,518	10,481	10,455	10,420	7,906	7,974	7,961	8,307	7,910	8,522	8,616	27
10,413	10,460	10,593	10,663	10,665	10,736	10,729	14,018	14,143	14,201	14,339	14,290	14,387	14,406	7,991	7,958	8,149	8,260	8,046	8,206	8,300	28
3,587	3,518	3,557	3,557	3,551	3,595	3,549	5,704	5,661	5,669	6,008	5,975	5,924	5,922	4,362	4,202	4,292	4,334	4,370	4,411	4,388	29
8,083	8,045	7,885	7,621	7,638	7,651	7,629	5,278	5,206	5,216	5,192	5,263	5,337	5,384	4,009	3,945	3,867	3,799	3,890	3,345	3,388	30
20,535	19,165	20,745	20,721	20,366	18,884	19,361	9,401	9,263	9,497	9,625	9,990	9,872	10,403	9,854	9,669	9,798	9,922	10,324	10,295	10,520	31
2,964	3,041	3,037	3,106	3,051	3,096	3,179	2,553	2,602	2,694	2,741	2,747	2,683	2,784	1,774	1,843	1,854	1,904	1,964	1,972	2,033	32
24,417	23,877	23,781	23,548	23,228	23,273	23,679	21,056	19,901	20,916	21,110	20,742	20,668	20,699	9,589	9,632	9,615	9,682	9,706	9,803	9,871	33
5,215	5,219	5,473	5,102	5,199	4,700	4,741	6,464	5,350	6,505	6,408	6,348	6,466	6,378	5,636	5,542	5,473	5,687	5,173	5,076	5,107	34
5,906	6,048	6,033	6,046	5,918	5,924	5,966	4,999	4,912	9,043	9,137	9,281	9,166	9,035	3,592	3,697	3,703	3,768	3,749	3,719	3,717	35
5,996	6,146	6,224	6,365	6,649	6,547	6,523	1,501	1,542	1,593	1,593	1,683	1,682	1,627	1,246	1,291	1,313	1,324	1,360	1,406	1,390	36
19,042	19,540	19,859	20,275	20,872	21,413	21,594	19,500	19,857	20,217	20,502	20,798	21,098	21,282	12,032	12,388	12,771	13,049	13,485	13,717	13,768	37
1,768	1,794	1,831	1,872	1,864	1,913	1,817	1,994	2,064	2,116	2,131	2,073	2,078	1,953	1,186	1,161	1,275	1,239	1,286	1,272	1,222	38
5,010	5,135	5,186	5,244	5,335	5,291	5,241	5,118	5,240	5,276	5,304	5,342	5,325	5,293	3,016	3,090	3,109	3,112	3,131	3,182	3,160	39
4,323	4,372	4,401	4,436	4,497	4,462	4,472	5,613	5,555	5,598	5,558	5,567	5,586	5,585	3,821	3,874	3,741	3,761	3,832	3,801	3,801	40
22,114	22,518	22,848	23,035	22,920	23,563	23,604	29,451	29,901	30,162	30,913	30,812	30,888	31,048	16,504	16,819	17,169	17,562	17,733	17,616	17,631	41
3,812	3,998	4,050	4,114	4,107	4,224	4,268	3,569	3,630	3,693	3,781	3,867	3,981	4,062	2,167	2,259	2,270	2,318	2,356	2,378	2,416	42
572	633	646	656	643	692	711	454	488	499	502	499	587	613	391	401	412	411	385	447	454	43
17,730	17,886	18,152	18,265	18,170	18,646	18,625	25,428	25,784	25,970	26,630	26,446	26,320	26,373	13,946	14,159	14,487	14,833	14,992	14,790	14,761	44

Table 2. Personal Income by Major Source
[Millions of dollars,

Line	Item	Mississippi						Missouri							
		2001	2002				2003		2001	2002				2003	
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	62,437	63,376	63,990	64,523	65,077	66,531	67,132	159,843	161,919	162,979	164,041	165,471	166,696	168,254
2	Nonfarm personal income.....	61,574	62,909	63,689	64,164	64,698	65,726	66,254	159,300	161,314	162,903	163,783	165,176	166,315	167,822
3	Farm income (line 17).....	863	467	301	359	379	805	878	542	605	76	259	295	381	432
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	40,423	40,665	40,800	41,230	41,497	42,716	43,037	114,068	115,432	115,415	116,468	117,420	118,330	119,414
5	Less: Personal contributions for social insurance ²	2,561	2,639	2,652	2,675	2,685	2,754	2,767	6,909	7,083	7,093	7,146	7,187	7,282	7,340
6	Plus: Adjustment for residence ³	1,627	1,864	1,890	1,887	1,903	1,916	1,923	-3,394	-3,544	-3,536	-3,617	-3,651	-3,657	-3,756
7	Equals: Net earnings by place of residence.....	39,489	39,890	40,038	40,442	40,715	41,878	42,193	103,765	104,805	104,786	105,705	106,583	107,392	108,319
8	Plus: Dividends, interest, and rent ⁴	9,922	9,962	10,147	10,133	10,102	10,103	10,123	31,053	31,106	31,592	31,522	31,422	31,368	31,416
9	Plus: Transfer payments.....	13,025	13,524	13,805	13,948	14,261	14,550	14,816	25,025	26,008	26,601	26,815	27,466	27,937	28,519
10	State unemployment insurance benefits.....	213	262	349	296	306	296	301	538	691	922	776	868	783	863
11	Transfers excluding State unemployment insurance benefits.....	12,813	13,261	13,456	13,652	13,954	14,254	14,515	24,487	25,317	25,678	26,039	26,598	27,154	27,636
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	31,103	31,446	31,600	31,795	31,894	32,475	32,598	91,156	91,610	91,721	92,184	92,648	93,199	93,852
13	Other labor income.....	4,366	4,517	4,598	4,731	4,831	4,957	4,996	11,050	11,379	11,559	11,809	12,087	12,244	12,392
14	Proprietors' income ⁵	4,955	4,703	4,602	4,704	4,772	5,283	5,443	11,863	12,443	12,134	12,475	12,685	12,888	13,171
15	Farm proprietors' income.....	654	257	90	145	163	583	650	239	300	-231	-53	-19	58	100
16	Nonfarm proprietors' income.....	4,301	4,445	4,512	4,559	4,609	4,701	4,793	11,624	12,143	12,366	12,528	12,705	12,830	13,071
Earnings by industry															
17	Farm earnings.....	863	467	301	359	379	805	878	542	605	76	259	295	381	432
18	Nonfarm earnings.....	39,560	40,198	40,499	40,871	41,118	41,911	42,159	113,526	114,827	115,339	116,209	117,125	117,949	118,982
19	Private earnings.....	30,385	30,863	31,068	31,210	31,329	31,861	32,061	95,703	96,492	96,894	97,751	98,266	98,775	99,525
20	Forestry, fishing, related activities, and other ⁶	409	405	405	417	417	420	426	197	206	202	213	212	235	222
21	Mining.....	391	374	358	371	364	363	387	359	373	320	350	363	345	357
22	Utilities.....	418	457	455	472	475	511	532	978	1,288	970	1,116	1,067	909	958
23	Construction.....	2,553	2,723	2,721	2,714	2,665	2,731	2,774	7,813	7,757	7,822	7,973	7,920	7,686	7,678
24	Manufacturing.....	6,712	6,790	6,724	6,615	6,591	6,671	6,621	15,375	15,375	15,550	15,622	15,523	15,739	15,849
25	Durable goods.....	4,206	4,349	4,338	4,243	4,240	4,294	4,232	9,739	9,788	9,969	10,102	10,056	10,146	10,175
26	Nondurable goods.....	2,506	2,441	2,387	2,371	2,351	2,376	2,389	5,636	5,587	5,581	5,520	5,467	5,593	5,674
27	Wholesale trade.....	1,535	1,556	1,582	1,595	1,576	1,589	1,619	6,070	6,243	6,283	6,302	6,241	6,312	6,426
28	Retail trade.....	3,244	3,284	3,301	3,335	3,339	3,400	3,400	7,924	7,964	8,043	8,149	8,182	8,221	8,180
29	Transportation and warehousing.....	1,499	1,511	1,519	1,536	1,542	1,579	1,566	4,451	4,470	4,597	4,638	4,589	4,681	4,639
30	Information.....	785	776	777	761	770	773	791	6,169	6,153	6,163	6,016	5,990	6,340	6,323
31	Finance and insurance.....	1,532	1,528	1,558	1,569	1,588	1,608	1,664	6,479	6,506	6,565	6,584	6,665	6,897	7,052
32	Real estate and rental and leasing.....	385	396	447	424	413	416	419	1,565	1,591	1,594	1,611	1,627	1,700	1,736
33	Professional and technical services.....	1,805	1,771	1,800	1,835	1,914	1,916	1,966	8,247	8,310	8,141	8,190	8,321	8,463	8,653
34	Management of companies and enterprises.....	574	569	566	573	677	619	657	5,333	5,131	4,988	4,937	5,074	4,743	4,921
35	Administrative and waste services.....	835	894	898	906	897	924	916	3,344	3,479	3,474	3,520	3,575	3,476	3,439
36	Educational services.....	305	311	313	322	332	339	327	1,884	1,890	1,946	1,999	2,048	1,998	1,966
37	Health care and social assistance.....	3,696	3,784	3,865	3,950	3,988	4,106	4,118	10,963	11,092	11,400	11,624	11,790	12,034	12,229
38	Arts, entertainment, and recreation.....	629	499	505	497	501	507	492	1,590	1,630	1,733	1,769	1,700	1,735	1,542
39	Accommodation and food services.....	1,829	1,932	1,975	2,031	1,989	2,048	2,036	3,521	3,597	3,646	3,667	3,691	3,713	3,710
40	Other services, except public administration.....	1,249	1,301	1,297	1,286	1,291	1,342	1,350	3,440	3,439	3,457	3,471	3,488	3,547	3,645
41	Government and government enterprises.....	9,175	9,335	9,431	9,662	9,789	10,050	10,097	17,823	18,335	18,445	18,458	18,859	19,174	19,457
42	Federal, civilian.....	1,552	1,602	1,610	1,652	1,665	1,690	1,702	3,680	3,830	3,851	3,874	3,974	4,072	4,071
43	Military.....	1,181	1,288	1,294	1,308	1,292	1,405	1,429	1,135	1,246	1,289	1,278	1,267	1,375	1,408
44	State and local.....	6,442	6,445	6,527	6,702	6,831	6,955	6,967	13,008	13,260	13,305	13,306	13,618	13,727	13,978

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II¹—Continuedseasonally adjusted at annual rates¹

Montana							Nebraska							Nevada							Line
2001		2002			2003		2001		2002			2003		2001		2002			2003		
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	
21,799	22,270	22,490	22,862	22,979	23,127	23,499	50,084	50,408	50,774	51,397	51,767	53,312	54,011	63,020	64,384	65,121	65,891	66,889	67,979	68,751	1
21,700	21,903	22,301	22,583	22,792	22,974	23,210	48,982	49,262	49,843	50,431	50,740	51,665	52,114	62,919	64,245	65,029	65,773	66,767	67,883	68,649	2
98	367	189	279	187	153	290	1,101	1,147	930	966	1,027	1,647	1,897	100	139	93	118	122	96	102	3
14,086	14,476	14,564	14,942	15,013	15,102	15,413	35,552	35,816	35,881	36,435	36,642	38,132	38,622	46,160	47,393	47,671	48,530	49,552	50,638	51,237	4
942	965	982	1,002	1,010	1,024	1,034	2,216	2,276	2,288	2,323	2,326	2,399	2,412	2,514	2,622	2,630	2,678	2,729	2,808	2,836	5
3	-17	-18	-19	-19	-19	-20	-646	-805	-809	-828	-828	-855	-860	-854	-975	-978	-1,003	-1,029	-1,060	-1,074	6
13,146	13,494	13,564	13,921	13,983	14,059	14,359	32,690	32,735	32,785	33,284	33,489	34,879	35,349	42,792	43,797	44,063	44,849	45,794	46,770	47,326	7
5,077	5,090	5,170	5,168	5,161	5,159	5,177	10,792	10,836	11,003	11,028	11,049	11,071	11,142	13,300	13,336	13,641	13,595	13,528	13,495	13,520	8
3,576	3,686	3,755	3,773	3,835	3,908	3,963	6,602	6,837	6,986	7,085	7,230	7,362	7,520	6,927	7,251	7,418	7,448	7,567	7,714	7,905	9
87	101	129	104	102	110	110	106	122	175	179	175	160	191	436	506	562	482	429	407	450	10
3,489	3,585	3,627	3,669	3,733	3,798	3,854	6,496	6,715	6,811	6,906	7,054	7,201	7,329	6,491	6,745	6,856	6,966	7,137	7,307	7,455	11
10,594	10,636	10,825	11,019	11,102	11,168	11,274	27,601	27,763	27,897	28,259	28,271	28,952	29,088	36,702	37,479	37,589	38,188	38,889	39,723	40,085	12
1,461	1,505	1,549	1,608	1,650	1,659	1,694	3,285	3,390	3,459	3,568	3,627	3,744	3,775	4,349	4,569	4,645	4,812	5,002	5,141	5,221	13
2,031	2,335	2,190	2,316	2,260	2,275	2,444	4,666	4,663	4,526	4,609	4,744	5,437	5,758	5,109	5,345	5,437	5,530	5,660	5,774	5,931	14
-57	206	26	114	20	-19	113	696	738	519	550	607	1,215	1,452	40	75	29	53	56	29	33	15
2,089	2,130	2,164	2,201	2,240	2,294	2,331	3,970	3,925	4,006	4,059	4,137	4,222	4,305	5,070	5,270	5,408	5,476	5,604	5,745	5,898	16
98	367	189	279	187	153	290	1,101	1,147	930	966	1,027	1,647	1,897	100	139	93	118	122	96	102	17
13,988	14,108	14,375	14,663	14,825	14,949	15,123	34,450	34,669	34,951	35,469	35,615	36,485	36,725	46,059	47,254	47,578	48,411	49,431	50,542	51,135	18
10,792	10,852	11,069	11,277	11,408	11,520	11,593	28,286	28,365	28,537	28,986	29,081	29,741	29,966	39,140	40,078	40,365	41,031	41,795	42,642	43,095	19
137	147	148	156	158	160	160	99	102	103	106	106	111	109	20	22	21	22	22	22	23	20
401	379	394	388	396	384	375	179	173	173	176	178	183	198	702	698	681	667	686	648	680	21
300	298	315	314	313	313	329	622	620	639	678	660	663	699	337	442	426	441	469	437	451	22
1,081	1,085	1,087	1,138	1,161	1,224	1,209	2,414	2,445	2,506	2,530	2,593	2,650	2,635	5,199	5,289	5,459	5,550	5,706	6,014	6,159	23
867	830	832	861	840	831	839	4,277	4,130	4,200	4,214	4,190	4,247	4,263	2,096	2,058	2,049	2,111	2,111	2,153	2,174	24
533	523	530	542	526	520	521	2,023	2,029	2,062	2,053	2,012	2,052	2,046	1,471	1,477	1,475	1,517	1,517	1,563	1,576	25
334	307	303	319	314	311	318	2,254	2,101	2,138	2,161	2,178	2,195	2,217	824	591	574	594	594	590	598	26
592	597	605	634	627	610	610	1,950	1,966	2,008	2,014	1,976	2,002	2,021	1,860	1,868	1,903	1,922	1,878	1,851	1,861	27
1,289	1,298	1,329	1,358	1,378	1,375	1,374	2,517	2,565	2,548	2,586	2,582	2,656	2,652	3,487	3,536	3,582	3,610	3,673	3,734	3,770	28
566	572	578	590	584	582	582	2,232	2,248	2,263	2,312	2,244	2,224	2,224	1,454	1,466	1,494	1,512	1,516	1,562	1,528	29
357	347	364	370	369	375	383	1,272	1,287	1,212	1,231	1,244	1,096	1,104	1,080	1,067	1,061	1,069	1,063	1,035	1,036	30
635	636	650	642	684	689	704	2,396	2,424	2,401	2,470	2,528	2,573	2,634	2,285	2,234	2,312	2,356	2,430	2,497	2,606	31
152	153	156	159	163	172	178	337	341	344	350	353	348	360	1,068	1,143	1,167	1,215	1,228	1,221	1,261	32
893	907	922	934	948	957	966	2,042	2,014	2,052	2,090	2,081	2,109	2,163	2,944	3,024	3,063	3,178	3,233	3,400	3,409	33
53	52	54	53	54	52	52	736	807	674	770	737	913	930	1,046	1,046	817	769	980	945	967	34
351	363	368	371	373	380	391	1,220	1,255	1,247	1,245	1,253	1,286	1,257	2,165	2,209	2,211	2,253	2,290	2,294	2,330	35
80	85	86	88	91	94	96	398	342	407	399	414	435	452	121	132	134	137	148	146	149	36
1,673	1,715	1,769	1,800	1,840	1,854	1,886	3,402	3,468	3,556	3,630	3,635	3,889	3,931	3,186	3,295	3,387	3,462	3,510	3,678	3,750	37
206	209	211	218	216	235	232	249	251	257	258	262	262	250	1,204	1,264	1,285	1,284	1,310	1,331	1,304	38
686	702	709	718	723	735	732	962	953	969	977	985	1,002	1,002	7,889	8,225	8,269	8,428	8,503	8,590	8,560	39
473	476	481	485	492	498	494	984	990	995	997	993	1,071	1,081	997	1,060	1,045	1,046	1,038	1,082	1,077	40
3,195	3,257	3,306	3,387	3,417	3,429	3,530	6,165	6,305	6,414	6,483	6,534	6,744	6,760	6,919	7,176	7,213	7,380	7,635	7,901	8,040	41
788	816	826	853	896	849	882	949	988	994	1,010	1,032	1,087	1,101	1,007	1,029	1,052	1,093	1,185	1,204	1,242	42
263	286	291	294	292	319	330	577	639	650	658	653	701	710	519	584	606	624	629	691	713	43
2,144	2,154	2,189	2,239	2,229	2,260	2,318	4,639	4,678	4,770	4,815	4,849	4,956	4,948	5,393	5,562	5,555	5,662	5,821	6,006	6,086	44

Table 2. Personal Income by Major Source

[Millions of dollars,

Line	Item	New Hampshire						New Jersey							
		2001	2002				2003	2001	2002				2003		
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11)	42,722	43,055	43,865	43,847	44,047	44,381	44,519	330,559	337,578	338,845	341,099	342,035	345,441	348,914
2	Nonfarm personal income	42,684	43,012	43,830	43,808	44,006	44,343	44,479	330,316	337,298	338,610	340,840	341,770	345,173	348,637
3	Farm income (line 17)	38	42	35	39	41	38	40	243	280	236	259	265	268	277
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	28,296	28,370	28,943	28,948	29,112	29,448	29,487	224,008	228,546	226,041	227,914	229,177	232,979	235,608
5	Less: Personal contributions for social insurance ²	1,764	1,798	1,834	1,834	1,839	1,872	1,873	13,856	14,398	14,169	14,287	14,337	14,690	14,827
6	Plus: Adjustment for residence ³	3,783	3,915	3,943	3,907	3,902	3,873	3,872	21,346	22,707	23,450	23,190	23,034	22,478	22,603
7	Equals: Net earnings by place of residence	30,316	30,488	31,052	31,021	31,175	31,449	31,486	231,499	236,854	235,322	236,816	237,873	240,767	243,384
8	Plus: Dividends, interest, and rent ⁴	7,761	7,778	7,943	7,914	7,873	7,851	7,860	60,672	60,878	62,048	61,973	61,823	61,796	61,990
9	Plus: Transfer payments	4,645	4,788	4,870	4,911	4,998	5,081	5,173	38,389	39,846	41,475	42,310	42,339	42,878	43,540
10	State unemployment insurance benefits	109	132	160	149	154	156	177	2,072	2,490	3,666	4,049	3,777	3,220	3,278
11	Transfers excluding State unemployment insurance benefits	4,535	4,657	4,709	4,762	4,844	4,925	4,996	36,317	37,356	37,809	38,261	38,962	39,658	40,263
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements	22,457	22,432	22,882	22,824	22,868	23,118	23,103	179,520	182,920	179,971	181,032	181,545	184,670	186,215
13	Other labor income	2,372	2,422	2,502	2,545	2,606	2,652	2,669	17,892	18,559	18,536	18,996	19,326	19,791	20,025
14	Proprietors' income ⁵	3,468	3,517	3,560	3,579	3,638	3,677	3,714	26,597	27,066	27,534	27,886	28,306	28,518	29,368
15	Farm proprietors' income	-5	-1	-9	-6	-4	-8	-8	45	76	30	51	55	51	55
16	Nonfarm proprietors' income	3,473	3,518	3,569	3,585	3,642	3,685	3,722	26,552	26,990	27,504	27,835	28,251	28,466	29,314
Earnings by industry															
17	Farm earnings	38	42	35	39	41	38	40	243	280	236	259	265	268	277
18	Nonfarm earnings	28,259	28,328	28,909	28,909	29,071	29,409	29,447	223,766	228,265	225,805	227,654	228,912	232,711	235,331
19	Private earnings	24,987	24,959	25,474	25,429	25,415	25,761	25,759	192,503	196,342	194,651	195,214	197,030	199,171	201,279
20	Forestry, fishing, related activities, and other ⁶	85	87	88	91	91	94	93	90	99	95	99	98	105	102
21	Mining	36	36	37	37	40	36	38	218	194	194	194	201	208	220
22	Utilities	267	264	303	289	269	290	283	2,086	2,086	2,037	2,073	2,033	2,050	2,149
23	Construction	2,093	2,175	2,158	2,090	2,110	2,076	2,015	11,914	12,134	11,931	12,138	12,065	11,706	12,092
24	Manufacturing	4,944	4,679	4,668	4,622	4,515	4,556	4,633	24,027	24,546	23,924	23,714	23,387	24,830	24,846
25	Durable goods	3,698	3,543	3,554	3,500	3,423	3,451	3,506	10,091	10,412	10,225	10,177	10,038	10,286	10,240
26	Non-durable goods	1,246	1,136	1,115	1,122	1,092	1,105	1,128	13,936	14,134	13,699	13,536	13,349	14,544	14,606
27	Wholesale trade	1,798	1,792	1,849	1,850	1,802	1,795	1,776	16,320	17,283	16,868	16,806	16,658	17,091	17,203
28	Retail trade	2,848	2,922	2,941	2,988	3,023	3,072	3,066	15,555	15,853	15,993	16,183	16,347	16,485	16,601
29	Transportation and warehousing	527	533	546	552	539	547	558	7,945	7,787	7,991	8,001	8,079	8,174	8,123
30	Information	861	832	897	834	828	873	866	13,328	12,983	12,945	12,650	12,548	12,028	12,077
31	Finance and insurance	1,741	1,757	1,910	1,874	1,935	1,989	2,048	20,955	21,793	20,925	20,698	21,123	21,132	21,806
32	Real estate and rental and leasing	414	429	431	520	449	461	478	3,794	3,932	4,105	4,165	4,266	4,275	4,451
33	Professional and technical services	2,203	2,183	2,195	2,187	2,184	2,198	2,175	25,560	25,648	25,154	25,364	25,810	25,820	25,868
34	Management of companies and enterprises	552	502	534	472	473	546	535	5,920	5,880	5,899	5,974	6,271	6,338	6,363
35	Administrative and waste services	878	890	920	903	902	893	872	8,719	9,356	9,164	9,230	9,228	9,557	9,670
36	Educational services	633	660	690	728	750	783	744	2,376	2,405	2,422	2,517	2,552	2,655	2,622
37	Health care and social assistance	2,894	2,958	3,030	3,095	3,186	3,225	3,262	19,824	20,320	20,861	21,104	21,654	21,936	22,229
38	Arts, entertainment, and recreation	296	291	289	294	298	304	296	2,265	2,302	2,322	2,354	2,542	2,514	2,537
39	Accommodation and food services	1,080	1,111	1,121	1,133	1,147	1,148	1,153	6,210	6,363	6,417	6,471	6,525	6,681	6,707
40	Other services, except public administration	839	857	868	871	873	878	867	5,396	5,379	5,404	5,480	5,642	5,584	5,612
41	Government and government enterprises	3,272	3,369	3,435	3,480	3,656	3,648	3,687	31,262	31,923	31,154	32,440	31,881	33,540	34,053
42	Federal, civilian	532	553	550	560	586	604	605	4,452	4,628	4,644	4,723	4,831	4,968	5,026
43	Military	83	88	91	91	92	110	118	813	892	908	900	880	943	965
44	State and local	2,657	2,728	2,794	2,829	2,979	2,934	2,964	25,998	26,403	25,602	26,817	27,629	28,061	

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV–2003:II¹—Continued
 seasonally adjusted at annual rates]

New Mexico							New York							North Carolina							Line
2001	2002				2003		2001	2002				2003		2001	2002				2003		
IV	I	II	III	IV	I ^a	II ^b	IV	I	II	III	IV	I ^a	II ^b	IV	I	II	III	IV	I ^a	II ^b	
42,982	43,677	44,098	44,438	45,193	45,461	46,056	681,059	676,590	686,279	685,909	687,503	687,045	694,226	224,050	227,740	228,855	229,994	230,836	234,567	237,292	1
42,261	42,735	43,647	43,824	44,493	44,802	45,288	680,253	675,929	685,685	685,284	686,860	686,379	693,513	221,533	225,145	227,540	228,089	228,847	232,151	234,686	2
721	943	451	614	700	659	768	806	661	594	625	642	666	713	2,517	2,595	1,315	1,905	1,988	2,416	2,606	3
29,919	30,386	30,588	30,835	31,480	31,606	32,074	507,447	501,883	508,163	507,143	507,169	504,161	509,804	160,827	163,609	163,038	163,959	164,294	167,366	169,084	4
1,765	1,810	1,851	1,854	1,887	1,906	1,926	30,493	30,533	30,643	30,729	30,623	30,575	30,821	9,963	10,304	10,322	10,341	10,328	10,557	10,644	5
107	66	60	61	56	55	54	-29,209	-31,794	-32,546	-32,216	-32,049	-31,311	-31,544	-1,038	-1,463	-1,456	-1,450	-1,444	-1,460	-1,479	6
28,262	28,642	28,797	29,042	29,649	29,755	30,202	447,745	439,557	444,774	444,198	444,497	442,274	447,439	149,825	151,842	151,261	152,168	152,522	155,350	156,961	7
7,531	7,549	7,658	7,637	7,604	7,595	7,592	124,204	124,532	126,427	126,346	126,165	126,133	126,519	40,919	41,038	41,913	41,741	41,485	41,390	41,381	8
7,190	7,486	7,643	7,759	7,939	8,111	8,263	109,110	112,501	115,079	115,364	116,841	118,637	120,268	33,306	34,860	35,681	36,085	36,828	37,828	38,949	9
136	165	205	206	206	199	195	3,537	4,348	5,804	4,967	4,704	4,774	4,905	1,251	1,602	1,898	1,780	1,712	1,906	2,328	10
7,054	7,321	7,437	7,553	7,734	7,912	8,068	105,573	108,152	109,275	110,397	112,137	113,863	115,363	32,056	33,258	33,782	34,305	35,117	35,922	36,621	11
23,408	23,509	24,037	24,019	24,420	24,496	24,735	405,085	397,683	401,643	399,176	397,537	394,054	396,856	129,063	130,750	130,946	130,868	130,621	132,554	133,517	12
3,276	3,385	3,514	3,597	3,703	3,743	3,798	39,353	39,597	40,453	41,158	41,694	41,728	42,142	15,612	16,241	16,525	16,816	17,151	17,604	17,843	13
3,236	3,493	3,037	3,219	3,357	3,367	3,542	63,009	64,604	66,067	66,809	67,998	68,379	70,806	16,151	16,617	15,567	16,275	16,523	17,209	17,724	14
530	742	249	410	483	447	550	337	179	109	133	145	155	188	769	2,052	769	1,352	1,429	1,800	2,015	15
2,706	2,751	2,788	2,809	2,864	2,920	2,992	62,672	64,425	65,958	66,676	67,793	68,224	70,618	14,188	14,565	14,798	14,923	15,094	15,368	15,709	16
721	943	451	614	700	659	768	806	661	594	625	642	666	713	2,517	2,595	1,315	1,905	1,988	2,416	2,606	17
29,198	29,444	30,137	30,221	30,781	30,947	31,306	506,641	501,222	507,569	506,519	506,526	503,495	509,091	158,310	161,014	161,723	162,054	162,306	164,951	166,478	18
20,640	20,634	21,090	21,058	21,428	21,484	21,740	435,781	429,184	435,594	432,589	432,435	427,709	432,910	128,532	130,232	130,515	131,111	130,394	131,997	132,958	19
84	90	90	94	99	99	97	1,232	1,264	1,284	1,295	1,297	1,343	1,339	442	466	467	468	469	475	482	20
943	894	867	863	893	904	952	533	498	507	515	528	530	546	278	269	269	266	267	260	275	21
260	254	262	262	275	244	253	4,785	5,086	5,145	5,205	5,194	5,286	5,520	(D)	(D)	(D)	(D)	(D)	(D)	(D)	22
2,076	2,063	2,023	1,984	2,042	2,102	2,169	21,163	21,038	21,048	21,346	21,274	21,039	21,962	11,106	11,043	10,970	10,863	10,630	10,819	11,097	23
1,871	1,708	1,751	1,773	1,756	1,668	1,662	36,635	35,491	35,774	35,725	35,803	34,877	34,939	28,840	28,571	28,455	28,482	27,922	27,933	27,946	24
1,440	1,311	1,357	1,370	1,359	1,263	1,246	21,576	21,577	21,682	21,407	21,627	21,053	21,178	15,551	15,012	15,007	14,914	14,563	14,415	14,376	25
431	397	394	403	398	405	416	15,059	13,914	14,092	14,318	14,176	13,824	13,760	13,289	13,559	13,448	13,568	13,359	13,518	13,570	26
967	986	997	1,011	1,008	1,002	994	23,899	23,421	23,683	23,578	23,511	24,251	24,328	7,874	8,383	8,377	8,471	8,355	8,595	8,619	27
2,261	2,293	2,315	2,347	2,359	2,396	2,405	24,831	25,070	25,209	25,624	25,990	25,851	25,925	11,595	11,639	11,675	11,784	11,737	11,721	11,711	28
816	831	829	834	855	828	830	11,875	11,594	11,646	11,740	11,869	11,934	11,816	5,043	4,918	4,916	4,870	4,823	4,977	4,937	29
831	808	822	815	827	824	827	32,972	31,810	31,472	31,528	31,946	31,919	32,207	(D)	(D)	(D)	(D)	(D)	(D)	(D)	30
1,026	1,031	1,071	1,066	1,111	1,095	1,116	95,728	90,060	94,889	89,505	87,317	81,297	83,946	8,023	9,061	8,923	8,988	9,080	9,801	10,024	31
384	378	585	398	421	381	400	10,163	10,412	10,342	10,371	10,754	10,606	10,880	2,142	2,200	2,249	2,266	2,285	2,281	2,347	32
2,679	2,669	2,711	2,758	2,818	2,896	2,929	51,208	51,023	51,468	51,057	50,898	52,172	52,554	10,158	10,022	10,109	10,077	10,032	10,241	10,135	33
268	272	267	255	276	210	218	14,753	14,603	13,963	14,048	13,551	12,514	12,683	4,849	4,796	4,701	4,807	4,771	4,611	4,672	34
1,179	1,236	1,228	1,216	1,215	1,260	1,242	15,468	16,214	16,023	15,984	15,804	16,102	16,152	5,201	5,681	5,646	5,658	5,657	5,691	5,722	35
231	231	236	234	244	235	239	10,716	10,690	11,027	11,375	11,703	11,781	11,692	1,724	1,735	1,772	1,795	1,850	1,850	1,886	36
2,602	2,666	2,780	2,886	2,946	3,006	3,065	47,903	48,275	48,905	50,124	50,911	52,342	52,752	13,606	13,737	14,049	14,301	14,465	14,630	14,873	37
241	244	251	249	254	259	261	7,914	7,862	8,279	8,362	8,416	8,322	8,192	1,532	1,441	1,531	1,548	1,523	1,506	1,509	38
1,101	1,137	1,151	1,163	1,170	1,197	1,206	12,079	12,519	12,657	12,804	13,018	12,904	12,862	4,692	4,786	4,874	4,931	4,927	4,964	4,932	39
817	843	854	850	862	880	876	11,923	12,253	12,273	12,404	12,650	12,641	12,615	4,341	4,390	4,422	4,381	4,350	4,407	4,464	40
8,558	8,810	9,047	9,162	9,352	9,463	9,566	70,860	72,038	71,975	73,930	74,091	75,785	76,181	29,778	30,782	31,209	30,942	31,912	32,954	33,520	41
1,985	2,064	2,155	2,211	2,185	2,228	2,259	8,933	9,346	9,507	9,613	9,758	10,090	10,114	3,737	3,882	3,959	3,996	4,116	4,202	4,226	42
713	797	811	830	830	903	929	1,643	1,781	1,803	1,833	1,806	1,996	2,033	5,093	5,738	5,831	5,931	6,011	6,624	6,823	43
5,860	5,949	6,081	6,121	6,337	6,332	6,378	60,284	60,911	60,666	62,484	62,527	63,699	64,034	20,948	21,162	21,419	21,016	21,785	22,128	22,471	44

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Table 2. Personal Income by Major Source
 (Millions of dollars)

Line	Item	North Dakota						Ohio							
		2001	2002				2003		2001	2002				2003	
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11)	16,452	16,787	16,608	16,931	17,059	17,783	18,016	327,985	330,130	334,343	336,601	338,255	340,755	342,762
2	Nonfarm personal income	16,244	16,278	16,503	16,691	16,840	17,088	17,216	327,264	329,535	334,285	336,455	337,855	340,210	342,157
3	Farm income (line 17)	207	509	105	240	219	695	800	722	594	59	146	400	545	605
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	11,453	11,880	11,602	11,917	12,015	12,727	12,906	230,947	231,698	234,032	236,320	237,338	239,401	240,488
5	Less: Personal contributions for social insurance ²	767	791	797	810	817	839	843	12,965	13,220	13,363	13,491	13,499	13,695	13,737
6	Plus: Adjustment for residence ³	-410	-568	-574	-583	-592	-608	-611	-1,258	-1,372	-1,394	-1,418	-1,403	-1,410	-1,421
7	Equals: Net earnings by place of residence	10,276	10,522	10,231	10,524	10,606	11,280	11,453	216,723	217,105	219,275	221,412	222,436	224,296	225,331
8	Plus: Dividends, interest, and rent ⁴	3,498	3,508	3,559	3,560	3,559	3,573	3,573	61,010	61,103	62,010	61,861	61,654	61,539	61,606
9	Plus: Transfer payments	2,678	2,758	2,819	2,848	2,895	2,943	2,991	50,253	51,922	53,058	53,328	54,165	54,920	55,825
10	State unemployment insurance benefits	41	42	69	64	58	54	56	1,426	1,813	2,391	2,103	2,075	1,972	2,132
11	Transfers excluding State unemployment insurance benefits	2,637	2,715	2,750	2,784	2,837	2,889	2,935	48,827	50,109	50,667	51,225	52,090	52,948	53,693
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements	8,928	9,020	9,096	9,222	9,289	9,466	9,507	188,023	187,811	189,809	191,145	191,132	192,506	192,917
13	Other labor income	1,162	1,210	1,242	1,285	1,318	1,354	1,367	21,937	22,383	22,890	23,488	23,952	24,201	24,364
14	Proprietors' income ⁵	1,363	1,650	1,264	1,410	1,407	1,906	2,032	20,986	21,503	21,333	21,687	22,254	22,694	23,207
15	Farm proprietors' income	42	343	-62	70	48	520	619	341	212	-326	-245	5	139	189
16	Nonfarm proprietors' income	1,321	1,307	1,326	1,340	1,359	1,387	1,413	20,645	21,292	21,659	21,931	22,249	22,555	23,018
Earnings by industry															
17	Farm earnings	207	509	105	240	219	695	800	722	594	59	146	400	545	605
18	Nonfarm earnings	11,245	11,371	11,497	11,678	11,796	12,031	12,106	230,225	231,103	233,973	236,174	236,938	238,856	239,883
19	Private earnings	8,643	8,697	8,766	8,881	8,957	9,136	9,184	194,132	194,310	197,194	198,833	198,669	200,740	201,496
20	Forestry, fishing, related activities, and other ⁶	57	62	61	65	68	66	67	184	191	189	195	196	198	200
21	Mining	225	202	214	211	213	221	234	1,004	936	950	895	904	937	990
22	Utilities	245	251	255	251	256	268	278	1,810	1,882	1,878	1,886	1,899	2,079	1,970
23	Construction	748	729	723	717	721	746	754	13,499	13,591	13,581	13,772	13,720	13,683	13,774
24	Manufacturing	956	926	947	958	968	968	960	46,086	45,040	46,118	46,024	45,844	46,246	46,420
25	Durable goods	595	611	629	630	636	637	625	32,769	32,337	33,171	32,944	32,820	33,290	33,339
26	Non-durable goods	360	315	317	328	332	331	335	13,318	12,703	12,947	13,080	13,024	12,956	13,081
27	Wholesale trade	757	765	757	787	782	784	777	12,572	12,679	12,763	12,937	12,759	12,760	12,861
28	Retail trade	922	936	936	953	962	977	978	16,848	16,889	17,089	17,264	17,222	17,158	17,137
29	Transportation and warehousing	443	450	450	459	460	474	469	7,004	7,059	7,130	7,169	7,154	7,299	7,317
30	Information	327	309	320	328	326	326	332	6,338	6,095	6,161	6,094	6,006	6,103	6,079
31	Finance and insurance	583	608	607	609	643	654	674	12,906	12,804	13,039	13,125	13,346	13,770	14,176
32	Real estate and rental and leasing	87	89	93	94	95	95	100	3,094	3,187	3,213	3,264	3,313	3,260	3,420
33	Professional and technical services	473	481	492	496	508	521	532	16,633	16,446	16,634	16,663	16,661	16,988	17,009
34	Management of companies and enterprises	170	147	151	143	148	165	167	6,128	6,493	6,818	7,152	6,571	6,840	6,933
35	Administrative and waste services	280	293	296	297	295	289	277	8,104	8,432	8,461	8,565	8,633	8,363	8,299
36	Educational services	55	59	66	54	51	55	55	2,388	2,407	2,457	2,515	2,586	2,623	2,535
37	Health care and social assistance	1,515	1,579	1,578	1,633	1,633	1,685	1,692	23,774	24,284	24,738	25,201	25,639	26,177	26,310
38	Arts, entertainment, and recreation	44	48	50	51	50	51	47	2,508	2,526	2,480	2,536	2,595	2,656	2,562
39	Accommodation and food services	388	395	399	407	408	411	410	6,636	6,737	6,793	6,875	6,913	6,889	6,870
40	Other services, except public administration	368	367	370	369	368	380	381	6,614	6,633	6,701	6,701	6,707	6,713	6,636
41	Government and government enterprises	2,603	2,673	2,731	2,796	2,839	2,895	2,922	36,093	36,793	36,780	37,341	38,289	38,116	38,387
42	Federal, civilian	524	543	558	567	573	583	588	5,581	5,763	5,794	5,821	5,927	6,026	6,063
43	Military	457	508	520	533	537	578	589	1,045	1,124	1,154	1,174	1,133	1,232	1,257
44	State and local	1,623	1,622	1,653	1,696	1,729	1,735	1,745	29,467	29,906	29,832	30,346	31,210	30,858	31,068

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II¹—Continued
seasonally adjusted at annual rates]

Oklahoma						Oregon						Pennsylvania						Line			
2001	2002				2003		2001	2002				2003		2001	2002				2003		
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III		IV	I ^r	II ^p
87,221	86,961	87,622	88,168	88,522	89,177	89,907	97,967	98,842	100,211	100,896	101,974	102,133	102,903	379,292	386,067	389,692	392,285	394,198	399,180	402,747	1
86,502	86,257	87,073	87,558	87,868	88,643	89,331	97,299	98,093	99,580	100,198	101,260	101,139	101,870	378,446	385,495	389,160	391,730	393,629	398,423	401,943	2
720	704	549	610	655	534	576	668	749	631	698	715	994	1,033	847	571	533	555	569	756	804	3
60,364	59,467	59,570	59,995	60,079	60,490	60,920	68,568	68,889	69,651	70,010	70,840	70,785	70,898	258,785	263,071	263,997	265,951	267,267	271,737	273,974	4
3,576	3,649	3,651	3,670	3,660	3,711	3,720	4,293	4,364	4,412	4,428	4,473	4,474	4,473	15,987	16,551	16,558	16,678	16,718	17,100	17,211	5
935	1,066	1,082	1,085	1,101	1,098	1,103	-1,923	-2,269	-2,290	-2,281	-2,324	-2,288	-2,253	2,538	3,044	2,956	2,960	2,954	2,988	3,031	6
57,724	56,884	57,001	57,410	57,519	57,877	58,303	62,352	62,255	62,950	63,301	64,043	64,022	64,172	245,335	249,563	250,396	252,233	253,503	257,626	259,794	7
15,249	15,304	15,574	15,537	15,469	15,461	15,467	20,831	20,863	21,156	21,119	21,067	21,036	21,074	70,391	70,502	71,568	71,438	71,256	71,140	71,289	8
14,249	14,773	15,046	15,221	15,534	15,839	16,138	14,784	15,724	16,105	16,475	16,864	17,075	17,657	63,565	66,001	67,728	68,614	69,439	70,414	71,664	9
235	322	405	390	408	421	466	833	1,235	1,381	1,517	1,543	1,394	1,663	2,671	3,372	4,344	4,475	4,129	3,944	4,185	10
14,014	14,451	14,641	14,831	15,126	15,418	15,672	13,952	14,490	14,724	14,958	15,321	15,681	15,994	60,895	62,629	63,384	64,139	65,309	66,470	67,478	11
43,961	43,977	43,998	44,123	43,967	44,257	44,325	54,605	54,469	55,051	55,118	55,640	55,257	55,193	202,590	205,667	205,710	206,692	207,051	210,253	211,431	12
6,239	6,414	6,528	6,671	6,771	6,883	6,923	6,390	6,511	6,660	6,804	6,987	7,012	7,022	22,451	23,288	23,654	24,204	24,647	25,154	25,420	13
10,164	9,076	9,044	9,202	9,340	9,350	9,672	7,573	7,908	7,940	8,088	8,212	8,516	8,682	33,743	34,115	34,633	35,054	35,570	36,330	37,123	14
490	475	319	376	419	292	327	-52	16	-106	-50	-41	218	235	338	48	6	21	29	201	234	15
9,674	8,601	8,725	8,825	8,921	9,058	9,344	7,625	7,892	8,046	8,138	8,253	8,298	8,448	33,405	34,067	34,627	35,033	35,541	36,129	36,889	16
720	704	549	610	655	534	576	668	749	631	698	715	994	1,033	847	571	533	555	569	756	804	17
59,645	58,763	59,021	59,386	59,424	59,956	60,344	67,900	68,140	69,020	69,312	70,125	69,791	69,865	257,938	262,499	263,465	265,396	266,698	270,981	273,170	18
46,794	45,618	45,730	46,006	45,941	46,270	46,620	56,140	56,204	56,992	57,172	57,827	57,356	57,501	224,135	227,831	228,259	229,788	230,654	234,193	235,966	19
115	118	119	122	123	125	125	963	993	1,007	1,076	1,071	1,076	1,087	368	381	378	393	391	405	403	20
2,975	2,972	2,929	2,954	2,952	3,231	3,184	100	102	107	107	119	122	1,433	1,465	1,414	1,408	1,382	1,399	1,480	1,480	21
1,044	1,046	1,067	1,098	1,105	1,162	1,220	643	635	666	659	681	645	677	3,127	3,213	3,282	3,107	3,180	3,286	3,427	22
3,087	3,068	3,037	3,041	3,049	3,050	3,113	4,652	4,739	4,853	4,850	4,821	4,583	4,547	16,690	17,025	16,958	17,108	17,103	17,142	17,592	23
9,144	7,921	7,996	7,913	7,796	7,883	7,982	10,694	10,279	10,285	10,139	10,274	10,084	10,036	39,334	39,640	39,278	39,283	38,782	38,383	38,555	24
4,281	4,301	4,380	4,273	4,135	4,253	4,272	8,521	8,178	8,162	8,010	8,150	7,922	7,881	23,173	23,411	23,421	23,380	23,145	22,686	22,874	25
4,864	3,620	3,618	3,641	3,662	3,630	3,709	2,173	2,101	2,123	2,129	2,124	2,162	2,155	16,161	16,228	15,857	15,903	15,637	15,697	15,682	26
2,518	2,729	2,533	2,561	2,552	2,252	2,311	4,020	4,164	4,237	4,268	4,231	4,196	4,257	12,274	12,679	12,662	12,744	12,767	13,113	13,123	27
4,458	4,522	4,512	4,524	4,548	4,600	4,632	5,166	5,234	5,284	5,343	5,338	5,282	5,240	18,336	18,549	18,615	18,906	18,946	19,270	19,275	28
2,419	2,134	2,224	2,264	2,198	2,216	2,171	2,174	2,196	2,226	2,238	2,238	2,225	2,202	9,001	9,068	9,121	9,151	9,014	9,137	9,061	29
1,864	1,879	1,869	1,822	1,851	1,780	1,773	2,161	2,062	2,017	1,988	2,040	2,002	1,997	9,606	9,446	9,477	9,328	9,310	9,523	9,581	30
2,400	2,379	2,435	2,453	2,517	2,549	2,664	3,477	3,475	3,528	3,533	3,643	3,826	3,899	17,361	17,507	17,647	17,732	17,895	18,525	19,037	31
857	862	891	919	904	928	950	1,135	1,134	1,145	1,168	1,194	1,189	1,231	3,980	4,067	4,151	4,267	4,367	4,394	4,571	32
3,289	3,208	3,204	3,222	3,247	3,378	3,351	4,709	4,655	4,666	4,669	4,696	4,677	4,696	24,161	24,347	24,460	24,462	24,544	24,777	24,823	33
767	679	680	703	675	683	714	1,742	1,708	1,743	1,660	1,746	1,737	1,786	4,128	4,444	4,254	4,381	4,392	4,703	4,773	34
2,271	2,374	2,341	2,334	2,324	2,232	2,189	2,273	2,414	2,523	2,533	2,527	2,364	2,379	8,931	9,325	9,164	9,212	9,157	9,449	9,575	35
407	415	427	444	441	469	438	605	620	633	645	662	676	645	6,771	6,911	7,026	7,198	7,504	7,808	7,768	36
5,257	5,334	5,467	5,638	5,672	5,787	5,805	6,720	6,839	7,050	7,226	7,368	7,486	7,550	31,242	32,063	32,546	33,098	33,757	34,106	34,494	37
323	329	327	332	337	318	303	599	618	635	654	722	667	686	2,485	2,541	2,615	2,641	2,658	2,732	2,619	38
1,806	1,856	1,851	1,871	1,873	1,876	1,915	2,344	2,385	2,420	2,443	2,479	2,499	2,468	7,164	7,317	7,376	7,444	7,518	7,560	7,566	39
1,792	1,792	1,821	1,790	1,776	1,751	1,782	1,962	1,951	1,971	1,973	1,989	2,021	1,994	7,742	7,842	7,835	7,925	7,987	8,211	8,245	40
12,850	13,145	13,291	13,380	13,483	13,686	13,723	11,761	11,936	12,028	12,139	12,298	12,435	12,364	33,803	34,668	35,205	35,608	36,044	36,788	37,204	41
2,924	3,061	3,091	3,130	3,178	3,272	3,302	1,943	2,024	2,042	2,121	2,191	2,261	2,241	7,173	7,486	7,627	7,668	7,819	8,096	8,282	42
1,536	1,689	1,725	1,736	1,719	1,869	1,901	270	291	295	300	294	329	340	974	1,034	1,054	1,070	1,026	1,131	1,160	43
8,390	8,396	8,475	8,513	8,586	8,544	8,520	9,547	9,621	9,691	9,719	9,813	9,845	9,783	25,656	26,148	26,524	26,870	27,199	27,561	27,782	44

Table 2. Personal Income by Major Source

[Millions of dollars,

Line	Item	Rhode Island						South Carolina							
		2001	2002				2003	2001	2002				2003		
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	32,261	32,779	33,202	33,467	33,659	34,391	34,239	101,158	102,912	104,156	104,718	105,420	107,166	107,759
2	Nonfarm personal income.....	32,245	32,762	33,186	33,450	33,642	34,376	34,224	100,614	102,377	103,808	104,297	104,893	106,803	107,362
3	Farm income (line 17).....	15	17	16	16	17	14	15	544	535	348	421	427	363	396
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	20,636	21,103	21,232	21,531	21,659	22,390	22,082	69,220	70,075	70,544	71,026	71,485	72,887	73,058
5	Less: Personal contributions for social insurance ²	1,418	1,476	1,482	1,504	1,509	1,574	1,545	4,215	4,341	4,370	4,396	4,415	4,533	4,535
6	Plus: Adjustment for residence ³	1,246	1,133	1,155	1,116	1,105	1,051	1,084	1,356	1,582	1,585	1,578	1,578	1,597	1,622
7	Equals: Net earnings by place of residence.....	20,464	20,759	20,905	21,143	21,255	21,866	21,620	66,361	67,317	67,759	68,208	68,648	69,950	70,145
8	Plus: Dividends, interest, and rent ⁴	6,024	6,039	6,152	6,128	6,092	6,078	6,074	18,080	18,147	18,533	18,473	18,375	18,352	18,361
9	Plus: Transfer payments.....	5,774	5,981	6,144	6,196	6,312	6,446	6,545	16,717	17,448	17,864	18,037	18,396	18,863	19,253
10	State unemployment insurance benefits.....	223	247	330	301	293	304	295	501	612	758	662	602	654	683
11	Transfers excluding State unemployment insurance benefits.....	5,550	5,734	5,815	5,895	6,019	6,142	6,249	16,215	16,836	17,106	17,376	17,794	18,209	18,570
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	16,613	16,952	17,012	17,223	17,272	17,884	17,544	55,676	56,177	56,542	56,744	56,950	58,057	58,022
13	Other labor income.....	2,018	2,110	2,139	2,210	2,255	2,345	2,305	7,073	7,325	7,484	7,613	7,760	7,998	8,063
14	Proprietors' income ⁵	2,004	2,041	2,080	2,098	2,133	2,161	2,233	6,471	6,573	6,519	6,669	6,775	6,832	6,973
15	Farm proprietors' income.....	1	2	1	1	1	-2	-1	375	368	180	251	255	186	215
16	Nonfarm proprietors' income.....	2,004	2,039	2,079	2,097	2,132	2,163	2,234	6,096	6,205	6,339	6,418	6,520	6,646	6,758
Earnings by industry															
17	Farm earnings.....	15	17	16	16	17	14	15	544	535	348	421	427	363	396
18	Nonfarm earnings.....	20,620	21,086	21,216	21,514	21,643	22,375	22,067	68,676	69,541	70,196	70,605	71,059	72,524	72,661
19	Private earnings.....	16,882	17,196	17,332	17,576	17,651	18,295	18,004	54,456	54,786	55,367	55,854	56,147	57,015	56,960
20	Forestry, fishing, related activities, and other ⁶	(D)	(D)	(D)	(D)	(D)	(D)	(D)	274	278	283	282	281	289	292
21	Mining.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	114	112	112	111	113	113	117
22	Utilities.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	861	848	888	899	875	948	901
23	Construction.....	1,164	1,223	1,222	1,203	1,208	1,236	1,284	5,068	5,101	5,193	5,254	5,260	5,392	5,325
24	Manufacturing.....	2,805	2,739	2,769	2,817	2,768	2,618	2,631	12,826	12,590	12,728	12,718	12,591	12,765	12,743
25	Durable goods.....	1,873	1,855	1,873	1,850	1,868	1,739	1,737	6,202	6,209	6,249	6,235	6,235	6,373	6,351
26	Nondurable goods.....	932	885	896	967	899	879	894	6,624	6,381	6,479	6,483	6,356	6,392	6,392
27	Wholesale trade.....	906	925	936	937	918	940	952	2,897	3,083	3,064	3,111	3,048	3,156	3,161
28	Retail trade.....	1,352	1,386	1,421	1,436	1,450	1,456	1,460	5,722	5,748	5,831	5,856	5,875	5,952	5,917
29	Transportation and warehousing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1,950	1,925	1,956	1,982	2,007	2,017	1,985
30	Information.....	684	698	662	693	708	757	753	1,361	1,316	1,333	1,351	1,410	1,376	1,381
31	Finance and insurance.....	1,657	1,687	1,715	1,742	1,786	1,850	1,910	3,104	3,092	3,141	3,159	3,380	3,307	3,405
32	Real estate and rental and leasing.....	272	275	274	282	285	309	315	1,206	1,247	1,278	1,302	1,277	1,227	1,233
33	Professional and technical services.....	1,449	1,493	1,510	1,477	1,472	1,538	1,545	4,084	4,169	4,036	4,140	4,174	4,304	4,365
34	Management of companies and enterprises.....	426	499	448	468	461	941	486	520	537	505	516	534	588	582
35	Administrative and waste services.....	656	655	653	653	647	632	638	3,186	3,290	3,346	3,347	3,399	3,385	3,326
36	Educational services.....	667	678	684	712	719	764	743	513	523	537	544	561	571	570
37	Health care and social assistance.....	2,680	2,745	2,817	2,912	2,970	2,978	3,012	5,308	5,395	5,492	5,605	5,640	5,900	5,977
38	Arts, entertainment, and recreation.....	200	203	206	213	217	222	214	659	665	672	673	677	695	679
39	Accommodation and food services.....	675	696	699	707	719	712	695	2,674	2,707	2,785	2,805	2,825	2,850	2,831
40	Other services, except public administration.....	556	565	569	572	576	576	584	2,129	2,160	2,188	2,199	2,221	2,180	2,170
41	Government and government enterprises.....	3,738	3,889	3,884	3,938	3,992	4,080	4,063	14,219	14,754	14,830	14,751	14,912	15,508	15,701
42	Federal, civilian.....	746	777	779	797	817	838	848	1,727	1,772	1,798	1,809	1,844	1,908	1,914
43	Military.....	367	399	388	400	399	430	409	2,084	2,331	2,417	2,357	2,323	2,502	2,622
44	State and local.....	2,625	2,714	2,716	2,741	2,776	2,812	2,806	10,408	10,651	10,615	10,585	10,745	11,099	11,166

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II¹—Continued
seasonally adjusted at annual rates]

South Dakota						Tennessee						Texas						Line						
2001		2002				2003		2001		2002				2003		2001			2002				2003	
IV	I	II	III	IV	I'	II ^o	IV	I	II	III	IV	I'	II ^o	IV	I	II	III		IV	I'	II ^o	IV		
20,347	20,043	20,095	20,466	20,660	21,632	21,959	154,751	156,391	158,810	159,256	160,411	162,260	163,441	609,717	611,202	618,643	620,373	624,021	626,753	633,709	1			
19,508	19,570	19,871	20,142	20,315	20,490	20,650	154,443	156,057	158,482	158,930	160,071	162,153	163,362	606,956	608,227	616,280	617,798	621,257	623,233	629,862	2			
839	473	225	324	344	1,142	1,309	308	334	328	327	340	106	79	2,761	2,975	2,363	2,575	2,764	3,519	3,847	3			
13,892	13,552	13,490	13,843	13,994	14,920	15,180	113,122	114,828	116,225	116,615	117,397	118,900	119,647	474,868	473,387	477,676	478,929	481,618	482,990	488,750	4			
894	909	920	938	944	959	965	6,873	7,086	7,160	7,178	7,210	7,365	7,401	26,703	27,139	27,339	27,362	27,417	27,565	27,749	5			
-221	-280	-285	-293	-296	-297	-299	-1,336	-2,289	-2,320	-2,313	-2,321	-2,352	-2,365	-1,065	-1,152	-1,159	-1,152	-1,145	-1,131	-1,141	6			
12,776	12,362	12,285	12,612	12,754	13,663	13,916	104,913	105,453	106,746	107,123	107,865	109,183	109,880	447,100	445,095	449,179	450,415	453,056	454,295	459,860	7			
4,694	4,717	4,803	4,808	4,809	4,818	4,842	23,953	23,966	24,449	24,299	24,110	23,988	23,945	89,702	89,942	91,686	91,384	90,929	90,756	90,801	8			
2,876	2,964	3,007	3,046	3,097	3,151	3,201	25,885	26,972	27,615	27,834	28,437	29,088	29,615	72,914	76,166	77,778	78,574	80,037	81,702	83,048	9			
27	32	40	43	38	37	40	664	830	1,072	891	873	908	900	2,175	3,120	3,729	3,522	3,428	3,551	3,556	10			
2,849	2,931	2,967	3,003	3,059	3,114	3,162	25,221	26,142	26,542	26,943	27,564	28,180	28,715	70,739	73,045	74,049	75,052	76,608	78,151	79,492	11			
10,148	10,130	10,245	10,423	10,487	10,574	10,628	86,776	87,737	88,630	88,640	88,976	90,228	90,590	353,708	352,139	354,666	354,092	354,569	353,903	355,945	12			
1,337	1,371	1,408	1,464	1,500	1,518	1,539	10,075	10,404	10,646	10,847	11,046	11,293	11,408	39,956	40,793	41,736	42,551	43,403	43,813	44,313	13			
2,407	2,051	1,836	1,956	2,007	2,828	3,013	16,271	16,687	16,949	17,128	17,375	17,378	17,649	81,204	80,544	81,274	82,287	83,646	85,274	88,492	14			
691	323	74	172	191	984	1,146	124	153	146	142	154	-86	-118	1,780	1,995	1,377	1,576	1,754	2,481	2,780	15			
1,716	1,727	1,762	1,784	1,816	1,844	1,867	16,147	16,534	16,803	16,986	17,222	17,464	17,767	79,424	78,459	79,897	80,711	81,893	82,793	85,711	16			
839	473	225	324	344	1,142	1,309	308	334	328	327	340	106	79	2,761	2,975	2,363	2,575	2,764	3,519	3,847	17			
13,053	13,079	13,265	13,518	13,650	13,778	13,871	112,814	114,494	115,898	116,288	117,057	118,794	119,568	472,107	470,412	475,314	476,354	478,854	479,471	484,902	18			
10,384	10,411	10,529	10,707	10,804	10,928	10,976	96,926	98,136	99,368	99,532	100,346	101,620	102,186	402,316	398,177	401,996	402,027	403,406	401,610	405,918	19			
65	67	68	70	70	73	72	216	220	221	227	225	228	231	974	1,006	1,008	1,038	1,047	1,054	1,065	20			
73	66	63	62	62	60	62	263	222	241	227	223	223	238	21,414	20,622	20,835	20,964	21,731	21,089	22,288	21			
137	149	138	146	153	138	143	271	268	279	278	281	284	298	10,703	10,580	10,427	10,783	10,902	10,164	10,660	22			
886	893	915	921	944	948	925	6,237	6,207	6,180	6,172	6,178	6,234	6,261	32,336	32,493	32,622	32,432	32,575	32,229	32,913	23			
1,439	1,399	1,397	1,412	1,416	1,427	1,426	19,579	19,634	19,865	19,773	19,860	19,856	19,974	60,575	56,307	57,882	56,727	56,654	55,835	55,869	24			
939	954	948	949	957	960	959	11,694	11,992	12,147	12,045	12,126	12,052	12,142	35,196	34,357	35,730	34,640	34,507	33,471	33,491	25			
500	445	449	462	460	467	467	7,885	7,641	7,718	7,728	7,734	7,804	7,832	25,379	21,950	22,153	22,087	22,148	22,364	22,378	26			
717	718	726	746	732	744	742	6,228	6,372	6,437	6,510	6,473	6,647	6,725	28,856	28,860	29,059	28,855	28,625	28,725	28,864	27			
1,108	1,125	1,132	1,154	1,148	1,198	1,192	9,025	9,128	9,237	9,211	9,363	9,340	9,384	33,115	33,363	33,527	33,486	33,392	33,361	33,335	28			
417	411	417	421	418	416	414	6,355	6,315	6,419	6,411	6,433	6,570	6,502	21,433	20,045	20,558	21,075	21,037	20,331	20,312	29			
292	292	290	288	293	298	301	2,906	2,878	2,851	2,842	2,925	2,955	2,980	19,998	19,630	18,995	18,519	18,378	18,617	18,502	30			
1,008	991	999	1,020	1,035	1,041	1,071	6,323	6,276	6,290	6,400	6,497	6,615	6,793	29,405	29,134	29,858	29,735	30,317	30,549	31,635	31			
133	138	140	142	145	144	152	1,535	1,570	1,643	1,609	1,622	1,676	1,753	9,939	10,298	10,382	10,461	10,621	10,288	10,682	32			
507	509	510	520	527	534	529	7,049	7,116	7,366	7,226	7,267	7,538	7,551	40,667	40,214	40,335	40,386	39,985	40,126	39,942	33			
268	237	252	252	261	228	241	1,266	1,324	1,329	1,267	1,266	1,407	1,431	2,835	3,037	2,944	2,996	3,006	3,214	3,246	34			
355	341	345	347	350	340	336	5,650	5,916	5,971	5,980	5,960	5,642	5,715	18,353	19,435	19,003	18,775	18,424	18,622	18,836	35			
141	144	149	156	149	160	158	1,417	1,496	1,496	1,545	1,571	1,668	1,657	3,557	3,573	3,648	3,746	3,812	3,873	3,810	36			
1,714	1,788	1,813	1,867	1,908	1,991	2,022	13,158	13,457	13,750	14,005	14,303	14,570	14,699	37,108	37,874	38,960	39,878	40,533	41,182	41,643	37			
161	164	165	166	164	169	165	1,519	1,677	1,620	1,582	1,600	1,844	1,614	3,122	3,357	3,451	3,559	3,597	3,624	3,486	38			
538	552	563	574	586	581	577	4,390	4,517	4,588	4,638	4,671	4,711	4,733	15,159	15,484	15,573	15,679	15,787	15,869	15,963	39			
424	427	447	445	441	437	447	3,537	3,545	3,583	3,629	3,627	3,613	3,648	12,767	12,863	12,927	12,933	12,983	12,861	12,867	40			
2,669	2,669	2,736	2,811	2,846	2,850	2,895	15,888	16,358	16,529	16,756	16,711	17,173	17,381	69,790	72,235	73,318	74,327	75,448	77,861	78,984	41			
645	676	693	714	727	729	749	3,475	3,681	3,719	3,661	3,710	3,918	4,014	11,418	11,957	12,104	12,222	12,589	13,055	13,238	42			
254	283	289	298	298	321	332	538	564	571	571	540	582	604	7,025	7,748	7,875	7,960	7,924	8,594	8,827	43			
1,770	1,709	1,754	1,799	1,822	1,800	1,815	11,876	12,112	12,240	12,524	12,460	12,674	12,763	51,347	52,530	53,338	54,145	54,935	56,212	56,920	44			

Table 2. Personal Income by Major Source
[Millions of dollars,

Line	Item	Utah						Vermont							
		2001		2002		2003		2001		2002		2003			
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	55,122	55,522	55,771	55,952	56,568	56,692	57,241	17,752	17,900	18,093	18,238	18,439	18,547	18,734
2	Nonfarm personal income.....	54,834	55,229	55,581	55,725	56,325	56,406	56,940	17,622	17,809	18,018	18,156	18,355	18,453	18,631
3	Farm income (line 17).....	288	293	190	227	243	286	301	131	91	76	81	83	94	102
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	42,434	42,631	42,532	42,669	43,256	43,304	43,741	12,075	12,135	12,190	12,274	12,420	12,483	12,619
5	Less: Personal contributions for social insurance ²	2,427	2,482	2,473	2,475	2,502	2,516	2,537	767	787	790	795	803	810	818
6	Plus: Adjustment for residence ³	25	-2	1	4	4	9	9	136	126	136	132	128	132	127
7	Equals: Net earnings by place of residence.....	40,033	40,148	40,060	40,198	40,756	40,797	41,212	11,444	11,473	11,536	11,610	11,745	11,805	11,928
8	Plus: Dividends, interest, and rent ⁴	9,042	9,068	9,249	9,213	9,159	9,140	9,136	3,690	3,704	3,770	3,772	3,769	3,773	3,789
9	Plus: Transfer payments.....	6,046	6,306	6,462	6,541	6,651	6,755	6,892	2,619	2,722	2,787	2,856	2,924	2,970	3,017
10	State unemployment insurance benefits.....	251	313	383	375	352	324	345	88	100	125	153	160	144	138
11	Transfers excluding State unemployment insurance benefits.....	5,795	5,993	6,079	6,166	6,299	6,432	6,547	2,531	2,622	2,662	2,702	2,764	2,825	2,878
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	33,946	34,007	33,880	33,827	34,173	34,106	34,370	9,437	9,485	9,517	9,552	9,641	9,661	9,747
13	Other labor income.....	4,285	4,399	4,456	4,564	4,697	4,732	4,785	1,109	1,138	1,158	1,188	1,220	1,233	1,256
14	Proprietors' income ⁵	4,203	4,225	4,196	4,278	4,386	4,466	4,586	1,530	1,512	1,515	1,533	1,559	1,589	1,616
15	Farm proprietors' income.....	177	178	74	109	124	164	175	70	28	12	17	19	28	34
16	Nonfarm proprietors' income.....	4,026	4,048	4,122	4,169	4,262	4,302	4,411	1,460	1,484	1,503	1,516	1,541	1,561	1,582
Earnings by industry															
17	Farm earnings.....	288	293	190	227	243	286	301	131	91	76	81	83	94	102
18	Nonfarm earnings.....	42,146	42,338	42,342	42,442	43,013	43,017	43,440	11,945	12,043	12,115	12,192	12,337	12,389	12,517
19	Private earnings.....	34,031	33,988	33,942	33,927	34,359	34,245	34,621	9,957	10,020	10,066	10,133	10,221	10,209	10,307
20	Forestry, fishing, related activities, and other ⁶	39	39	39	40	40	42	41	58	59	58	60	60	61	62
21	Mining.....	479	448	457	440	454	461	460	44	44	43	42	41	43	45
22	Utilities.....	350	462	364	346	370	187	195	173	180	185	193	197	186	194
23	Construction.....	2,994	2,886	2,890	2,900	3,066	2,962	3,084	828	840	825	815	822	819	797
24	Manufacturing.....	5,061	4,858	4,861	4,879	4,808	4,949	4,992	2,145	2,078	2,051	2,052	1,995	1,908	1,923
25	Durable goods.....	3,538	3,413	3,425	3,408	3,337	3,456	3,469	1,651	1,607	1,598	1,603	1,546	1,447	1,468
26	Nondurable goods.....	1,523	1,445	1,435	1,472	1,471	1,493	1,523	493	471	453	449	449	461	455
27	Wholesale trade.....	1,998	1,993	2,018	2,045	2,024	1,974	1,971	485	507	510	499	498	509	526
28	Retail trade.....	3,221	3,322	3,342	3,331	3,354	3,454	3,478	1,047	1,063	1,068	1,084	1,098	1,101	1,111
29	Transportation and warehousing.....	1,990	1,934	1,932	1,940	1,941	1,950	1,969	279	274	281	292	288	284	289
30	Information.....	1,597	1,517	1,516	1,481	1,444	1,468	1,477	309	299	307	305	307	309	315
31	Finance and insurance.....	2,456	2,393	2,489	2,568	2,660	2,568	2,625	596	596	603	603	636	655	674
32	Real estate and rental and leasing.....	568	608	601	606	636	640	677	123	131	131	133	137	137	142
33	Professional and technical services.....	3,242	3,180	3,241	3,195	3,262	3,344	3,410	883	897	892	906	912	938	951
34	Management of companies and enterprises.....	1,226	998	1,027	1,014	1,019	1,000	1,017	16	19	19	17	17	25	17
35	Administrative and waste services.....	1,554	1,623	1,629	1,581	1,584	1,482	1,440	281	283	285	297	309	292	293
36	Educational services.....	641	710	605	670	664	686	657	330	335	350	336	356	366	359
37	Health care and social assistance.....	3,125	3,192	3,263	3,266	3,397	3,495	3,550	1,363	1,396	1,434	1,470	1,516	1,523	1,546
38	Arts, entertainment, and recreation.....	498	699	582	543	538	486	464	91	97	100	100	90	103	105
39	Accommodation and food services.....	1,341	1,451	1,407	1,416	1,427	1,437	1,440	551	570	573	579	592	591	597
40	Other services, except public administration.....	1,650	1,672	1,680	1,664	1,670	1,659	1,674	356	351	353	351	352	361	359
41	Government and government enterprises.....	8,116	8,350	8,400	8,516	8,655	8,772	8,819	1,988	2,024	2,048	2,060	2,116	2,180	2,210
42	Federal, civilian.....	2,039	2,093	2,115	2,209	2,323	2,352	2,377	351	348	355	369	384	399	411
43	Military.....	491	542	561	576	564	616	634	78	81	81	85	78	84	91
44	State and local.....	5,586	5,715	5,724	5,731	5,767	5,805	5,808	1,559	1,595	1,612	1,606	1,654	1,698	1,708

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II¹—Continued
seasonally adjusted at annual rates]

Virginia							Washington							West Virginia							Line
2001		2002			2003		2001		2002			2003		2001		2002			2003		
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	
233,388	234,661	238,366	239,670	240,605	244,050	246,116	190,868	194,342	198,138	200,086	200,319	202,505	206,184	41,608	42,198	42,467	42,689	42,944	43,406	43,608	1
232,934	234,341	238,066	239,363	240,289	243,667	245,689	189,729	192,984	196,779	198,715	198,927	200,707	204,304	41,595	42,172	42,459	42,673	42,925	43,462	43,655	2
454	319	300	307	316	383	428	1,139	1,358	1,359	1,372	1,392	1,798	1,881	13	26	9	16	19	-56	-48	3
169,097	169,871	171,949	173,268	173,766	177,674	179,486	135,517	136,888	139,451	141,060	141,014	142,956	146,427	25,961	26,269	26,218	26,355	26,474	26,832	26,889	4
10,211	10,402	10,510	10,584	10,589	10,890	10,981	8,360	8,546	8,696	8,799	8,764	8,915	9,139	1,693	1,740	1,733	1,740	1,744	1,784	1,785	5
8,276	7,896	8,054	8,022	8,288	7,801	7,795	2,144	2,665	2,681	2,682	2,739	2,700	2,658	465	493	527	538	539	543	560	6
167,162	167,366	169,493	170,706	171,465	174,585	176,300	129,301	131,007	133,436	134,943	134,989	136,742	139,946	24,733	25,022	25,012	25,153	25,269	25,591	25,644	7
42,142	42,281	43,220	42,981	42,623	42,510	42,402	36,327	36,451	37,231	37,103	36,900	36,840	36,856	7,090	7,100	7,213	7,184	7,145	7,125	7,120	8
24,084	25,014	25,652	25,983	26,516	26,955	27,414	25,240	26,885	27,470	28,040	28,430	28,923	29,382	9,785	10,076	10,243	10,352	10,530	10,690	10,824	9
633	750	1,035	1,013	998	894	880	1,745	2,580	2,813	3,031	2,875	2,826	2,814	153	198	258	260	272	268	259	10
23,451	24,263	24,617	24,970	25,518	26,062	26,534	23,495	24,305	24,657	25,009	25,555	26,097	26,566	9,632	9,878	9,985	10,092	10,258	10,423	10,566	11
137,464	137,232	138,627	139,267	139,237	142,165	143,221	109,025	109,303	111,200	112,238	111,723	112,820	115,556	20,377	20,533	20,444	20,485	20,519	20,831	20,829	12
18,840	19,517	20,001	20,529	20,846	21,553	21,877	12,222	12,590	12,971	13,357	13,569	13,806	14,133	2,832	2,924	2,958	3,022	3,088	3,157	3,169	13
12,793	13,123	13,320	13,472	13,683	13,957	14,388	14,269	14,995	15,280	15,464	15,722	16,330	16,739	2,752	2,811	2,815	2,849	2,866	2,844	2,892	14
237	105	84	88	94	155	194	3	200	194	191	199	572	621	-14	-1	-19	-12	-9	-85	-78	15
12,556	13,018	13,237	13,384	13,588	13,801	14,195	14,266	14,795	15,086	15,273	15,523	15,758	16,118	2,766	2,813	2,835	2,861	2,876	2,928	2,969	16
454	319	300	307	316	383	428	1,139	1,358	1,359	1,372	1,392	1,798	1,881	13	26	9	16	19	-56	-48	17
168,643	169,552	171,649	172,961	173,451	177,291	179,059	134,377	135,530	138,092	139,688	139,621	141,158	144,546	25,948	26,243	26,209	26,339	26,455	26,888	26,937	18
129,185	128,310	129,895	130,560	130,711	133,024	134,011	108,682	109,196	111,270	112,443	111,930	112,868	115,904	20,201	20,375	20,294	20,342	20,368	20,647	20,714	19
215	222	222	228	224	224	231	1,215	1,276	1,277	1,347	1,350	1,437	1,390	83	85	84	87	85	85	88	20
1,039	1,000	995	980	1,000	981	1,025	237	226	228	220	221	230	247	1,473	1,487	1,387	1,370	1,400	1,424	1,487	21
1,500	1,592	1,569	1,512	1,521	1,729	1,586	505	476	563	477	480	491	520	460	457	472	439	458	458	472	22
10,808	10,878	10,847	10,910	10,875	10,968	11,302	9,202	9,385	9,556	9,660	9,701	9,798	10,041	1,784	1,729	1,640	1,623	1,522	1,564	1,511	23
15,412	14,862	15,195	15,012	14,826	15,116	15,051	16,992	17,670	16,924	17,107	16,945	16,447	15,844	3,269	3,237	3,235	3,215	3,213	3,191	3,211	24
9,109	8,706	8,905	8,784	8,627	8,918	8,882	12,830	13,375	12,750	12,521	12,619	12,509	11,936	1,789	1,798	1,815	1,792	1,782	1,734	1,742	25
6,303	6,156	6,290	6,227	6,199	6,198	6,169	4,162	4,295	4,173	4,586	4,326	3,938	3,907	1,479	1,439	1,420	1,423	1,430	1,458	1,469	26
6,540	6,584	6,652	6,647	6,609	6,762	6,804	6,727	6,901	6,861	6,843	6,764	7,032	7,093	1,010	1,016	1,017	1,025	1,016	1,000	997	27
10,152	10,297	10,421	10,528	10,564	10,493	10,537	9,362	9,583	9,730	9,858	9,819	10,045	10,066	2,008	2,031	2,033	2,060	2,065	2,088	2,077	28
4,817	4,774	4,978	4,932	4,910	4,905	4,894	4,198	4,170	4,268	4,328	4,252	4,223	4,183	857	867	873	873	861	901	894	29
10,088	8,825	8,835	8,703	8,500	8,177	8,160	12,005	10,422	11,738	12,494	11,283	10,992	13,739	546	556	546	551	564	580	583	30
8,233	8,425	8,434	8,496	8,769	9,086	9,295	6,555	6,504	6,765	6,755	6,990	7,215	7,429	871	888	905	906	909	925	950	31
2,628	2,674	2,697	2,763	2,764	2,805	2,900	2,365	2,423	2,465	2,492	2,554	2,627	2,732	241	249	255	265	270	267	279	32
22,743	22,446	22,750	22,930	23,383	24,008	24,158	10,993	11,000	11,140	11,176	11,164	11,486	11,531	1,358	1,384	1,410	1,437	1,458	1,473	1,497	33
5,216	5,196	5,416	5,547	5,143	5,681	5,756	2,256	2,333	2,359	2,321	2,413	2,533	2,579	148	141	146	145	144	143	147	34
5,482	5,867	5,665	5,706	5,591	5,775	5,921	4,374	4,780	4,906	4,605	4,875	4,817	4,851	691	702	695	691	683	687	687	35
1,567	1,613	1,647	1,705	1,774	1,819	1,759	1,016	1,014	1,035	1,050	1,077	1,102	1,080	181	174	173	174	178	189	183	36
11,968	12,141	12,477	12,835	13,060	13,134	13,310	11,495	11,737	12,003	12,219	12,527	12,698	12,878	3,355	3,459	3,501	3,538	3,578	3,682	3,695	37
1,155	1,213	1,310	1,231	1,214	1,227	1,142	1,321	1,331	1,386	1,410	1,372	1,443	1,437	264	284	281	286	293	303	291	38
4,351	4,432	4,464	4,531	4,582	4,646	4,706	4,201	4,224	4,301	4,343	4,376	4,417	4,413	856	878	883	897	903	925	910	39
5,269	5,291	5,322	5,364	5,402	5,490	5,475	3,663	3,740	3,765	3,738	3,765	3,835	3,851	745	750	757	762	768	761	760	40
39,459	41,241	41,754	42,401	42,739	44,267	45,048	25,696	26,334	26,822	27,246	27,692	28,290	28,642	5,747	5,868	5,915	5,997	6,087	6,241	6,223	41
11,765	12,294	12,448	12,641	12,806	13,221	13,458	4,602	4,758	4,855	4,994	5,096	5,188	5,258	1,399	1,457	1,470	1,489	1,513	1,559	1,573	42
8,874	9,883	10,080	10,359	10,235	11,105	11,425	3,169	3,506	3,619	3,690	3,718	4,013	4,095	206	212	218	217	201	213	217	43
18,820	19,064	19,227	19,401	19,698	19,942	20,166	17,925	18,071	18,348	18,562	18,877	19,089	19,289	4,142	4,199	4,226	4,291	4,374	4,469	4,433	44

Table 2. Personal Income by Major Source
[Millions of dollars,

Line	Item	Wisconsin						Wyoming							
		2001	2002				2003	2001	2002				2003		
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	158,651	160,906	162,839	163,937	165,182	166,691	168,066	14,904	14,996	15,095	15,271	15,469	15,598	15,797
2	Nonfarm personal income.....	158,115	160,210	162,645	163,482	164,695	165,855	167,140	14,771	14,914	15,085	15,243	15,397	15,524	15,690
3	Farm income (line 17).....	536	696	193	455	487	837	926	133	83	10	27	72	74	106
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44)	109,834	111,061	111,953	112,862	113,830	115,059	115,887	9,917	9,935	9,928	10,066	10,207	10,310	10,442
5	Less: Personal contributions for social insurance ²	6,853	7,022	7,099	7,137	7,183	7,286	7,328	602	617	619	627	632	642	646
6	Plus: Adjustment for residence ³	2,697	2,923	2,959	2,979	2,964	2,967	2,965	-45	-47	-46	-46	-47	-48	-48
7	Equals: Net earnings by place of residence.....	105,679	106,963	107,814	108,705	109,611	110,740	111,523	9,270	9,272	9,263	9,393	9,529	9,621	9,748
8	Plus: Dividends, interest, and rent ⁴	31,496	31,584	32,114	32,106	32,077	32,070	32,204	3,868	3,890	3,965	3,980	3,992	4,006	4,041
9	Plus: Transfer payments.....	21,476	22,359	22,911	23,127	23,494	23,881	24,339	1,767	1,834	1,867	1,899	1,948	1,970	2,008
10	State unemployment insurance benefits.....	933	1,176	1,449	1,386	1,321	1,279	1,364	29	43	52	60	73	59	65
11	Transfers excluding State unemployment insurance benefits.....	20,543	21,183	21,462	21,741	22,173	22,602	22,974	1,738	1,792	1,815	1,839	1,875	1,911	1,943
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	89,957	90,328	91,303	91,565	92,099	92,746	93,188	7,468	7,485	7,510	7,584	7,637	7,702	7,749
13	Other labor income.....	10,695	10,974	11,213	11,475	11,732	11,869	11,974	922	952	969	1,002	1,025	1,046	1,061
14	Proprietors' income ⁵	9,182	9,759	9,437	9,823	9,998	10,444	10,725	1,527	1,498	1,449	1,480	1,546	1,563	1,632
15	Farm proprietors' income.....	-97	29	-478	-226	-201	129	199	53	-1	-74	-58	-14	-14	15
16	Nonfarm proprietors' income.....	9,279	9,730	9,915	10,049	10,200	10,315	10,526	1,474	1,499	1,522	1,538	1,560	1,578	1,617
Earnings by industry															
17	Farm earnings.....	536	696	193	455	487	837	926	133	83	10	27	72	74	106
18	Nonfarm earnings.....	109,298	110,365	111,760	112,407	113,343	114,222	114,960	9,784	9,853	9,918	10,038	10,135	10,236	10,336
19	Private earnings.....	92,765	93,519	94,952	95,375	96,108	96,772	97,326	7,445	7,441	7,485	7,543	7,604	7,646	7,709
20	Forestry, fishing, related activities, and other ⁶	243	254	256	265	266	270	271	48	48	50	51	50	50	51
21	Mining.....	205	194	200	204	208	195	200	1,361	1,366	1,339	1,331	1,321	1,360	1,425
22	Utilities.....	974	902	895	884	873	889	906	(D)	(D)	(D)	(D)	(D)	(D)	(D)
23	Construction.....	7,149	7,105	7,187	7,331	7,312	7,178	7,172	946	938	938	936	932	913	895
24	Manufacturing.....	24,943	25,002	25,288	25,313	25,303	25,082	25,038	477	456	456	461	450	447	452
25	Durable goods.....	15,624	15,857	16,032	15,998	15,977	16,163	16,068	192	211	215	215	212	217	213
26	Nondurable goods.....	9,319	9,144	9,255	9,316	9,325	8,919	8,970	285	246	241	246	238	230	239
27	Wholesale trade.....	5,722	5,741	5,993	5,895	5,885	5,842	5,913	331	327	335	332	328	335	332
28	Retail trade.....	7,913	7,644	7,956	7,800	7,746	7,979	8,093	713	719	726	741	743	745	743
29	Transportation and warehousing.....	3,775	3,839	3,820	3,868	3,903	3,996	3,983	(D)	(D)	(D)	(D)	(D)	(D)	(D)
30	Information.....	2,744	2,672	2,722	2,649	2,648	2,710	2,729	(D)	(D)	(D)	(D)	(D)	(D)	(D)
31	Finance and insurance.....	6,390	6,433	6,550	6,568	6,766	7,003	7,282	327	292	302	298	302	334	314
32	Real estate and rental and leasing.....	1,111	1,135	1,164	1,179	1,199	1,201	1,250	152	164	169	174	174	174	187
33	Professional and technical services.....	6,030	6,003	6,025	6,064	6,153	6,258	6,315	521	506	505	516	550	525	537
34	Management of companies and enterprises.....	1,992	2,499	2,390	2,435	2,618	2,794	2,772	30	38	33	31	54	35	35
35	Administrative and waste services.....	3,394	3,507	3,574	3,572	3,580	3,526	3,537	231	230	231	233	231	233	234
36	Educational services.....	1,204	1,229	1,247	1,290	1,305	1,355	1,333	32	31	32	54	33	32	30
37	Health care and social assistance.....	11,848	12,024	12,364	12,718	12,980	13,049	13,125	660	677	684	706	730	740	750
38	Arts, entertainment, and recreation.....	894	956	952	942	949	889	852	116	97	108	106	106	110	107
39	Accommodation and food services.....	3,234	3,306	3,326	3,363	3,381	3,451	3,417	447	484	476	484	493	510	508
40	Other services, except public administration.....	2,998	3,073	3,042	3,037	3,033	3,103	3,137	(D)	(D)	(D)	(D)	(D)	(D)	(D)
41	Government and government enterprises.....	16,533	16,846	16,808	17,032	17,235	17,450	17,634	2,338	2,411	2,433	2,495	2,531	2,591	2,627
42	Federal, civilian.....	1,839	1,901	1,937	1,958	1,988	2,015	2,034	437	451	453	473	477	490	500
43	Military.....	383	400	408	409	385	417	431	220	242	244	247	245	266	274
44	State and local.....	14,312	14,545	14,463	14,665	14,862	15,018	15,169	1,681	1,719	1,736	1,775	1,809	1,835	1,853

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II ¹—Continued
 seasonally adjusted at annual rates]

New England							Midwest							Line
2001		2002			2003		2001		2002			2003		
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	
519,362	524,249	531,524	532,245	533,241	537,534	539,718	1,631,164	1,644,672	1,662,445	1,668,240	1,674,725	1,683,917	1,700,245	1
518,772	523,725	531,066	531,752	532,732	536,953	539,117	1,628,680	1,642,610	1,660,734	1,666,379	1,672,799	1,681,743	1,697,930	2
590	523	459	493	509	581	601	2,485	2,061	1,711	1,860	1,927	2,174	2,316	3
370,026	371,419	374,669	375,020	375,524	379,414	380,248	1,182,714	1,189,812	1,196,417	1,200,492	1,205,365	1,211,098	1,223,364	4
21,797	22,233	22,380	22,395	22,357	22,744	22,747	71,604	73,151	73,334	73,523	73,619	74,391	74,975	5
7,143	8,273	8,390	8,337	8,343	8,195	8,277	-17,128	-18,238	-18,539	-18,463	-18,731	-18,119	-18,225	6
355,372	357,460	360,679	360,962	361,510	364,866	365,778	1,093,983	1,098,423	1,104,544	1,108,506	1,113,015	1,118,588	1,130,165	7
96,867	97,198	99,201	98,965	98,569	98,463	98,643	300,187	301,019	306,122	305,659	304,853	304,625	305,317	8
67,123	69,591	71,644	72,318	73,161	74,205	75,297	236,994	245,230	251,779	254,074	256,858	260,704	264,764	9
3,102	3,812	5,100	5,010	4,667	4,535	4,606	9,062	11,156	15,032	14,657	13,297	13,033	13,523	10
64,022	65,779	66,544	67,308	68,494	69,670	70,692	227,932	234,073	236,747	239,418	243,561	247,671	251,241	11
297,864	297,355	299,297	298,653	297,912	300,722	300,516	942,246	943,877	946,249	946,285	946,988	949,650	956,228	12
32,658	33,358	34,047	34,649	35,173	35,741	35,881	101,910	104,718	106,414	108,705	110,546	111,931	113,143	13
39,503	40,707	41,325	41,718	42,440	42,952	43,851	138,558	141,217	143,754	145,501	147,831	149,517	153,994	14
132	52	-15	12	23	82	88	1,126	664	305	434	485	691	792	15
39,371	40,654	41,340	41,706	42,417	42,870	43,763	137,432	140,553	143,449	145,067	147,346	148,826	153,201	16
590	523	459	493	509	581	601	2,485	2,061	1,711	1,860	1,927	2,174	2,316	17
369,435	370,896	374,210	374,527	375,015	378,833	379,647	1,180,230	1,187,750	1,194,706	1,198,631	1,203,438	1,208,924	1,221,049	18
320,969	321,453	324,039	323,964	323,958	326,889	327,527	993,810	996,458	1,002,680	1,002,618	1,006,254	1,007,467	1,017,630	19
(D)	(D)	(D)	(D)	(D)	(D)	(D)	3,005	2,979	3,125	3,157	3,584	3,274	3,371	20
(D)	(D)	(D)	(D)	(D)	(D)	(D)	2,328	2,291	2,247	2,240	2,242	2,267	2,383	21
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	22
21,974	22,700	22,371	22,228	22,395	22,217	21,891	60,792	61,423	61,270	61,938	61,776	61,770	63,447	23
50,881	49,490	49,429	48,409	47,881	47,890	47,802	111,266	111,173	110,302	110,019	109,253	109,212	109,543	24
35,980	35,459	35,419	34,463	34,149	34,004	33,884	61,209	61,843	61,708	61,317	61,130	60,216	60,542	25
14,701	14,031	14,011	13,946	13,732	13,886	13,918	50,057	49,331	48,594	48,702	48,122	48,996	49,001	26
18,418	19,016	18,973	18,701	18,245	19,473	19,598	59,127	60,134	59,996	59,940	59,808	61,450	61,577	27
24,149	24,482	24,611	24,961	24,949	25,156	25,169	68,896	69,766	70,198	71,203	71,789	72,160	72,420	28
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	29
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	30
13,948	13,900	13,686	13,493	13,477	13,620	13,602	145,700	141,264	145,710	140,067	138,649	134,310	138,493	31
40,576	39,221	41,161	41,323	41,122	40,328	41,454	129,710	129,906	130,194	129,998	130,961	130,920	131,497	32
5,581	5,750	5,786	5,964	5,894	5,942	6,125	21,069	21,639	21,861	22,106	22,775	22,758	23,496	33
40,308	39,714	39,639	39,989	38,959	39,618	39,543	129,710	129,906	130,194	129,998	130,961	130,920	131,497	34
9,920	9,907	9,737	9,445	9,635	10,134	9,489	27,741	27,447	26,538	26,971	26,378	25,522	25,759	35
11,758	12,089	11,993	12,036	11,805	11,849	11,905	39,783	41,863	41,292	41,344	41,082	41,971	42,349	36
9,979	10,255	10,436	10,680	11,070	11,137	11,052	23,524	23,759	24,264	24,977	25,767	26,401	25,932	37
39,036	39,941	40,696	41,576	42,655	43,471	43,877	114,765	116,941	118,941	121,385	123,588	126,076	127,375	38
3,454	3,483	3,550	3,594	3,551	3,667	3,516	14,321	14,474	14,926	15,087	15,312	15,374	15,118	39
10,560	10,868	10,957	11,063	11,233	11,192	11,147	(D)	(D)	(D)	(D)	(D)	(D)	(D)	40
9,027	9,196	9,259	9,277	9,334	9,381	9,401	32,446	32,689	33,019	33,405	33,940	34,122	34,219	41
48,466	49,443	50,172	50,563	51,058	51,944	52,120	186,420	191,292	192,025	196,013	197,185	201,457	203,419	42
7,766	8,083	8,144	8,285	8,403	8,632	8,741	48,969	51,198	51,802	52,478	53,152	55,055	55,725	43
1,985	2,177	2,189	2,231	2,196	2,392	2,440	7,201	7,878	7,959	8,080	7,971	8,633	8,789	44
38,715	39,183	39,839	40,047	40,459	40,920	40,939	130,250	132,216	132,264	135,455	136,062	137,769	138,905	45

Table 2. Personal Income by Major Source

[Millions of dollars,

Line	Item	Great Lakes						Plains							
		2001		2002		2003		2001		2002		2003			
		IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p
Income by place of residence															
1	Personal income (lines 4-11).....	1,364,979	1,373,198	1,396,144	1,402,919	1,409,904	1,415,750	1,423,915	569,280	576,036	580,552	585,711	589,532	596,940	602,634
2	Nonfarm personal income.....	1,361,668	1,369,319	1,395,258	1,401,387	1,407,415	1,412,627	1,420,462	564,024	568,847	576,004	580,238	583,653	588,737	593,329
3	Farm income (line 17).....	3,311	3,879	886	1,532	2,489	3,124	3,453	5,256	7,189	4,548	5,474	5,878	8,203	9,306
Derivation of personal income															
4	Earnings by place of work (lines 12-16 or 17-44).....	968,307	969,011	983,301	989,065	993,351	996,826	1,000,083	405,105	410,210	410,925	415,528	418,011	424,556	428,154
5	Less: Personal contributions for social insurance ²	57,406	58,256	59,236	59,529	59,586	60,091	60,164	25,491	26,122	26,276	26,518	26,586	27,031	27,159
6	Plus: Adjustment for residence ³	4,508	5,782	5,772	5,829	5,897	5,987	6,032	-4,470	-5,393	-5,411	-5,476	-5,503	-5,558	-5,605
7	Equals: Net earnings by place of residence.....	915,409	916,537	929,836	935,365	939,662	942,722	945,951	375,143	378,695	379,238	383,533	385,922	391,967	395,389
8	Plus: Dividends, interest, and rent ⁴	261,025	261,753	265,924	265,800	265,472	265,420	266,331	115,789	116,208	118,174	118,147	117,994	118,050	118,463
9	Plus: Transfer payments.....	186,545	194,908	200,383	201,754	204,769	207,609	211,633	78,347	81,133	83,140	84,031	85,616	86,922	88,782
10	State unemployment insurance benefits.....	7,520	8,778	12,031	11,182	10,753	10,176	11,233	2,210	2,598	3,561	3,410	3,377	3,080	3,545
11	Transfers excluding State unemployment insurance benefits.....	181,025	186,130	188,352	190,572	194,016	197,432	200,400	76,137	78,535	79,578	80,621	82,238	83,843	85,236
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	784,154	779,966	792,789	794,739	794,916	795,971	796,190	323,692	325,073	326,896	329,100	329,715	332,764	334,052
13	Other labor income.....	92,581	93,905	96,797	98,860	100,601	101,248	101,782	37,741	38,601	39,570	40,568	41,357	42,006	42,355
14	Proprietors' income ⁵	91,572	95,139	93,714	95,466	97,834	99,607	102,111	43,672	46,337	44,458	45,860	46,939	49,786	51,747
15	Farm proprietors' income.....	1,005	1,500	-1,508	-895	36	602	862	2,923	4,816	2,160	3,053	3,433	5,688	6,723
16	Nonfarm proprietors' income.....	90,566	93,639	95,222	96,361	97,797	99,005	101,249	40,750	41,521	42,298	42,807	43,507	44,097	45,025
Earnings by industry															
17	Farm earnings.....	3,311	3,879	886	1,532	2,489	3,124	3,453	5,256	7,189	4,548	5,474	5,878	8,203	9,306
18	Nonfarm earnings.....	964,996	965,132	982,415	987,533	990,862	993,703	996,630	399,949	403,021	406,377	410,054	412,133	416,353	418,848
19	Private earnings.....	825,313	823,046	839,117	842,813	844,297	846,322	848,217	335,083	336,837	339,375	342,462	343,634	347,009	349,022
20	Forestry, fishing, related activities, and other ⁶	1,042	1,076	1,077	1,112	1,120	1,129	1,140	918	959	955	991	995	1,032	1,021
21	Mining.....	4,056	3,824	3,904	3,868	3,916	3,921	4,138	1,934	1,854	1,822	1,865	1,891	1,907	1,994
22	Utilities.....	9,980	10,105	10,137	9,983	9,915	10,377	10,365	4,501	4,876	4,585	4,709	4,653	4,333	4,513
23	Construction.....	60,938	61,445	60,936	61,710	61,493	61,071	60,924	26,707	26,777	26,945	27,221	27,422	27,242	27,547
24	Manufacturing.....	186,402	184,969	191,188	191,023	190,053	189,004	189,285	59,279	58,693	59,344	59,268	58,771	59,362	59,322
25	Durable goods.....	134,306	132,214	137,681	137,271	136,741	136,207	136,298	37,329	37,534	37,972	37,937	37,937	37,949	37,649
26	Nondurable goods.....	54,096	52,755	53,507	53,752	53,312	52,797	52,986	21,950	21,159	21,372	21,331	21,195	21,432	21,673
27	Wholesale trade.....	53,808	53,761	54,543	54,804	54,321	54,346	54,470	23,419	23,902	23,966	24,391	23,835	24,586	24,786
28	Retail trade.....	64,459	64,699	65,148	65,530	65,538	65,597	65,759	28,651	28,801	29,093	29,446	29,215	29,668	29,726
29	Transportation and warehousing.....	32,893	32,575	33,228	33,658	33,648	33,739	33,567	15,940	15,773	16,078	16,224	16,288	16,392	16,316
30	Information.....	27,282	26,590	26,898	26,646	26,676	26,750	26,731	16,725	16,708	16,350	16,185	16,301	16,447	16,260
31	Finance and insurance.....	61,328	60,519	61,772	61,993	62,931	63,147	65,211	27,355	27,365	27,642	27,909	28,834	29,211	29,880
32	Real estate and rental and leasing.....	13,490	13,695	14,528	14,228	14,358	14,161	14,536	5,128	5,274	5,314	5,410	5,520	5,606	5,784
33	Professional and technical services.....	82,871	81,273	82,809	82,735	82,820	83,181	83,337	26,362	26,425	26,346	26,540	26,770	27,129	27,456
34	Management of companies and enterprises.....	23,662	23,442	25,272	25,251	24,847	25,386	25,419	13,189	12,914	12,647	12,890	12,547	12,299	12,574
35	Administrative and waste services.....	35,171	36,424	36,852	36,955	37,033	36,895	36,316	12,057	12,491	12,514	12,577	12,622	12,504	12,419
36	Educational services.....	10,344	10,466	10,730	10,892	11,220	11,404	11,091	4,756	4,770	4,945	5,010	5,122	5,222	5,186
37	Health care and social assistance.....	91,862	93,311	95,184	97,043	98,702	100,226	100,724	40,054	40,800	41,878	42,760	43,607	44,519	44,920
38	Arts, entertainment, and recreation.....	10,179	10,706	10,460	10,599	10,636	10,764	10,229	4,248	4,286	4,530	4,531	4,496	4,543	4,520
39	Accommodation and food services.....	26,265	26,687	26,856	27,151	27,360	27,404	27,278	11,798	12,012	12,121	12,184	12,296	12,434	12,381
40	Other services, except public administration.....	27,281	27,480	27,594	27,633	27,711	27,822	27,696	12,064	12,158	12,300	12,351	12,450	12,552	12,689
41	Government and government enterprises.....	139,683	142,087	143,298	144,720	146,565	147,381	148,413	64,766	66,184	67,002	67,593	68,499	69,344	69,826
42	Federal, civilian.....	19,567	20,156	20,314	20,467	20,922	21,475	21,662	10,702	11,152	11,245	11,385	11,582	11,884	12,006
43	Military.....	4,374	4,658	4,682	4,598	4,411	4,866	4,939	4,202	4,574	4,666	4,732	4,677	5,076	5,170
44	State and local.....	115,741	117,272	118,302	119,655	121,232	121,040	121,813	49,862	50,458	51,091	51,475	52,240	52,384	52,650

See the footnotes at the end of the table.

and Earnings by Industry, 2001:IV-2003:II ¹—Continued
seasonally adjusted at annual rates]

Southeast							Southwest							Line
2001	2002				2003		2001	2002				2003		
IV	I	II	III	IV	I ^r	II ^p	IV	I	II	III	IV	I ^r	II ^p	
1,921,712	1,944,902	1,968,792	1,979,094	1,995,385	2,021,336	2,039,369	878,046	882,369	892,577	896,253	902,617	907,344	917,036	1
1,909,328	1,932,942	1,960,888	1,969,709	1,985,419	2,009,619	2,026,578	873,115	876,382	888,558	891,633	897,513	901,635	910,867	2
12,384	11,960	7,903	9,385	9,965	11,717	12,791	4,931	5,986	4,019	4,621	5,104	5,709	6,169	3
1,323,812	1,336,926	1,347,666	1,356,296	1,368,382	1,390,390	1,402,341	662,273	661,783	667,194	670,037	674,808	677,353	685,069	4
80,790	82,891	83,642	84,066	84,604	86,368	86,920	38,051	38,738	39,069	39,163	39,302	39,593	39,864	5
9,288	8,554	8,740	8,716	8,923	8,416	8,441	417	566	568	586	614	637	633	6
1,252,309	1,262,590	1,272,763	1,280,946	1,292,701	1,312,438	1,323,861	624,639	623,611	628,694	631,461	636,120	638,397	645,838	7
371,858	373,086	380,247	379,235	377,558	377,153	377,479	139,260	139,670	142,384	141,929	141,222	140,993	141,052	8
297,545	309,226	315,782	318,913	325,126	331,745	338,029	114,148	119,088	121,499	122,863	125,274	127,954	130,146	9
7,066	9,056	11,392	10,308	9,983	10,116	10,765	2,960	4,166	4,952	4,691	4,583	4,764	4,785	10
290,480	300,171	304,390	308,605	315,143	321,629	327,263	111,188	114,922	116,548	118,172	120,691	123,190	125,361	11
1,051,906	1,057,696	1,067,060	1,069,777	1,075,874	1,090,513	1,096,485	499,814	498,563	502,748	502,704	504,171	504,209	507,213	12
131,768	136,098	139,242	142,310	145,629	148,979	150,580	57,971	59,312	60,752	62,017	63,330	64,009	64,756	13
140,137	143,132	141,364	144,209	146,880	150,898	155,276	104,489	103,908	103,695	105,316	107,307	109,135	113,100	14
8,460	8,081	3,999	5,426	5,964	7,602	8,564	3,177	4,210	2,232	2,808	3,273	3,827	4,235	15
131,677	135,051	137,365	138,783	140,916	143,295	146,711	101,312	99,698	101,463	102,508	104,035	105,308	108,865	16
12,384	11,960	7,903	9,385	9,965	11,717	12,791	4,931	5,986	4,019	4,621	5,104	5,709	6,169	17
1,311,428	1,324,966	1,339,762	1,346,910	1,358,417	1,378,673	1,389,549	657,342	655,797	663,175	665,417	669,704	671,644	678,899	18
1,068,435	1,074,416	1,085,835	1,090,852	1,097,748	1,111,015	1,118,781	549,534	544,696	550,162	550,924	553,591	552,503	558,138	19
(D)	(D)	(D)	(D)	(D)	(D)	(D)	1,468	1,509	1,526	1,582	1,589	1,602	1,618	20
10,262	9,930	9,699	9,646	9,709	9,736	10,073	25,943	25,074	25,226	25,355	26,157	25,854	27,042	21
(D)	(D)	(D)	(D)	(D)	(D)	(D)	12,841	12,742	12,632	13,023	13,186	12,416	13,011	22
87,208	87,437	87,340	87,255	87,392	89,260	91,475	45,608	46,169	46,037	45,862	46,182	46,132	47,140	23
168,715	167,309	168,798	167,872	167,253	167,840	167,092	82,398	76,293	78,039	76,785	76,502	75,372	75,440	24
95,311	95,372	96,608	95,589	95,304	95,591	95,152	50,252	48,914	50,471	49,255	48,878	47,507	47,464	25
73,405	71,937	72,190	72,284	71,949	72,249	71,940	32,147	27,379	27,568	27,530	27,624	27,864	27,976	26
67,546	68,606	69,374	69,572	69,067	70,164	70,481	37,604	37,813	37,938	37,752	37,479	37,315	37,562	27
98,247	98,890	99,797	100,659	101,120	101,868	101,919	47,753	48,149	48,468	48,557	48,506	48,730	48,764	28
50,789	50,169	50,807	51,047	50,998	52,104	51,662	27,626	25,960	26,586	27,205	27,193	26,443	26,361	29
(D)	(D)	(D)	(D)	(D)	(D)	(D)	25,680	25,135	24,533	23,959	23,974	24,052	23,905	30
69,845	70,896	71,690	72,347	74,328	75,323	77,455	39,375	38,946	39,996	39,853	40,943	41,182	42,546	31
22,591	23,292	23,868	24,204	24,566	24,702	25,627	13,611	14,047	14,451	14,383	14,675	14,236	14,794	32
104,468	103,438	104,939	105,415	106,509	108,791	109,433	53,760	53,208	53,495	53,750	53,284	53,637	53,467	33
26,277	26,466	26,877	26,789	26,929	26,416	26,887	5,047	5,302	5,174	5,196	5,221	5,520	5,616	34
56,732	60,208	60,483	59,969	59,799	60,868	61,511	27,331	28,726	28,310	28,089	27,736	27,843	28,032	35
12,826	13,032	13,247	13,679	14,111	14,395	14,215	5,051	5,102	5,233	5,372	5,501	5,609	5,541	36
122,529	124,380	127,076	130,335	132,019	134,658	135,793	53,528	54,663	56,247	57,656	58,610	59,700	60,403	37
15,786	16,082	16,172	16,106	16,425	16,630	15,984	4,922	5,170	5,304	5,416	5,476	5,448	5,248	38
(D)	(D)	(D)	(D)	(D)	(D)	(D)	22,029	22,561	22,707	22,899	23,075	23,226	23,391	39
39,497	39,833	40,211	40,380	40,706	40,761	41,046	17,957	18,127	18,260	18,228	18,304	18,186	18,257	40
242,993	250,550	253,928	256,059	260,669	267,658	270,769	107,808	111,101	113,014	114,493	116,113	119,140	120,762	41
46,932	48,915	49,421	50,003	51,179	52,813	53,336	19,470	20,351	20,688	20,953	21,467	22,138	22,523	42
31,808	35,306	35,882	36,355	36,128	39,311	40,465	10,589	11,685	11,886	12,029	11,979	13,029	13,373	43
164,253	166,329	168,625	169,700	173,363	175,535	176,968	77,750	79,065	80,440	81,510	82,667	83,973	84,866	44

Table 2. Personal Income by Major Source and Earnings by Industry, 2001:IV–2003:II¹—Continued

(Millions of dollars, seasonally adjusted at annual rates)

Line	Item	Rocky Mountain						Far West							
		2001		2002			2003		2001		2002			2003	
		IV	I	II	III	IV	I ^a	II ^a	IV	I	II	III	IV	I ^a	II ^a
Income by place of residence															
1	Personal income (lines 4–11).....	271,806	273,963	275,997	277,739	279,810	281,091	283,849	1,535,539	1,552,816	1,573,659	1,585,435	1,597,627	1,609,586	1,622,547
2	Nonfarm personal income.....	269,607	271,213	274,207	275,628	277,581	278,616	281,112	1,526,842	1,541,927	1,564,561	1,575,395	1,587,447	1,597,448	1,609,408
3	Farm income (line 17).....	2,199	2,750	1,790	2,112	2,229	2,474	2,737	8,696	10,889	9,099	10,040	10,180	12,138	13,138
Derivation of personal income															
4	Earnings by place of work (lines 12–16 or 17–44).....	202,762	203,732	204,003	205,546	207,327	208,100	210,144	1,115,862	1,123,859	1,133,456	1,141,537	1,153,489	1,164,100	1,173,616
5	Less: Personal contributions for social insurance ²	11,465	11,675	11,708	11,775	11,841	11,934	12,014	65,483	66,802	67,311	67,708	68,263	69,139	69,536
6	Plus: Adjustment for residence ³	523	512	526	531	535	542	553	-1,360	-1,407	-1,414	-1,432	-1,459	-1,483	-1,494
7	Equals: Net earnings by place of residence.....	191,820	192,568	192,822	194,303	196,021	196,708	198,682	1,049,018	1,055,650	1,064,731	1,072,397	1,083,767	1,093,478	1,102,586
8	Plus: Dividends, interest, and rent ⁴	50,670	50,875	51,886	51,815	51,660	51,788	52,767	294,087	301,072	299,472	296,907	296,907	296,387	295,608
9	Plus: Transfer payments.....	29,316	30,520	31,289	31,622	32,128	32,725	33,379	193,754	203,079	207,856	213,566	216,952	219,721	224,353
10	State unemployment insurance benefits.....	1,046	1,350	1,728	1,670	1,569	1,563	1,694	7,703	11,005	13,160	16,250	15,572	14,310	15,439
11	Transfers excluding State unemployment insurance benefits.....	28,270	29,170	29,561	29,953	30,560	31,162	31,685	186,051	192,074	194,697	197,316	201,380	205,411	208,913
Earnings by place of work															
Components of earnings:															
12	Wage and salary disbursements.....	156,032	155,596	155,941	156,393	157,148	157,200	158,109	872,448	871,950	878,378	881,455	888,150	893,133	897,420
13	Other labor income.....	19,172	19,679	20,029	20,531	21,006	21,191	21,390	97,542	99,820	102,035	104,581	107,119	108,583	109,579
14	Proprietors' income ⁵	27,558	28,457	28,033	28,622	29,173	29,709	30,645	145,871	152,090	153,043	155,500	158,220	162,384	166,618
15	Farm proprietors' income.....	1,092	1,595	627	933	1,037	1,249	1,478	1,362	3,410	1,571	2,406	2,463	4,204	4,988
16	Nonfarm proprietors' income.....	26,466	26,862	27,406	27,689	28,136	28,459	29,167	144,510	148,680	151,471	153,095	155,757	158,180	161,630
Earnings by industry															
17	Farm earnings.....	2,199	2,750	1,790	2,112	2,229	2,474	2,737	8,696	10,889	9,099	10,040	10,180	12,138	13,138
18	Nonfarm earnings.....	200,563	200,982	202,213	203,435	205,098	205,625	207,407	1,107,166	1,112,971	1,124,357	1,131,497	1,143,309	1,151,962	1,160,478
19	Private earnings.....	165,331	164,666	165,485	166,054	167,141	167,086	168,683	919,378	921,878	929,833	932,982	942,072	947,386	955,600
20	Forestry, fishing, related activities, and other ⁶	635	665	669	697	705	717	716	(D)	(D)	(D)	(D)	(D)	(D)	(D)
21	Mining.....	4,081	4,079	4,007	3,982	3,959	4,061	4,220	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22	Utilities.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9,406	9,529	9,794	9,924	9,896	10,470	10,420
23	Construction.....	16,937	16,606	16,819	16,810	16,871	16,652	16,834	73,377	75,081	75,876	75,854	77,057	78,589	79,921
24	Manufacturing.....	19,159	18,646	18,842	18,729	18,410	18,627	18,535	132,827	130,419	128,493	127,085	126,399	126,635	126,103
25	Durable goods.....	13,409	13,231	13,437	13,290	13,029	13,146	12,995	96,884	95,806	93,968	92,500	92,062	91,274	90,602
26	Nondurable goods.....	5,749	5,414	5,405	5,439	5,381	5,481	5,540	35,943	34,613	34,525	34,586	34,337	35,361	35,501
27	Wholesale trade.....	9,784	9,720	9,828	9,887	9,693	9,699	9,699	51,820	52,578	52,845	53,130	53,033	53,592	53,881
28	Retail trade.....	14,394	14,545	14,674	14,748	14,770	14,971	14,975	76,043	77,319	78,271	78,918	79,027	80,304	80,588
29	Transportation and warehousing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	32,170	31,929	32,496	32,946	32,926	32,831	32,543
30	Information.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	66,220	63,700	64,431	64,560	64,561	63,835	66,755
31	Finance and insurance.....	11,866	11,636	11,687	11,958	12,417	12,309	12,744	67,442	67,172	68,754	69,710	71,229	69,586	71,698
32	Real estate and rental and leasing.....	3,987	4,092	4,195	4,227	4,322	4,370	4,588	22,204	22,710	23,607	23,797	24,302	24,458	25,435
33	Professional and technical services.....	18,765	18,383	18,265	18,188	18,299	18,553	18,952	116,678	114,187	114,125	113,268	114,638	116,642	116,667
34	Management of companies and enterprises.....	3,403	3,098	3,181	3,158	3,411	3,255	3,286	25,804	25,112	25,275	24,987	25,529	24,585	24,857
35	Administrative and waste services.....	7,625	7,909	7,919	7,859	7,788	7,771	7,808	44,268	46,327	46,406	46,133	46,759	46,766	46,717
36	Educational services.....	1,740	1,805	1,704	1,820	1,836	1,896	1,850	10,822	11,069	11,378	11,551	11,913	12,260	12,122
37	Health care and social assistance.....	15,461	15,744	16,160	16,499	16,875	17,171	17,396	85,483	87,508	89,892	91,651	93,896	94,672	95,858
38	Arts, entertainment, and recreation.....	2,867	3,083	2,985	2,969	3,008	2,922	2,866	17,086	17,309	17,592	17,741	18,286	18,190	17,795
39	Accommodation and food services.....	7,239	7,468	7,497	7,550	7,577	7,747	7,725	45,143	46,540	47,423	47,854	48,286	48,780	48,738
40	Other services, except public administration.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
41	Government and government enterprises.....	35,231	36,315	36,728	37,381	37,957	38,539	38,724	187,788	191,093	194,524	198,515	201,237	204,127	204,878
42	Federal, civilian.....	7,670	7,954	7,988	8,197	8,482	8,622	8,676	27,997	29,005	29,389	30,107	30,927	31,846	32,264
43	Military.....	3,084	3,423	3,509	3,552	3,502	3,806	3,919	16,979	18,825	19,243	19,573	19,639	21,434	21,997
44	State and local.....	24,477	24,938	25,232	25,632	25,973	26,111	26,128	142,812	143,263	145,893	148,835	150,670	150,847	150,618

^a Preliminary.
^r Revised.
 D Not shown to avoid disclosure of confidential information, but the estimates for this item are included in the total.
 1. The estimates of earnings for 2001–2003 are based on the 2002 North American Industry Classification System.
 2. Personal contributions for social insurance are included in earnings by type and industry, but they are excluded from personal income.
 3. The adjustment for residence is the net inflow of the earnings of interarea commuters. For the United States, it consists of adjustments for border workers: Wage and salary disbursements to U.S. residents commuting to Canada less wage and salary disbursements to Canadian and Mexican residents commuting into the United States.
 4. Rental income of persons includes the capital consumption adjustment.
 5. Proprietors' income includes the inventory valuation adjustment and the capital consumption adjustment.
 6. "Other" consists of the wage and salary disbursements of U.S. residents employed by international organizations and foreign embassies and consulates in the United States.
 NOTE: The personal income level shown for the United States is derived as the sum of the state estimates. It differs from the estimate of personal income in the national income and product accounts (NIPAs) because of differences in coverage, in the methodologies used to prepare the estimates, and in the timing of the availability of source data. In particular, it differs from the NIPA estimate because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms.

BEA Current and Historical Data

National, International, and Regional Data

This section presents an extensive selection of economic statistics prepared by the Bureau of Economic Analysis (BEA) and a brief selection of collateral statistics prepared by other Government agencies and private organizations. Series that originate in Government agencies are not copyrighted and may be reprinted freely. Series from private sources are provided through the courtesy of the compilers and are subject to their copyrights.

BEA's economic statistics are available on BEA's Web site at <www.bea.gov>. The site contains data, articles, news releases, and other information from BEA's national, industry, international, and regional programs.

The tables present annual [A], quarterly [Q], and monthly [M] data

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National Data

A. Selected NIPA Tables

The tables in this section include the most recent estimates of gross domestic product and its components; these estimates were released on October 30, 2003, and include the "advance" estimates for the third quarter of 2003.

The selected set of NIPA tables shown in this section presents quarterly estimates, which are updated monthly. In most of these tables, annual estimates are also shown.

The news release on gross domestic product is available within minutes of the time of release, and the "Selected NIPA Tables" are available later that day on BEA's Web site <www.bea.gov>.

The "Selected NIPA Tables" are also available on printouts or diskettes from BEA. To order, call the BEA Order Desk at 1-800-704-0415 (outside the United States, 202-606-9666).

S. Summary Tables

Table S.1. Summary of Percent Change From Preceding Period in Real Gross Domestic Product and Related Measures

[Percent]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross domestic product..	.3	2.4	4.0	1.4	1.4	3.3	7.2
Personal consumption expenditures.....	2.5	3.1	4.2	1.7	2.0	3.8	6.6
Durable goods.....	6.0	7.3	22.8	-8.2	-2.0	24.3	26.9
Nondurable goods.....	2.0	3.2	1.0	5.1	6.1	1.4	7.9
Services.....	2.0	2.2	2.3	2.2	.9	1.4	2.2
Gross private domestic investment.....	-10.7	1.0	3.6	6.3	-5.3	2.0	9.3
Fixed investment.....	-3.8	-3.1	-3	4.4	-1	7.1	14.0
Nonresidential.....	-5.2	-5.7	-8	2.3	-4.4	7.3	11.1
Structures.....	-1.7	-16.4	-21.4	-9.9	-2.9	4.2	-2.4
Equipment and software.....	-6.4	-1.7	6.7	6.2	-4.8	8.3	15.4
Residential.....	.3	3.9	1.1	9.4	10.1	6.6	20.4
Change in private inventories.....							
Net exports of goods and services.....							
Exports.....	-5.4	-1.6	4.6	-5.8	-1.3	-1.0	9.3
Goods.....	-5.9	-3.6	4.1	-11.5	1.9	-1.6	7.6
Services.....	-4.0	3.2	5.9	8.0	-8.0	.5	13.2
Imports.....	-2.9	3.7	3.3	7.4	-6.2	8.8	.1
Goods.....	-3.3	3.9	3.4	6.2	-6.7	13.5	-2.6
Services.....	-5	2.1	3.1	13.0	-4.0	-11.4	13.9
Government consumption expenditures and gross investment.....	3.7	4.4	2.9	4.6	.4	8.5	1.3
Federal.....	4.8	7.5	4.3	11.0	.7	25.5	1.4
National defense.....	5.0	9.3	6.9	11.0	-3.3	45.8	.0
Nondefense.....	4.5	4.3	-3	11.1	8.4	-5.4	4.1
State and local.....	3.1	2.8	2.2	1.2	.2	-2	1.3
Addenda:							
Final sales of domestic product.....	1.5	1.8	3.4	1.1	2.3	4.0	7.8
Gross domestic purchases..	.4	3.0	3.9	2.9	.6	4.4	6.0
Final sales to domestic purchasers.....	1.6	2.4	3.3	2.6	1.4	5.1	6.6
Gross national product.....	.2	2.1	4.4	1.4	1.4	3.5	.....
Disposable personal income	1.8	4.2	1.8	1.4	1.6	2.6	7.2

NOTE. Percent changes from preceding period in the current-dollar and price measures for these series are shown in table 8.1.

Table S.2. Summary of Contributions to Percent Change in Real Gross Domestic Product

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Percent change at annual rate:							
Gross domestic product.....	.3	2.4	4.0	1.4	1.4	3.3	7.2
Percentage points at annual rates:							
Personal consumption expenditures.....	1.67	2.15	2.93	1.19	1.40	2.68	4.66
Durable goods.....	.48	.59	1.74	-.72	-.17	1.79	2.05
Nondurable goods.....	.39	.64	.22	1.01	1.21	.28	1.61
Services.....	.80	.92	.97	.90	.36	.60	1.00
Gross private domestic investment.....	-1.90	.15	.55	.93	-.83	.30	1.37
Fixed investment.....	-.65	-.50	-.03	.65	-.02	1.05	2.04
Nonresidential.....	-.66	-.68	-.08	.24	-.47	.74	1.12
Structures.....	-.05	-.52	-.62	-.25	-.07	.10	-.05
Equipment and software.....	-.61	-.15	.53	.49	-.40	.64	1.18
Residential.....	.01	.18	.05	.41	.45	.31	.92
Change in private inventories.....	-1.24	.65	.58	.28	-.82	-.74	-.67
Net exports of goods and services.....	-.18	-.67	-.01	-1.59	.78	-1.29	.84
Exports.....	-.59	-.17	.45	-.59	-.13	-.09	.88
Goods.....	-.47	-.26	.28	-.82	-.13	-.10	.50
Services.....	-.13	.09	.17	.23	-.25	.02	.38
Imports.....	.42	-.50	-.47	-1.00	.91	-1.21	-.04
Goods.....	.40	-.43	-.40	-.71	.81	-1.50	-.29
Services.....	.01	-.07	-.07	-.30	.10	.30	-.33
Government consumption expenditures and gross investment.....	.65	.81	.56	.85	.08	1.59	.27
Federal.....	.29	.47	.29	.70	.05	1.61	.11
National defense.....	.19	.37	.29	.46	-.15	1.74	.01
Nondefense.....	.10	.10	-.01	.25	.20	-.13	.10
State and local.....	.36	.34	.27	.15	.03	-.02	.16

NOTE. More detailed contributions to percent change in real gross domestic product are shown in table 8.2. Contributions to percent change in major components of real gross domestic product are shown in tables 8.3 through 8.6.

1. National Product and Income

Table 1.1. Gross Domestic Product

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross domestic product	10,082.2	10,446.2	10,506.2	10,588.8	10,688.4	10,802.7	11,038.4
Personal consumption expenditures	6,987.0	7,303.7	7,360.7	7,425.4	7,512.5	7,598.6	7,766.5
Durable goods.....	835.9	871.9	897.8	873.9	861.2	900.5	947.0
Nondurable goods.....	2,041.3	2,115.0	2,116.9	2,150.0	2,206.8	2,203.3	2,265.8
Services.....	4,109.9	4,316.8	4,346.0	4,401.5	4,444.6	4,494.8	4,553.8
Gross private domestic investment	1,586.0	1,593.2	1,597.3	1,628.1	1,611.2	1,616.5	1,656.0
Fixed investment.....	1,646.3	1,589.3	1,579.7	1,603.6	1,610.7	1,635.0	1,693.0
Nonresidential.....	1,201.6	1,117.4	1,109.8	1,117.1	1,103.4	1,119.0	1,149.8
Structures.....	324.5	269.3	259.4	254.2	254.9	257.3	257.1
Equipment and software.....	877.1	848.1	850.4	863.0	848.6	861.7	892.7
Residential.....	444.8	471.9	469.9	486.5	507.3	516.0	543.2
Change in private inventories.....	-60.3	3.9	17.6	24.5	4	-18.5	-37.0
Net exports of goods and services	-348.9	-423.6	-432.9	-476.0	-487.2	-504.6	-488.6
Exports.....	1,034.1	1,014.9	1,038.6	1,025.4	1,031.8	1,031.5	1,059.7
Goods.....	733.5	703.6	722.6	702.6	711.9	711.9	724.5
Services.....	300.6	311.3	316.0	322.8	319.9	319.6	335.1
Imports.....	1,383.0	1,438.5	1,471.5	1,501.4	1,519.0	1,536.1	1,548.3
Goods.....	1,167.2	1,192.1	1,220.9	1,242.5	1,256.1	1,274.1	1,274.3
Services.....	215.8	246.4	250.6	258.9	262.9	262.0	274.0
Government consumption expenditures and gross investment	1,858.0	1,972.9	1,981.1	2,011.3	2,052.0	2,092.2	2,104.5
Federal.....	628.1	693.7	697.7	716.9	735.2	779.8	784.4
National defense.....	399.9	447.4	451.2	464.7	471.1	518.6	520.1
Nondefense.....	228.2	246.3	246.5	252.2	264.1	261.1	264.3
State and local.....	1,229.9	1,279.2	1,283.3	1,294.4	1,316.8	1,312.5	1,320.2

NOTE. Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.2. Real Gross Domestic Product

[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross domestic product	9,214.5	9,439.9	9,485.6	9,518.2	9,552.0	9,629.4	9,797.2
Personal consumption expenditures	6,377.2	6,576.0	6,609.9	6,637.9	6,670.9	6,733.9	6,842.1
Durable goods.....	931.9	999.9	1,032.4	1,010.6	1,005.4	1,061.5	1,126.6
Nondurable goods.....	1,869.8	1,929.5	1,925.8	1,950.0	1,978.9	1,985.6	2,023.7
Services.....	3,594.9	3,675.6	3,687.0	3,707.0	3,714.9	3,728.0	3,748.5
Gross private domestic investment	1,574.6	1,589.6	1,598.0	1,622.4	1,600.4	1,608.3	1,644.5
Fixed investment.....	1,627.4	1,577.3	1,571.6	1,588.5	1,587.9	1,615.3	1,669.1
Nonresidential.....	1,255.1	1,183.4	1,178.7	1,185.3	1,172.1	1,193.0	1,224.9
Structures.....	270.9	226.4	218.2	212.6	211.0	213.2	211.9
Equipment and software.....	988.2	971.1	977.2	992.1	979.9	999.5	1,036.0
Residential.....	373.5	388.2	387.1	395.9	405.5	412.0	431.6
Change in private inventories.....	-61.4	5.2	18.8	25.8	4.8	-17.6	-35.8
Net exports of goods and services	-415.9	-488.5	-488.0	-532.2	-510.3	-546.1	-522.6
Exports.....	1,076.1	1,058.8	1,077.7	1,061.6	1,058.1	1,055.5	1,079.3
Goods.....	785.2	756.9	773.5	750.3	753.9	750.8	764.7
Services.....	292.0	301.5	304.0	310.0	303.5	303.9	313.5
Imports.....	1,492.0	1,547.4	1,565.7	1,593.8	1,568.4	1,601.7	1,602.0
Goods.....	1,270.5	1,320.1	1,340.3	1,360.8	1,337.4	1,380.4	1,371.3
Services.....	222.4	227.2	226.0	233.0	230.7	223.8	231.2
Government consumption expenditures and gross investment	1,640.4	1,712.8	1,715.6	1,735.0	1,736.7	1,772.6	1,778.3
Federal.....	570.6	613.3	615.1	631.4	632.5	669.5	671.7
National defense.....	366.0	400.0	402.5	413.2	409.7	450.2	450.2
Nondefense.....	204.4	213.3	212.7	218.3	222.8	219.7	222.0
State and local.....	1,069.4	1,099.7	1,100.6	1,104.0	1,104.6	1,104.1	1,107.6
Residual.....	22.6	19.9	12.1	22.2	25.2	22.7	-8

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Percent changes from preceding period for selected items in this table are shown in table 8.1; contributions to the percent change in real gross domestic product are shown in table 8.2.

Chain-type quantity indexes for the series in this table are shown in table 7.1.

Table 1.3. Gross Domestic Product by Major Type of Product
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross domestic product	10,082.2	10,446.2	10,506.2	10,588.8	10,688.4	10,802.7	11,038.4
Final sales of domestic product	10,142.5	10,442.4	10,488.7	10,564.3	10,688.0	10,821.2	11,075.5
Change in private inventories	-60.3	3.9	17.6	24.5	.4	-18.5	-37.0
Goods	3,593.7	3,694.1	3,732.7	3,720.4	3,735.5	3,750.6	3,888.2
Final sales	3,654.0	3,690.2	3,715.2	3,695.9	3,735.0	3,769.1	3,925.2
Change in private inventories	-60.3	3.9	17.6	24.5	.4	-18.5	-37.0
Durable goods	1,611.4	1,644.8	1,683.1	1,662.7	1,639.4	1,659.1	1,731.3
Final sales	1,676.4	1,643.7	1,678.3	1,638.2	1,627.8	1,673.4	1,763.4
Change in private inventories	-65.0	1.1	4.8	24.5	11.6	-14.3	-32.1
Nondurable goods	1,982.3	2,049.3	2,049.6	2,057.7	2,096.0	2,091.5	2,156.8
Final sales	1,977.6	2,046.5	2,036.9	2,057.8	2,107.3	2,095.7	2,161.7
Change in private inventories	4.7	2.8	12.7	-1	-11.2	-4.1	-4.9
Services	5,535.1	5,814.7	5,849.7	5,930.9	5,993.0	6,080.8	6,147.2
Structures	953.3	937.5	923.8	937.5	960.0	971.2	1,003.1
Addenda:							
Motor vehicle output	312.0	344.2	360.7	349.7	347.4	340.9	370.8
Gross domestic product less motor vehicle output	9,770.2	10,102.0	10,145.5	10,239.1	10,341.1	10,461.8	10,667.7

1. Estimates for durable goods and nondurable goods for 1997 and earlier periods are based on the 1987 Standard Industrial Classification (SIC); later estimates for these industries are based on the North American Industry Classification System (NAICS).

NOTE: Percent changes from preceding period for gross domestic product and for final sales of domestic product are shown in table 8.1.

Table 1.5. Relation of Gross Domestic Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers
[Billions of dollars]

Gross domestic product	10,082.2	10,446.2	10,506.2	10,588.8	10,688.4	10,802.7	11,038.4
Less: Exports of goods and services	1,034.1	1,014.9	1,038.6	1,025.4	1,031.8	1,031.5	1,059.7
Plus: Imports of goods and services	1,383.0	1,438.5	1,471.5	1,501.4	1,519.0	1,536.1	1,548.3
Equals: Gross domestic purchases	10,431.0	10,869.9	10,939.1	11,064.8	11,175.6	11,307.3	11,527.1
Less: Change in private inventories	-60.3	3.9	17.6	24.5	.4	-18.5	-37.0
Equals: Final sales to domestic purchasers	10,491.4	10,866.0	10,921.5	11,040.3	11,175.2	11,325.8	11,564.1

NOTE: Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.7. Gross Domestic Product by Sector
[Billions of dollars]

Gross domestic product	10,082.2	10,446.2	10,506.2	10,588.8	10,688.4	10,802.7	11,038.4
Business ¹	8,482.7	8,759.1	8,808.6	8,871.4	8,938.0	9,040.5	9,267.2
Nonfarm ²	8,402.1	8,680.2	8,731.3	8,790.3	8,852.2	8,953.5	9,173.9
Nonfarm less housing	7,571.1	7,814.4	7,862.0	7,925.2	7,980.7	8,091.2	8,298.5
Housing.....	831.1	865.8	869.2	865.1	871.5	862.2	875.3
Farm.....	80.6	78.9	77.4	81.1	85.8	87.0	93.4
Households and institutions	459.6	486.1	490.5	499.9	508.7	510.8	515.8
Private households	11.9	10.8	10.8	11.0	11.2	11.5	11.7
Nonprofit institutions	447.7	475.3	479.7	488.9	497.5	499.3	504.1
General government ³	1,139.8	1,201.1	1,207.1	1,217.4	1,241.7	1,251.4	1,255.4
Federal.....	332.8	355.6	357.7	360.5	378.6	384.5	385.4
State and local.....	807.0	845.5	849.3	857.0	863.1	866.9	870.0

1. Equals gross domestic product less gross product of households and institutions and of general government.

2. Equals gross domestic business product less gross farm product.

3. Equals compensation of general government employees plus general government consumption of fixed capital as shown in table 3.7.

Table 1.4. Real Gross Domestic Product by Major Type of Product
[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross domestic product	9,214.5	9,439.9	9,485.6	9,518.2	9,552.0	9,629.4	9,797.2
Final sales of domestic product	9,258.4	9,424.4	9,457.2	9,483.1	9,536.2	9,631.1	9,814.7
Change in private inventories	-61.4	5.2	18.8	25.8	4.8	-17.6	-35.8
Residual	17.5	10.3	9.6	9.3	11.0	15.9	18.3
Goods	3,589.9	3,710.1	3,754.8	3,740.1	3,760.9	3,784.0	3,919.3
Final sales	3,643.3	3,697.6	3,728.1	3,705.9	3,748.3	3,791.3	3,944.4
Change in private inventories	-61.4	5.2	18.8	25.8	4.8	-17.6	-35.8
Durable goods	1,754.9	1,822.8	1,872.5	1,852.8	1,839.7	1,875.9	1,971.6
Final sales	1,823.9	1,819.3	1,864.6	1,823.2	1,824.3	1,889.6	2,005.2
Change in private inventories	-67.9	1.4	5.0	25.1	12.2	-14.5	-33.0
Nondurable goods	1,834.2	1,888.2	1,888.0	1,890.8	1,920.5	1,912.1	1,957.5
Final sales	1,825.6	1,879.9	1,870.2	1,884.2	1,921.9	1,907.9	1,953.6
Change in private inventories	4.8	3.8	13.6	1.4	-6.7	-3.6	-4.2
Services	4,826.4	4,959.9	4,976.4	5,014.6	5,021.8	5,066.7	5,089.1
Structures	797.1	775.0	764.0	768.8	775.7	783.9	806.0
Residual	4.6	.6	-8.2	.9	2.8	-6	-19.5
Addenda:							
Motor vehicle output	315.9	356.5	375.7	362.4	360.8	357.7	390.9
Gross domestic product less motor vehicle output	8,896.6	9,085.0	9,113.8	9,157.8	9,192.8	9,272.4	9,411.3

1. Estimates for durable goods and nondurable goods for 1997 and earlier periods are based on the 1987 Standard Industrial Classification (SIC); later estimates for these industries are based on the North American Industry Classification System (NAICS).

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line following change in private inventories is the difference between gross domestic product and the sum of final sales of domestic product and of change in private inventories; the residual line following structures is the difference between gross domestic product and the sum of the detailed lines of goods, of services, and of structures.

Percent changes from preceding period for gross domestic product and for final sales of domestic product are shown in table 8.1.

Chain-type quantity indexes for the series in this table are shown in table 7.17.

Table 1.6. Relation of Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers
[Billions of chained (1996) dollars]

Gross domestic product	9,214.5	9,439.9	9,485.6	9,518.2	9,552.0	9,629.4	9,797.2
Less: Exports of goods and services	1,076.1	1,058.8	1,077.7	1,061.6	1,058.1	1,055.5	1,079.3
Plus: Imports of goods and services	1,492.0	1,547.4	1,565.7	1,593.8	1,568.4	1,601.7	1,602.0
Equals: Gross domestic purchases	9,600.7	9,889.8	9,934.7	10,005.5	10,020.7	10,129.4	10,277.5
Less: Change in private inventories	-61.4	5.2	18.8	25.8	4.8	-17.6	-35.8
Equals: Final sales to domestic purchasers	9,644.9	9,874.1	9,906.1	9,970.1	10,004.7	10,131.0	10,294.9

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Percent changes from preceding period for selected series in this table are shown in table 8.1.

Chain-type quantity indexes for selected series in this table are shown in table 7.2.

Table 1.8. Real Gross Domestic Product by Sector
[Billions of chained (1996) dollars]

Gross domestic product	9,214.5	9,439.9	9,485.6	9,518.2	9,552.0	9,629.4	9,797.2
Business ¹	7,838.3	8,032.8	8,075.1	8,099.8	8,127.2	8,201.4	8,370.4
Nonfarm ²	7,724.7	7,917.7	7,961.0	7,983.9	8,010.7	8,086.7	8,253.8
Nonfarm less housing	7,012.9	7,208.9	7,252.6	7,285.5	7,311.9	7,399.2	7,560.4
Housing.....	712.6	711.7	711.7	703.2	703.8	694.7	701.7
Farm.....	114.3	114.7	112.9	115.5	116.2	113.0	114.8
Households and institutions	398.7	407.7	409.0	411.8	414.0	415.3	417.0
Private households	10.1	8.8	8.9	9.0	9.1	9.2	9.3
Nonprofit institutions	388.7	398.9	400.3	402.9	405.0	406.2	407.7
General government ³	978.5	1,000.9	1,003.2	1,008.1	1,012.2	1,015.0	1,014.9
Federal.....	291.3	297.5	298.5	301.3	304.7	308.7	309.1
State and local.....	687.0	703.1	704.4	706.5	707.1	705.9	705.5
Residual	-2.4	-3.7	-3.7	-5.7	-5.8	-7.5	-11.3

1. Equals gross domestic product less gross product of households and institutions and of general government.

2. Equals gross domestic business product less gross farm product.

3. Equals compensation of general government employees plus general government consumption of fixed capital as shown in table 3.8.

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Chain-type quantity indexes for the series in this table are shown in table 7.14.

Table 1.9. Relation of Gross Domestic Product, Gross National Product, Net National Product, National Income, and Personal Income
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross domestic product	10,082.2	10,446.2	10,506.2	10,588.8	10,688.4	10,802.7	11,038.4
Plus: Income receipts from the rest of the world	316.9	278.0	287.3	284.2	281.3	282.4	.....
Less: Income payments to the rest of the world	295.0	287.6	298.2	293.4	291.5	286.0	.....
Equals: Gross national product	10,104.1	10,436.7	10,495.3	10,579.7	10,678.2	10,799.1	.....
Less: Consumption of fixed capital	1,329.3	1,393.5	1,405.3	1,415.4	1,421.4	1,418.4	1,424.7
Private	1,106.8	1,163.9	1,174.8	1,182.7	1,185.9	1,180.9	1,185.1
Capital consumption allowances	1,168.4	1,320.0	1,317.9	1,315.9	1,323.5	1,419.2	1,463.3
Less: Capital consumption adjustment	61.6	156.1	143.1	133.3	137.6	238.3	278.3
Government	222.4	229.6	230.5	232.7	235.5	237.5	239.7
General government	187.7	195.0	195.7	197.6	200.0	201.7	203.6
Government enterprises	34.8	34.6	34.8	35.1	35.5	35.8	36.1
Equals: Net national product	8,774.8	9,043.2	9,090.0	9,164.3	9,256.8	9,380.6	.....
Less: Indirect business tax and nontax liability	774.8	800.4	806.9	813.3	821.7	833.6	847.4
Business transfer payments	42.5	44.1	44.4	44.3	44.9	44.8	45.6
Statistical discrepancy	-117.3	-108.8	-82.1	-78.2	-74.6	-69.8	.....
Plus: Subsidies less current surplus of government enterprises	47.3	32.5	29.1	29.0	30.7	45.9	37.9
Equals: National income	8,122.0	8,340.1	8,349.9	8,413.9	8,495.5	8,618.0	.....
Less: Corporate profits with inventory valuation and capital consumption adjustments	731.6	787.4	771.0	796.1	816.5	897.1	.....
Net interest	649.8	684.2	687.6	698.3	703.3	706.6	707.6
Contributions for social insurance	726.1	746.5	748.8	750.9	762.0	765.8	770.3
Wage accruals less disbursements .....	.0	.0	.0	.0	1.4	-1.4	.0
Plus: Personal interest income	1,091.3	1,078.5	1,080.7	1,080.9	1,075.8	1,081.5	1,082.0
Personal dividend income	409.2	433.8	437.3	443.8	451.2	459.0	466.5
Government transfer payments to persons	1,137.0	1,252.9	1,263.1	1,283.5	1,304.9	1,329.3	1,346.6
Business transfer payments to persons	33.4	35.1	35.3	35.6	35.9	36.3	36.6
Equals: Personal income	8,685.3	8,922.2	8,958.9	9,012.5	9,080.2	9,156.0	9,247.0
Addenda:							
Gross domestic income	10,199.4	10,555.1	10,588.3	10,667.0	10,763.0	10,872.5	.....
Gross national income	10,221.4	10,545.5	10,577.4	10,657.9	10,752.8	10,868.9	.....
Net domestic product	8,752.9	9,052.8	9,101.0	9,173.4	9,267.0	9,384.3	9,613.7

Table 1.10. Relation of Real Gross Domestic Product, Real Gross National Product, and Real Net National Product
[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross domestic product	9,214.5	9,439.9	9,485.6	9,518.2	9,552.0	9,629.4	9,797.2
Plus: Income receipts from the rest of the world	292.0	253.3	261.3	257.5	252.5	253.4	.....
Less: Income payments to the rest of the world	269.2	260.3	269.5	264.2	260.4	255.4	.....
Equals: Gross national product	9,237.3	9,433.5	9,477.9	9,512.1	9,544.7	9,628.0	.....
Less: Consumption of fixed capital	1,320.8	1,399.9	1,417.0	1,433.7	1,448.7	1,464.8	1,488.9
Private	1,110.7	1,184.5	1,200.9	1,216.0	1,229.4	1,243.9	1,266.6
Government	210.9	216.6	217.5	219.1	220.8	222.5	224.2
General government	179.2	185.4	186.1	187.5	189.1	190.6	192.1
Government enterprises ..	31.7	31.2	31.3	31.6	31.7	31.9	32.1
Equals: Net national product	7,928.1	8,049.7	8,078.2	8,097.2	8,116.2	8,184.1	.....
Addenda:							
Gross domestic income ¹	9,321.7	9,538.3	9,559.7	9,588.5	9,618.7	9,691.7	.....
Gross national income ²	9,344.5	9,532.0	9,552.1	9,582.4	9,611.4	9,690.3	.....
Net domestic product	7,905.4	8,055.8	8,085.5	8,103.0	8,123.2	8,185.3	8,329.2

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.

2. Gross national income deflated by the implicit price deflator for gross national product.

NOTE. Except as noted in footnotes 1 and 2, chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

The chain-type quantity index for gross national product is shown in table 7.3.

Table 1.11. Command-Basis Real Gross National Product
[Billions of chained (1996) dollars]

Gross national product	9,237.3	9,433.5	9,477.9	9,512.1	9,544.7	9,628.0	.....
Less: Exports of goods and services and income receipts from the rest of the world ..	1,366.5	1,307.1	1,334.2	1,314.4	1,305.5	1,304.0	.....
Plus: Command-basis exports of goods and services and income receipts from the rest of the world ¹	1,410.0	1,344.4	1,365.6	1,345.4	1,316.2	1,327.9	.....
Equals: Command-basis gross national product	9,280.9	9,470.8	9,509.3	9,543.1	9,555.4	9,651.9	.....
Addendum:							
Terms of trade ²	103.2	102.8	102.4	102.4	100.8	101.8	.....

1. Exports of goods and services and income receipts deflated by the implicit price deflator for imports of goods and services and income payments.

2. Ratio of the implicit price deflator for exports of goods and services and income receipts to the corresponding implicit price deflator for imports divided by 100.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Percent changes from preceding period for gross national product are shown in table 8.1.

Chain-type quantity indexes for the series in this table are shown in table 7.3.

Table 1.14. National Income by Type of Income

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
National income	8,122.0	8,340.1	8,349.9	8,413.9	8,495.5	8,618.0	
Compensation of employees	5,874.9	5,969.5	5,988.4	6,017.4	6,064.5	6,094.5	6,131.0
Wage and salary accruals....	4,950.6	4,996.4	5,007.4	5,023.1	5,055.2	5,077.8	5,107.7
Government.....	810.8	852.8	857.1	865.4	882.4	888.9	890.5
Other.....	4,139.8	4,143.6	4,150.3	4,157.7	4,172.8	4,188.9	4,217.2
Supplements to wages and salaries.....	924.3	973.1	981.0	994.3	1,009.2	1,016.8	1,023.3
Employer contributions for social insurance.....	353.9	362.5	363.5	364.1	370.1	371.8	373.8
Other labor income.....	570.4	610.6	617.5	630.2	639.2	645.0	649.6
Proprietors' income with inventory valuation and capital consumption adjustments	727.9	756.5	758.7	771.6	784.4	804.5	833.6
Farm.....	19.0	12.9	10.7	11.7	14.2	15.4	20.7
Proprietors' income with inventory valuation adjustment.....	26.7	21.6	19.6	20.8	23.5	24.5	29.8
Capital consumption adjustment.....	-7.7	-8.7	-8.9	-9.1	-9.3	-9.1	-9.1
Nonfarm.....	708.8	743.7	748.0	759.9	770.2	789.1	812.9
Proprietors' income.....	621.6	630.1	635.0	646.1	657.7	656.4	672.5
Inventory valuation adjustment.....	.9	-1.0	-1.7	-9	-3.8	.5	-1.2
Capital consumption adjustment.....	86.3	114.5	114.6	114.7	116.2	132.3	141.5
Rental income of persons with capital consumption adjustment	137.9	142.4	144.1	130.6	126.9	115.3	121.1
Rental income of persons....	204.4	212.0	214.5	202.6	201.8	190.0	196.2
Capital consumption adjustment.....	-66.5	-69.6	-70.3	-72.1	-74.9	-74.7	-75.1
Corporate profits with inventory valuation and capital consumption adjustments	731.6	787.4	771.0	796.1	816.5	897.1	
Corporate profits with inventory valuation adjustment.....	675.1	658.3	653.4	686.4	701.2	698.1	
Profits before tax.....	670.2	665.2	668.5	694.9	728.1	700.2	
Profits tax liability.....	199.3	213.3	214.7	222.4	237.8	234.3	
Profits after tax.....	470.9	451.9	453.8	472.5	490.2	465.9	
Dividends.....	409.6	434.3	437.7	444.3	451.6	459.5	467.0
Undistributed profits.....	61.2	17.6	16.1	28.2	38.6	6.4	
Inventory valuation adjustment.....	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	
Capital consumption adjustment.....	56.5	129.1	117.6	109.7	115.3	199.0	229.8
Net interest	649.8	684.2	687.6	698.3	703.3	706.6	707.6
Addenda:							
Corporate profits after tax with inventory valuation and capital consumption adjustments.....	532.3	574.1	556.3	573.7	578.6	662.7	
Net cash flow with inventory valuation and capital consumption adjustments.....	911.8	967.3	954.7	968.7	964.7	1,035.5	
Undistributed profits with inventory valuation and capital consumption adjustments.....	122.7	139.9	118.6	129.4	127.0	203.2	
Consumption of fixed capital.....	789.1	827.5	836.1	839.3	837.6	832.2	834.2
Less: Inventory valuation adjustment.....	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	
Equals: Net cash flow	906.8	974.2	969.8	977.2	991.5	1,037.6	

Table 1.16. Gross Product of Corporate Business in Current Dollars and Gross Product of Nonfinancial Corporate Business in Current and Chained Dollars

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross product of corporate business	6,117.5	6,323.4	6,335.7	6,388.4	6,441.4	6,528.6	
Consumption of fixed capital ..	789.1	827.5	836.1	839.3	837.6	832.2	834.2
Net product.....	5,328.4	5,495.9	5,499.6	5,549.1	5,603.7	5,696.3	
Indirect business tax and nontax liability plus business transfer payments less subsidies..	565.7	592.6	598.0	601.2	606.0	602.9	623.5
Domestic income.....	4,762.7	4,903.4	4,901.6	4,947.8	4,997.8	5,093.5	
Compensation of employees.....	3,945.6	3,980.2	3,991.2	4,008.2	4,030.8	4,048.0	4,076.2
Wage and salary accruals.....	3,378.6	3,382.0	3,387.3	3,393.7	3,406.0	3,418.9	3,442.0
Supplements to wages and salaries.....	567.0	598.1	603.9	614.6	624.7	629.1	634.2
Corporate profits with inventory valuation and capital consumption adjustments.....	580.9	668.1	654.9	682.0	710.0	788.9	
Profits before tax.....	519.4	545.9	552.4	580.8	621.6	592.1	
Profits tax liability.....	199.3	213.3	214.7	222.4	237.8	234.3	
Profits after tax.....	320.1	332.6	337.7	358.4	383.7	357.7	
Dividends.....	383.1	392.9	379.2	404.4	412.5	419.0	
Undistributed profits.....	-63.0	-60.3	-41.5	-46.0	-28.7	-61.3	
Inventory valuation adjustment.....	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	
Capital consumption adjustment.....	56.5	129.1	117.6	109.7	115.3	199.0	229.8
Net interest.....	236.3	255.1	255.4	257.6	257.0	256.6	
Gross product of financial corporate business	763.3	830.3	830.9	833.6	851.0	859.9	
Gross product of nonfinancial corporate business	5,354.2	5,493.1	5,504.8	5,554.7	5,590.4	5,668.7	
Consumption of fixed capital ..	652.8	686.6	693.7	696.7	696.2	692.3	694.5
Net product.....	4,701.4	4,806.5	4,811.1	4,858.0	4,894.2	4,976.4	
Indirect business tax and nontax liability plus business transfer payments less subsidies..	523.7	549.1	554.2	557.2	561.3	557.7	577.5
Domestic income.....	4,177.7	4,257.5	4,256.9	4,300.8	4,333.0	4,418.7	
Compensation of employees.....	3,573.5	3,605.0	3,615.0	3,630.5	3,650.9	3,666.6	3,692.1
Wage and salary accruals.....	3,056.4	3,059.5	3,064.3	3,070.1	3,081.3	3,092.9	3,113.8
Supplements to wages and salaries.....	517.1	545.5	550.7	560.4	569.7	573.7	578.3
Corporate profits with inventory valuation and capital consumption adjustments.....	407.4	458.4	447.6	474.4	486.5	557.0	
Profits before tax.....	328.8	328.6	336.3	364.4	391.3	365.5	
Profits tax liability.....	123.5	131.5	133.4	142.2	153.4	150.6	
Profits after tax.....	205.3	197.0	202.9	222.1	237.9	214.9	
Dividends.....	278.5	285.8	275.9	294.2	300.1	304.9	
Undistributed profits.....	-73.2	-88.8	-73.0	-72.1	-62.2	-90.0	
Inventory valuation adjustment.....	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	
Capital consumption adjustment.....	73.6	136.7	126.4	118.6	122.1	193.7	220.3
Net interest.....	196.8	194.1	194.3	195.9	195.5	195.2	
			Billions of chained (1996) dollars				
Gross product of nonfinancial corporate business	5,141.8	5,301.9	5,320.7	5,357.1	5,382.1	5,464.9	
Consumption of fixed capital ² ..	671.9	720.8	731.4	741.1	749.9	759.7	774.7
Net product ³	4,469.9	4,581.2	4,589.4	4,615.9	4,632.2	4,705.2	

1. Effective November 26, 2002, the estimates of chained-dollar gross product of nonfinancial corporate business beginning with 1999 have been revised to reflect the 2002 annual revision to the gross product price index for nonfinancial industries.

2. Chained-dollar consumption of fixed capital of nonfinancial corporate business is calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100.

3. Chained-dollar net product of nonfinancial corporate business is the difference between the gross product and the consumption of fixed capital.

2. Personal Income and Outlays

Table 2.1. Personal Income and Its Disposition

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Personal income	8,685.3	8,922.2	8,958.9	9,012.5	9,080.2	9,156.0	9,247.0
Wage and salary disbursements	4,950.6	4,996.4	5,007.4	5,023.1	5,053.8	5,079.2	5,107.7
Private industries.....	4,139.8	4,143.6	4,150.3	4,157.7	4,172.8	4,188.9	4,217.2
Goods-producing industries.....	1,142.4	1,115.7	1,115.2	1,109.3	1,106.2	1,109.0	1,111.9
Manufacturing.....	789.4	758.7	757.9	752.0	750.6	747.4	746.5
Distributive industries..	1,109.2	1,114.4	1,117.8	1,114.6	1,121.8	1,124.5	1,132.4
Service industries.....	1,888.2	1,913.5	1,917.3	1,933.9	1,944.8	1,955.4	1,972.9
Government.....	810.8	852.8	857.1	865.4	881.0	890.3	890.5
Other labor income	570.4	610.6	617.5	630.2	639.2	645.0	649.6
Proprietors' income with inventory valuation and capital consumption adjustments	727.9	756.5	758.7	771.6	784.4	804.5	833.6
Farm.....	19.0	12.9	10.7	11.7	14.2	15.4	20.7
Nonfarm.....	708.8	743.7	748.0	759.9	770.2	789.1	812.9
Rental income of persons with capital consumption adjustment	137.9	142.4	144.1	130.6	126.9	115.3	121.1
Personal dividend income	409.2	433.8	437.3	443.8	451.2	459.0	466.5
Personal interest income	1,091.3	1,078.5	1,080.7	1,080.9	1,075.8	1,081.5	1,082.0
Transfer payments to persons	1,170.4	1,288.0	1,298.4	1,319.1	1,340.8	1,365.6	1,383.2
Old-age, survivors, disability, and health insurance benefits.....	664.3	699.8	701.9	710.8	722.6	735.1	744.9
Government unemployment insurance benefits.....	31.9	62.9	67.6	64.2	62.0	66.0	66.7
Veterans benefits.....	26.7	29.6	30.0	30.5	31.2	31.9	32.5
Other transfer payments..	447.6	495.8	498.9	513.6	525.0	532.5	539.1
Family assistance ¹	19.2	19.3	19.3	19.4	19.4	19.5	19.5
Other.....	428.3	476.5	479.6	494.2	505.6	513.0	519.6
Less: Personal contributions for social insurance	372.3	384.0	385.3	386.8	391.9	394.0	396.5
Less: Personal tax and nontax payments	1,292.1	1,111.9	1,099.0	1,090.1	1,073.6	1,082.6	982.6
Equals: Disposable personal income	7,393.2	7,810.3	7,859.9	7,922.5	8,006.6	8,073.4	8,264.4
Less: Personal outlays	7,223.5	7,524.5	7,583.0	7,640.7	7,727.6	7,813.7	7,987.7
Personal consumption expenditures.....	6,987.0	7,303.7	7,360.7	7,425.4	7,512.5	7,598.6	7,766.5
Interest paid by persons.....	205.4	188.4	189.3	182.5	181.7	181.9	187.5
Personal transfer payments to the rest of the world (net).....	31.1	32.3	32.9	32.8	33.4	33.2	33.7
Equals: Personal saving	169.7	285.8	276.9	281.8	278.9	259.7	276.7
Addenda:							
Disposable personal income: Total, billions of chained (1996) dollars ²	6,748.0	7,032.2	7,058.1	7,082.3	7,109.6	7,154.7	7,280.6
Per capita:							
Current dollars.....	25,957	27,170	27,313	27,463	27,694	27,855	28,434
Chained (1996) dollars.....	23,692	24,463	24,527	24,551	24,591	24,685	25,049
Population (mid-period, millions).....	284.8	287.5	287.8	288.5	289.1	289.8	290.7
Personal saving as a percentage of disposable personal income	2.3	3.7	3.5	3.6	3.5	3.2	3.3

1. Consists of aid to families with dependent children and, beginning with 1996, assistance programs operating under the Personal Responsibility and Work Opportunity Reconciliation Act of 1996.

2. Equals disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

NOTE: Percent changes from preceding period for disposable personal income are shown in table 8.1.

Table 2.2. Personal Consumption Expenditures by Major Type of Product

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Personal consumption expenditures	6,987.0	7,303.7	7,360.7	7,425.4	7,512.5	7,598.6	7,766.5
Durable goods	835.9	871.9	897.8	873.9	861.2	900.5	947.0
Motor vehicles and parts.....	361.3	376.1	400.7	375.9	366.5	392.2	422.9
Furniture and household equipment.....	306.1	318.7	319.2	319.4	314.9	321.8	330.5
Other.....	168.4	177.1	177.9	178.6	179.8	186.5	193.5
Nondurable goods	2,041.3	2,115.0	2,116.9	2,150.0	2,206.8	2,203.3	2,265.8
Food.....	992.4	1,029.4	1,024.8	1,043.9	1,070.1	1,078.4	1,103.6
Clothing and shoes.....	315.3	324.3	321.0	326.6	324.5	326.1	334.6
Gasoline, fuel oil, and other energy goods.....	178.6	173.5	178.2	184.7	211.1	193.8	207.6
Gasoline and oil.....	162.1	158.5	163.5	167.4	191.4	176.8	189.8
Fuel oil and coal.....	16.5	15.0	14.7	17.3	19.7	17.0	17.8
Other.....	555.0	587.8	592.9	594.8	601.1	605.1	619.9
Services	4,109.9	4,316.8	4,346.0	4,401.5	4,444.6	4,494.8	4,553.8
Housing.....	1,014.5	1,071.5	1,078.0	1,090.1	1,101.9	1,110.9	1,124.0
Household operation.....	406.3	405.2	406.3	414.2	422.4	422.3	428.0
Electricity and gas.....	154.5	148.2	147.4	156.5	162.1	161.1	164.9
Other household operation.....	251.8	257.0	258.9	257.7	260.4	261.2	263.1
Transportation.....	271.4	275.8	276.1	278.3	278.0	277.8	281.6
Medical care.....	1,072.2	1,148.5	1,158.8	1,176.9	1,192.0	1,213.8	1,239.6
Recreation.....	271.9	285.1	285.9	291.8	292.7	297.2	299.8
Other.....	1,073.6	1,130.7	1,140.9	1,150.2	1,157.5	1,172.8	1,180.8
Addenda:							
Energy goods and services ¹	333.0	321.6	325.6	341.1	373.1	354.9	372.5
Personal consumption expenditures less food and energy.....	5,661.6	5,952.7	6,010.3	6,040.3	6,069.3	6,165.4	6,290.4

1. Consists of gasoline, fuel oil, and other energy goods and of electricity and gas.

Table 2.3. Real Personal Consumption Expenditures by Major Type of Product

[Billions of chained (1996) dollars]

	2001	2002	2003	2003	2003	2003	2003
Personal consumption expenditures	6,377.2	6,576.0	6,609.9	6,637.9	6,670.9	6,733.9	6,842.1
Durable goods	931.9	999.9	1,032.4	1,010.6	1,005.4	1,061.5	1,126.6
Motor vehicles and parts.....	361.9	382.4	407.6	382.8	374.9	403.0	437.5
Furniture and household equipment.....	398.0	438.1	441.4	447.5	447.8	466.6	489.1
Other.....	175.3	185.8	187.0	188.1	191.3	199.1	205.8
Nondurable goods	1,869.8	1,929.5	1,925.8	1,950.0	1,978.9	1,985.6	2,023.7
Food.....	887.0	902.3	897.9	910.7	929.7	931.4	947.4
Clothing and shoes.....	337.7	357.0	355.3	361.8	364.0	369.3	378.2
Gasoline, fuel oil, and other energy goods.....	151.2	157.5	157.5	158.9	159.2	156.9	159.7
Gasoline and oil.....	138.8	145.1	145.4	145.1	146.2	145.2	147.1
Fuel oil and coal.....	12.6	12.7	12.4	14.0	13.3	12.1	12.9
Other.....	495.5	515.8	518.0	521.9	528.9	532.2	543.2
Services	3,594.9	3,675.6	3,687.0	3,707.0	3,714.9	3,728.0	3,748.5
Housing.....	866.0	880.1	882.1	885.8	889.9	893.8	899.2
Household operation.....	382.6	384.7	384.7	389.9	388.5	384.0	389.1
Electricity and gas.....	134.5	136.4	135.7	142.8	140.7	134.2	137.2
Other household operation.....	248.2	248.4	249.1	247.0	247.8	250.5	252.3
Transportation.....	251.1	250.3	249.8	250.1	250.1	248.0	247.5
Medical care.....	938.3	978.6	984.4	992.0	1,002.1	1,012.7	1,024.0
Recreation.....	233.2	237.5	237.1	240.3	238.8	240.9	241.5
Other.....	922.7	942.7	947.0	947.5	943.8	946.3	945.2
Residual.....	-23.6	-37.2	-40.3	-39.5	-38.4	-51.4	-66.0
Addenda:							
Energy goods and services ¹	285.6	293.9	293.3	301.6	299.9	291.3	297.0
Personal consumption expenditures less food and energy.....	5,204.5	5,380.3	5,419.6	5,426.1	5,441.5	5,512.9	5,599.2

1. Consists of gasoline, fuel oil, and other energy goods and of electricity and gas.

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Chain-type quantity indexes for the series in this table are shown in table 7.4.

Contributions to the percent change in real personal consumption expenditures are shown in table 8.3.

3. Government Current Receipts and Expenditures

Table 3.1. Government Current Receipts and Expenditures
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Current receipts	2,992.3	2,872.1	2,869.4	2,876.7	2,895.1	2,916.3	
Personal tax and nontax receipts.....	1,292.1	1,111.9	1,099.0	1,090.1	1,073.6	1,082.6	982.6
Corporate profits tax accruals.....	199.3	213.3	214.7	222.4	237.8	234.3	
Indirect business tax and nontax accruals.....	774.8	800.4	806.9	813.3	821.7	833.6	847.4
Contributions for social insurance.....	726.1	746.5	748.8	750.9	762.0	765.8	770.3
Current expenditures	2,951.6	3,126.2	3,134.6	3,185.6	3,243.0	3,321.4	3,327.4
Consumption expenditures.....	1,522.2	1,621.0	1,629.4	1,659.0	1,698.4	1,732.3	1,739.6
Transfer payments (net).....	1,146.6	1,267.3	1,272.8	1,298.0	1,324.9	1,349.3	1,363.5
To persons.....	1,137.0	1,252.9	1,263.1	1,283.5	1,304.9	1,329.3	1,346.6
To the rest of the world (net).....	9.6	14.4	9.7	14.5	20.1	20.0	17.0
Net interest paid.....	236.0	205.8	203.8	200.1	190.8	193.1	186.9
Interest paid.....	341.1	314.1	312.2	311.8	303.9	307.0	302.1
To persons and business.....	260.4	241.0	239.4	241.2	236.0	241.5	
To the rest of the world.....	80.7	73.0	72.8	70.7	67.9	65.5	
Less: Interest received by government.....	105.1	108.2	108.4	111.7	113.1	113.9	115.2
Less: Dividends received by government.....	.4	.5	.5	.5	.5	.5	.5
Subsidies less current surplus of government enterprises.....	47.3	32.5	29.1	29.0	30.7	45.9	37.9
Subsidies.....	55.3	46.2	46.6	45.9	49.6	63.9	55.4
Less: Current surplus of government enterprises.....	8.0	13.7	17.5	17.0	18.8	18.1	17.6
Less: Wage accruals less disbursements.....	.0	.0	.0	.0	1.4	-1.4	.0
Current surplus or deficit (-), national income and product accounts	40.7	-254.1	-265.2	-309.0	-347.9	-405.1	
Social insurance funds.....	93.2	51.9	48.0	45.9	49.3	38.1	33.9
Other.....	-52.5	-306.0	-313.2	-354.9	-397.2	-443.2	
Addenda:							
Net lending or net borrowing (-).....	-46.9	-354.5	-362.1	-409.2	-443.7	-511.7	
Current surplus or deficit (-), national income and product accounts.....	40.7	-254.1	-265.2	-309.0	-347.9	-405.1	
Plus: Consumption of fixed capital.....	222.4	229.6	230.5	232.7	235.5	237.5	239.7
Plus: Capital transfers received (net).....	35.4	32.9	35.7	30.3	30.6	26.0	25.7
Less: Gross investment.....	335.8	351.9	351.7	352.2	353.6	360.0	365.0
Less: Net purchases of nonproduced assets.....	9.6	11.0	11.4	11.0	8.3	10.1	14.6

Table 3.2. Federal Government Current Receipts and Expenditures

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Current receipts	2,008.4	1,873.3	1,864.1	1,860.8	1,865.0	1,871.3	.....
Personal tax and nontax receipts.....	1,010.9	845.8	831.3	820.5	800.7	806.7	703.3
Income taxes.....	1,000.3	836.4	822.3	811.4	791.5	797.4	694.0
Nontaxes.....	10.6	9.4	9.1	9.0	9.2	9.3	9.3
Corporate profits tax accruals.....	170.2	179.8	181.1	187.5	200.7	196.5	.....
Federal Reserve banks.....	27.1	22.2	22.2	20.6	20.4	20.1	.....
Other.....	143.2	157.6	158.8	166.9	180.3	176.4	.....
Indirect business tax and nontax accruals.....	110.3	110.6	112.4	111.5	111.2	111.9	111.3
Excise taxes.....	66.3	69.6	69.8	70.3	69.5	69.0	67.4
Customs duties.....	20.6	20.3	22.4	20.6	20.9	21.0	21.8
Nontaxes.....	23.4	20.7	20.2	20.5	20.8	21.9	22.1
Contributions for social insurance.....	716.9	737.1	739.3	741.4	752.5	756.2	760.6
Current expenditures	1,936.4	2,075.5	2,074.6	2,117.4	2,145.1	2,261.5	2,250.5
Consumption expenditures.....	528.4	586.5	589.8	608.9	626.6	664.3	667.9
Transfer payments (net).....	842.2	931.7	934.1	948.5	970.7	990.9	999.7
To persons.....	832.6	917.4	924.4	934.0	950.7	970.8	982.8
To the rest of the world (net).....	9.6	14.4	9.7	14.5	20.1	20.0	17.0
Grants-in-aid to State and local governments.....	277.4	305.7	305.0	315.8	313.0	351.4	341.7
Net interest paid.....	238.1	207.8	205.8	202.1	192.7	194.9	188.8
Interest paid.....	257.8	228.9	226.8	225.9	217.5	220.1	214.7
To persons and business.....	177.2	155.9	154.0	155.3	149.7	154.6	.....
To the rest of the world.....	80.7	73.0	72.8	70.7	67.9	65.5	.....
Less: Interest received by government.....	19.7	21.1	21.0	23.9	24.9	25.2	25.9
Subsidies less current surplus of government enterprises..	50.3	43.7	39.9	42.1	43.5	58.6	52.3
Subsidies.....	47.5	45.4	45.0	46.3	49.4	63.5	56.3
Less: Current surplus of government enterprises...	-2.8	1.7	5.0	4.2	6.0	4.9	4.0
Less: Wage accruals less disbursements.....	.0	.0	.0	.0	1.4	-1.4	.0
Current surplus or deficit (-), national income and product accounts..	72.0	-202.1	-210.5	-256.6	-280.1	-390.2	.....
Social insurance funds.....	93.3	52.0	48.1	46.0	49.4	38.2	33.9
Other.....	-21.3	-254.1	-258.6	-302.6	-329.5	-428.4	.....
Addenda:							
Net lending or net borrowing (-).....	58.9	-226.7	-233.5	-280.6	-295.1	-427.1	.....
Current surplus or deficit (-), national income and product accounts.....	72.0	-202.1	-210.5	-256.6	-280.1	-390.2	.....
Plus: Consumption of fixed capital.....	98.7	101.9	102.2	103.6	104.7	105.8	107.2
Plus: Capital transfers received (net).....	-12.9	-19.1	-16.8	-19.5	-13.9	-28.2	-29.4
Less: Gross investment...	99.7	107.2	107.9	108.0	108.6	115.5	116.4
Less: Net purchases of nonproduced assets.....	-7	.2	.6	.1	-2.7	-1.0	3.4

Table 3.3. State and Local Government Current Receipts and Expenditures

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Current receipts	1,261.3	1,304.5	1,310.3	1,331.6	1,343.1	1,396.4	.....
Personal tax and nontax receipts.....	281.2	266.1	267.7	269.6	272.9	276.0	279.3
Income taxes.....	218.7	200.3	201.4	202.4	204.2	205.7	207.5
Nontaxes.....	41.9	45.1	45.5	46.4	47.7	49.1	50.6
Other.....	20.6	20.7	20.7	20.8	20.9	21.1	21.2
Corporate profits tax accruals.....	29.1	33.5	33.7	34.9	37.2	37.8	.....
Indirect business tax and nontax accruals.....	664.4	689.8	694.5	701.8	710.4	721.7	736.2
Sales taxes.....	321.2	333.5	337.2	338.6	342.3	346.0	353.9
Property taxes.....	257.4	267.8	268.6	273.2	278.0	282.9	288.0
Other.....	85.8	88.5	88.7	90.0	90.1	92.8	94.3
Contributions for social insurance.....	9.2	9.4	9.4	9.5	9.5	9.6	9.7
Federal grants-in-aid.....	277.4	305.7	305.0	315.8	313.0	351.4	341.7
Current expenditures	1,292.6	1,356.4	1,365.0	1,384.0	1,410.9	1,411.3	1,418.6
Consumption expenditures.....	993.7	1,034.5	1,039.6	1,050.1	1,071.8	1,068.0	1,071.6
Transfer payments to persons.....	304.4	335.6	338.7	349.5	354.2	358.4	363.8
Net interest paid.....	-2.1	-2.0	-2.0	-1.9	-1.8	-1.9	-1.9
Interest paid.....	83.3	85.2	85.4	85.9	86.4	86.9	87.4
Less: Interest received by government.....	85.4	87.1	87.4	87.8	88.2	88.8	89.3
Less: Dividends received by government.....	.4	.5	.5	.5	.5	.5	.5
Subsidies less current surplus of government enterprises..	-3.1	-11.2	-10.8	-13.2	-12.7	-12.7	-14.4
Subsidies.....	7.8	.8	1.7	-4	.2	.5	-9
Less: Current surplus of government enterprises...	10.9	12.0	12.5	12.8	12.9	13.2	13.6
Less: Wage accruals less disbursements.....	.0	.0	.0	.0	.0	.0	.0
Current surplus or deficit (-), national income and product accounts..	-31.3	-52.0	-54.7	-52.4	-67.9	-14.9	.....
Social insurance funds.....	-1	-1	-1	-1	-1	-1	.0
Other.....	-31.2	-51.9	-54.6	-52.3	-67.7	-14.8	.....
Addenda:							
Net lending or net borrowing (-).....	-105.8	-127.8	-128.5	-128.6	-148.5	-84.6	.....
Current surplus or deficit (-), national income and product accounts.....	-31.3	-52.0	-54.7	-52.4	-67.9	-14.9	.....
Plus: Consumption of fixed capital.....	123.7	127.7	128.3	129.1	130.8	131.6	132.5
Plus: Capital transfers received (net).....	48.3	52.0	52.5	49.8	44.5	54.2	55.1
Less: Gross investment...	236.2	244.7	243.8	244.2	245.0	244.5	248.5
Less: Net purchases of nonproduced assets.....	10.3	10.8	10.9	10.9	11.0	11.1	11.1

Table 3.7. Government Consumption Expenditures and Gross Investment by Type
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Government consumption expenditures and gross investment¹	1,858.0	1,972.9	1,981.1	2,011.3	2,052.0	2,092.2	2,104.5
Federal	628.1	693.7	697.7	716.9	735.2	779.8	784.4
National defense	399.9	447.4	451.2	464.7	471.1	518.6	520.1
Consumption expenditures	344.5	386.6	388.9	403.2	408.7	451.7	450.3
Durable goods ²	24.2	25.3	26.3	25.2	24.7	29.0	29.1
Nondurable goods	10.5	11.5	12.0	11.4	12.2	11.9	11.0
Services	309.8	349.9	350.6	366.6	371.8	410.8	410.3
Compensation of general government employees, except own-account investment ³	143.7	154.4	155.8	153.9	165.1	169.5	169.2
Consumption of general government fixed capital ⁴	63.5	64.2	64.3	64.9	65.2	65.6	66.1
Other services	102.5	131.3	130.5	147.7	141.5	175.8	175.0
Gross investment	55.5	60.8	62.4	61.5	62.4	67.0	69.7
Structures	5.4	5.3	5.4	5.3	5.5	5.9	5.9
Equipment and software	50.0	55.5	57.0	56.3	56.9	61.0	63.8
Nondefense	228.2	246.3	246.5	252.2	264.1	261.1	264.3
Consumption expenditures	184.0	199.9	200.9	205.8	217.9	212.6	217.6
Durable goods ²	1.3	1.4	1.4	1.6	1.5	1.2	1.3
Nondurable goods	8.7	9.4	9.4	9.4	8.9	9.9	11.3
Commodity Credit Corporation inventory change..	.8	-2	-2	-6	-4	-5	-5
Other nondurables	7.9	9.6	9.6	10.1	9.3	10.4	11.8
Services	174.0	189.1	190.1	194.7	207.5	201.5	204.9
Compensation of general government employees, except own-account investment ³	95.2	104.3	104.6	108.0	113.8	114.3	114.2
Consumption of general government fixed capital ⁴	28.7	30.8	31.0	31.6	32.3	33.0	33.7
Other services	50.1	54.0	54.5	55.1	61.3	54.2	57.1
Gross investment	44.2	46.4	45.5	46.5	46.2	48.5	46.7
Structures	10.4	12.3	11.3	12.6	12.0	12.5	13.8
Equipment and software	33.8	34.1	34.3	33.8	34.1	36.1	32.9
State and local	1,229.9	1,279.2	1,283.3	1,294.4	1,316.8	1,312.5	1,320.2
Consumption expenditures	993.7	1,034.5	1,039.6	1,050.1	1,071.8	1,068.0	1,071.6
Durable goods ²	18.3	19.4	19.5	19.7	20.0	20.2	20.4
Nondurable goods	118.7	121.1	122.6	126.3	139.7	131.7	134.2
Services	856.7	894.0	897.5	904.1	912.1	916.1	917.0
Compensation of general government employees, except own-account investment ³	700.4	733.8	737.1	744.0	748.6	751.7	753.9
Consumption of general government fixed capital ⁴	95.4	100.0	100.4	101.1	102.5	103.1	103.8
Other services	60.9	60.3	59.9	59.0	61.0	61.2	59.4
Gross investment	236.2	244.7	243.8	244.2	245.0	244.5	248.5
Structures	177.6	188.2	187.4	188.6	189.8	189.5	193.4
Equipment and software	58.6	56.5	56.4	55.6	55.2	55.0	55.2
Addenda:							
Compensation of general government employees ⁵	952.1	1,006.1	1,011.3	1,019.8	1,041.7	1,049.7	1,051.9
Federal	240.5	260.5	262.5	263.9	281.1	286.0	285.6
State and local ⁵	711.6	745.5	748.9	755.8	760.6	763.8	766.2

Table 3.8. Real Government Consumption Expenditures and Gross Investment by Type
[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Government consumption expenditures and gross investment¹	1,640.4	1,712.8	1,715.6	1,735.0	1,736.7	1,772.6	1,778.3
Federal	570.6	613.3	615.1	631.4	632.5	669.5	671.7
National defense	366.0	400.0	402.5	413.2	409.7	450.2	450.2
Consumption expenditures	308.9	337.0	338.0	349.4	345.4	380.9	378.8
Durable goods ²	24.3	25.3	26.4	25.2	24.6	28.9	29.0
Nondurable goods	9.9	11.4	11.6	10.8	10.7	11.0	10.2
Services	275.1	300.6	300.5	313.4	310.0	341.2	339.8
Compensation of general government employees, except own-account investment ³	121.2	123.4	124.3	123.0	125.5	128.6	128.4
Consumption of general government fixed capital ⁴	62.4	62.6	62.6	62.8	63.1	63.4	63.7
Other services	91.7	114.9	113.8	128.2	121.8	150.1	148.6
Gross investment	57.3	63.3	65.0	63.9	64.7	69.4	71.9
Structures	4.6	4.4	4.4	4.3	4.5	4.8	4.7
Equipment and software	53.0	59.5	61.1	60.1	60.7	65.1	67.8
Nondefense	204.4	213.3	212.7	218.3	222.8	219.7	222.0
Consumption expenditures	161.1	167.8	167.9	172.5	177.1	172.3	175.9
Durable goods ²	1.5	1.7	1.7	1.9	1.9	1.5	1.7
Nondurable goods	8.9	8.5	8.3	8.4	7.8	8.5	9.7
Commodity Credit Corporation inventory change..	1.7	-1	-1	-6	-1	-6	-5
Other nondurables	7.2	8.6	8.4	9.0	8.0	9.1	10.2
Services	151.6	157.7	157.9	162.2	167.5	162.0	164.5
Compensation of general government employees, except own-account investment ³	79.0	80.7	80.4	83.6	83.7	83.6	83.4
Consumption of general government fixed capital ⁴	28.0	30.1	30.3	30.9	31.5	32.1	32.8
Other services	45.4	48.0	48.3	48.7	53.8	47.3	49.7
Gross investment	43.6	45.9	45.1	46.0	45.7	48.0	46.2
Structures	8.9	10.4	9.5	10.6	10.0	10.2	11.3
Equipment and software	35.4	36.0	36.3	35.9	36.3	38.4	35.1
State and local	1,069.4	1,099.7	1,100.6	1,104.0	1,104.6	1,104.1	1,107.6
Consumption expenditures	856.8	881.1	883.0	886.3	887.9	888.1	888.5
Durable goods ²	18.3	19.3	19.4	19.6	19.8	20.0	20.3
Nondurable goods	108.7	113.0	113.3	114.1	114.9	115.8	116.6
Services	731.1	750.5	751.9	754.2	754.9	754.1	753.5
Compensation of general government employees, except own-account investment ³	589.6	601.7	602.6	604.1	604.1	602.4	601.3
Consumption of general government fixed capital ⁴	88.7	92.6	93.0	93.7	94.4	95.0	95.5
Other services	53.2	56.8	57.0	57.1	57.3	57.7	57.8
Gross investment	212.8	218.6	217.6	217.7	216.6	215.9	219.2
Structures	148.6	154.9	153.9	154.5	153.8	153.0	155.8
Equipment and software	65.9	64.6	64.7	64.0	63.6	63.8	64.1
Residual	-6.8	-7.0	-7.3	-6.5	-7.2	-8.6	-9.2
Addenda:							
Compensation of general government employees ⁵	800.5	817.0	818.6	822.2	824.8	826.3	824.9
Federal	201.6	205.7	206.4	208.4	210.9	213.9	213.5
State and local ⁵	598.9	611.3	612.2	613.8	613.7	612.1	611.1

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.

See footnotes to table 3.7.
Chain-type quantity indexes for the series in this table are shown in table 7.11.
Contributions to percent change in real government consumption expenditures and gross investment are shown in table 8.6.

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software. The compensation of all general government employees is shown in the addenda.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

5. Beginning with 2001, in accordance with the Consolidated Appropriations Act of 2001, includes compensation of employees of Indian tribal governments reclassified from the private sector.

Table 3.10. National Defense Consumption Expenditures and Gross Investment

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
National defense consumption expenditures and gross investment¹	399.9	447.4	451.2	464.7	471.1	518.6	520.1
Consumption expenditures	344.5	386.6	388.9	403.2	408.7	451.7	450.3
Durable goods²	24.2	25.3	26.3	25.2	24.7	29.0	29.1
Aircraft	11.2	11.3	11.6	11.4	10.8	12.8	12.0
Missiles	2.5	2.8	3.0	3.1	2.7	3.3	3.1
Ships	1.2	1.3	1.5	1.2	1.2	1.3	1.3
Vehicles	1.0	1.1	1.0	1.2	1.1	1.1	1.1
Electronics	3.0	3.1	3.3	2.8	3.4	3.6	4.0
Other durable goods	5.3	5.6	5.8	5.5	5.5	6.9	7.6
Nondurable goods	10.5	11.5	12.0	11.4	12.2	11.9	11.0
Petroleum products	4.0	4.2	4.7	4.0	5.0	3.5	1.9
Ammunition	2.1	2.5	2.7	2.4	2.1	2.7	2.8
Other nondurable goods	4.4	4.8	4.6	5.0	5.1	5.7	6.2
Services	309.8	349.9	350.6	366.6	371.8	410.8	410.3
Compensation of general government employees, except own-account investment ³	143.7	154.4	155.8	153.9	165.1	169.5	169.2
Military	94.1	102.1	103.0	101.5	110.4	115.3	114.0
Civilian	49.6	52.3	52.8	52.4	54.7	54.2	55.2
Consumption of general government fixed capital ⁴	63.5	64.2	64.3	64.9	65.2	65.6	66.1
Other services	102.5	131.3	130.5	147.7	141.5	175.8	175.0
Research and development	29.6	42.0	40.0	49.5	44.7	54.3	51.6
Installation support	25.5	28.5	29.6	30.2	26.9	35.9	36.1
Weapons support	12.2	18.3	19.2	20.7	17.2	25.9	27.0
Personnel support	28.0	35.5	36.6	39.0	39.1	46.4	47.4
Transportation of material	4.9	5.0	5.0	5.2	10.0	10.2	9.5
Travel of persons	4.2	4.0	4.0	4.1	4.7	4.8	5.4
Other	-2.0	-1.9	-3.9	-9	-1.1	-1.9	-2.0
Gross investment	55.5	60.8	62.4	61.5	62.4	67.0	69.7
Structures	5.4	5.3	5.4	5.3	5.5	5.9	5.9
Equipment and software	50.0	55.5	57.0	56.3	56.9	61.0	63.8
Aircraft	8.3	9.3	9.9	9.9	9.5	9.6	9.1
Missiles	3.3	3.1	2.6	3.1	2.8	2.8	3.1
Ships	7.2	8.7	8.9	9.0	8.8	10.0	10.0
Vehicles	1.8	2.6	3.0	2.7	3.6	3.4	3.2
Electronics and software	13.7	15.0	15.3	14.9	15.7	14.4	15.2
Other equipment	15.7	16.8	17.1	16.7	16.5	20.8	23.3
Addendum:							
Compensation of general government employees ³	144.3	155.3	156.8	154.9	166.1	170.5	170.2

Table 3.11. Real National Defense Consumption Expenditures and Gross Investment

[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
National defense consumption expenditures and gross investment¹	366.0	400.0	402.5	413.2	409.7	450.2	450.2
Consumption expenditures	308.9	337.0	338.0	349.4	345.4	380.9	378.8
Durable goods²	24.3	25.3	26.4	25.2	24.6	28.9	29.0
Aircraft	11.2	11.3	11.6	11.3	10.7	12.6	11.7
Missiles	2.5	2.8	3.0	3.1	2.7	3.2	3.1
Ships	1.2	1.3	1.5	1.2	1.2	1.3	1.3
Vehicles	.8	.8	.8	.9	.8	.8	.8
Electronics	3.4	3.6	3.9	3.3	4.0	4.2	4.8
Other durable goods	5.2	5.6	5.8	5.5	5.4	6.9	7.5
Nondurable goods	9.9	11.4	11.6	10.8	10.7	11.0	10.2
Petroleum products	3.4	4.3	4.5	3.6	3.7	3.0	1.7
Ammunition	2.1	2.6	2.8	2.5	2.2	2.8	2.9
Other nondurable goods	4.2	4.5	4.3	4.6	4.7	5.3	5.8
Services	275.1	300.6	300.5	313.4	310.0	341.2	339.8
Compensation of general government employees, except own-account investment ³	121.2	123.4	124.3	123.0	125.5	128.6	128.4
Military	80.7	83.7	84.5	83.3	86.3	90.1	89.2
Civilian	40.7	39.9	40.1	39.9	39.5	39.0	39.6
Consumption of general government fixed capital ⁴	62.4	62.6	62.6	62.8	63.1	63.4	63.7
Other services	91.7	114.9	113.8	128.2	121.8	150.1	148.6
Research and development	26.9	37.5	35.6	43.9	39.4	47.7	45.1
Installation support	23.4	25.6	26.4	26.7	23.5	31.0	31.1
Weapons support	10.7	15.8	16.6	17.9	14.8	22.1	23.0
Personnel support	23.4	28.6	29.4	31.2	30.9	36.5	37.0
Transportation of material	4.6	4.6	4.5	4.7	9.0	9.0	8.1
Travel of persons	4.1	3.9	3.9	4.0	4.6	4.6	5.1
Other	-1.7	-1.6	-3.2	-7	-9	-1.5	-1.5
Gross investment	57.3	63.3	65.0	63.9	64.7	69.4	71.9
Structures	4.6	4.4	4.4	4.3	4.5	4.8	4.7
Equipment and software	53.0	59.5	61.1	60.1	60.7	65.1	67.8
Aircraft	9.6	11.2	11.9	11.7	11.4	11.4	10.5
Missiles	3.5	3.4	2.9	3.4	3.0	3.1	3.4
Ships	7.1	8.5	8.7	8.8	8.6	9.7	9.7
Vehicles	1.9	2.8	3.2	2.7	3.6	3.4	3.1
Electronics and software	15.3	17.1	17.5	17.2	18.2	16.8	17.6
Other equipment	15.5	16.5	16.8	16.4	16.1	20.3	22.7
Residual	-7	-1.3	-1.5	-1.0	-1.3	-1.3	-1.5
Addendum:							
Compensation of general government employees ³	121.7	124.1	125.1	123.8	126.2	129.4	129.1

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the line in the addendum.

Chain-type indexes for the series in this table are shown in table 7.12. See footnotes to table 3.10.

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software. The compensation of all general government employees is shown in the addendum.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

4. Foreign Transactions

Table 4.1. Foreign Transactions in the National Income and Product Accounts
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Receipts from the rest of the world	1,351.1	1,292.9	1,325.9	1,309.6	1,313.1	1,313.9	.....
Exports of goods and services	1,034.1	1,014.9	1,038.6	1,025.4	1,031.8	1,031.5	1,059.7
Goods ¹	733.5	703.6	722.6	702.6	711.9	711.9	724.5
Durable	522.4	493.0	509.5	486.0	485.7	487.1	496.1
Nondurable	211.2	210.6	213.1	216.5	226.1	224.7	228.4
Services ¹	300.6	311.3	316.0	322.8	319.9	319.6	335.1
Income receipts	316.9	278.0	287.3	284.2	281.3	282.4	.....
Payments to the rest of the world	1,351.1	1,292.9	1,325.9	1,309.6	1,313.1	1,313.9	.....
Imports of goods and services	1,383.0	1,438.5	1,471.5	1,501.4	1,519.0	1,536.1	1,548.3
Goods ¹	1,167.2	1,192.1	1,220.9	1,242.5	1,256.1	1,274.1	1,274.3
Durable	754.4	771.1	783.8	786.6	769.7	788.3	785.4
Nondurable	412.8	421.0	437.2	455.9	486.4	485.8	488.9
Services ¹	215.8	246.4	250.6	258.9	262.9	262.0	274.0
Income payments	295.0	287.6	298.2	293.4	291.5	286.0	.....
Transfer payments (net)	49.8	55.7	51.8	55.9	62.5	61.8	59.6
From persons (net)	31.1	32.3	32.9	32.8	33.4	33.2	33.7
From government (net)	9.6	14.4	9.7	14.5	20.1	20.0	17.0
From business	9.1	9.0	9.2	8.7	9.0	8.5	9.0
Net foreign investment	-376.7	-488.9	-495.6	-541.0	-559.9	-570.0	.....

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

Table 4.2. Real Exports and Imports of Goods and Services and Receipts and Payments of Income
[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Exports of goods and services	1,076.1	1,058.8	1,077.7	1,061.6	1,058.1	1,055.5	1,079.3
Goods ¹	785.2	756.9	773.5	750.3	753.9	750.8	764.7
Durable	558.3	529.2	546.6	521.5	520.3	521.1	531.3
Nondurable	226.7	227.5	226.7	228.5	233.2	229.5	233.1
Services ¹	292.0	301.5	304.0	310.0	303.5	303.9	313.5
Income receipts	292.0	253.3	261.3	257.5	252.5	253.4	.....
Imports of goods and services	1,492.0	1,547.4	1,565.7	1,593.8	1,568.4	1,601.7	1,602.0
Goods ¹	1,270.5	1,320.1	1,340.3	1,360.8	1,337.4	1,380.4	1,371.3
Durable	865.6	901.4	915.5	921.6	901.9	923.5	917.0
Nondurable	402.3	415.5	421.7	434.5	430.1	449.7	447.0
Services ¹	222.4	227.2	226.0	233.0	230.7	223.8	231.2
Income payments	269.2	260.3	269.5	264.2	260.4	255.4	.....

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Chain-type quantity indexes for the series in this table are shown in table 7.9.

Table 4.3. Exports and Imports of Goods and Services by Type of Product

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Exports of goods and services	1,034.1	1,014.9	1,038.6	1,025.4	1,031.8	1,031.5	1,059.7
Exports of goods ¹	733.5	703.6	722.6	702.6	711.9	711.9	724.5
Foods, feeds, and beverages	49.4	49.5	49.5	50.3	52.3	52.0	53.0
Industrial supplies and materials	155.3	153.7	156.3	158.0	166.5	166.6	168.2
Durable goods	57.1	56.0	56.9	56.4	58.8	59.7	58.8
Nondurable goods	98.2	97.7	99.4	101.6	107.7	106.9	109.3
Capital goods, except automotive	321.7	291.3	301.7	285.0	282.7	281.6	291.5
Civilian aircraft, engines, and parts	52.6	51.0	56.4	48.1	45.8	44.0	48.4
Computers, peripherals, and parts	47.6	38.6	37.8	38.9	38.5	37.3	40.1
Other	221.6	201.7	207.5	198.0	198.4	200.3	202.9
Automotive vehicles, engines, and parts	75.4	78.5	82.5	77.4	78.7	78.7	77.6
Consumer goods, except automotive	88.3	84.5	86.0	85.6	86.9	88.5	90.7
Durable goods	46.5	44.1	45.1	44.1	43.2	44.9	46.4
Nondurable goods	41.9	40.4	40.9	41.5	43.7	43.7	44.3
Other	43.3	46.0	46.7	46.1	44.7	44.4	43.5
Exports of services ¹	300.6	311.3	316.0	322.8	319.9	319.6	335.1
Transfers under U.S. military agency sales contracts	11.2	11.4	11.1	11.6	11.7	12.4	13.5
Travel	73.1	71.1	70.9	75.7	69.3	64.6	71.5
Passenger fares	18.0	17.6	18.2	18.6	16.5	16.7	19.6
Other transportation	28.3	28.1	28.4	29.3	29.7	30.0	29.6
Royalties and license fees	38.7	41.6	42.3	41.1	42.9	42.9	43.4
Other private services	108.1	116.6	119.6	120.3	123.2	126.4	130.7
Other	23.2	25.0	25.6	26.3	26.6	26.6	26.8
Imports of goods and services	1,383.0	1,438.5	1,471.5	1,501.4	1,519.0	1,536.1	1,548.3
Imports of goods ¹	1,167.2	1,192.1	1,220.9	1,242.5	1,256.1	1,274.1	1,274.3
Foods, feeds, and beverages	46.6	49.8	50.4	52.0	54.4	55.0	54.8
Industrial supplies and materials, except petroleum and products	164.8	160.2	163.5	168.7	177.2	174.8	178.4
Durable goods	80.0	81.0	82.2	84.9	82.8	79.9	82.1
Nondurable goods	84.8	79.1	81.3	83.9	94.4	94.9	96.3
Petroleum and products	103.6	103.4	110.7	117.9	136.3	130.9	136.5
Capital goods, except automotive	298.0	284.0	285.3	284.9	282.8	291.0	291.4
Civilian aircraft, engines, and parts	31.4	25.7	22.2	26.6	23.7	24.0	23.2
Computers, peripherals, and parts	74.0	75.3	74.7	74.4	73.1	75.1	75.8
Other	192.6	183.0	188.4	183.9	186.0	191.9	192.4
Automotive vehicles, engines, and parts	189.8	204.0	210.0	208.1	203.2	210.3	205.0
Consumer goods, except automotive	284.5	307.6	315.0	322.9	327.5	328.5	329.3
Durable goods	146.7	160.5	163.2	164.8	163.5	165.4	167.5
Nondurable goods	137.8	147.1	151.8	158.1	164.0	163.1	161.8
Other	79.9	83.2	86.0	88.0	74.7	83.7	78.9
Imports of services ¹	215.8	246.4	250.6	258.9	262.9	262.0	274.0
Direct defense expenditures	15.2	18.8	19.4	19.9	22.0	23.3	23.1
Travel	60.1	61.3	61.4	65.8	63.0	58.4	65.1
Passenger fares	22.4	21.6	21.9	23.3	22.0	21.9	25.2
Other transportation	38.8	39.1	39.5	41.4	43.6	44.8	44.6
Royalties and license fees	16.4	18.3	19.2	17.2	18.5	19.1	19.3
Other private services	54.6	78.5	80.4	82.5	84.8	85.4	87.6
Other	8.3	8.7	8.7	8.8	9.0	9.1	9.2
Addenda:							
Exports of agricultural goods ²	54.9	54.5	53.4	55.3	57.3	57.8	60.6
Exports of nonagricultural goods	678.6	649.1	669.1	647.3	654.6	654.1	663.9
Imports of nonpetroleum goods	1,063.6	1,088.8	1,110.2	1,124.5	1,119.8	1,143.2	1,137.8

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes parts of foods, feeds, and beverages, of nondurable industrial supplies and materials, and of nondurable nonautomotive consumer goods.

Table 4.4. Real Exports and Imports of Goods and Services by Type of Product

[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Exports of goods and services	1,076.1	1,058.8	1,077.7	1,061.6	1,058.1	1,055.5	1,079.3
Exports of goods ¹	785.2	756.9	773.5	750.3	753.9	750.8	764.7
Foods, feeds, and beverages	62.3	60.9	59.4	59.6	61.7	59.7	60.0
Industrial supplies and materials	162.2	162.8	163.1	163.9	167.0	165.5	167.3
Durable goods	61.7	60.5	60.9	60.4	61.9	62.1	60.5
Nondurable goods	100.4	102.2	101.9	103.3	104.9	103.3	106.5
Capital goods, except automotive	355.8	324.8	336.8	318.6	316.7	315.8	328.5
Civilian aircraft, engines, and parts	44.8	42.2	46.6	39.3	37.1	35.3	38.4
Computers, peripherals, and parts	75.4	64.4	63.6	66.3	65.1	63.2	68.7
Other	238.6	219.1	225.5	215.7	217.6	220.4	225.0
Automotive vehicles, engines, and parts	73.4	76.1	79.9	74.7	75.8	75.8	74.6
Consumer goods, except automotive	87.9	84.6	86.0	85.6	86.7	88.3	90.3
Durable goods	46.0	43.9	44.8	43.9	42.9	44.5	46.0
Nondurable goods	41.9	40.7	41.2	41.7	43.8	43.8	44.3
Other	44.5	47.3	47.7	47.0	45.1	44.6	43.6
Exports of services ¹	292.0	301.5	304.0	310.0	303.5	303.9	313.5
Transfers under U.S. military agency sales contracts	11.5	11.8	11.6	12.0	12.0	12.7	13.8
Travel	65.5	64.4	64.2	68.1	62.2	58.2	63.2
Passenger fares	17.0	16.1	15.8	16.9	14.3	14.1	15.5
Other transportation	26.6	26.4	26.3	26.8	26.0	27.4	26.0
Royalties and license fees	35.6	37.8	38.4	37.2	38.4	38.5	38.6
Other private services	119.1	126.8	129.3	129.6	131.9	134.7	137.7
Other	19.3	21.2	21.7	22.4	22.5	22.6	22.9
Residual	-7.5	-3.0	-1.1	-3.3	-5.1	-5.4	-6.0
Imports of goods and services	1,492.0	1,547.4	1,565.7	1,593.8	1,568.4	1,601.7	1,602.0
Imports of goods ¹	1,270.5	1,320.1	1,340.3	1,360.8	1,337.4	1,380.4	1,371.3
Foods, feeds, and beverages	51.7	54.6	55.0	55.7	57.4	58.1	57.6
Industrial supplies and materials, except petroleum and products	160.9	166.7	169.1	171.9	168.8	168.9	172.1
Durable goods	81.0	85.2	85.9	89.0	86.7	83.6	83.3
Nondurable goods	79.7	81.3	83.0	82.7	81.9	84.6	87.8
Petroleum and products	89.2	86.7	85.5	90.2	87.3	97.4	95.8
Capital goods, except automotive	400.0	393.2	394.9	397.6	394.9	406.5	407.0
Civilian aircraft, engines, and parts	27.3	21.9	18.9	22.6	20.1	20.1	19.2
Computers, peripherals, and parts	138.4	152.3	151.3	154.3	153.5	159.8	164.4
Other	236.6	229.5	236.2	231.3	233.2	239.8	238.9
Automotive vehicles, engines, and parts	186.7	200.1	205.9	203.4	198.8	205.3	200.2
Consumer goods, except automotive	298.9	326.6	334.4	343.2	348.6	349.3	350.3
Durable goods	159.6	177.5	180.6	183.1	182.1	184.2	186.6
Nondurable goods	139.4	149.4	154.0	160.2	166.3	165.0	163.7
Other	79.8	83.8	86.6	88.1	73.8	82.5	77.6
Imports of services ¹	222.4	227.2	226.0	233.0	230.7	223.8	231.2
Direct defense expenditures	17.5	20.9	20.6	20.8	21.5	21.9	21.9
Travel	63.5	61.9	60.0	63.6	58.5	51.5	57.8
Passenger fares	17.7	16.2	15.5	17.6	16.6	16.0	17.7
Other transportation	33.6	35.1	35.1	36.1	36.6	35.8	34.0
Royalties and license fees	15.0	16.7	17.5	15.5	16.6	17.1	17.2
Other private services	69.8	70.4	71.2	73.0	74.5	75.0	76.5
Other	8.0	8.3	8.2	8.2	8.2	8.1	8.0
Residual	-2.5	-4.4	-5.3	-1.6	-5.2	-4.1	-6.2
Addenda:							
Exports of agricultural goods ²	70.5	68.8	65.8	66.9	68.8	68.2	70.1
Exports of nonagricultural goods	714.9	688.5	707.4	683.5	685.4	682.9	694.9
Imports of nonpetroleum goods	1,177.1	1,229.8	1,252.3	1,266.4	1,246.9	1,275.1	1,268.2

* The chained-dollar estimates for computers can be used to accurately measure the real growth rate of this component. However, for computers, or for other components that exhibit rapid changes in prices relative to other prices in the economy, the chained-dollar estimates should not be used to measure the component's relative importance or its contribution to the growth rate of more aggregate series.

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. For exports and for imports, the residual line is the difference between the aggregate line and the sum of the most detailed lines.

Chain-type quantity indexes for the series in this table are shown in table 7.10.

Contributions to the percent change in real exports and in real imports of goods and services are shown in table 8.5.

See footnotes to table 4.3.

5. Saving and Investment

Table 5.1. Gross Saving and Investment
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Gross saving	1,662.4	1,565.1	1,535.5	1,517.5	1,479.4	1,476.3	
Gross private saving	1,399.3	1,589.6	1,570.2	1,593.8	1,591.9	1,643.9	
Personal saving	169.7	285.8	276.9	281.8	278.9	259.7	276.7
Undistributed corporate profits with inventory valuation and capital consumption adjustments	122.7	139.9	118.6	129.4	127.0	203.2	
Undistributed profits	61.2	17.6	16.1	28.2	38.6	6.4	
Inventory valuation adjustment	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	
Capital consumption adjustment	56.5	129.1	117.6	109.7	115.3	199.0	229.8
Corporate consumption of fixed capital	789.1	827.5	836.1	839.3	837.6	832.2	834.2
Noncorporate consumption of fixed capital	317.7	336.4	338.7	343.3	348.3	348.7	350.9
Wage accruals less disbursements .....	.0	.0	.0	.0	.0	.0	.0
Gross government saving	263.1	-24.5	-34.7	-76.2	-112.4	-167.6	
Federal	170.7	-100.2	-108.3	-153.0	-175.4	-284.4	
Consumption of fixed capital	98.7	101.9	102.2	103.6	104.7	105.8	107.2
Current surplus or deficit (-), national income and product accounts	72.0	-202.1	-210.5	-256.6	-280.1	-390.2	
State and local	92.4	75.7	73.6	76.7	63.0	116.7	
Consumption of fixed capital	123.7	127.7	128.3	129.1	130.8	131.6	132.5
Current surplus or deficit (-), national income and product accounts	-31.3	-52.0	-54.7	-52.4	-67.9	-14.9	
Gross investment	1,545.1	1,456.2	1,453.4	1,439.3	1,404.8	1,406.4	
Gross private domestic investment	1,586.0	1,593.2	1,597.3	1,628.1	1,611.2	1,616.5	1,656.0
Gross government investment	335.8	351.9	351.7	352.2	353.6	360.0	365.0
Net foreign investment	-376.7	-488.9	-495.6	-541.0	-559.9	-570.0	
Statistical discrepancy	-117.3	-108.8	-82.1	-78.2	-74.6	-69.8	
Addendum:							
Gross saving as a percentage of gross national product	16.5	15.0	14.6	14.3	13.9	13.7	

Table 5.4. Private Fixed Investment by Type
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Private fixed investment	1,646.3	1,589.3	1,579.7	1,603.6	1,610.7	1,635.0	1,693.0
Nonresidential	1,201.6	1,117.4	1,109.8	1,117.1	1,103.4	1,119.0	1,149.8
Structures	324.5	269.3	259.4	254.2	254.9	257.3	257.1
Nonresidential buildings, including farm	216.3	179.2	171.1	170.9	171.3	172.2	174.2
Utilities	55.0	53.1	51.5	50.6	49.4	46.7	42.2
Mining exploration, shafts, and wells	42.7	30.6	31.0	27.3	29.2	33.1	35.0
Other structures	10.5	6.4	5.8	5.4	4.9	5.3	5.7
Equipment and software	877.1	848.1	850.4	863.0	848.6	861.7	892.7
Information processing equipment and software	404.3	399.7	406.9	406.3	411.8	426.9	442.5
Computers and peripheral equipment ¹	74.2	74.2	76.8	75.4	76.3	82.4	88.3
Software ²	180.4	182.8	186.3	186.7	187.0	191.0	195.5
Other	149.8	142.7	143.8	144.2	148.5	153.6	158.8
Industrial equipment	159.0	152.2	153.3	151.5	149.8	149.7	151.9
Transportation equipment	165.8	148.9	141.7	154.5	138.5	134.9	138.9
Other	148.0	147.4	148.5	150.8	148.4	150.1	159.3
Residential	444.8	471.9	469.9	486.5	507.3	516.0	543.2
Structures	435.4	462.4	460.4	476.9	497.7	506.1	532.9
Single family	232.1	247.0	245.3	257.4	273.8	275.2	287.1
Multifamily	30.7	33.6	33.4	32.4	35.7	35.4	36.6
Other structures	172.7	181.8	181.7	187.1	188.2	195.5	209.2
Equipment	9.3	9.6	9.5	9.6	9.6	9.9	10.3

1. Includes new computers and peripheral equipment only.

2. Excludes software "embedded," or bundled, in computers and other equipment.

Table 5.5. Real Private Fixed Investment by Type
[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Private fixed investment	1,627.4	1,577.3	1,571.6	1,588.5	1,587.9	1,615.3	1,669.1
Nonresidential	1,255.1	1,183.4	1,178.7	1,185.3	1,172.1	1,193.0	1,224.9
Structures	270.9	226.4	218.2	212.6	211.0	213.2	211.9
Nonresidential buildings, including farm	178.7	145.6	139.1	137.8	136.5	137.2	138.6
Utilities	50.3	47.3	45.6	44.6	43.2	40.5	36.2
Mining exploration, shafts, and wells	34.0	29.2	29.9	26.5	28.4	32.7	33.9
Other structures	9.3	5.5	5.0	4.6	4.2	4.5	4.8
Equipment and software	988.2	971.1	977.2	992.1	979.9	999.5	1,036.0
Information processing equipment and software	548.5	563.1	575.2	579.7	594.5	620.7	647.3
Computers and peripheral equipment ¹	239.9	283.7	297.6	303.2	319.1	354.9	390.3
Software ²	182.0	185.7	189.4	190.3	192.5	196.8	201.3
Other	163.9	158.2	159.7	160.7	165.3	171.6	177.9
Industrial equipment	153.8	146.9	147.9	145.9	143.9	143.6	144.9
Transportation equipment	163.6	147.0	141.7	151.4	135.8	133.7	136.4
Other	140.7	139.3	140.3	142.3	139.6	140.8	149.3
Residential	373.5	388.2	387.1	395.9	405.5	412.0	431.6
Structures	364.0	378.5	377.4	386.1	395.6	401.7	420.9
Single family	192.6	200.5	199.8	206.5	214.7	216.2	224.9
Multifamily	24.4	26.3	26.2	25.1	27.0	26.8	27.7
Other structures	146.9	151.6	151.3	154.4	153.5	158.6	168.2
Equipment	9.5	9.7	9.7	9.8	9.9	10.4	10.8
Residual	-62.2	-99.2	-111.6	-114.6	-125.7	-153.0	-176.1

1. Includes new computers and peripheral equipment only. The chained-dollar estimates for computers can be used to accurately measure the real growth rate of this component. However, for computers, or for other components that exhibit rapid changes in prices relative to other prices in the economy, the chained-dollar estimates should not be used to measure the component's relative importance or its contribution to the growth rate of more aggregate series; accurate estimates of these contributions are shown in table 8.4.

2. Excludes software "embedded," or bundled, in computers and other equipment.
NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.
Chain-type quantity indexes for the series in this table are shown in table 7.6.
Contributions to the percent change in real private fixed investment are shown in table 8.4.

Table 5.10B. Change in Private Inventories by Industry
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Change in private inventories	-60.3	3.9	17.6	24.5	.4	-18.5	-37.0
Farm.....	1.6	.5	-2.3	-1.5	.5	-6	-1
Construction, mining, and utilities	7.6	-9	-2.5	-1.7	-14.2	-4.6	-2.4
Manufacturing.....	-35.9	-11.3	-2.7	2.8	-6.1	-14.5	-20.3
Durable goods industries ...	-29.3	-11.3	-10.2	5.4	-9.6	-15.4	-19.3
Nondurable goods industries	-6.5	.0	7.6	-2.6	3.5	.9	-1.0
Wholesale trade.....	-15.6	-3.7	7.1	6.6	-3.1	-7.6	-5.4
Durable goods industries ...	-19.7	-3.4	6.1	3.7	1.7	-6.7	-8.3
Nondurable goods industries	4.0	-3	.9	2.9	-4.7	.9	2.9
Retail trade.....	-20.7	16.8	15.6	15.7	21.9	6.1	-8.0
Motor vehicle dealers	-15.5	10.4	4.6	7.8	15.6	5.8	-4.9
Food and beverage stores ...	.6	-1	1.7	-1	.5	-8	1.2
General merchandise stores	-5	1.3	2.6	7.1	1.1	-1	-4.0
Other retail stores.....	-5.3	5.3	6.6	1.0	4.7	1.2	-3
Other industries	2.7	2.5	2.3	2.5	1.4	2.6	-9
Addenda:							
Change in private inventories	-60.3	3.9	17.6	24.5	.4	-18.5	-37.0
Durable goods industries.	-65.0	1.1	4.8	24.5	11.6	-14.3	-32.1
Nondurable goods industries.....	4.7	2.8	12.7	-1	-11.2	-4.1	-4.9
Nonfarm industries.....	-61.9	3.4	19.8	26.0	-1	-17.9	-37.0
Nonfarm change in book value ¹	-75.5	14.1	38.1	41.9	45.4	-21.2	-32.8
Nonfarm inventory valuation adjustment ²	13.6	-10.7	-18.2	-15.9	-45.5	3.3	-4.1
Wholesale trade.....	-15.6	-3.7	7.1	6.6	-3.1	-7.6	-5.4
Merchant wholesale trade	-12.6	-4.2	3.9	4.0	.7	-7.1	-7.3
Durable goods industries	-16.8	-3.9	3.8	1.9	4.8	-5.6	-9.4
Nondurable goods industries	4.2	-3	.1	2.0	-4.0	-1.5	2.1
Nonmerchant wholesale trade	-3.1	.5	3.2	2.7	-3.8	-5	1.9

Table 5.11B. Real Change in Private Inventories by Industry
[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Change in private inventories	-61.4	5.2	18.8	25.8	4.8	-17.6	-35.8
Farm.....	2.0	1.1	-2.2	-8	1.0	-4	.3
Construction, mining, and utilities	6.4	-7	-2.3	-1.1	-9.9	-3.6	-1.9
Manufacturing.....	-36.2	-11.5	-2.6	2.8	-6.1	-14.3	-19.7
Durable goods industries ...	-30.1	-11.4	-10.3	5.5	-9.8	-15.5	-19.1
Nondurable goods industries	-6.3	-1	7.4	-2.5	3.4	.8	-1.0
Wholesale trade.....	-16.5	-3.4	7.9	7.0	-2.2	-7.4	-5.6
Durable goods industries ...	-21.8	-3.6	6.5	3.8	2.1	-7.1	-9.2
Nondurable goods industries	4.3	.0	1.6	3.1	-3.8	.7	2.8
Retail trade.....	-20.3	16.6	15.5	15.2	21.8	6.1	-7.7
Motor vehicle dealers	-15.5	10.5	4.7	7.8	16.0	5.9	-5.1
Food and beverage stores ...	.5	-1	1.6	-1	.4	-7	1.1
General merchandise stores	-4	1.3	2.6	6.8	1.1	.0	-3.8
Other retail stores.....	-5.2	5.2	6.6	1.0	4.9	1.3	-2
Other industries	2.6	2.5	2.3	2.5	1.4	2.6	-8
Residual.....	2.1	.5	.3	-2	-2.0	-2	1.1
Addenda:							
Change in private inventories	-61.4	5.2	18.8	25.8	4.8	-17.6	-35.8
Durable goods industries	-67.9	1.4	5.0	25.1	12.2	-14.5	-33.0
Nondurable goods industries.....	4.8	3.8	13.6	1.4	-6.7	-3.6	-4.2
Nonfarm industries	-63.2	4.1	20.8	26.5	3.8	-17.1	-36.1
Wholesale trade.....	-16.5	-3.4	7.9	7.0	-2.2	-7.4	-5.6
Merchant wholesale trade	-13.3	-3.9	4.6	4.2	1.8	-7.0	-7.6
Durable goods industries	-18.7	-4.1	4.0	1.9	5.5	-5.8	-10.4
Nondurable goods industries	4.5	.0	.8	2.3	-3.2	-1.3	2.1
Nonmerchant wholesale trade	-3.2	.5	3.2	2.7	-3.7	-5	1.8

NOTE. Estimates in this table are based on the North American Industry Classification System (NAICS). Chained (1996) dollar series for real change in private inventories are calculated as the period-to-period change in chained-dollar end-of-period inventories. Quarterly changes in end-of-period inventories are stated at annual rates. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

1. This series is derived from the Census Bureau series "current cost inventories."

2. The inventory valuation adjustment (IVA) shown in this table differs from the IVA that adjusts business incomes. The IVA in this table reflects the mix of methods (such as first-in, first-out and last-in, first-out) underlying inventories derived primarily from Census Bureau statistics (see footnote 1). This mix differs from that underlying business income derived primarily from Internal Revenue Service statistics.

NOTE. Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 5.12B. Private Inventories and Domestic Final Sales by Industry
[Billions of dollars]

	Seasonally adjusted quarterly totals				
	2002		2003		
	III	IV	I	II	III
Private inventories ¹	1,446.9	1,462.9	1,488.9	1,480.4	1,480.5
Farm.....	100.1	106.6	108.5	110.7	117.3
Construction, mining, and utilities.....	41.3	43.6	45.6	43.8	42.7
Manufacturing.....	447.9	449.1	455.0	450.5	446.1
Durable goods industries.....	270.2	271.1	270.2	266.9	262.3
Nondurable goods industries.....	177.7	178.0	184.8	183.7	183.8
Wholesale trade.....	341.2	342.4	347.3	343.1	344.2
Durable goods industries.....	195.1	196.0	197.4	195.3	193.8
Nondurable goods industries.....	146.1	146.4	149.9	147.8	150.4
Retail trade.....	402.3	406.3	414.9	414.7	412.5
Motor vehicle dealers.....	125.1	126.0	131.0	131.3	128.5
Food and beverage stores.....	33.4	33.5	33.9	33.9	34.6
General merchandise stores.....	63.3	65.4	65.8	65.9	65.0
Other retail stores.....	180.4	181.4	184.2	183.7	184.5
Other industries.....	114.1	115.1	117.6	117.6	117.6
Addenda:					
Private inventories.....	1,446.9	1,462.9	1,488.9	1,480.4	1,480.5
Durable goods industries.....	672.9	677.2	683.9	679.6	671.1
Nondurable goods industries.....	774.0	785.7	805.1	800.8	809.4
Nonfarm industries.....	1,346.8	1,356.4	1,380.4	1,369.7	1,363.2
Wholesale trade.....	341.2	342.4	347.3	343.1	344.2
Merchant wholesale trade.....	292.1	292.6	296.4	293.7	293.8
Durable goods industries.....	167.6	168.0	170.0	168.3	166.5
Nondurable goods industries.....	124.5	124.6	126.3	125.4	127.3
Nonmerchant wholesale trade.....	49.1	49.8	51.0	49.4	50.4
Final sales of domestic business ²	732.6	737.2	744.8	754.9	775.4
Final sales of goods and structures of domestic business ²	386.6	386.1	391.2	395.0	410.7
Ratios of private inventories to final sales of domestic business:					
Private inventories to final sales.....	1.98	1.98	2.00	1.96	1.91
Nonfarm inventories to final sales.....	1.84	1.84	1.85	1.81	1.76
Nonfarm inventories to final sales of goods and structures.....	3.48	3.51	3.53	3.47	3.32

1. Inventories are as of the end of the quarter. The quarter-to-quarter change in inventories calculated from current-dollar inventories in this table is not the current-dollar change in the private inventories component of GDP. The former is the difference between two inventory stocks, each valued at its respective end-of-quarter prices. The latter is the change in the physical volume of inventories valued at average prices of the quarter. In addition, changes calculated from this table are at quarterly rates, whereas, the change in private inventories is stated at annual rates.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and of general government, and it includes a small amount of final sales by farm and by government enterprises.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 5.13B. Real Private Inventories and Real Domestic Final Sales by Industry
[Billions of chained (1996) dollars]

	Seasonally adjusted quarterly totals				
	2002		2003		
	III	IV	I	II	III
Private inventories ¹	1,457.4	1,463.9	1,465.1	1,460.7	1,451.7
Farm.....	107.2	107.1	107.3	107.2	107.3
Construction, mining, and utilities.....	39.6	39.3	36.8	35.9	35.5
Manufacturing.....	447.5	448.2	446.7	443.1	438.2
Durable goods industries.....	273.9	275.3	272.9	269.0	264.2
Nondurable goods industries.....	173.3	172.7	173.6	173.7	173.5
Wholesale trade.....	352.4	354.2	353.6	351.8	350.4
Durable goods industries.....	212.8	213.8	214.3	212.5	210.2
Nondurable goods industries.....	138.5	139.3	138.3	138.1	138.8
Retail trade.....	394.1	397.9	403.4	404.9	402.9
Motor vehicle dealers.....	127.5	129.4	133.4	134.9	133.6
Food and beverage stores.....	30.5	30.4	30.5	30.4	30.6
General merchandise stores.....	61.7	63.4	63.7	63.7	62.7
Other retail stores.....	174.4	174.7	175.9	176.2	176.2
Other industries.....	114.3	114.9	115.2	115.9	115.7
Residual.....	3.7	3.6	3.2	3.2	3.4
Addenda:					
Private inventories.....	1,457.4	1,463.9	1,465.1	1,460.7	1,451.7
Durable goods industries.....	696.6	702.9	706.0	702.4	694.1
Nondurable goods industries.....	758.0	758.3	756.7	755.8	754.7
Nonfarm industries.....	1,349.3	1,355.9	1,356.9	1,352.6	1,343.5
Wholesale trade.....	352.4	354.2	353.6	351.8	350.4
Merchant wholesale trade.....	303.5	304.5	305.0	303.2	301.3
Durable goods industries.....	183.1	183.6	184.9	183.5	180.9
Nondurable goods industries.....	119.4	120.0	119.2	118.8	119.4
Nonmerchant wholesale trade.....	49.0	49.6	48.7	48.6	49.0
Final sales of domestic business ²	670.6	672.0	676.0	683.6	699.1
Final sales of goods and structures of domestic business ²	373.3	372.0	376.1	380.3	394.7
Ratios of private inventories to final sales of domestic business:					
Private inventories to final sales.....	2.17	2.18	2.17	2.14	2.08
Nonfarm inventories to final sales.....	2.01	2.02	2.01	1.98	1.92
Nonfarm inventories to final sales of goods and structures.....	3.61	3.64	3.61	3.56	3.40

1. Inventories are as of the end of the quarter. The quarter-to-quarter changes calculated from this table are at quarterly rates, whereas the change in private inventories component of GDP is stated at annual rates.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and of general government, and it includes a small amount of final sales by farm and by government enterprises.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS). Chained (1996) dollar inventory series are calculated to ensure that the chained (1996) dollar change in inventories for 1996 equals the current-dollar change in inventories for 1996 and that the average of the 1995 and 1996 end-of-year chain-weighted and fixed-weighted inventories are equal. Chained (1996) dollar final sales are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines for inventories.

6. Income and Employment by Industry

Table 6.1C. National Income Without Capital Consumption Adjustment by Industry Group
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
National income without capital consumption adjustment	8,053.5	8,174.8	8,196.8	8,270.6	8,348.1	8,370.5	
Domestic industries	8,031.5	8,184.4	8,207.7	8,279.8	8,358.4	8,374.1	
Private industries	6,969.4	7,068.4	7,086.4	7,149.6	7,208.2	7,215.2	
Agriculture, forestry, and fishing.....	111.1	109.5	108.0	110.6	114.5	115.5	
Mining.....	69.5	59.1	57.5	63.2	66.3	65.6	
Construction.....	438.9	442.0	442.5	445.6	446.2	450.4	
Manufacturing.....	1,132.2	1,122.2	1,131.3	1,137.8	1,152.4	1,134.4	
Durable goods.....	640.5	628.4	634.5	634.6	636.4	626.6	
Nondurable goods.....	491.8	493.8	496.8	503.2	516.0	507.8	
Transportation and public utilities.....	529.9	514.3	512.2	522.3	521.9	536.0	
Transportation.....	236.6	236.2	237.7	242.2	238.3	248.9	
Communications.....	148.4	136.8	134.7	136.9	136.6	142.0	
Electric, gas, and sanitary services.....	144.9	141.3	139.8	143.2	146.9	145.1	
Wholesale trade.....	458.4	465.8	464.9	477.1	475.9	483.5	
Retail trade.....	686.1	702.8	707.7	702.9	707.6	719.2	
Finance, insurance, and real estate services.....	1,571.1	1,635.8	1,639.7	1,641.2	1,646.5	1,646.6	
Services.....	1,972.0	2,016.8	2,022.6	2,048.9	2,077.1	2,064.0	
Government	1,062.1	1,116.0	1,121.3	1,130.2	1,150.2	1,159.0	
Rest of the world	21.9	-9.6	-10.9	-9.2	-10.2	-3.6	

NOTE: Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table 6.16C. Corporate Profits by Industry Group
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Corporate profits with inventory valuation and capital consumption adjustments	731.6	787.4	771.0	796.1	816.5	897.1	
Domestic industries	580.9	668.1	654.9	682.0	710.0	788.9	
Financial.....	173.5	209.7	207.3	207.6	223.5	231.9	
Nonfinancial.....	407.4	458.4	447.6	474.4	486.5	557.0	
Rest of the world	150.8	119.3	116.1	114.1	106.5	108.2	
Receipts from the rest of the world.....	172.4	177.0	185.9	187.3	193.0	196.6	
Less: Payments to the rest of the world.....	21.6	57.7	69.7	73.3	86.6	88.4	
Corporate profits with inventory valuation adjustment	675.1	658.3	653.4	686.4	701.2	698.1	
Domestic industries	524.4	539.0	537.3	572.3	594.7	589.9	
Financial.....	190.6	217.3	216.1	216.5	230.3	226.6	
Federal Reserve banks.....	27.9	22.8	22.9	21.2	20.9	20.7	
Other.....	162.8	194.5	193.2	195.2	209.4	205.9	
Nonfinancial.....	333.7	321.7	321.2	355.8	364.4	363.3	
Manufacturing.....	83.4	92.6	100.5	108.9	122.0	106.9	
Durable goods.....	9.9	17.0	22.8	24.6	28.0	21.0	
Primary metal industries.....	-1.6	1.2	1.3	2.6	2.6	-1.7	
Fabricated metal products.....	9.0	5.8	4.7	7.3	6.0	7.6	
Industrial machinery and equipment.....	-6	-2.5	-1	-2.2	-6	-3.3	
Electronic and other electric equipment.....	-3.2	.7	4.0	6.1	8.8	11.7	
Motor vehicles and equipment.....	-9.4	-7.6	-6.6	-7.7	3.3	-3.7	
Other.....	15.7	19.4	19.5	18.5	7.8	10.3	
Nondurable goods.....	73.5	75.6	77.6	84.3	94.0	85.9	
Food and kindred products.....	16.6	20.1	21.0	21.1	22.8	21.0	
Chemicals and allied products.....	15.2	16.9	17.0	18.9	20.9	14.8	
Petroleum and coal products.....	25.7	16.9	17.4	20.7	36.5	33.1	
Other.....	16.0	21.8	22.3	23.7	13.9	17.0	
Transportation and public utilities.....	27.7	16.7	13.2	21.5	20.1	33.8	
Transportation.....	1.2	.3	-3	3.6	-1.5	11.5	
Communications.....	-5.8	-11.7	-13.1	-11.8	-11.3	-8.7	
Electric, gas, and sanitary services.....	32.2	28.1	26.5	29.6	33.0	31.1	
Wholesale trade.....	44.8	47.3	44.5	58.9	51.4	57.3	
Retail trade.....	79.1	81.2	82.5	75.1	74.8	85.9	
Other.....	98.8	83.9	80.6	91.5	96.1	79.3	
Rest of the world	150.8	119.3	116.1	114.1	106.5	108.2	

NOTE: Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table 7.2. Quantity and Price Indexes for Gross Domestic Product, Final Sales, and Purchases
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted					
			2002		2003			
			III	IV	I	II	III	
Gross domestic product:								
Current dollars	129.04	133.70	134.47	135.53	136.80	138.26	141.28	
Chain-type quantity index	117.94	120.82	121.41	121.82	122.26	123.25	125.39	
Chain-type price index	109.42	110.66	110.76	111.25	111.90	112.18	112.67	
Implicit price deflator	109.42	110.66	110.76	111.25	111.90	112.18	112.67	
Final sales of domestic product:								
Current dollars	130.31	134.17	134.76	135.73	137.32	139.03	142.30	
Chain-type quantity index	118.95	121.09	121.51	121.84	122.52	123.74	126.10	
Chain-type price index	109.55	110.80	110.91	111.40	112.08	112.36	112.85	
Implicit price deflator	109.55	110.80	110.91	111.40	112.08	112.36	112.85	
Gross domestic purchases:								
Current dollars	132.00	137.56	138.43	140.02	141.43	143.09	145.87	
Chain-type quantity index	121.50	125.15	125.72	126.62	126.81	128.19	130.06	
Chain-type price index	108.65	109.90	110.11	110.59	111.53	111.62	112.16	
Implicit price deflator	108.65	109.91	110.11	110.59	111.53	111.63	112.16	
Final sales to domestic purchasers:								
Current dollars	133.27	138.03	138.74	140.25	141.96	143.87	146.90	
Chain-type quantity index	122.52	125.43	125.84	126.65	127.09	128.69	130.78	
Chain-type price index	108.78	110.04	110.25	110.73	111.70	111.79	112.33	
Implicit price deflator	108.78	110.04	110.25	110.73	111.70	111.79	112.33	
Addenda:								
Final sales of computers: ¹								
Current dollars	101.79	90.86	94.26	94.94	96.44	98.45	111.64	
Chain-type quantity index	420.15	474.70	504.33	535.03	569.35	605.39	714.57	
Chain-type price index	24.23	19.27	18.71	17.76	16.96	16.28	15.64	
Implicit price deflator	24.23	19.14	18.69	17.74	16.94	16.26	15.62	
Gross domestic product less final sales of computers:								
Current dollars	129.32	134.13	134.87	135.94	137.21	138.67	141.58	
Chain-type quantity index	116.43	119.20	119.73	120.09	120.47	121.40	123.38	
Chain-type price index	111.08	112.53	112.65	113.19	113.90	114.22	114.75	
Implicit price deflator	111.07	112.53	112.65	113.19	113.90	114.22	114.76	
Gross domestic purchases less final sales of computers:								
Current dollars	132.27	137.87	138.72	140.34	141.75	143.38	146.09	
Chain-type quantity index	119.61	122.99	123.51	124.35	124.48	125.75	127.46	
Chain-type price index	110.59	112.09	112.32	112.86	113.88	114.02	114.62	
Implicit price deflator	110.58	112.09	112.32	112.86	113.88	114.03	114.62	
Chain-type price indexes for gross domestic product:								
Food	110.45	112.60	112.71	113.16	113.60	114.43	115.17	
Energy goods and services	114.15	104.54	103.44	105.46	111.04	113.27	115.62	
Gross domestic product less food and energy	109.17	110.67	110.81	111.25	111.76	111.92	112.32	
Chain-type price indexes for gross domestic purchases:								
Food	111.48	113.59	113.58	114.08	114.58	115.26	115.95	
Energy goods and services	116.41	108.90	110.56	112.91	125.50	120.96	124.20	
Gross domestic purchases less food and energy	108.05	109.58	109.75	110.15	110.65	110.88	111.28	

1. For some components of final sales of computers, includes computer parts.
NOTE: Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.3. Quantity and Price Indexes for Gross National Product and Command-Basis Gross National Product
[Index numbers, 1996=100]

Gross national product:						
Current dollars	129.02	133.27	134.02	135.10	136.35	137.90
Chain-type quantity index	117.96	120.46	121.03	121.46	121.88	122.94
Chain-type price index	109.39	110.63	110.73	111.22	111.88	112.16
Implicit price deflator	109.38	110.63	110.73	111.22	111.88	112.16
Less: Exports of goods and services and income receipts from the rest of the world:						
Chain-type quantity index	122.04	116.74	119.16	117.39	116.59	116.46
Plus: Command-basis exports of goods and services and income receipts from the rest of the world:						
Chain-type quantity index	125.93	120.07	121.96	120.16	117.56	118.60
Equals: Command-basis gross national product:						
Chain-type quantity index	118.51	120.94	121.43	121.86	122.02	123.25

NOTE: Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.4. Chain-Type Quantity and Price Indexes for Personal Consumption Expenditures by Major Type of Product
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002		2003		
			III	IV	I	II	III
Chain-type quantity indexes							
Personal consumption expenditures	121.76	125.56	126.20	126.74	127.37	128.57	130.64
Durable goods	151.16	162.19	167.47	163.92	163.08	172.19	182.75
Motor vehicles and parts	141.21	149.18	159.04	149.35	146.27	157.24	170.69
Furniture and household equipment	168.03	184.95	186.34	188.94	189.03	196.98	206.48
Other	142.19	150.73	151.66	152.53	155.19	161.52	166.89
Nondurable goods	118.79	122.58	122.35	123.88	125.72	126.14	128.57
Food	112.85	114.80	114.24	115.87	118.29	118.50	120.54
Clothing and shoes	130.61	138.07	137.41	139.92	140.78	142.82	146.25
Gasoline, fuel oil, and other energy goods	108.21	112.75	112.74	113.74	113.94	112.29	114.26
Gasoline and oil	111.75	116.83	117.08	116.89	117.76	116.93	118.44
Fuel oil and coal	81.16	81.82	79.91	89.85	85.20	77.84	83.09
Other	127.12	132.32	132.89	133.90	135.67	136.53	139.35
Services	117.98	120.63	121.01	121.66	121.92	122.35	123.03
Housing	112.09	113.92	114.19	114.66	115.19	115.69	116.39
Household operation	120.60	121.25	121.24	122.89	122.47	121.04	122.63
Electricity and gas	104.46	105.95	105.40	110.94	109.31	104.24	106.57
Other household operation	131.68	131.76	132.14	130.99	131.46	132.85	133.83
Transportation	117.24	116.86	116.63	116.76	116.78	115.78	115.57
Medical care	115.21	120.16	120.87	121.80	123.04	124.34	125.74
Recreation	122.07	124.31	124.10	125.75	124.96	126.10	126.37
Other	125.12	127.83	128.42	128.48	127.99	128.31	128.18
Addenda:							
Energy goods and services ¹	106.37	109.48	109.23	112.35	111.71	108.50	110.64
Personal consumption expenditures less food and energy	124.42	128.62	129.56	129.72	130.08	131.79	133.85
Chain-type price indexes							
Personal consumption expenditures	109.56	111.06	111.36	111.87	112.62	112.84	113.51
Durable goods	89.70	87.19	86.94	86.46	85.64	84.82	84.03
Motor vehicles and parts	99.84	98.36	98.30	98.20	97.75	97.32	96.67
Furniture and household equipment	76.92	72.73	72.29	71.33	70.31	68.95	67.56
Other	96.08	95.30	95.13	94.99	93.97	93.65	94.05
Nondurable goods	109.17	109.61	109.92	110.25	111.51	110.96	111.96
Food	111.89	114.09	114.13	114.63	115.10	115.78	116.49
Clothing and shoes	93.35	90.84	90.34	90.25	89.13	88.28	88.46
Gasoline, fuel oil, and other energy goods	118.11	109.96	113.02	116.06	132.43	123.36	129.91
Gasoline and oil	116.80	109.10	112.32	115.18	130.69	121.61	128.88
Fuel oil and coal	130.74	117.70	118.83	123.78	149.18	140.50	138.33
Other	112.01	113.97	114.46	113.97	113.67	113.71	114.13
Services	114.32	117.44	117.88	118.74	119.64	120.57	121.48
Housing	117.15	121.74	122.21	123.07	123.83	124.29	125.00
Household operation	106.18	105.32	105.63	106.23	108.71	109.95	110.01
Electricity and gas	114.84	108.62	108.64	109.57	115.17	120.05	120.19
Other household operation	101.45	103.47	103.94	104.36	105.05	104.28	104.29
Transportation	108.08	110.20	110.52	111.28	111.17	112.05	113.78
Medical care	114.27	117.36	117.73	118.66	118.96	119.87	121.06
Recreation	116.58	120.04	120.57	121.45	122.58	123.35	124.16
Other	116.35	119.94	120.47	121.40	122.64	123.95	124.92
Addenda:							
Energy goods and services ¹	116.62	109.37	111.04	113.10	124.41	121.82	125.41
Personal consumption expenditures less food and energy	108.78	110.64	110.91	111.33	111.54	111.84	112.35

1. Consists of gasoline, fuel oil, and other energy goods and of electricity and gas.

Table 7.6. Chain-Type Quantity and Price Indexes for Private Fixed Investment by Type
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002		2003		
			III	IV	I	II	III
Chain-type quantity indexes							
Private fixed investment	134.20	130.06	129.60	130.99	130.94	133.20	137.63
Nonresidential	139.55	131.57	131.05	131.79	130.32	132.64	136.18
Structures	120.43	100.62	96.97	94.47	93.79	94.76	94.20
Nonresidential buildings, including farm.....	110.52	90.04	86.07	85.27	84.43	84.90	85.77
Utilities.....	139.52	131.34	126.53	123.65	119.78	112.41	100.57
Mining exploration, shafts, and wells.....	161.41	138.63	141.96	125.83	134.57	155.14	160.80
Other structures.....	149.20	89.29	80.03	74.39	67.94	72.48	78.04
Equipment and software	146.51	143.98	144.88	147.09	145.28	148.20	153.60
Information processing equipment and software.....	190.92	196.02	200.24	201.81	206.94	216.08	225.33
Computers and peripheral equipment ¹	338.61	400.31	420.05	427.94	450.31	500.90	550.84
Software ²	191.35	195.21	199.09	199.97	202.37	206.80	211.62
Other.....	135.16	130.48	131.65	132.51	136.35	141.47	146.70
Industrial equipment.....	112.69	107.67	108.38	106.89	105.43	105.24	106.20
Transportation equipment.....	117.80	105.81	102.02	108.97	97.73	96.28	98.19
Other.....	125.83	124.61	125.47	127.28	124.85	125.87	133.52
Residential	119.22	123.92	123.59	126.39	129.45	131.53	137.78
Structures	119.12	123.84	123.51	126.34	129.43	131.44	137.71
Single family.....	121.05	125.99	125.53	129.80	134.96	135.85	141.33
Multifamily.....	120.21	129.37	129.14	123.51	132.88	131.86	136.05
Other structures.....	116.48	120.15	119.95	122.38	121.70	125.68	133.34
Equipment	123.67	127.27	127.23	128.19	129.85	135.75	140.62
Chain-type price indexes							
Private fixed investment	101.16	100.76	100.52	100.95	101.44	101.21	101.43
Nonresidential	95.73	94.43	94.17	94.25	94.15	93.80	93.88
Structures	119.76	118.95	118.89	119.57	120.79	120.67	121.32
Nonresidential buildings, including farm.....	121.05	123.06	122.92	123.91	125.41	125.36	125.56
Utilities.....	109.45	112.12	112.82	113.50	114.45	115.34	116.28
Mining exploration, shafts, and wells.....	125.45	104.34	103.41	102.63	102.86	101.02	103.17
Other structures.....	113.16	116.00	116.35	116.36	117.13	118.04	118.53
Equipment and software	88.76	87.36	87.04	87.00	86.61	86.22	86.18
Information processing equipment and software.....	73.72	71.04	70.76	70.12	69.30	68.81	68.40
Computers and peripheral equipment ¹	30.91	26.26	25.84	24.91	23.94	23.24	22.66
Software ²	99.10	98.43	98.34	98.13	97.13	97.07	97.08
Other.....	91.37	90.23	90.10	89.75	89.82	89.55	89.28
Industrial equipment.....	103.40	103.56	103.67	103.83	104.14	104.27	104.84
Transportation equipment.....	101.32	101.26	100.03	102.05	102.05	100.86	101.88
Other.....	105.16	105.76	105.84	105.91	106.31	106.63	106.65
Residential	119.09	121.57	121.38	122.88	125.10	125.23	125.85
Structures	119.61	122.16	121.98	123.51	125.82	125.98	126.62
Single family.....	120.50	123.20	122.80	124.60	127.48	127.29	127.68
Multifamily.....	125.60	127.74	127.33	129.19	132.18	131.98	132.39
Other structures.....	117.49	119.90	120.04	121.18	122.57	123.31	124.32
Equipment	98.50	98.17	97.91	97.97	96.96	95.54	95.45

1. Includes new computers and peripheral equipment only.

2. Excludes software "embedded," or bundled, in computers and other equipment.

Table 7.9. Chain-Type Quantity and Price Indexes for Exports and Imports of Goods and Services and for Receipts and Payments of Income
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002		2003		
			III	IV	I	II	III
Chain-type quantity indexes							
Exports of goods and services	123.10	121.13	123.28	121.44	121.04	120.75	123.47
Goods ¹	126.97	122.40	125.08	121.34	121.91	121.42	123.66
Durable.....	132.39	125.49	129.63	123.66	123.37	123.57	125.99
Nondurable.....	115.23	115.67	115.23	116.17	118.54	116.65	118.52
Services ¹	114.18	117.87	118.87	121.19	118.67	118.83	122.58
Imports of goods and services	118.90	103.17	106.41	104.85	102.83	103.19	.....
Income receipts	154.91	160.66	162.56	165.48	162.84	166.30	166.33
Goods ¹	157.18	163.31	165.81	168.34	165.45	170.77	169.65
Durable.....	162.31	169.03	171.66	172.82	169.12	173.17	171.95
Nondurable.....	146.27	151.05	153.30	157.97	156.38	163.48	162.52
Services ¹	143.71	146.79	146.02	150.54	149.03	144.60	149.38
Income payments	118.35	114.41	118.46	116.13	114.45	112.26	.....
Chain-type price indexes							
Exports of goods and services	96.10	95.87	96.41	96.62	97.55	97.75	98.21
Goods ¹	93.42	92.98	93.45	93.67	94.46	94.85	94.78
Durable.....	93.56	93.19	93.23	93.22	93.39	93.51	93.40
Nondurable.....	93.17	92.54	94.02	94.76	96.98	97.94	97.99
Services ¹	102.94	103.27	103.97	104.18	105.43	105.19	106.92
Imports of goods and services	108.55	109.74	109.95	110.39	111.40	111.45	.....
Income receipts	92.70	92.99	94.05	94.27	96.92	95.97	96.71
Goods ¹	91.87	90.32	91.15	91.36	93.98	92.35	92.98
Durable.....	87.16	85.57	85.65	85.38	85.38	85.40	85.68
Nondurable.....	102.59	101.23	103.71	104.96	113.13	108.08	109.40
Services ¹	97.03	108.47	110.92	111.16	114.03	117.11	118.57
Income payments	109.57	110.47	110.64	111.03	111.95	111.96	.....

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

Table 7.10. Chain-Type Quantity and Price Indexes for Exports and Imports of Goods and Services by Type of Product
(Index numbers, 1996=100)

	2001	2002	Seasonally adjusted					2001	2002	Seasonally adjusted					
			2002		2003					2002		2003			
			III	IV	I	II	III			III	IV	I	II	III	
	Chain-type quantity indexes						Chain-type price indexes								
Exports of goods and services	123.10	121.13	123.28	121.44	121.04	120.75	123.47	Exports of goods and services	96.10	95.87	96.41	96.62	97.55	97.75	98.21
Exports of goods ¹	126.97	122.40	125.08	121.34	121.91	121.42	123.66	Exports of goods ¹	93.42	92.98	93.45	93.67	94.46	94.85	94.78
Foods, feeds, and beverages.....	112.18	109.72	106.97	107.39	111.03	107.57	108.03	Foods, feeds, and beverages.....	79.31	81.30	83.24	84.37	84.81	87.02	88.33
Industrial supplies and materials.....	114.96	115.43	115.60	116.21	118.37	117.32	118.62	Industrial supplies and materials.....	95.78	94.41	95.87	96.45	99.79	100.71	100.56
Durable goods.....	121.06	118.63	119.61	118.49	121.41	121.83	118.83	Durable goods.....	92.53	92.68	93.37	93.44	95.07	96.24	97.21
Nondurable goods.....	111.41	113.41	113.14	114.68	116.43	114.61	118.20	Nondurable goods.....	97.85	95.56	97.48	98.35	102.71	103.47	102.67
Capital goods, except automotive.....	140.47	128.25	132.98	125.82	125.03	124.71	129.70	Capital goods, except automotive.....	90.44	89.73	89.62	89.48	89.31	89.21	88.76
Civilian aircraft, engines, and parts...	145.39	137.15	151.37	127.77	120.38	114.74	124.73	Civilian aircraft, engines, and parts...	117.54	120.71	120.94	122.19	123.56	124.38	126.00
Computers, peripherals, and parts...	172.40	147.29	145.57	151.70	148.88	144.52	157.06	Computers, peripherals, and parts...	63.09	60.02	59.48	58.79	59.18	59.18	58.56
Other.....	133.48	122.57	126.15	120.68	121.75	123.31	125.89	Other.....	92.86	92.12	92.08	91.83	91.21	90.93	90.20
Automotive vehicles, engines, and parts	112.92	117.01	122.83	114.90	116.56	116.51	114.67	Automotive vehicles, engines, and parts	102.74	103.25	103.28	103.64	103.86	103.87	104.14
Consumer goods, except automotive...	125.52	120.78	122.79	122.17	123.81	126.02	128.92	Consumer goods, except automotive...	100.46	99.89	99.96	100.05	100.16	100.30	100.48
Durable goods.....	128.91	122.91	125.50	122.79	120.15	124.52	128.72	Durable goods.....	100.88	100.54	100.49	100.58	100.59	100.89	100.94
Nondurable goods.....	121.99	118.56	119.96	121.55	127.69	127.61	129.16	Nondurable goods.....	99.99	99.19	99.99	99.47	99.68	99.65	99.97
Other.....	132.94	141.24	142.46	140.33	134.71	133.18	130.23	Other.....	97.34	97.27	97.87	98.22	99.20	99.68	99.80
Exports of services ¹	114.18	117.87	118.87	121.19	118.67	118.83	122.58	Exports of services ¹	102.94	103.27	103.97	104.18	105.43	105.19	106.92
Transfers under U.S. military agency								Transfers under U.S. military agency							
sales contracts.....	79.09	81.06	79.19	82.30	82.42	87.31	94.37	sales contracts.....	96.95	95.92	95.91	96.78	97.00	97.13	98.18
Travel.....	93.87	92.39	91.99	97.59	89.15	83.44	90.64	Travel.....	111.68	110.37	110.44	111.17	111.52	111.00	113.02
Passenger fares.....	83.16	78.81	77.54	82.70	69.96	68.83	75.93	Passenger fares.....	106.08	109.13	114.72	109.90	115.88	118.69	126.66
Other transportation.....	102.07	101.23	101.06	102.92	99.68	105.07	99.73	Other transportation.....	106.37	106.42	107.98	109.13	114.41	109.61	113.98
Royalties and license fees.....	109.54	116.55	118.41	114.44	118.36	118.45	118.84	Royalties and license fees.....	108.72	109.90	110.11	110.55	111.56	111.61	112.35
Other private services.....	164.44	175.07	178.52	179.02	182.16	186.01	190.22	Other private services.....	90.79	91.92	92.47	92.79	93.41	93.85	94.88
Other.....	96.08	105.76	108.19	111.54	112.15	112.97	114.27	Other.....	120.46	118.10	117.98	117.73	118.08	117.38	117.18
Imports of goods and services	154.91	160.66	162.56	165.48	162.84	166.30	166.33	Imports of goods and services	92.70	92.99	94.05	94.27	96.92	95.97	96.71
Imports of goods ¹	157.18	163.31	165.81	168.34	165.45	170.77	169.65	Imports of goods ¹	91.87	90.32	91.15	91.36	93.98	92.35	92.98
Foods, feeds, and beverages.....	144.74	152.98	154.14	155.91	160.64	162.69	161.41	Foods, feeds, and beverages.....	90.23	91.14	91.45	93.41	94.77	94.71	95.02
Industrial supplies and materials, except								Industrial supplies and materials, except							
petroleum and products.....	128.51	133.19	135.07	137.29	134.86	134.93	137.45	petroleum and products.....	102.44	96.15	96.83	98.32	105.10	103.65	103.80
Durable goods.....	128.33	135.00	136.08	140.98	137.38	132.49	131.95	Durable goods.....	98.78	95.12	95.75	95.41	95.55	95.57	98.62
Nondurable goods.....	128.38	131.04	133.72	133.32	131.96	136.24	141.48	Nondurable goods.....	106.41	97.45	98.16	101.58	115.48	112.53	109.86
Petroleum and products.....	122.65	119.13	117.54	124.05	119.96	133.95	131.70	Petroleum and products.....	116.10	118.84	129.50	130.69	156.22	134.34	142.50
Capital goods, except automotive.....	175.36	172.40	173.17	174.33	173.16	178.25	178.45	Capital goods, except automotive.....	74.51	72.30	72.32	71.72	71.68	71.64	71.67
Civilian aircraft, engines, and parts...	215.81	173.19	149.01	178.14	158.33	158.55	151.14	Civilian aircraft, engines, and parts...	114.68	116.99	117.68	117.77	118.35	119.28	121.00
Computers, peripherals, and parts...	224.98	247.65	245.89	250.78	249.47	259.71	267.19	Computers, peripherals, and parts...	53.47	49.55	49.48	48.32	47.73	47.09	46.18
Other.....	153.73	149.12	153.52	150.33	151.51	155.82	155.25	Other.....	81.43	79.78	79.79	79.52	79.79	80.07	80.59
Automotive vehicles, engines, and parts	144.79	155.17	159.66	157.72	154.16	159.24	155.30	Automotive vehicles, engines, and parts	101.66	101.96	102.02	102.31	102.25	102.41	102.37
Consumer goods, except automotive...	173.70	189.78	194.30	199.42	202.56	202.99	203.54	Consumer goods, except automotive...	95.17	94.21	94.22	94.09	93.96	94.03	94.02
Durable goods.....	176.62	196.43	199.89	202.58	201.48	203.89	206.54	Durable goods.....	91.93	90.43	90.37	90.04	89.83	89.77	89.74
Nondurable goods.....	170.62	182.85	188.44	196.02	203.44	201.89	200.32	Nondurable goods.....	98.80	98.46	98.56	98.66	98.63	98.84	98.85
Other.....	175.02	183.67	189.78	193.17	161.90	180.92	170.11	Other.....	100.11	99.20	99.31	99.82	101.09	101.34	101.68
Imports of services ¹	143.71	146.79	146.02	150.54	149.03	144.60	149.38	Imports of services ¹	97.03	108.47	110.92	111.16	114.03	117.11	118.57
Direct defense expenditures.....	158.92	189.18	187.00	188.87	194.93	198.88	198.35	Direct defense expenditures.....	86.72	90.13	94.07	95.75	102.21	106.13	105.49
Travel.....	132.22	128.88	124.92	132.40	121.67	107.28	120.31	Travel.....	94.63	99.01	102.27	103.40	107.76	113.26	112.64
Passenger fares.....	111.68	102.49	98.26	111.06	104.91	101.46	112.02	Passenger fares.....	126.91	132.82	140.45	132.27	132.48	135.98	141.96
Other transportation.....	122.45	127.89	128.09	131.76	133.70	130.80	124.08	Other transportation.....	115.69	111.74	112.64	114.71	119.10	125.19	131.21
Royalties and license fees.....	191.99	212.78	222.74	198.21	212.16	218.33	219.06	Royalties and license fees.....	108.70	109.89	110.09	110.53	111.54	111.59	112.33
Other private services.....	183.69	185.49	187.59	192.35	196.24	197.45	201.38	Other private services.....	78.26	110.91	112.37	112.37	113.19	113.36	113.94
Other.....	119.89	123.91	122.51	123.18	122.23	120.96	120.62	Other.....	104.05	105.41	106.87	107.56	110.26	112.74	114.24
Addenda:								Addenda:							
Exports of agricultural goods ²	114.66	111.95	107.00	108.88	111.86	110.89	114.06	Exports of agricultural goods ²	77.86	79.21	81.19	82.51	83.22	84.78	86.44
Exports of nonagricultural goods.....	128.37	123.62	127.02	122.72	123.07	122.62	124.77	Exports of nonagricultural goods.....	94.93	94.32	94.64	94.75	95.55	95.82	95.58
Imports of nonpetroleum goods.....	160.02	167.19	170.24	172.15	169.51	173.34	172.41	Imports of nonpetroleum goods.....	90.36	88.56	88.69	88.84	89.84	89.69	89.75

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes parts of foods, feeds, and beverages, of nondurable industrial supplies and materials, and of nondurable nonautomotive consumer goods.

Table 7.11. Chain-Type Quantity and Price Indexes for Government Consumption Expenditures and Gross Investment by Type

[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted					2001	2002	Seasonally adjusted				
			2002		2003					2002		2003		
			III	IV	I	II	III			III	IV	I	II	III
	Chain-type quantity indexes						Chain-type price indexes							
Government consumption expenditures and gross investment¹	115.36	120.46	120.65	122.02	122.14	124.66	125.06	113.27	115.18	115.47	115.92	118.15	118.04	118.35
Federal	107.33	115.37	115.71	118.79	118.99	125.94	126.37	109.09	113.11	113.44	113.53	116.23	116.48	116.78
National defense	102.51	112.04	112.74	115.74	114.76	126.10	126.10	109.27	111.86	112.12	112.46	114.98	115.21	115.53
Consumption expenditures	102.17	111.46	111.80	115.56	114.22	125.97	125.28	111.50	114.71	115.04	115.37	118.33	118.58	118.90
Durable goods ²	116.02	120.85	125.79	120.40	117.54	137.74	138.27	99.37	99.68	99.65	99.81	100.23	100.33	100.29
Nondurable goods	129.00	148.45	151.30	140.58	139.60	143.81	132.61	106.08	100.68	103.19	105.40	113.37	107.49	107.40
Services	100.50	109.80	109.77	114.49	113.24	124.63	124.13	112.61	116.41	116.67	116.95	119.94	120.41	120.77
Compensation of general government employees, except own-account investment ³	91.09	92.73	93.44	92.44	94.28	96.66	96.47	118.58	125.09	125.33	125.13	131.58	131.74	131.81
Consumption of general government fixed capital ⁴	99.03	99.35	99.42	99.70	100.13	100.58	101.08	101.84	102.63	102.60	103.25	103.35	103.50	103.78
Other services	118.09	148.01	146.55	165.10	156.80	193.24	191.41	111.79	114.20	114.66	115.25	116.24	117.15	117.78
Gross investment	104.87	115.94	119.04	116.96	118.42	126.97	131.65	96.77	96.01	95.95	96.31	96.48	96.55	96.93
Structures	68.01	65.07	66.30	64.31	66.62	71.17	70.59	118.80	121.72	121.89	122.47	123.96	124.17	124.48
Equipment and software	110.58	124.05	127.46	125.39	126.68	135.87	141.47	94.40	93.34	93.27	93.61	93.68	93.73	94.12
Nondefense	117.10	122.18	121.83	125.07	127.62	125.87	127.15	111.64	115.46	115.89	115.53	118.54	118.85	119.08
Consumption expenditures	112.76	117.42	117.48	120.74	123.94	120.55	123.12	114.18	119.12	119.70	119.25	123.05	123.43	123.69
Durable goods ²														
Nondurable goods														
Commodity Credit Corporation inventory change														
Other nondurables	111.07	132.68	129.39	138.43	122.80	140.40	157.15	108.99	110.76	113.42	111.69	116.29	113.28	114.94
Services	111.72	116.17	116.35	119.54	123.46	119.34	121.18	114.75	119.92	120.42	120.05	123.84	124.43	124.63
Compensation of general government employees, except own-account investment ³	103.40	105.63	105.28	109.52	109.58	109.40	109.16	120.51	129.23	130.11	129.14	136.01	136.79	136.96
Consumption of general government fixed capital ⁴	155.81	167.02	168.46	171.61	175.06	178.56	182.18	102.45	102.48	102.34	102.46	102.52	102.59	102.76
Other services	109.87	116.07	116.86	117.80	130.10	114.47	120.15	110.27	112.56	112.79	113.14	114.08	114.66	114.93
Gross investment	137.77	144.80	142.28	145.28	144.26	151.60	145.74	101.39	101.15	101.04	101.00	101.02	101.07	101.21
Structures	80.33	93.17	84.94	94.81	89.36	92.00	101.25	116.73	118.72	118.91	119.60	120.84	121.65	122.37
Equipment and software	172.20	175.17	176.60	174.79	176.88	187.21	170.95	95.58	94.74	94.54	94.30	93.97	93.81	93.79
State and local	120.11	123.51	123.62	123.99	124.06	124.00	124.40	115.01	116.33	116.60	117.24	119.21	118.88	119.19
Consumption expenditures	117.93	121.28	121.54	121.99	122.21	122.24	122.29	115.99	117.40	117.72	118.49	120.70	120.25	120.61
Durable goods ²	139.80	147.53	148.34	149.97	151.62	153.30	154.99	100.11	100.58	100.55	100.54	100.66	100.76	100.84
Nondurable goods	136.09	141.40	141.89	142.89	143.89	144.90	145.92	109.20	107.15	108.10	110.62	121.47	113.71	115.03
Services	115.40	118.45	118.68	119.04	119.15	119.02	118.93	117.18	119.12	119.36	119.88	120.83	121.49	121.71
Compensation of general government employees, except own-account investment ³	108.72	110.96	111.13	111.40	111.40	111.09	110.88	118.80	121.95	122.33	123.16	123.94	124.80	125.39
Consumption of general government fixed capital ⁴	129.92	135.67	136.31	137.31	138.32	139.20	139.95	107.64	107.98	107.99	107.94	108.59	108.59	108.68
Other services	231.02	246.72	247.35	247.89	248.47	250.39	250.91	114.44	105.86	104.98	103.16	106.42	106.00	102.58
Gross investment	129.86	133.43	132.83	132.90	132.20	131.77	133.77	111.00	111.95	112.02	112.17	113.13	113.26	113.41
Structures	121.33	126.48	125.67	126.16	125.53	124.90	127.20	119.49	121.51	121.74	122.04	123.48	123.87	124.12
Equipment and software	159.28	156.24	156.51	154.83	153.91	154.32	154.94	88.96	87.43	87.14	86.93	86.68	86.20	86.11
Addenda:														
Compensation of general government employees ⁵	105.41	107.58	107.79	108.26	108.61	108.80	108.63	118.94	123.15	123.56	124.05	126.31	127.05	127.52
Federal	95.56	97.47	97.80	98.75	99.94	101.37	101.16	119.30	126.69	127.19	126.68	133.29	133.70	133.81
State and local ⁵	109.21	111.47	111.63	111.92	111.91	111.61	111.44	118.80	121.96	122.34	123.16	123.94	124.80	125.39

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software. The compensation of all

general government employees is shown in the addenda.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

5. Beginning with 2001, in accordance with the Consolidated Appropriations Act of 2001, includes compensation of employees of Indian tribal governments reclassified from the private sector.

Table 7.14. Chain-Type Quantity and Price Indexes for Gross Domestic Product by Sector
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002		2003		
			III	IV	I	II	III
Chain-type quantity indexes							
Gross domestic product	117.94	120.82	121.41	121.82	122.26	123.25	125.39
Business ¹	119.56	122.53	123.17	123.55	123.97	125.10	127.68
Nonfarm ²	119.51	122.49	123.16	123.52	123.93	125.11	127.69
Nonfarm less housing	120.48	123.84	124.60	125.16	125.61	127.11	129.88
Housing	110.86	110.72	110.72	109.39	109.49	108.06	109.16
Farm	124.00	124.46	122.49	125.29	126.02	122.61	124.47
Households and institutions	114.39	116.95	117.35	118.14	118.78	119.14	119.63
Private households	84.25	73.59	73.92	74.82	75.75	76.72	77.57
Nonprofit institutions	115.49	118.53	118.93	119.71	120.34	120.68	121.16
General government ³	107.69	110.15	110.41	110.95	111.39	111.71	111.69
Federal	99.77	101.90	102.24	103.18	104.36	105.72	105.84
State and local	111.40	114.01	114.22	114.57	114.67	114.48	114.40
Chain-type price indexes							
Gross domestic product	109.42	110.66	110.76	111.25	111.90	112.18	112.67
Business	108.23	109.04	109.08	109.53	109.98	110.23	110.71
Nonfarm	108.78	109.63	109.68	110.10	110.51	110.72	111.15
Nonfarm less housing	107.97	108.40	108.41	108.79	109.15	109.36	109.77
Housing	116.62	121.85	122.13	123.02	123.82	124.12	124.73
Farm	70.50	68.00	67.77	69.86	73.27	76.04	80.53
Households and institutions	115.28	119.24	119.93	121.42	122.89	123.01	123.71
Private households	117.43	121.68	122.18	122.75	123.45	124.30	125.11
Nonprofit institutions	115.20	119.16	119.85	121.36	122.85	122.95	123.65
General government ³	116.48	120.00	120.33	120.77	122.68	123.30	123.71
Federal	114.23	119.51	119.83	119.63	124.23	124.55	124.70
State and local	117.47	120.26	120.59	121.31	122.07	122.81	123.34

1. Equals gross domestic product less gross product of households and institutions and of general government.
 2. Equals gross domestic business product less gross farm product.
 3. Equals compensation of general government employees plus general government consumption of fixed capital.

Table 7.15. Price, Costs, and Profit Per Unit of Real Gross Product of Nonfinancial Corporate Business
[Dollars]

Price per unit of real gross product of nonfinancial corporate business ¹	1.041	1.036	1.035	1.037	1.039	1.037	.....
Compensation of employees (unit labor cost)	.695	.680	.679	.678	.678	.671	.....
Unit nonlabor cost	.267	.270	.271	.271	.269	.265	.....
Consumption of fixed capital	.127	.129	.130	.130	.129	.127	.....
Indirect business tax and nontax liability plus business transfer payments less subsidies..	.102	.104	.104	.104	.104	.102	.....
Net interest	.038	.037	.037	.037	.036	.036	.....
Corporate profits with inventory valuation and capital consumption adjustments (unit profits from current production)	.079	.086	.084	.089	.090	.102	.....
Profits tax liability	.024	.025	.025	.027	.028	.028	.....
Profits after tax with inventory valuation and capital consumption adjustments	.055	.062	.059	.062	.062	.074	.....

1. The implicit price deflator for gross product of nonfinancial corporate business divided by 100.
 NOTE: Effective November 26, 2002, the estimates beginning with 1999 have been revised to reflect the 2002 annual revision to the industry-based price index for the gross product of nonfinancial corporate business.

Table 7.16B. Implicit Price Deflators for Private Inventories by Industry
[Index numbers, 1996=100]

	Seasonally adjusted				
	2002		2003		
	III	IV	I	II	III
Private inventories ¹	99.28	99.94	101.63	101.35	101.98
Farm	93.35	99.54	101.13	103.24	109.40
Construction, mining, and utilities	104.34	110.78	123.80	121.84	120.55
Manufacturing	100.10	100.20	101.88	101.68	101.81
Durable goods industries	98.65	98.46	99.04	99.22	99.27
Nondurable goods industries	102.52	103.07	106.47	105.72	105.95
Wholesale trade	96.80	96.67	98.22	97.54	98.24
Durable goods industries	91.68	91.69	92.11	91.91	92.21
Nondurable goods industries	105.46	105.11	108.41	106.98	108.32
Retail trade	102.08	102.10	102.86	102.43	102.37
Motor vehicle dealers	98.17	97.33	98.17	97.30	96.14
Food and beverage stores	109.59	110.19	111.12	111.69	112.95
General merchandise stores	102.67	103.13	103.32	103.50	103.65
Other retail stores	103.44	103.84	104.71	104.22	104.71
Other industries	99.86	100.19	102.02	101.49	101.69
Addenda:					
Private inventories	99.28	99.94	101.63	101.35	101.98
Durable goods industries	96.58	96.34	96.87	96.76	96.69
Nondurable goods industries	102.12	103.61	106.39	105.96	107.24
Nonfarm industries	99.81	100.03	101.74	101.27	101.46
Wholesale trade	96.80	96.67	98.22	97.54	98.24
Merchant wholesale trade	96.23	96.08	97.17	96.85	97.50
Durable goods industries	91.51	91.53	91.94	91.73	92.04
Nondurable goods industries	104.27	103.88	106.01	105.51	106.69
Nonmerchant wholesale trade	100.30	100.26	104.67	101.73	102.80

1. Implicit price deflators are as of the end of the quarter and are consistent with the inventory stocks shown in tables 5.12B and 5.13B.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 7.17. Chain-Type Quantity indexes for Gross Domestic Product by Major Type of Product
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002		2003		
			III	IV	I	II	III
Gross domestic product..	117.94	120.82	121.41	121.82	122.26	123.25	125.39
Final sales of domestic product	118.95	121.09	121.51	121.84	122.52	123.74	126.10
Change in private inventories							
Goods	121.64	125.71	127.23	126.73	127.43	128.22	132.80
Final sales	124.71	126.57	127.62	126.86	128.31	129.78	135.02
Change in private inventories							
Durable goods	129.90	134.92	138.60	137.15	136.17	138.85	145.94
Final sales	136.94	136.59	140.00	136.89	136.97	141.88	150.55
Change in private inventories							
Nondurable goods	114.62	117.99	117.98	118.15	120.01	119.48	122.32
Final sales	114.86	118.28	117.67	118.55	120.92	120.04	122.91
Change in private inventories							
Services	115.16	118.35	118.74	119.65	119.83	120.90	121.43
Structures	118.80	115.51	113.88	114.60	115.62	116.84	120.13
Addenda:							
Motor vehicle output	114.63	129.33	136.32	131.50	130.90	129.79	141.83
Gross domestic product less motor vehicle output	118.03	120.53	120.91	121.50	121.96	123.02	124.86

Table 7.18B. Chain-Type Quantity Indexes for Motor Vehicle Output
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002		2003		
			III	IV	I	II	III
Motor vehicle output..	114.63	129.33	136.32	131.50	130.90	129.79	141.83
Auto output	89.86	93.97	97.86	90.01	83.13	83.22	97.38
Truck output ¹	135.17	158.50	168.04	165.62	170.00	167.94	178.54
Final sales of domestic product.....	119.40	122.56	131.99	124.74	120.02	125.65	144.03
Personal consumption expenditures	143.85	152.48	164.00	152.39	148.50	160.35	175.56
New motor vehicles	152.65	164.29	179.76	161.70	160.30	179.02	197.84
Autos	131.93	130.12	138.70	122.19	126.84	129.91	138.48
Light trucks	177.01	204.40	227.97	208.09	199.61	236.64	267.47
Net purchases of used autos	117.43	117.37	117.26	124.68	113.40	105.08	109.56
Private fixed investment	106.83	103.02	106.73	108.75	97.22	98.23	105.25
New motor vehicles	106.87	104.24	107.74	110.57	98.47	96.59	103.19
Autos	95.08	92.02	95.56	96.97	87.42	79.88	83.95
Trucks	118.27	116.04	119.50	123.67	109.15	112.51	121.48
Light trucks	137.74	135.69	136.71	147.17	132.33	134.22	142.55
Other	82.30	79.69	87.11	80.78	67.26	72.90	82.56
Net purchases of used autos	106.65	108.39	111.10	116.85	102.65	90.12	95.14
Gross government investment	126.36	122.90	115.74	132.75	129.05	110.25	136.51
Autos	97.37	97.51	87.91	108.40	100.75	87.17	78.13
New trucks	142.63	137.12	131.45	146.29	144.89	123.16	170.00
Net exports	92.55	104.06	109.72	110.21	110.20	116.45	107.58
Exports	101.19	115.49	121.85	119.06	119.00	124.86	114.05
Autos	77.15	83.66	88.05	94.36	94.45	101.40	95.98
Trucks	153.19	161.37	164.33	165.64	154.66	165.45	152.60
Imports	157.44	167.33	171.52	171.41	161.05	172.15	154.28
Autos	132.92	132.99	130.20	138.17	124.32	133.58	144.17
Trucks							
Change in private inventories							
Autos							
New							
Domestic							
Foreign							
Used							
New trucks							
Domestic							
Foreign							
Addenda:							
Final sales of motor vehicles to domestic purchasers	129.80	133.53	141.60	135.90	129.20	136.07	148.65
Private fixed investment in new autos and new light trucks	112.41	109.78	112.31	117.36	105.66	101.93	107.73
Domestic output of new autos ²	92.85	98.82	104.43	93.11	90.09	93.91	97.15
Sales of imported new autos ³	152.80	157.39	166.84	157.56	153.19	150.03	158.59

1. Except for exports and imports, consists of new trucks only.
2. Consists of final sales and change in private inventories of new autos assembled in the United States.
3. Consists of personal consumption expenditures, private fixed investment, and gross government investment.

Table 8.2. Contributions to Percent Change in Real Gross Domestic Product

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Percent change at annual rate:							
Gross domestic product.....	.3	2.4	4.0	1.4	1.4	3.3	7.2
Percentage points at annual rates:							
Personal consumption expenditures	1.67	2.15	2.93	1.19	1.40	2.68	4.66
Durable goods.....	.48	.59	1.74	-.72	-.17	1.79	2.05
Motor vehicles and parts.....	.24	.20	1.46	-.93	-.29	1.03	1.24
Furniture and household equipment.....	.19	.30	.18	.17	.01	.49	.57
Other.....	.06	.10	.11	.04	.12	.27	.23
Nondurable goods.....	.39	.64	.22	1.01	1.21	.28	1.61
Food.....	.09	.17	-.05	.56	.83	.07	.71
Clothing and shoes.....	.08	.17	.01	.22	.08	.18	.30
Gasoline, fuel oil, and other energy goods.....	.02	.07	.05	.06	.01	-.11	.13
Other.....	.21	.23	.22	.17	.30	.14	.47
Services.....	.80	.92	.97	.90	.36	.60	1.00
Housing.....	.17	.17	.18	.17	.19	.18	.27
Household operation.....	.05	.02	.07	.21	-.05	-.18	.21
Electricity and gas.....	-.03	.02	.09	.30	-.09	-.29	.14
Other household operation.....	.08	.00	-.01	-.09	.04	.10	.08
Transportation.....	-.02	-.01	-.02	.01	.00	-.09	-.01
Medical care.....	.43	.46	.45	.34	.45	.48	.53
Recreation.....	.08	.05	.00	.14	-.07	.10	.03
Other.....	.09	.23	.29	.02	-.16	.11	-.03
Gross private domestic investment	-1.90	.15	.55	.93	-.83	.30	1.37
Fixed investment	-.65	-.50	-.03	.65	-.02	1.05	2.04
Nonresidential.....	-.66	-.68	-.08	.24	-.47	.74	1.12
Structures.....	-.05	-.52	-.62	-.25	-.07	.10	-.05
Equipment and software.....	-.61	-.15	.53	.49	-.40	.64	1.18
Information processing equipment and software.....	-.26	.10	.50	.12	.39	.68	.68
Computers and peripheral equipment.....	-.02	.12	.26	.05	.15	.32	.30
Software.....	-.02	.03	.20	.03	.08	.15	.17
Other.....	-.22	-.05	.04	.04	.16	.21	.21
Industrial equipment.....	-.07	-.07	.09	-.08	-.08	-.01	.05
Transportation equipment.....	-.23	-.17	-.06	.37	-.60	-.08	.10
Other.....	-.04	-.01	.01	.08	-.11	.05	.34
Residential.....	.01	.18	.05	.41	.45	.31	.92
Change in private inventories	-1.24	.65	.58	.28	-.82	-.74	-.67
Farm.....	.04	-.01	-.10	.05	.07	-.05	.03
Nonfarm.....	-1.28	.66	.68	.24	-.88	-.69	-.70
Net exports of goods and services	-.18	-.67	-.01	-1.59	.78	-1.29	.84
Exports	-.59	-.17	.45	-.59	-.13	-.09	.88
Goods.....	-.47	-.26	.28	-.82	.13	-.10	.50
Services.....	-.13	.09	.17	.23	-.25	.02	.38
Imports.....	.42	-.50	-.47	-1.00	.91	-1.21	-.04
Goods.....	.40	-.43	-.40	-.71	.81	-1.50	.29
Services.....	.01	-.07	-.07	-.30	.10	.30	-.33
Government consumption expenditures and gross investment.....	.65	.81	.56	.85	.08	1.59	.27
Federal.....	.29	.47	.29	.70	.05	1.61	.11
National defense.....	.19	.37	.29	.46	-.15	1.74	.01
Consumption expenditures.....	.16	.31	.19	.50	-.18	1.57	-.08
Gross investment.....	.02	.06	.11	-.04	.03	.17	.09
Nondefense.....	.10	.10	-.01	.25	.20	-.13	.10
Consumption expenditures.....	.08	.08	.07	.21	.21	-.22	.17
Gross investment.....	.01	.02	-.07	.04	-.01	.09	-.07
State and local.....	.36	.34	.27	.15	.03	-.02	.16
Consumption expenditures.....	.30	.28	.17	.14	.08	.01	.02
Gross investment.....	.07	.06	.10	.00	-.05	-.03	.14
Addenda:							
Goods.....	-.85	1.19	3.10	-.55	.78	.87	5.03
Services.....	1.11	1.52	1.43	1.71	.33	2.03	1.11
Structures.....	-.01	-.26	-.50	.22	.32	.38	1.03
Motor vehicle output.....	-.21	.39	1.06	-.49	-.06	-.11	1.17
Final sales of computers ².....	.08	.08	.39	.17	.18	.18	.50

Table 8.3. Contributions to Percent Change in Real Personal Consumption Expenditures by Major Type of Product

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Percent change at annual rate:							
Personal consumption expenditures	2.5	3.1	4.2	1.7	2.0	3.8	6.6
Percentage points at annual rates:							
Durable goods.....	.71	.86	2.49	-1.03	-.24	2.55	2.91
Motor vehicles and parts.....	.35	.29	2.09	-1.32	-.41	1.46	1.76
Furniture and household equipment.....	.28	.43	.25	.24	.01	.70	.81
Other.....	.08	.14	.15	.06	.17	.39	.33
Nondurable goods.....	.58	.93	.32	1.45	1.73	.41	2.28
Food.....	.13	.25	-.08	.80	1.18	.11	1.00
Clothing and shoes.....	.12	.25	.01	.32	.11	.25	.42
Gasoline, fuel oil, and other energy goods.....	.03	.10	.07	.09	.02	-.16	.19
Gasoline and oil.....	.05	.10	.05	-.01	.07	-.07	.13
Fuel oil and coal.....	-.03	.00	.02	.10	-.05	-.09	.06
Other.....	.30	.33	.31	.25	.42	.21	.67
Services	1.17	1.33	1.38	1.29	.51	.87	1.40
Housing.....	.25	.24	.25	.25	.27	.26	.38
Household operation.....	.07	.03	.11	.30	-.08	-.26	.30
Electricity and gas.....	-.04	.02	.12	.42	-.13	-.41	.19
Other household operation.....	.12	.00	-.02	-.12	.05	.15	.11
Transportation.....	-.03	-.01	-.03	.02	.00	-.13	-.02
Medical care.....	.64	.66	.64	.49	.65	.68	.74
Recreation.....	.11	.07	.00	.21	-.10	.14	.04
Other.....	.13	.34	.41	.03	-.23	.17	-.04
Addenda:							
Energy goods and services ¹	-.01	.12	.19	.51	-.11	-.56	.38
Personal consumption expenditures less food and energy.....	2.35	2.75	4.07	.41	.93	4.29	5.20

1. Consists of gasoline, fuel oil, and other energy goods, and of electricity and gas.
 NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.4. The estimates in this table differ from those in table 8.2 because this table shows contributions to real personal consumption expenditures, whereas table 8.2 shows contributions to real gross domestic product.

1. Excludes software "embedded," or bundled, in computers and other equipment.
 2. For some components of final sales of computers, includes computer parts.
 NOTE: The quantity indexes on which the estimates in this table are based are shown in tables 7.1, 7.2, 7.4, 7.6, 7.9, 7.11, and 7.17.

Table 8.4. Contributions to Percent Change in Real Private Fixed Investment by Type

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Percent change at annual rate:							
Private fixed investment.....	-3.8	-3.1	-3	4.4	-1	7.1	14.0
Percentage points at annual rates:							
Nonresidential	-3.88	-4.18	-5.8	1.63	-3.10	5.01	7.76
Structures.....	-3.31	-3.23	-4.05	-1.68	-4.6	.69	-2.7
Nonresidential buildings, including farm.....	-.95	-2.46	-2.81	-.40	-.42	.25	.50
Utilities.....	-.01	-.20	-.78	-.29	-.40	-.75	-1.19
Mining exploration, shafts, and wells.....	.48	-.31	-.09	-.89	-.47	1.10	.31
Other structures.....	.16	-.26	-.38	-.10	-.12	.08	.10
Equipment and software	-3.57	-.94	3.47	3.31	-2.64	4.32	8.03
Information processing equipment and software.....	-1.54	.61	3.26	.82	2.56	4.55	4.63
Computers and peripheral equipment ¹	-.13	.71	1.73	.36	.96	2.11	2.02
Software ²	-.13	.22	1.28	.22	.56	1.04	1.16
Other.....	-1.27	-.32	.25	.24	1.04	1.40	1.45
Industrial equipment.....	-.43	-.43	.60	-.53	-.52	-.05	.40
Transportation equipment.....	-1.37	-1.03	-.43	2.47	-3.96	-5.0	.71
Other.....	-.23	-.09	.04	.55	-.72	.32	2.29
Residential.....	.07	1.10	.32	2.73	2.96	2.08	6.22
Structures.....	.07	1.08	.32	2.71	2.93	1.97	6.13
Single family.....	.11	.60	.41	2.13	2.57	.48	2.83
Multifamily.....	.11	.14	-.19	-.37	.62	-.06	.29
Other structures.....	-.15	.34	.09	.94	-.26	1.56	3.01
Equipment.....	.00	.02	.00	.02	.03	.11	.09

1. Includes new computers and peripheral equipment only.

2. Excludes software "embedded," or bundled, in computers and other equipment.

NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.6. The estimates in this table differ from those in table 8.2 because this table shows contributions to real private fixed investment, whereas table 8.2 shows contributions to real gross domestic product.

Table 8.5. Contributions to Percent Change in Real Exports and in Real Imports of Goods and Services by Type of Product

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Percent change at annual rate:							
Exports of goods and services..	-5.4	-1.6	4.6	-5.8	-1.3	-1.0	9.3
Percentage points at annual rates:							
Exports of goods ¹	-4.23	-2.55	2.86	-8.25	1.29	-1.11	5.29
Foods, feeds, and beverages.....	.13	-.10	-.61	.08	.66	-.64	.10
Industrial supplies and materials except petroleum and products.....	-.58	.05	-.99	.34	1.16	-.58	.77
Capital goods, except automotive Automotive vehicles, engines, and parts.....	-3.21	-2.71	3.21	-6.21	-.69	-.29	4.44
Consumer goods, except automotive.....	-.47	.27	.74	-2.04	.43	-.01	-.46
Other.....	-.07	-.32	.59	-.15	.45	.60	.82
Other.....	-.03	.26	-.07	-.26	-.72	-.20	-.37
Exports of services ¹	-1.14	.95	1.77	2.42	-2.62	.16	4.04
Percent change at annual rate:							
Imports of goods and services..	-2.9	3.7	3.3	7.4	-6.2	8.8	.1
Percentage points at annual rates:							
Imports of goods ¹	-2.78	3.19	2.81	5.23	-5.55	10.82	-2.19
Foods, feeds, and beverages.....	.14	.19	.12	.17	.42	.19	-.11
Industrial supplies and materials, except petroleum and products.....	-.45	.39	1.06	.76	-.79	.05	.85
Petroleum and products.....	.27	-.16	-1.07	1.69	-1.11	3.93	-.59
Capital goods, except automotive Automotive vehicles, engines, and parts.....	-2.73	-.38	-.63	.56	-.47	2.25	.08
Consumer goods, except automotive.....	-.41	.98	.57	-.67	-1.21	1.81	-1.35
Other.....	.33	1.89	2.07	2.30	1.37	.24	.23
Other.....	.07	.28	.69	.43	-3.76	2.34	-1.30
Imports of services ¹	-.08	.52	.52	2.14	-.67	-2.05	2.26

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment were reclassified from goods to services.

NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.10. The estimates in this table differ from those in table 8.2 because this table shows contributions to real exports and to real imports, whereas table 8.2 shows contributions to real gross domestic product. Because imports are subtracted in the calculation of gross domestic product, the contributions of components of real imports have opposite signs in this table and in table 8.2.

Table 8.6. Contributions to Percent Change in Real Government Consumption Expenditures and Gross Investment by Type

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Percent change at annual rate:							
Government consumption expenditures and gross investment ¹	3.7	4.4	2.9	4.6	.4	8.5	1.3
Percentage points at annual rates:							
Federal	1.61	2.54	1.50	3.76	.25	8.48	.51
National defense	1.06	2.01	1.53	2.44	-.78	9.15	.00
Consumption expenditures.....	.92	1.70	.98	2.65	-.93	8.26	-.47
Durable goods ².....	.09	.05	.29	-.23	-.12	.83	.02
Nondurable goods.....	.03	.08	-.01	-.17	-.02	.07	-.18
Services.....	.80	1.56	.70	3.05	-.80	7.36	-.32
Compensation of general government employees, except own-account investment ³.....	.05	.14	.14	-.33	.62	.83	-.06
Consumption of general government fixed capital ⁴	-.01	.01	.03	.04	.06	.07	.06
Other services.....	.76	1.40	.53	3.34	-1.47	6.46	-.32
Gross investment.....	.14	.31	.56	-.22	.15	.89	.47
Structures.....	-.01	-.01	.00	-.03	.04	.07	-.01
Equipment and software.....	.14	.32	.56	-.18	.11	.81	.48
Nondefense.....	.55	.54	-.04	1.33	1.03	-.67	.51
Consumption expenditures.....	.47	.42	.35	1.13	1.09	-1.14	.87
Durable goods ².....	.01	.01	.01	.03	.00	-.06	.03
Nondurable goods.....	.13	.03	-.17	.04	-.19	.25	.25
Services.....	.34	.38	.51	1.06	1.27	-1.33	.60
Compensation of general government employees, except own-account investment ³	-.03	.12	.31	.85	.01	-.02	-.05
Consumption of general government fixed capital ⁴.....	.11	.11	.11	.12	.13	.13	.13
Other services.....	.26	.15	.09	.09	1.14	-1.43	.51
Gross investment.....	.08	.12	-.39	.20	-.06	.46	-.36
Structures.....	-.04	.09	-.19	.26	-.14	.07	-.24
Equipment and software.....	.11	.03	-.20	-.07	.08	.39	-.60
State and local	2.05	1.87	1.42	.85	.13	.04	.80
Consumption expenditures.....	1.66	1.52	.89	.81	.39	.17	.09
Durable goods ².....	.06	.05	.04	.04	.04	.05	.04
Nondurable goods.....	.36	.24	.17	.18	.18	.20	.18
Services.....	1.24	1.22	.67	.59	.16	-.08	-.13
Compensation of general government employees, except own-account investment ³.....	.79	.78	.46	.40	-.01	-.31	-.26
Consumption of general government fixed capital ⁴.....	.24	.23	.17	.15	.15	.14	.11
Other services.....	.21	.21	.04	.03	.03	.10	.02
Gross investment.....	.39	.35	.53	.04	-.25	-.13	.71
Structures.....	.23	.41	.52	.15	-.19	-.16	.67
Equipment and software.....	.16	-.06	.02	-.12	-.07	.03	.04

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.11. The estimates in this table differ from those in table 8.2 because this table shows contributions to real government consumption expenditures and gross investment, whereas table 8.2 shows contributions to real gross domestic product.

Table 8.7. Selected Per Capita Product and Income Series in Current and Chained Dollars

[Dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Current dollars:							
Gross domestic product.....	35,398	36,340	36,509	36,706	36,970	37,272	37,978
Gross national product.....	35,475	36,307	36,471	36,674	36,935	37,260	37,978
Personal income.....	30,494	31,039	31,132	31,242	31,407	31,591	31,815
Disposable personal income.....	25,957	27,170	27,313	27,463	27,694	27,855	28,434
Personal consumption expenditures.....	24,531	25,408	25,579	25,740	25,985	26,217	26,721
Durable goods.....	2,935	3,033	3,120	3,029	2,979	3,107	3,258
Nondurable goods.....	7,167	7,358	7,356	7,453	7,633	7,602	7,795
Services.....	14,430	15,017	15,102	15,258	15,373	15,508	15,667
Chained (1996) dollars:							
Gross domestic product.....	32,352	32,839	32,962	32,995	33,039	33,224	33,707
Gross national product.....	32,432	32,817	32,936	32,974	33,014	33,219	33,707
Personal income.....	23,692	24,463	24,527	24,551	24,591	24,685	25,049
Disposable personal income.....	22,390	22,877	22,969	23,010	23,074	23,234	23,540
Personal consumption expenditures.....	3,272	3,478	3,588	3,503	3,477	3,662	3,876
Durable goods.....	6,565	6,712	6,692	6,760	6,845	6,851	6,963
Nondurable goods.....	12,622	12,787	12,812	12,850	12,849	12,863	12,897
Services.....	284,822	287,456	287,770	288,475	289,109	289,834	290,653

Table 8.8B. Motor Vehicle Output

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Motor vehicle output.....	312.0	344.2	360.7	349.7	347.4	340.9	370.8
Auto output.....	109.6	111.6	115.8	106.0	96.0	95.1	109.7
Truck output ¹	202.4	232.7	244.9	243.7	251.4	245.8	261.1
Final sales of domestic product.....	329.3	330.8	353.8	336.6	321.9	333.2	380.4
Personal consumption expenditures.....	288.4	299.7	321.8	298.7	289.2	310.8	337.7
New motor vehicles.....	227.8	241.0	262.9	237.4	233.1	258.9	285.7
Autos.....	105.9	103.2	109.6	96.9	99.4	101.2	107.6
Light trucks.....	121.8	137.8	153.3	140.5	133.7	157.7	178.1
Net purchases of used autos.....	60.6	58.6	59.0	61.4	56.1	51.9	52.0
Private fixed investment.....	127.7	122.5	125.0	130.2	116.3	115.5	124.7
New motor vehicles.....	164.2	158.0	161.5	167.7	149.3	144.4	154.0
Autos.....	70.6	67.4	69.8	71.1	63.3	57.5	60.3
Trucks.....	93.6	90.5	91.8	96.7	86.0	86.8	93.7
Light trucks.....	70.2	67.1	66.0	72.6	65.8	65.0	68.9
Other.....	23.4	23.5	25.7	24.1	20.2	21.9	24.7
Net purchases of used autos.....	-36.5	-35.5	-36.6	-37.5	-33.0	-28.9	-29.3
Gross government investment.....	13.7	13.3	12.4	14.3	13.9	11.7	14.6
Autos.....	3.8	3.9	3.6	4.3	4.0	3.4	3.1
New trucks.....	9.9	9.4	8.9	10.0	10.0	8.3	11.5
Net exports.....	-100.5	-104.6	-105.4	-106.7	-97.5	-104.8	-96.5
Exports.....	25.4	28.9	30.5	30.9	30.9	32.8	30.3
Autos.....	17.8	20.5	21.6	21.4	21.4	22.5	20.5
Trucks.....	7.6	8.4	8.8	9.5	9.6	10.3	9.8
Imports.....	125.9	133.5	135.9	137.5	128.4	137.6	126.9
Autos.....	106.7	114.1	116.9	117.4	110.2	117.9	105.6
Trucks.....	19.2	19.4	19.0	20.2	18.2	19.7	21.2
Change in private inventories.....	-17.3	13.4	6.9	13.1	25.4	7.7	-9.7
Autos.....	-6.1	7.4	5.7	5.9	-5.0	5.4	1.1
New.....	-6.7	7.0	4.4	5.9	-5.6	4.4	1.1
Domestic.....	-7.4	5.7	7.9	-9	-3.9	2.8	3.9
Foreign.....	.7	1.2	-3.4	6.8	-1.7	1.6	-2.8
Used.....	.6	.5	1.3	.0	.7	.9	.0
New trucks.....	-11.3	6.0	1.2	7.2	30.4	2.3	-10.7
Domestic.....	-10.7	4.3	2.2	1.0	28.1	1.2	-4.8
Foreign.....	-5	1.7	-1.0	6.2	2.3	1.1	-5.9
Addenda:							
Final sales of motor vehicles to domestic purchasers.....	429.8	435.5	459.2	443.3	419.4	438.0	476.9
Private fixed investment in new autos and new light trucks.....	140.8	134.5	135.8	143.6	129.1	122.5	129.2
Domestic output of new autos ²	107.3	113.2	119.3	106.5	101.7	105.6	109.1
Sales of imported new autos ³	82.9	84.4	89.1	84.5	81.2	79.0	83.3

1. Except for exports and imports, consists of new trucks only.
 2. Consists of final sales and change in private inventories of new autos assembled in the United States.
 3. Consists of personal consumption expenditures, private fixed investment, and gross government investment.

Table 8.9B. Real Motor Vehicle Output

[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002		2003		
			III	IV	I	II	III
Motor vehicle output.....	315.9	356.5	375.7	362.4	360.8	357.7	390.9
Auto output.....	113.4	118.5	123.4	113.5	104.9	105.0	122.8
Truck output ¹	202.0	236.9	251.2	247.5	254.1	251.0	266.8
Final sales of domestic product.....	333.9	342.7	369.1	348.8	335.6	351.4	402.8
Personal consumption expenditures.....	290.0	307.4	330.6	307.2	299.3	323.2	353.9
New motor vehicles.....	229.2	246.7	269.9	242.8	240.7	268.8	297.0
Autos.....	108.0	106.5	113.6	100.0	103.8	106.4	113.4
Light trucks.....	120.9	139.6	155.6	142.1	136.3	161.6	182.6
Net purchases of used autos.....	60.4	60.4	60.3	64.1	58.3	54.0	56.4
Private fixed investment.....	129.1	124.4	128.9	131.4	117.4	118.7	127.1
New motor vehicles.....	165.8	161.8	164.2	171.6	152.8	149.9	160.1
Autos.....	71.9	69.6	72.3	73.4	66.1	60.4	63.5
Trucks.....	94.0	92.3	95.0	98.3	86.8	89.5	96.6
Light trucks.....	72.0	71.0	71.5	77.0	69.2	70.2	74.5
Other.....	22.4	21.7	23.7	22.0	18.3	19.8	22.5
Net purchases of used autos.....	-36.7	-37.3	-38.2	-40.2	-35.3	-31.0	-32.7
Gross government investment.....	13.7	13.3	12.5	14.4	14.0	11.9	14.8
Autos.....	3.7	3.7	3.4	4.2	3.9	3.3	3.0
New trucks.....	10.0	9.6	9.2	10.2	10.1	8.6	11.9
Net exports.....	-97.8	-101.3	-102.2	-103.1	-94.4	-101.3	-93.4
Exports.....	24.0	27.0	28.5	28.6	28.6	30.2	27.9
Autos.....	17.2	19.6	20.7	20.2	20.2	21.2	19.3
Trucks.....	7.0	7.5	7.9	8.5	8.5	9.1	8.6
Imports.....	121.8	128.4	130.7	131.7	123.0	131.6	121.4
Autos.....	103.7	110.2	113.0	112.9	106.1	113.4	101.6
Trucks.....	18.2	18.2	17.8	18.9	17.0	18.3	19.7
Change in private inventories.....	-15.9	12.1	6.3	11.7	22.7	6.8	-8.5
Autos.....	-6.2	7.7	6.0	6.0	-5.2	5.6	1.1
New.....	-6.8	7.1	4.6	5.9	-5.8	4.5	1.2
Domestic.....	-7.6	6.0	8.3	-1.0	-4.1	3.0	4.1
Foreign.....	.7	1.2	-3.3	6.5	-1.6	1.5	-2.7
Used.....	.6	.5	1.4	-.1	.7	1.0	-.1
New trucks.....	-8.8	4.4	.9	5.3	21.6	1.6	-7.4
Domestic.....	-8.3	3.2	1.6	.9	19.7	.9	-3.3
Foreign.....	-5	1.4	-.9	5.3	1.9	.9	-4.9
Residual.....	-3.9	.7	-6	1.1	7.9	-1.5	-3.9
Addenda:							
Final sales of motor vehicles to domestic purchasers.....	432.5	445.0	471.8	452.8	430.5	453.4	495.3
Private fixed investment in new autos and new light trucks.....	143.8	140.5	143.7	150.2	135.2	130.4	137.8
Domestic output of new autos ²	108.4	115.3	121.9	108.7	105.1	109.6	113.4
Sales of imported new autos ³	84.6	87.1	92.3	87.2	84.8	83.0	87.8

1. Except for exports and imports, consists of new trucks only.
 2. Consists of final sales and change in private inventories of new autos assembled in the United States.
 3. Consists of personal consumption expenditures, private fixed investment, and gross government investment.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.
 Chain-type quantity indexes for the series in this table are shown in table 7.18B.

Table 8.30. Contributions to Percent Change in the Gross Domestic Purchases Price Index

	2001	2002	Seasonally adjusted at annual rates					
			2002		2003			
			III	IV	I	II	III	
Percent change at annual rate:								
Gross domestic purchases	1.9	1.2	1.2	1.8	3.4	.4	1.9	
Percentage points at annual rates:								
Personal consumption expenditures	1.34	.92	1.15	1.22	1.84	.54	1.61	
Durable goods	-.16	-.23	-.16	-.18	-.29	-.30	-.30	
Motor vehicles and parts .....	.01	-.05	.03	-.01	-.06	-.06	-.09	
Furniture and household equipment	-.17	-.17	-.16	-.16	-.16	-.22	-.23	
Other .....	.01	-.01	-.02	-.01	-.07	-.02	.03	
Nondurable goods .....	.29	.08	.12	.24	.90	-.39	.70	
Food .....	.28	.19	.09	.17	.16	.23	.23	
Clothing and shoes	-.06	-.08	-.11	-.01	-.15	-.11	.02	
Gasoline, fuel oil, and other energy goods	-.06	-.12	.09	.18	.94	-.51	.36	
Other .....	.12	.09	.06	-.09	-.05	.01	.08	
Services	1.21	1.07	1.19	1.17	1.23	1.23	1.20	
Housing .....	.37	.38	.28	.28	.25	.15	.22	
Household operation .....	.15	-.03	.13	.09	.35	.17	.01	
Electricity and gas .....	.15	-.08	.01	.05	.29	.24	.01	
Other household operation .....	.00	.05	.12	.04	.06	-.07	.00	
Transportation .....	.05	.05	.04	.07	-.01	.08	.15	
Medical care .....	.37	.28	.30	.33	.12	.32	.43	
Recreation .....	.08	.08	.08	.08	.10	.07	.07	
Other .....	.19	.32	.36	.32	.43	.44	.32	
Gross private domestic investment .....	.19	-.08	-.16	.24	.19	-.11	.12	
Fixed investment .....	.19	-.06	-.14	.25	.28	-.13	.13	
Nonresidential .....	.02	-.15	-.14	.04	-.04	-.15	.04	
Structures .....	.15	-.02	.01	.05	.09	-.01	.05	
Equipment and software	-.14	-.13	-.15	-.01	-.14	-.14	-.01	
Information processing equipment and software	-.16	-.14	-.11	-.14	-.17	-.10	-.09	
Computers and peripheral equipment	-.17	-.11	-.10	-.10	-.11	-.08	-.08	
Software ¹ .....	.03	-.01	.01	-.01	-.07	.00	.00	
Other	-.03	-.02	-.02	-.02	.00	-.02	-.02	
Industrial equipment .....	.01	.00	.02	.01	.02	.01	.03	
Transportation equipment	-.01	.00	-.06	.11	.00	-.06	.05	
Other equipment .....	.02	.01	.01	.00	.02	.02	.00	
Residential .....	.17	.09	.00	.21	.32	.02	.09	
Change in private inventories .....	.00	-.02	-.03	-.01	-.09	.02	-.01	
Farm .....	.00	.00	.00	.00	.00	.00	-.01	
Nonfarm .....	.00	-.02	-.02	-.01	-.09	.02	-.01	
Government consumption expenditures and gross investment .....	.41	.31	.26	.28	1.41	-.07	.20	
Federal .....	.10	.17	.08	.02	.62	.06	.07	
National defense .....	.06	.09	.06	.05	.38	.03	.05	
Consumption expenditures .....	.07	.10	.06	.04	.37	.03	.04	
Gross investment .....	.00	.00	.00	.01	.00	.00	.01	
Nondefense .....	.04	.08	.02	-.03	.24	.02	.02	
Consumption expenditures .....	.04	.08	.02	-.03	.24	.02	.02	
Gross investment .....	.00	.00	.00	.00	.00	.00	.00	
State and local .....	.31	.14	.18	.26	.79	-.13	.13	
Consumption expenditures .....	.26	.12	.17	.25	.71	-.14	.11	
Gross investment .....	.05	.02	.00	.01	.08	.01	.01	
Addenda:								
Final sales of computers ²	-.27	-.19	-.16	-.19	-.17	-.15	-.15	
Gross domestic purchases less final sales of computers	2.21	1.34	1.41	1.94	3.61	.50	2.07	
Food .....	.28	.18	.06	.17	.17	.23	.23	
Energy goods and services .....	.09	-.26	.14	.31	1.64	-.58	.42	
Gross domestic purchases less food and energy	1.57	1.23	1.05	1.27	1.63	.70	1.27	

1. Excludes software "embedded," or bundled, in computers and other equipment.

2. For some components of final sales of computers, includes computer parts.

NOTE: The price indexes on which the estimates in this table are based are shown in tables 7.1, 7.2, 7.4, 7.6, and 7.11.

B. Other NIPA and NIPA-Related Tables

Monthly Estimates

Tables B.1 and B.2 include the most recent estimates of personal income and its components; these estimates were released on October 31, 2003, and they include "preliminary" estimates for September 2003 and "revised" estimates for July and August 2003.

Table B.1. Personal Income

[Billions of dollars; monthly estimates seasonally adjusted at annual rates]

	2001	2002	2002					2003								
			Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul. [†]	Aug. [†]	Sept. [†]
Personal income	8,685.3	8,922.2	8,958.7	8,983.1	8,983.1	9,007.1	9,047.4	9,058.3	9,080.2	9,102.0	9,119.8	9,155.4	9,192.9	9,218.5	9,247.7	9,274.8
Wage and salary disbursements.....	4,950.6	4,996.4	5,009.8	5,027.4	5,009.7	5,020.1	5,039.5	5,039.4	5,057.2	5,064.9	5,064.3	5,077.6	5,095.6	5,097.3	5,110.0	5,115.6
Private industries.....	4,139.8	4,143.6	4,152.1	4,167.4	4,146.4	4,154.5	4,172.2	4,163.6	4,175.0	4,179.9	4,177.3	4,188.2	4,201.1	4,206.9	4,219.2	4,225.4
Goods-producing industries.....	1,142.4	1,115.7	1,117.0	1,117.3	1,110.7	1,107.1	1,110.0	1,105.2	1,106.0	1,107.5	1,105.7	1,108.5	1,112.6	1,109.4	1,111.7	1,114.6
Manufacturing.....	789.4	758.7	759.1	757.8	753.8	750.4	751.8	750.1	751.2	750.6	746.5	746.8	748.8	745.8	746.2	747.5
Distributive industries.....	1,109.2	1,114.4	1,118.4	1,123.7	1,112.5	1,114.6	1,116.7	1,119.8	1,123.2	1,122.4	1,123.8	1,123.8	1,127.5	1,129.7	1,134.2	1,133.4
Service industries.....	1,888.2	1,913.5	1,916.7	1,926.4	1,923.3	1,932.8	1,945.5	1,938.6	1,945.8	1,950.0	1,949.3	1,955.9	1,961.0	1,967.8	1,973.3	1,977.4
Government.....	810.8	852.8	857.7	860.0	863.3	865.6	867.3	875.8	882.2	885.0	886.9	889.4	894.5	890.4	890.8	890.2
Other labor income.....	570.4	610.6	617.5	622.1	625.9	630.1	634.4	637.0	639.4	641.1	642.8	645.2	646.9	648.0	649.7	651.1
Proprietors' income with IVA and CCAdj.....	727.9	756.5	757.4	763.8	769.7	770.4	774.6	783.3	782.3	787.7	794.7	803.5	815.3	828.8	832.8	839.1
Farm.....	19.0	12.9	10.7	13.8	13.0	11.8	10.2	12.3	14.4	15.9	15.8	15.1	15.2	19.1	21.2	21.7
Nonfarm.....	708.8	743.7	746.7	750.0	756.7	758.6	764.4	771.0	767.9	771.7	778.9	788.4	800.1	809.7	811.6	817.3
Rental income of persons with CCAdj.....	137.9	142.4	144.1	135.9	133.2	130.6	127.9	127.5	126.9	126.2	121.3	115.2	110.4	115.0	121.1	127.1
Personal dividend income.....	409.2	433.8	437.3	439.4	441.6	443.8	446.0	448.6	451.2	453.7	456.4	459.1	461.5	463.9	466.5	469.1
Personal interest income.....	1,091.3	1,078.5	1,080.7	1,076.7	1,078.8	1,080.9	1,083.1	1,079.4	1,075.8	1,072.2	1,076.8	1,081.5	1,086.1	1,084.1	1,082.0	1,079.9
Transfer payments to persons.....	1,170.4	1,288.0	1,297.3	1,304.6	1,309.9	1,317.6	1,329.8	1,333.9	1,339.6	1,348.9	1,356.3	1,367.2	1,373.2	1,377.0	1,382.3	1,390.3
Old-age, survivors, disability, and health insurance benefits.....	664.3	699.8	701.9	704.6	704.5	710.3	717.6	718.2	722.4	727.1	729.6	737.3	738.5	740.0	745.8	748.8
Government unemployment insurance benefits.....	31.9	62.9	66.9	67.8	66.0	63.3	63.3	60.9	61.5	63.6	64.8	65.7	67.5	67.2	66.1	66.9
Other.....	474.2	525.4	528.5	532.3	539.4	544.0	548.9	554.8	555.7	558.1	561.9	564.2	567.2	569.7	570.4	574.7
Less: Personal contributions for social insurance.....	372.3	384.0	385.4	386.7	385.7	386.6	388.0	390.8	392.1	392.7	393.9	395.2	395.6	396.7	397.3	397.3

† Preliminary.
‡ Revised.

CCAdj Capital consumption adjustment.
IVA Inventory valuation adjustment.
Source: U.S. Bureau of Economic Analysis.

Table B.2. The Disposition of Personal Income

[Monthly estimates seasonally adjusted at annual rates]

	2001	2002	2002					2003								
			Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul. [†]	Aug. [†]	Sept. [†]
Billions of dollars, unless otherwise indicated																
Personal income	8,685.3	8,922.2	8,958.7	8,983.1	8,983.1	9,007.1	9,047.4	9,058.3	9,080.2	9,102.0	9,119.8	9,155.4	9,192.9	9,218.5	9,247.7	9,274.8
Less: Personal tax and nontax payments.....	1,292.1	1,111.9	1,098.8	1,096.8	1,089.6	1,088.5	1,092.2	1,067.5	1,074.4	1,078.9	1,079.4	1,082.3	1,086.2	979.6	929.3	1,039.0
Equals: Disposable personal income	7,393.2	7,810.3	7,859.9	7,886.4	7,893.6	7,918.6	7,955.2	7,990.8	8,005.8	8,023.1	8,040.4	8,073.2	8,106.6	8,238.9	8,318.4	8,235.8
Less: Personal outlays.....	7,223.5	7,524.5	7,601.6	7,567.5	7,592.0	7,626.0	7,704.1	7,707.7	7,705.4	7,769.8	7,772.4	7,807.7	7,860.9	7,938.4	8,024.1	8,000.6
Personal consumption expenditures.....	6,987.0	7,303.7	7,379.3	7,347.2	7,374.3	7,410.7	7,491.2	7,493.4	7,490.3	7,553.9	7,557.0	7,592.6	7,646.2	7,720.2	7,802.9	7,776.4
Durable goods.....	835.9	871.9	919.0	872.8	848.1	857.7	915.9	866.3	845.7	871.7	894.4	899.5	907.7	939.4	975.5	926.0
Nondurable goods.....	2,041.3	2,115.0	2,117.3	2,115.6	2,137.5	2,150.2	2,162.1	2,193.3	2,203.7	2,223.3	2,193.3	2,197.1	2,219.5	2,242.8	2,274.3	2,280.3
Services.....	4,109.9	4,316.8	4,343.0	4,358.8	4,388.6	4,402.7	4,413.2	4,433.8	4,441.0	4,458.9	4,469.4	4,496.0	4,519.0	4,538.0	4,553.2	4,570.1
Interest paid by persons.....	205.4	188.4	189.3	187.4	185.0	182.5	180.1	180.9	181.7	182.5	182.2	181.9	181.5	184.5	187.4	190.5
Personal transfer payments to the rest of the world (net).....	31.1	32.3	32.9	32.9	32.8	32.8	33.4	33.4	33.4	33.2	33.2	33.2	33.2	33.7	33.7	33.7
Equals: Personal saving	169.7	285.8	258.3	318.8	301.5	292.7	251.1	283.1	300.4	253.3	268.0	265.5	245.7	300.5	294.3	235.2
Addenda:																
Disposable personal income:																
Billions of chained (1996) dollars ¹	6,748.0	7,032.2	7,057.4	7,067.2	7,061.5	7,079.4	7,105.9	7,123.7	7,107.6	7,097.6	7,126.3	7,162.1	7,175.5	7,277.6	7,327.6	7,236.9
Per capita:																
Current dollars.....	25,957	27,170	27,313	27,381	27,383	27,450	27,557	27,660	27,692	27,729	27,766	27,855	27,945	28,374	28,620	28,308
Chained (1996) dollars.....	23,692	24,463	24,525	24,537	24,497	24,540	24,615	24,659	24,585	24,531	24,609	24,712	24,735	25,063	25,211	24,874
Population (thousands) ²	284,822	287,456	287,768	288,024	288,263	288,480	288,682	288,893	289,098	289,335	289,579	289,828	290,096	290,370	290,653	290,936
Personal consumption expenditures:																
Billions of chained (1996) dollars.....	6,377.2	6,576.0	6,625.9	6,584.0	6,596.5	6,625.3	6,691.4	6,680.3	6,649.9	6,682.5	6,697.9	6,735.8	6,767.9	6,819.5	6,873.5	6,833.2
Durable goods.....	931.9	999.9	1,057.3	1,003.5	977.0	991.7	1,062.9	1,008.7	987.6	1,019.8	1,049.0	1,061.2	1,074.2	1,114.5	1,159.6	1,105.8
Nondurable goods.....	1,869.8	1,929.5	1,926.2	1,920.2	1,937.9	1,950.0	1,962.0	1,984.4	1,972.0	1,980.4	1,970.6	1,986.2	1,999.8	2,015.6	2,031.6	2,023.9
Services.....	3,594.9	3,675.6	3,683.4	3,689.0	3,704.0	3,708.7	3,708.0	3,716.2	3,714.2	3,716.8	3,729.3	3,737.8	3,743.4	3,747.8	3,754.4	3,754.4
Implicit price deflator, 1996=100.....	109.56	111.06	111.37	111.59	111.79	111.86	111.95	112.17	112.64	113.04	112.83	112.72	112.98	113.21	113.52	113.80
Personal saving as percentage of disposable personal income.....	2.3	3.7	3.3	4.0	3.8	3.7	3.2	3.5	3.8	3.2	3.3	3.3	3.0	3.6	3.5	2.9
Percent change from preceding period, monthly changes at monthly rates																
Personal income, current dollars	3.3	2.7	0.3	0.3	0.0	0.3	0.4	0.1	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.3
Disposable personal income:																
Current dollars.....	3.8	5.6	0.3	0.3	0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.4	0.4	1.6	1.0	-1.0
Chained (1996) dollars.....	1.8	4.2	0.1	0.1	-0.1	0.3	0.4	0.3	-0.2	-0.1	0.4	0.5	0.2	1.4	0.7	-1.2
Personal consumption expenditures:																
Current dollars.....	4.5	4.5	0.3	-0.4	0.4	0.5	1.1	0.0	0.0	0.8	0.0	0.5	0.7	1.0	1.1	-0.3
Chained (1996) dollars.....	2.5	3.1	0.1	-0.6	0.2	0.4	1.0	-0.2	-0.5	0.5	0.2	0.6	0.5	0.8	0.8	-0.6

† Preliminary.
‡ Revised.

population. The monthly estimate is the average of estimates for the first of the month and the first of the following month; the annual estimate is the average of the monthly estimates.
Source: U.S. Bureau of Economic Analysis.

1. Equals disposable personal income deflated by the implicit price deflator for personal consumption expenditures.
2. Population is the total population of the United States, including the Armed Forces overseas and the institutionalized

Annual Estimates

Except as noted for table B.3 below, these tables are derived from the NIPA tables that were published in the August and September 2002 issues of the SURVEY OF CURRENT BUSINESS, and the estimates reflect the most recent comprehensive and annual NIPA revisions.

Table B.3. Gross Domestic Product by Industry, Current-Dollar and Real Estimates for 1999–2001

	Billions of dollars			Billions of chained (1996) dollars				Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Gross domestic product	9,274.3	9,824.6	10,082.2	8,859.0	9,191.4	9,214.5	Transportation services.....	29.9	34.1	32.9	29.8	32.4	31.2
Private industries	8,123.0	8,606.9	8,800.8	7,851.0	8,157.8	8,189.4	Communications.....	257.2	279.1	291.5	255.3	286.7	321.9
Agriculture, forestry, and fishing	127.7	134.3	140.6	154.6	166.7	163.9	Telephone and telegraph.....	193.7	208.0	218.5	205.3	236.7	265.7
Farms.....	75.2	77.8	80.6	108.1	120.5	114.3	Radio and television.....	63.6	71.1	72.9	51.5	53.4	60.0
Agricultural services, forestry, and fishing.....	52.5	56.5	60.1	46.2	47.6	49.1	Electric, gas, and sanitary services.....	211.0	216.5	221.9	208.8	213.9	194.3
Mining	104.1	133.1	139.0	114.7	101.9	105.8	Wholesale trade	645.3	696.8	680.7	708.6	750.2	748.7
Metal mining.....	5.6	5.2	5.7	9.0	8.0	9.6	Retail trade	831.7	887.3	931.8	846.2	909.2	951.2
Coal mining.....	10.8	9.2	10.5	13.5	11.9	13.9	Finance, insurance, and real estate	1,798.8	1,976.7	2,076.9	1,688.3	1,793.5	1,843.5
Oil and gas extraction.....	76.4	106.5	110.3	82.0	70.5	72.9	Depository institutions.....	330.3	361.1	359.8	274.9	287.4	290.4
Nonmetallic minerals, except fuels.....	11.4	12.2	12.6	10.7	12.2	12.4	Nondepository institutions.....	57.7	69.5	88.8	65.4	79.0	91.9
Construction	425.4	461.3	480.0	367.8	378.0	371.9	Security and commodity brokers.....	128.2	150.8	175.0	174.8	216.8	245.1
Manufacturing	1,481.3	1,520.3	1,423.0	1,513.9	1,585.4	1,490.3	Insurance carriers.....	153.8	182.4	170.1	133.0	146.0	141.2
Durable goods.....	853.8	886.4	812.8	949.3	1,044.3	990.1	Insurance agents, brokers, and service.....	61.5	61.6	66.5	54.6	51.9	53.5
Lumber and wood products.....	44.1	42.1	39.2	40.9	41.8	39.0	Real estate.....	1,050.5	1,123.7	1,171.7	982.1	1,016.7	1,022.0
Furniture and fixtures.....	25.8	25.0	23.7	24.1	22.4	22.4	Nonfarm housing services.....	766.9	811.4	845.1	704.1	722.9	725.6
Stone, clay, and glass products.....	41.4	40.6	36.7	37.4	37.2	33.9	Other real estate.....	283.5	312.3	326.6	279.3	295.5	298.2
Primary metal industries.....	50.5	50.2	45.1	57.0	56.1	53.5	Holding and other investment offices.....	16.8	27.7	45.0	10.0	13.7	22.7
Fabricated metal products.....	106.9	109.6	100.8	97.7	102.7	92.3	Services	1,977.2	2,116.4	2,226.6	1,768.4	1,826.0	1,843.3
Industrial machinery and equipment.....	152.3	173.1	148.2	206.7	249.2	222.5	Hotels and other lodging places.....	80.0	87.4	88.4	64.5	68.4	65.6
Electronic and other electric equipment.....	161.2	162.0	143.1	249.2	311.8	335.2	Personal services.....	58.5	59.3	62.7	53.6	52.9	53.3
Motor vehicles and equipment.....	119.4	120.4	111.4	115.0	117.3	108.5	Business services.....	501.0	534.4	544.1	449.6	460.1	459.4
Other transportation equipment.....	65.1	66.3	71.4	61.7	60.5	62.0	Auto repair, services, and parking.....	89.2	94.9	99.5	81.8	84.8	87.5
Instruments and related products.....	58.2	63.5	61.7	47.6	51.0	46.1	Miscellaneous repair services.....	24.9	27.7	27.0	19.9	20.9	17.7
Miscellaneous manufacturing industries.....	28.9	32.5	30.2	27.4	31.3	28.5	Motion pictures.....	31.2	32.5	35.5	28.5	27.9	29.5
Nonurable goods.....	627.5	633.9	610.2	570.8	558.0	518.3	Amusement and recreation services.....	72.6	76.6	79.3	63.6	63.6	62.6
Food and kindred products.....	136.6	127.0	123.7	120.5	111.2	106.5	Health services.....	515.4	548.5	589.8	470.7	487.9	501.2
Tobacco products.....	19.4	21.2	21.1	6.8	6.2	5.0	Legal services.....	123.6	134.4	145.6	111.0	116.8	120.2
Textile mill products.....	24.9	23.8	22.1	23.0	23.2	20.7	Educational services.....	72.3	77.9	84.4	62.4	64.1	66.5
Apparel and other textile products.....	24.7	24.7	23.3	22.9	23.3	22.3	Social services.....	61.9	67.7	74.7	53.9	56.0	58.4
Paper and allied products.....	56.8	60.2	55.9	56.1	53.1	49.7	Membership organizations.....	58.0	61.4	63.0	48.1	47.8	46.6
Printing and publishing.....	105.4	106.5	100.2	90.4	90.1	80.8	Other services.....	276.0	300.3	320.7	250.2	263.9	267.1
Chemicals and allied products.....	167.3	169.0	163.5	160.6	162.8	157.8	Private households.....	12.7	13.6	11.9	11.7	12.0	10.1
Petroleum and coal products.....	30.4	38.5	40.6	35.3	29.9	24.6	Statistical discrepancy ¹	-38.8	-128.5	-117.3	-37.3	-121.3	-108.3
Rubber and miscellaneous plastics products.....	58.7	59.3	56.6	57.6	61.3	57.0	Government	1,151.3	1,217.7	1,281.3	1,061.1	1,088.8	1,107.5
Leather and leather products.....	3.4	3.7	3.3	3.2	3.6	3.1	Federal	369.8	389.5	396.2	346.5	355.0	350.9
Transportation and public utilities	770.1	809.3	819.5	732.2	781.9	780.5	General government.....	307.6	323.4	332.8	285.2	289.4	291.3
Transportation.....	301.9	313.7	306.1	268.6	282.5	270.3	Government enterprises.....	62.2	66.1	63.4	61.4	66.0	59.4
Railroad transportation.....	23.1	24.8	25.8	22.4	25.0	25.0	State and local	781.5	828.2	885.1	714.4	733.6	756.1
Local and interurban passenger transit.....	17.9	18.3	19.1	16.8	17.2	17.2	General government.....	715.9	758.7	807.0	653.7	669.0	687.0
Trucking and warehousing.....	121.4	123.3	126.0	100.2	103.4	99.3	Government enterprises.....	65.6	69.4	78.1	60.7	64.7	69.4
Water transportation.....	13.4	15.0	15.7	12.0	13.4	13.3	Not allocated by industry ²				-97.1	-159.1	-204.4
Transportation by air.....	90.0	91.9	80.2	80.7	84.8	78.3							
Pipelines, except natural gas.....	6.2	6.3	6.5	6.6	6.4	6.0							

1. The current-dollar statistical discrepancy equals gross domestic product (GDP) measured as the sum of expenditures less gross domestic income—that is, GDP measured as the costs incurred and profits earned in domestic production. The chained (1996) dollar statistical discrepancy equals the current-dollar statistical discrepancy deflated by the implicit price deflator for gross domestic business product.

2. Equals GDP in chained (1996) dollars less the statistical discrepancy and the sum of GDP by industry of the

detailed industries. The value of not allocated by industry reflects the nonadditivity of chained-dollar estimates and the differences in source data used to estimate real GDP by industry and the expenditures measure of real GDP.

NOTE: Estimates are based on the 1987 Standard Industrial Classification. The table is derived from tables 1 and 6 in "Gross Domestic Product by Industry for 1999–2001" in the November 2002 Survey.

Table B.4. Personal Consumption Expenditures by Type of Expenditure

	Billions of dollars			Billions of chained (1996) dollars				Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Personal consumption expenditures	6,246.5	6,683.7	6,987.0	5,964.5	6,223.9	6,377.2	Personal business	576.2	632.5	634.3	514.2	550.0	550.1
Food and tobacco	964.7	1,027.2	1,068.7	888.9	919.4	926.0	Brokerage charges and investment counseling (s.).....	72.2	88.4	74.2	80.0	98.9	86.2
Food purchased for off-premise consumption (n.d.).....	537.7	568.6	589.0	512.4	530.0	533.6	Bank service charges, trust services, and safe deposit box rental (s.).....	63.2	68.4	73.5	56.8	58.8	60.7
Purchased meals and beverages ¹ (n.d.).....	351.5	376.5	393.2	325.4	339.8	344.0	Services furnished without payment by financial intermediaries except life insurance carriers (s.).....	233.8	258.1	259.5	201.4	220.0	227.4
Food furnished to employees (including military) (n.d.).....	9.1	9.4	9.7	8.5	8.7	8.8	Expense of handling life insurance and pension plans ¹⁷ (s.).....	96.2	102.8	103.9	82.3	82.0	80.3
Food produced and consumed on farms (n.d.).....	5.5	5.5	5.5	5.5	5.5	5.5	Legal services (s.).....	62.4	65.2	70.4	54.7	54.4	55.7
Tobacco products (n.d.).....	65.9	72.2	76.3	43.4	42.8	42.1	Funeral and burial expenses (s.).....	16.5	16.4	17.5	14.6	14.1	14.6
Addenda: Food excluding alcoholic beverages (n.d.).....	786.2	834.2	866.2	741.0	768.8	775.2	Other ¹⁸ (s.).....	31.0	33.2	35.3	28.1	28.9	29.4
Alcoholic beverages purchased for off-premise consumption (n.d.).....	65.2	70.3	73.1	62.5	65.4	66.5	Transportation	707.8	768.9	794.8	704.8	726.8	750.4
Other alcoholic beverages (n.d.).....	47.4	50.5	53.1	43.3	44.8	45.3	User-operated transportation.....	654.7	711.9	742.0	653.1	673.9	699.8
Clothing, accessories, and jewelry	391.2	409.8	412.6	404.9	426.4	435.9	New autos (d.).....	98.4	105.5	105.9	99.9	107.0	108.0
Shoes (n.d.).....	44.7	46.3	47.0	46.4	48.8	49.9	Net purchases of used autos (d.).....	57.7	59.4	60.6	59.8	60.4	60.4
Clothing and accessories except shoes ²	256.1	267.1	267.9	265.4	280.3	287.5	Repair, greasing, washing, parking, storage, rental, and leasing (s.).....	118.7	125.9	149.0	116.8	123.9	147.3
Women's and children's (n.d.).....	164.1	171.9	172.6	172.6	183.1	187.1	Tires, tubes, accessories, and other parts (d.).....	44.4	45.9	45.8	45.3	46.7	45.4
Men's and boys' (n.d.).....	92.0	95.2	95.3	92.9	97.3	100.5	Gasoline and oil (n.d.).....	165.1	175.5	181.6	156.7	162.1	162.2
Standard clothing issued to military personnel (n.d.).....	3	3	3	3	3	3	Bridge, tunnel, ferry, and road tolls (s.).....	129.3	164.4	162.1	136.4	135.7	138.8
Cleaning, storage, and repair of clothing and shoes (s.).....	14.6	15.5	15.6	13.8	14.3	13.7	Insurance ¹⁹ (s.).....	36.8	30.7	32.1	34.1	34.3	34.3
Jewelry and watches (d.).....	48.5	51.1	51.0	53.7	58.1	58.0	Purchased local transportation.....	12.4	12.7	13.2	12.5	12.6	12.7
Other ³ (s.).....	27.0	29.5	30.8	25.6	27.1	27.0	Mass transit systems (s.).....	8.6	9.1	9.5	8.7	9.0	9.1
Personal care	84.0	87.8	89.1	80.0	81.7	81.5	Taxicab (s.).....	3.8	3.6	3.7	3.8	3.5	3.5
Toilet articles and preparations (n.d.).....	55.1	56.5	56.5	53.4	54.1	53.6	Purchased intercity transportation.....	40.7	44.3	39.7	39.3	40.3	38.0
Barbershops, beauty parlors, and health clubs (s.).....	28.9	31.2	32.6	26.6	27.6	27.8	Railway (s.).....	7	8	9	7	8	8
Housing	912.6	960.0	1,014.5	835.0	851.3	866.0	Bus (s.).....	2.0	1.5	1.5	1.8	1.3	1.3
Owner-occupied nonfarm dwellings—space rent ⁴ (s.).....	666.4	704.9	751.0	610.7	627.3	643.5	Airline (s.).....	32.7	36.7	32.4	31.7	33.4	31.6
Tenant-occupied nonfarm dwellings—rent ⁵ (s.).....	202.8	207.8	217.1	185.8	184.0	184.3	Other ²⁰ (s.).....	5.3	5.2	4.8	5.0	4.7	4.3
Rental value of farm dwellings (s.).....	7.2	7.6	8.0	6.1	6.0	5.9	Recreation	526.5	564.7	599.9	558.3	604.9	644.6
Other ⁶ (s.).....	36.1	39.6	38.5	32.5	34.1	32.5	Books and maps (d.).....	30.8	33.2	35.1	30.2	32.5	34.1
Household operation	677.7	723.9	747.3	677.7	712.2	721.8	Magazines, newspapers, and sheet music (n.d.).....	32.5	34.2	35.2	30.8	31.8	32.1
Furniture, including mattresses and bedsprings (d.).....	60.3	64.4	64.0	60.6	65.0	65.7	Nondurable toys and sport supplies (n.d.).....	60.4	62.7	66.7	67.8	74.5	82.6
Kitchen and other household appliances ⁷ (d.).....	34.1	35.7	36.1	35.5	37.5	38.3	Wheel goods, sports and photographic equipment, boats, and pleasure aircraft (d.).....	50.4	55.3	60.8	52.3	58.1	64.5
China, glassware, Tableware, and utensils (d.).....	31.4	33.3	34.1	31.8	34.2	35.9	Video and audio goods, including musical instruments, and computer goods (d.).....	98.1	106.3	105.6	152.7	185.5	211.5
Other durable house furnishings ⁸ (d.).....	61.6	65.1	66.4	61.9	65.9	68.0	Video and audio goods, including musical instruments (d.).....	66.7	71.8	72.7	78.3	90.7	99.0
Semidurable house furnishings ⁹ (n.d.).....	36.8	38.3	38.7	38.9	41.6	43.0	Computers, peripherals, and software ²¹ (d.).....	31.4	34.5	32.9	91.0	122.0	152.6
Cleaning and polishing preparations, and miscellaneous household supplies and paper products (n.d.).....	56.9	59.3	61.7	54.4	54.4	54.6	Radio and television repair (s.).....	4.1	4.1	4.2	3.9	4.0	4.1
Stationery and writing supplies (n.d.).....	22.6	23.4	23.5	21.2	22.3	22.4	Flowers, seeds, and potted plants (n.d.).....	16.7	17.5	18.5	17.4	17.5	17.9
Household utilities.....	190.1	209.2	221.7	190.1	195.0	191.3	Admissions to specified spectator amusements.....	25.0	27.1	29.4	22.6	23.1	23.9
Electricity (s.).....	96.7	101.5	105.3	101.0	104.4	101.2	Motion picture theaters (s.).....	7.6	7.8	8.7	6.9	7.1	7.1
Gas (s.).....	33.3	40.8	49.1	31.6	32.9	33.3	Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics) (s.).....	8.9	9.9	10.6	8.1	8.4	8.7
Water and other sanitary services (s.).....	46.6	48.8	50.7	43.0	43.9	44.4	Spectator sports ²¹ (s.).....	8.5	9.5	10.1	7.7	8.1	8.1
Fuel oil and coal (n.d.).....	13.6	18.1	18.5	14.7	14.0	12.6	Clubs and fraternal organizations ²² (s.).....	15.9	16.7	17.3	14.7	14.9	14.9
Telephone and telegraph (s.).....	122.3	130.6	136.5	127.1	141.1	151.2	Commercial participant amusements ²³ (s.).....	63.0	68.4	73.3	58.8	61.6	63.9
Domestic service (s.).....	14.9	16.0	14.6	13.7	14.1	12.2	Parl-mutuel net receipts (s.).....	4.5	4.7	4.8	4.2	4.3	4.3
Other ¹⁰ (s.).....	46.6	48.5	50.0	43.0	42.9	42.9	Other ²⁴ (s.).....	125.1	134.4	142.9	114.2	118.7	122.2
Medical care	1,097.9	1,171.1	1,270.2	1,025.5	1,062.0	1,110.2	Education and research	152.1	164.0	174.9	136.8	141.3	144.9
Drug preparations and sundries ¹¹ (n.d.).....	139.2	156.3	176.4	129.4	140.6	152.3	Higher education ²⁵ (s.).....	79.3	83.1	87.6	71.5	72.2	73.6
Ophthalmic products and orthopedic appliances (d.).....	21.6	22.9	21.6	20.6	21.3	19.4	Nursery, elementary, and secondary schools ²⁶ (s.).....	32.0	34.0	35.5	29.2	29.8	29.9
Physicians (s.).....	230.3	244.3	266.7	218.7	228.0	242.1	Other ²⁷ (s.).....	40.8	46.9	51.7	36.1	39.2	41.3
Dentists (s.).....	58.3	62.7	67.5	51.1	52.5	54.4	Religious and welfare activities ²⁸ (s.).....	172.9	190.1	199.6	157.5	164.9	166.4
Other professional services ¹² (s.).....	137.0	142.8	153.5	126.5	128.5	133.9	Foreign travel and other, net	-16.0	-16.1	-12.8	-11.7	-7.5	-5.0
Hospitals and nursing homes ¹³	445.8	471.5	509.6	418.1	427.4	443.9	Foreign travel by U.S. residents ²⁹ (s.).....	72.3	80.9	76.3	70.9	78.7	73.3
Hospitals.....	370.7	392.3	425.9	350.7	359.8	376.8	Expenditures abroad by U.S. residents (n.d.).....	3.2	3.3	3.6	3.6	4.0	4.4
Nonprofit (s.).....	245.9	259.7	281.0	229.8	234.8	244.1	Less: Expenditures in the United States by nonresidents ³⁰ (s.).....	89.6	98.3	90.6	84.2	88.2	80.6
Proprietary (s.).....	42.4	44.8	50.8	41.0	42.2	46.5	Less: Personal remittances in kind to nonresidents (n.d.).....	1.9	2.0	2.2	1.9	1.9	2.1
Government (s.).....	82.5	87.8	94.1	79.9	82.8	86.2	Residual				-41.6	-72.6	-100.5
Nursing homes (s.).....	75.1	79.2	83.6	67.5	67.7	67.5							
Health insurance.....	65.7	70.6	75.0	61.3	63.8	64.5							
Medical care and hospitalization ¹⁴ (s.).....	57.7	63.0	66.8	49.5	51.4	51.6							
Income loss ¹⁵ (s.).....	1.5	1.7	1.8	9	1.0	1.0							
Workers' compensation ¹⁶ (s.).....	6.5	5.9	6.4	10.8	11.4	12.1							

* Because of rapid changes in relative prices, the chained-dollar estimates for computers are especially misleading as a measure of the contribution or relative importance of this component.

1. Consists of purchases (including tips) of meals and beverages from retail, service, and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunchrooms. Includes meals and beverages consumed both on- and off-premise.
 2. Includes luggage.
 3. Consists of watch, clock, and jewelry repairs, costume and dress suit rental, and miscellaneous personal services.
 4. Consists of rent for space and for heating and plumbing facilities, water heaters, lighting fixtures, kitchen cabinets, linoleum, storm windows and doors, window screens, and screen doors, but excludes rent for appliances and furniture and purchases of fuel and electricity.
 5. Consists of space rent (see footnote 4) and rent for appliances, furnishings, and furniture.
 6. Consists of transient hotels, motels, clubs, schools, and other group housing.
 7. Consists of refrigerators and freezers, cooking ranges, dishwashers, laundry equipment, stoves, room air conditioners, sewing machines, vacuum cleaners, and other appliances.
 8. Includes such house furnishings as floor coverings, comforters, quilts, blankets, pillows, picture frames, mirrors, art products, portable lamps, and clocks. Also includes writing equipment and hand, power, and garden tools.
 9. Consists largely of textile house furnishings, including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes.
 10. Consists of maintenance services for appliances and house furnishings, moving and warehouse expenses, postage and express charges, premiums for fire and theft insurance on personal property less benefits and dividends, and miscellaneous household operation services.
 11. Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services.
 12. Consists of osteopathic physicians, chiropractors, private duty nurses, chiropodists, podiatrists, and others providing health and allied services, not elsewhere classified.
 13. Consists of (1) current expenditures (including consumption of fixed capital) of nonprofit hospitals and nursing homes, and (2) payments by patients to proprietary and government hospitals and nursing homes.
 14. Consists of (1) premiums, less benefits and dividends, for health, hospitalization, and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including consumption of fixed capital) of nonprofit and self-insured health plans.
 15. Consists of premiums, less benefits and dividends, for income loss insurance.
 16. Consists of premiums, less benefits and dividends, for privately administered workers' compensation.
 17. Consists of (1) operating expenses of commercial life insurance carriers, (2) administrative expenses of private noninsured pension plans and publicly administered government employee retirement plans, and (3) premiums, less benefits and dividends, of fraternal benefit societies. For commercial life insurance carriers, excludes expenses for accident and health insurance and includes profits of stock companies and services furnished without payment by banks, credit agencies, and investment companies. For pension and retirement plans, excludes services furnished without payment by banks, credit agencies, and investment companies.
 18. Consists of current expenditures (including consumption of fixed capital) of trade unions and professional associations, employment agency fees, money order fees, spending for classified advertisements, tax return preparation services, and other personal business services.
 19. Consists of premiums, less benefits and dividends, for motor vehicle insurance.
 20. Consists of baggage charges, coastal and inland waterway fares, travel agents' fees, and airport bus fares.
 21. Consists of admissions to professional and amateur athletic events and to racetracks.
 22. Consists of dues and fees excluding insurance premiums.
 23. Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations; casino gambling; and other commercial participant amusements.
 24. Consists of net receipts of lotteries and expenditures for purchases of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, video cassette rentals, and recreational services, not elsewhere classified.
 25. For private institutions, equals current expenditures (including consumption of fixed capital) less receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and less expenditures for research and development financed under contracts or grants. For government institutions, equals student payments of tuition.
 26. For private institutions, equals current expenditures (including consumption of fixed capital) less receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures. For government institutions, equals student payments of tuition. Excludes child day care services, which are included in religious and welfare activities.
 27. Consists of (1) fees paid to commercial, business, trade, and correspondence schools and for educational services, not elsewhere classified, and (2) current expenditures (including consumption of fixed capital) by research organizations and foundations for education and research.
 28. For nonprofit institutions, equals current expenditures (including consumption of fixed capital) of religious, social welfare, foreign relief, and political organizations, museums, libraries, and foundations. The expenditures are net of receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and excludes relief payments within the United States and expenditures by foundations for education and research. For proprietary and government institutions, equals receipts from users.
 29. Beginning with 1981, includes U.S. students' expenditures abroad; these expenditures were \$0.3 billion in 1981.
 30. Beginning with 1981, includes nonresidents' student and medical care expenditures in the United States; student expenditures were \$2.2 billion and medical expenditures were \$0.4 billion in 1981.
 Note. Consumer durable goods are designated (d.), nondurable goods (n.d.), and services (s.).
 Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Table B.5. Private Fixed Investment in Structures by Type

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Private fixed investment in structures	678.5	731.0	759.9	617.9	638.5	634.9
Nonresidential	283.7	314.2	324.5	258.6	275.5	270.9
New.....	283.1	313.5	320.8	258.0	274.7	267.7
Nonresidential buildings, excluding farm	201.8	217.9	210.1	181.0	187.1	173.6
Industrial.....	28.7	28.0	25.6	25.8	24.0	21.1
Commercial.....	110.1	122.8	118.5	98.7	105.5	97.9
Office buildings ¹	55.4	64.7	60.5	49.6	55.6	50.0
Other ²	54.7	58.1	58.0	49.1	49.9	48.0
Religious.....	7.2	7.8	8.1	6.4	6.7	6.7
Educational.....	10.3	12.4	13.7	9.3	10.6	11.3
Hospital and institutional.....	15.1	16.1	16.8	13.5	13.8	13.9
Other ³	30.4	30.8	27.4	27.2	26.5	22.6
Utilities.....	47.3	53.7	55.0	45.7	50.4	50.3
Railroads.....	4.7	4.3	4.1	4.7	4.2	4.2
Telecommunications.....	18.3	18.7	18.4	18.2	18.2	17.3
Electric light and power.....	14.7	21.3	22.7	14.0	19.5	20.1
Gas.....	8.1	8.5	8.9	7.6	7.6	7.8
Petroleum pipelines.....	1.5	1.0	.9	1.4	.9	.8
Farm.....	5.1	6.0	6.1	4.5	5.1	5.1
Mining exploration, shafts, and wells.....	22.8	29.2	42.7	21.6	27.0	34.0
Petroleum and natural gas.....	21.6	28.0	41.3	20.4	26.0	32.8
Other.....	1.2	1.1	1.4	1.1	1.0	1.2
Other ⁴	6.2	6.7	6.8	5.7	6.0	5.9
Brokers' commissions on sale of structures	2.4	2.5	2.5	2.3	2.4	2.2
Net purchases of used structures.....	-1.8	-1.9	1.2	-1.6	-1.6	1.0
Residential	394.8	416.8	435.4	359.4	363.0	364.0
New.....	344.4	363.6	377.8	311.7	315.1	315.2
New housing units.....	250.1	259.7	271.6	225.6	224.2	225.5
Permanent site.....	236.1	248.9	262.8	212.2	213.9	217.0
Single-family structures.....	208.6	220.7	232.1	189.0	191.0	192.6
Multifamily structures.....	27.4	28.3	30.7	23.4	23.0	24.4
Manufactured homes.....	14.0	10.8	8.8	13.2	10.0	8.1
Improvements.....	93.0	102.4	104.6	84.9	89.7	88.4
Other ⁵	1.3	1.4	1.6	1.2	1.2	1.4
Brokers' commissions on sale of structures	53.9	56.2	60.0	51.0	50.6	50.9
Net purchases of used structures.....	-3.5	-2.9	-2.3	-3.1	-2.5	-1.9
Residual.....				-9	-9	-1.0

1. Consists of office buildings, except those constructed at industrial sites and those constructed by utilities for their own use.

2. Consists of stores, restaurants, garages, service stations, warehouses, mobile structures, and other buildings used for commercial purposes.

3. Consists of hotels and motels, buildings used primarily for social and recreational activities, and buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.

4. Consists primarily of streets, dams and reservoirs, sewer and water facilities, parks, and airfields.

5. Consists primarily of dormitories and of fraternity and sorority houses.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Table B.6. Private Fixed Investment in Equipment and Software by Type

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Private fixed investment in equipment and software	898.7	960.8	886.4	984.8	1,065.4	997.6
Nonresidential equipment and software	889.8	951.6	877.1	975.9	1,056.0	988.2
Information processing equipment and software.....	402.3	446.9	404.3	508.1	583.3	548.5
Computers and peripheral equipment ¹	90.4	93.3	74.2	207.4	246.4	239.9
Software ²	162.5	179.4	180.4	169.3	184.4	182.0
Communication equipment.....	93.7	116.6	90.6	102.5	132.1	105.8
Instruments.....	38.2	40.6	43.6	37.9	40.1	42.6
Photocopy and related equipment.....	10.5	9.5	8.0	10.7	9.5	8.0
Office and accounting equipment.....	7.0	7.5	7.6	7.1	7.5	7.8
Industrial equipment.....	150.4	164.9	159.0	147.5	160.8	153.8
Fabricated metal products.....	13.4	13.8	13.7	13.5	13.9	13.4
Engines and turbines.....	5.7	7.0	9.3	5.4	6.6	8.8
Metalworking machinery.....	34.2	35.3	31.3	33.6	34.6	30.5
Special industry machinery, n.e.c.....	38.3	44.4	41.0	37.2	43.0	39.4
General industrial, including materials handling, equipment.....	34.0	36.6	34.4	33.0	35.3	32.9
Electrical transmission, distribution, and industrial apparatus.....	24.8	27.8	29.3	24.8	27.3	28.7
Transportation equipment.....	194.7	189.7	165.8	193.2	186.6	163.6
Trucks, buses, and truck trailers.....	112.3	107.4	90.1	112.4	106.5	90.5
Autos.....	43.1	40.5	34.1	42.5	40.8	35.4
Aircraft.....	29.1	31.5	33.7	28.3	29.3	29.8
Ships and boats.....	2.7	3.2	3.2	2.6	2.9	2.9
Railroad equipment.....	7.6	7.1	4.7	7.7	7.2	4.8
Other equipment.....	145.6	153.4	150.8	141.8	148.5	144.5
Furniture and fixtures.....	38.1	40.6	35.7	37.1	39.2	34.0
Tractors.....	12.8	13.7	14.5	12.5	13.4	14.1
Agricultural machinery, except tractors.....	9.9	10.8	12.0	9.5	10.3	11.3
Construction machinery, except tractors.....	21.6	21.7	19.9	20.4	20.4	18.5
Mining and oilfield machinery.....	5.6	5.2	6.5	5.3	5.0	5.9
Service industry machinery.....	16.5	16.4	16.1	15.9	15.7	15.3
Electrical equipment, n.e.c.....	14.4	16.4	17.9	14.9	17.3	19.0
Other.....	26.8	28.4	28.2	26.2	27.4	26.8
Less: Sale of equipment scrap, excluding autos.....	3.2	3.3	2.8	4.1	3.8	3.5
Residential equipment	8.8	9.3	9.3	9.0	9.4	9.5
Residual.....				-37.8	-56.3	-56.5
Addenda:						
Private fixed investment in equipment and software.....	898.7	960.8	886.4			
Less: Dealers' margin on used equipment.....	8.1	8.8	8.6			
Net purchases of used equipment from government.....	1.0	1.0	.9			
Plus: Net sales of used equipment.....	39.3	38.5	32.5			
Net exports of used equipment.....	.4	-2	.0			
Sale of equipment scrap.....	3.3	3.4	2.9			
Equals: Private fixed investment in new equipment and software.....	932.6	992.7	912.4			

1. Includes new computers and peripheral equipment only. Because of rapid changes in relative prices, the chained-dollar estimates for computers are especially misleading as a measure of the contribution or relative importance of this component.

2. Excludes software "embedded," or bundled, in computers and other equipment.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

n.e.c. Not elsewhere classified.

Table B.7. Compensation and Wage and Salary Accruals by Industry
 (Millions of dollars)

	Compensation			Wage and salary accruals				Compensation			Wage and salary accruals		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Total	5,308,801	5,723,399	5,874,879	4,475,588	4,836,329	4,950,605							
Domestic industries	5,314,546	5,729,274	5,881,042	4,481,333	4,842,204	4,956,768							
Private industries ¹	4,361,287	4,721,994	4,818,943	3,757,166	4,073,263	4,145,921	Communications	103,714	114,010	113,175	87,644	96,406	95,286
Agriculture, forestry, and fishing ...	49,786	52,656	57,497	43,643	46,253	50,496	Telephone and telegraph	78,733	86,828	84,956	66,277	73,142	71,216
Farms	19,341	19,314	21,544	16,478	16,563	18,394	Radio and television	24,981	27,182	28,219	21,367	23,264	20,070
Agricultural services, forestry, and fishing	30,445	33,342	35,953	27,165	29,690	32,102	Electric, gas, and sanitary services	58,541	62,541	65,156	49,212	52,574	54,610
Mining	34,234	36,534	39,627	29,256	31,204	33,844	Wholesale trade	359,519	385,755	379,752	309,254	332,293	325,688
Metal mining	2,917	2,600	2,421	2,446	2,161	1,996	Retail trade	478,563	511,114	531,075	420,523	449,515	465,818
Coal mining	5,129	4,869	5,258	4,328	4,091	4,422	Finance, insurance, and real estate	458,091	501,923	531,995	395,757	434,720	459,937
Oil and gas extraction	20,749	23,512	26,240	17,827	20,205	22,555	Depository institutions	98,577	100,040	106,840	83,358	84,543	90,230
Nonmetallic minerals, except fuels	5,439	5,553	5,708	4,655	4,747	4,871	Nondepository institutions	40,714	41,510	49,161	34,787	35,473	42,046
Construction	272,904	298,999	313,027	233,740	256,839	268,645	Security and commodity brokers	107,093	135,094	138,866	95,771	120,994	124,161
Manufacturing	926,201	981,781	939,155	782,635	829,413	789,402	Insurance carriers	91,260	94,360	98,832	77,637	80,274	83,936
Durable goods	585,734	626,444	590,814	493,369	527,421	495,186	Insurance agents, brokers, and service	38,697	41,075	44,766	33,701	35,800	38,956
Lumber and wood products	28,712	29,146	28,559	24,464	24,814	24,256	Real estate	57,599	61,891	66,628	49,811	53,588	57,620
Furniture and fixtures	18,727	19,707	18,929	15,955	16,759	16,047	Holding and other investment offices	24,151	27,953	26,902	20,692	24,048	22,988
Stone, clay, and glass products	25,799	27,661	27,313	21,702	23,250	22,904	Services	1,431,970	1,578,136	1,644,716	1,250,487	1,380,070	1,434,418
Primary metal industries	37,240	38,213	35,730	30,851	31,572	29,317	Hotels and other lodging places	46,437	49,802	50,191	40,453	43,495	43,722
Fabricated metal products	66,605	69,559	67,318	56,015	58,339	56,259	Personal services	28,441	30,078	32,128	25,313	26,784	28,563
Industrial machinery and equipment	121,216	132,198	118,992	104,321	113,783	102,037	Business services	351,919	412,930	405,062	309,610	363,879	355,624
Electronic and other electric equipment	97,771	114,454	103,720	82,973	97,365	87,785	Auto repair, services, and parking	36,996	39,809	41,571	32,594	35,172	36,637
Motor vehicles and equipment	68,743	70,613	65,296	54,741	56,015	51,167	Miscellaneous repair services	13,499	13,947	14,652	11,856	12,256	12,844
Other transportation equipment	51,965	51,649	52,500	43,375	42,954	43,615	Motion pictures	22,480	23,933	24,443	19,779	21,052	21,435
Instruments and related products	53,491	57,079	56,364	45,974	48,993	48,311	Amusement and recreation services	47,274	51,547	52,647	41,316	45,082	45,929
Miscellaneous manufacturing industries	15,465	16,165	16,093	12,998	13,577	13,488	Health services	408,567	430,446	464,063	349,595	368,492	396,845
Nondurable goods	340,467	355,337	348,341	289,266	301,992	294,216	Legal services	72,180	79,170	85,255	63,581	69,846	75,067
Food and kindred products	66,468	70,102	71,808	56,619	59,780	60,977	Educational services	66,841	72,643	78,808	57,978	63,057	68,314
Tobacco products	2,758	2,946	3,130	2,168	2,321	2,464	Social services and membership organizations	114,376	123,692	131,746	101,619	109,876	116,749
Textile mill products	18,269	18,054	16,411	15,709	15,520	13,990	Social services	59,270	65,086	71,803	51,339	56,420	62,197
Apparel and other textile products	18,462	17,721	16,594	15,757	15,085	14,010	Membership organizations	55,106	58,806	59,943	50,280	53,456	54,552
Paper and allied products	34,474	35,062	34,378	29,663	30,154	29,399	Other services ²	210,248	236,574	252,269	184,404	207,845	221,113
Printing and publishing	69,716	73,248	71,895	60,196	63,280	61,773	Private households	12,712	13,565	11,881	12,389	13,234	11,576
Chemicals and allied products	77,224	83,713	80,990	64,397	69,950	67,159	Government	953,259	1,007,280	1,062,099	724,167	768,941	810,847
Petroleum and coal products	10,040	9,810	10,149	8,288	8,070	8,317	Federal	277,699	293,678	300,286	184,222	195,598	197,378
Rubber and miscellaneous plastics products	40,582	42,232	40,731	34,345	35,730	34,208	General government	221,496	233,437	240,534	146,475	154,845	157,914
Leather and leather products	2,474	2,449	2,255	2,124	2,102	1,919	Civilian	134,369	142,052	144,305	90,174	96,000	95,609
Transportation and public utilities	350,019	375,096	382,099	291,871	312,956	317,673	Military ⁴	87,127	91,385	96,229	56,301	58,845	62,305
Transportation	187,764	198,545	203,768	155,015	163,976	167,777	Government enterprises	56,203	60,241	59,752	37,747	40,753	39,464
Railroad transportation	17,023	16,749	16,759	12,656	12,415	12,383	State and local	675,560	713,602	761,813	539,945	573,343	613,469
Local and interurban passenger transit	11,952	12,684	13,272	10,185	10,814	11,291	General government	633,337	669,207	711,554	505,640	537,090	572,373
Trucking and warehousing ²	70,671	74,287	75,765	58,645	61,625	62,623	Education	340,095	360,574	382,057	269,529	287,229	305,171
Water transportation	9,068	9,667	10,043	7,588	8,100	8,392	Other ⁵	293,242	308,633	329,497	236,111	249,861	267,202
Transportation by air ²	59,591	64,005	66,426	49,281	52,887	54,721	Government enterprises ¹	42,223	44,395	50,259	34,305	36,253	41,096
Pipelines, except natural gas	1,000	1,018	1,092	850	865	925	Rest of the world	-5,745	-5,875	-6,163	-5,745	-5,875	-6,163
Transportation services	18,459	20,135	20,411	15,810	17,270	17,442	Receipts from the rest of the world	2,210	2,341	2,382	2,210	2,341	2,382
							Less: Payments to the rest of the world ³	7,955	8,216	8,545	7,955	8,216	8,545
							Addenda:						
							Households and institutions	403,143	431,088	459,628			
							Nonfarm business	4,037,229	4,376,228	4,447,782			

1. Beginning with 2001, reflects the reclassification of employees of Indian tribal governments from the private sector in accordance with the Consolidated Appropriations Act of 2001.

2. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.

3. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.

4. Includes Coast Guard.

5. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

NOTE: Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.8. Employment by Industry
[Thousands]

	Full-time and part-time employees			Persons engaged in production ¹				Full-time and part-time employees			Persons engaged in production ¹		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Total	136,294	139,207	138,840	132,149	134,723	134,288	Water transportation.....	188	194	192	185	191	197
Domestic industries	136,861	139,787	139,448	132,635	135,220	134,809	Transportation by air ³	1,245	1,297	1,286	1,163	1,216	1,205
Private industries ²	114,320	116,778	116,014	113,888	116,177	115,364	Pipelines, except natural gas	13	13	14	13	13	14
Agriculture, forestry, and fishing	2,294	2,319	2,341	3,393	3,341	3,342	Transportation services	476	488	480	474	476	467
Farms	923	890	870	1,593	1,635	1,608	Communications.....	1,553	1,665	1,700	1,423	1,522	1,554
Agricultural services, forestry, and fishing	1,371	1,429	1,471	1,700	1,706	1,734	Telephone and telegraph	1,107	1,195	1,220	1,011	1,088	1,107
Mining	539	541	568	544	546	581	Radio and television	446	470	480	412	434	447
Metal mining	44	40	35	45	42	36	Electric, gas, and sanitary services	863	857	860	860	851	857
Coal mining	86	79	82	85	77	81	Wholesale trade	6,992	7,104	6,832	7,015	7,098	6,794
Oil and gas extraction	296	308	338	304	315	354	Retail trade	23,542	24,049	24,147	20,954	21,423	21,485
Nonmetallic minerals, except fuels	113	114	113	110	112	110	Finance, insurance, and real estate	7,705	7,743	7,856	7,809	7,840	7,861
Construction	6,704	7,007	7,038	8,023	8,358	8,350	Depository institutions	2,049	2,036	2,047	1,928	1,904	1,904
Manufacturing	18,673	18,567	17,702	18,663	18,507	17,682	Nondepository institutions	709	686	716	691	667	690
Durable goods	11,178	11,179	10,632	11,223	11,214	10,671	Security and commodity brokers	727	797	820	796	873	855
Lumber and wood products	858	849	804	916	899	854	Insurance carriers	1,608	1,585	1,583	1,526	1,497	1,488
Furniture and fixtures	550	558	524	562	569	530	Insurance agents, brokers, and service	795	800	820	873	893	909
Stone, clay, and glass products	572	582	572	573	580	573	Real estate	1,567	1,581	1,615	1,759	1,764	1,777
Primary metal industries	698	700	646	697	696	642	Holding and other investment offices	250	258	255	236	242	238
Fabricated metal products	1,529	1,544	1,470	1,517	1,537	1,452	Services	40,975	42,337	42,412	40,637	42,040	42,217
Industrial machinery and equipment	2,141	2,119	2,006	2,135	2,106	2,002	Hotels and other lodging places	1,935	1,981	1,942	1,759	1,818	1,792
Electronic and other electric equipment	1,671	1,719	1,627	1,657	1,705	1,610	Personal services	1,363	1,387	1,414	1,831	1,879	1,878
Motor vehicles and equipment	1,023	1,020	941	1,018	1,018	943	Business services	9,438	10,048	9,622	9,567	10,197	9,850
Other transportation equipment	874	836	812	872	834	811	Auto repair, services, and parking	1,326	1,366	1,388	1,557	1,589	1,601
Instruments and related products	854	843	840	841	836	835	Miscellaneous repair services	390	381	384	352	338	354
Miscellaneous manufacturing industries	408	409	390	435	434	419	Motion pictures	612	609	589	659	652	634
Nondurable goods	7,495	7,388	7,070	7,440	7,293	7,011	Amusement and recreation services	1,783	1,856	1,811	1,547	1,636	1,601
Food and kindred products	1,697	1,700	1,702	1,680	1,675	1,681	Health services	10,359	10,483	10,775	9,647	9,770	10,040
Tobacco products	37	35	34	36	34	33	Legal services	1,142	1,163	1,188	1,219	1,222	1,261
Textile mill products	560	534	475	556	536	471	Educational services	2,350	2,442	2,536	2,164	2,265	2,371
Apparel and other textile products	697	640	564	708	616	560	Social services and membership organizations	5,387	5,581	5,671	5,188	5,354	5,432
Paper and allied products	669	657	629	664	651	623	Social services	2,859	2,992	3,143	3,086	3,201	3,330
Printing and publishing	1,576	1,569	1,508	1,557	1,544	1,498	Membership organizations	2,528	2,589	2,528	2,102	2,153	2,102
Chemicals and allied products	1,037	1,038	1,017	1,026	1,029	1,011	Other services ⁴	3,639	3,832	3,971	4,085	4,287	4,420
Petroleum and coal products	131	126	124	131	125	124	Private households	1,251	1,208	1,121	862	833	773
Rubber and miscellaneous plastics products	1,012	1,017	954	1,002	1,007	945	Government	22,541	23,009	23,434	18,747	19,043	19,445
Leather and leather products	79	72	63	80	76	65	Federal	5,141	5,237	5,076	4,167	4,198	4,119
Transportation and public utilities	6,896	7,111	7,118	6,850	7,014	7,052	General government	4,146	4,260	4,114	3,370	3,416	3,338
Transportation	4,480	4,589	4,558	4,567	4,641	4,641	Civilian	1,855	1,976	1,825	1,821	1,869	1,790
Railroad transportation	221	212	203	209	201	192	Military ⁵	2,291	2,284	2,289	1,549	1,547	1,548
Local and interurban passenger transit	489	500	506	503	503	521	Government enterprises	995	977	962	797	782	781
Trucking and warehousing ³	1,848	1,885	1,877	2,020	2,041	2,045	State and local	17,400	17,772	18,358	14,580	14,845	15,326
							General government	16,546	16,903	17,382	13,705	13,964	14,334
							Education	9,149	9,383	9,623	7,367	7,567	7,784
							Other ²	7,397	7,520	7,759	6,338	6,397	6,550
							Government enterprises ²	854	869	976	875	881	992
							Rest of the world ⁶	-567	-580	-608	-486	-497	-521

1. Equals the number of full-time equivalent employees plus the number of self-employed persons. Unpaid family workers are not included.
 2. Beginning with 2001, reflects the reclassification of employees of Indian tribal governments from the private sector in accordance with the Consolidated Appropriations Act of 2001.
 3. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.
 4. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.

5. Includes Coast Guard.
 6. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

Note. Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.9. Wage and Salary Accruals Per Full-Time Equivalent Employee and Full-Time Equivalent Employees by Industry

	Wage and salary accruals per full-time equivalent employee			Full-time equivalent employees ¹				Wage and salary accruals per full-time equivalent employee			Full-time equivalent employees ¹		
	Dollars			Thousands				Dollars			Thousands		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Total	36,677	38,759	39,784	122,028	124,779	124,438							
Domestic industries	36,578	38,652	39,667	122,514	125,276	124,959							
Private industries²	36,208	38,343	39,293	103,767	106,233	105,514							
Agriculture, forestry, and fishing	21,124	22,258	24,219	2,066	2,078	2,085							
Farms	20,832	21,708	24,657	791	763	746							
Agricultural services, forestry, and fishing	21,306	22,578	23,975	1,275	1,315	1,339							
Mining	55,409	58,875	60,871	528	530	556							
Metal mining	55,591	54,025	57,029	44	40	35							
Coal mining	51,524	53,130	55,275	84	77	80							
Oil and gas extraction	61,472	66,904	68,142	290	302	331							
Nonmetallic minerals, except fuels	42,318	42,766	44,282	110	111	110							
Construction	36,138	37,899	39,385	6,468	6,777	6,821							
Manufacturing	42,821	45,675	45,580	18,277	18,159	17,319							
Durable goods	44,835	47,930	47,409	11,004	11,004	10,445							
Lumber and wood products	28,986	30,005	30,978	844	827	783							
Furniture and fixtures	29,601	30,694	31,465	539	546	510							
Stone, clay, and glass products	38,616	40,718	40,900	562	571	560							
Primary metal industries	44,582	45,493	45,808	692	694	640							
Fabricated metal products	37,145	38,305	39,096	1,508	1,523	1,439							
Industrial machinery and equipment	49,629	54,703	51,717	2,102	2,080	1,973							
Electronic and other electric equipment	50,348	57,307	54,729	1,648	1,699	1,604							
Motor vehicles and equipment	53,879	55,296	54,783	1,016	1,013	934							
Other transportation equipment	50,087	51,877	54,315	866	828	803							
Instruments and related products	54,993	58,957	58,347	836	831	828							
Miscellaneous manufacturing industries	33,243	34,635	36,356	391	392	371							
Nondurable goods	39,773	42,207	42,801	7,273	7,155	6,874							
Food and kindred products	34,149	35,990	36,755	1,658	1,661	1,659							
Tobacco products	60,222	68,265	74,667	36	34	33							
Textile mill products	28,458	29,394	29,957	552	528	467							
Apparel and other textile products	23,344	25,268	25,944	675	597	540							
Paper and allied products	44,876	46,462	47,265	661	649	622							
Printing and publishing	41,061	43,254	43,533	1,466	1,463	1,419							
Chemicals and allied products	62,949	68,311	66,825	1,023	1,024	1,005							
Petroleum and coal products	63,754	64,560	67,618	130	125	123							
Rubber and miscellaneous plastics products	34,483	35,623	36,199	996	1,003	945							
Leather and leather products	27,947	29,606	31,459	76	71	61							
Transportation and public utilities	45,449	47,310	48,009	6,422	6,615	6,617							
Transportation	37,201	38,429	39,607	4,167	4,267	4,236							
Railroad transportation	60,555	61,766	64,495	209	201	192							
Local and interurban passenger transit	22,785	23,663	24,439	447	457	462							
Trucking and warehousing ³	33,977	35,014	35,744	1,726	1,760	1,752							
Water transportation	43,114	44,751	46,883	176	181	179							
Transportation by air ³	42,520	43,817	45,715	1,159	1,207	1,197							
Pipelines, except natural gas	65,385	66,538	66,071	13	13	14							
Transportation services	36,178	38,549	39,641	437	448	440							
Communications	62,336	64,057	62,157	1,406	1,505	1,533							
Telephone and telegraph	66,079	67,661	64,683	1,003	1,081	1,101							
Radio and television	53,020	54,888	55,718	403	424	432							
Electric, gas, and sanitary services	57,965	62,365	64,399	849	843	848							
Wholesale trade	45,986	48,738	49,701	6,725	6,818	6,553							
Retail trade	21,445	22,264	23,009	19,609	20,190	20,245							
Finance, insurance, and real estate	55,374	60,817	63,738	7,147	7,148	7,216							
Depository institutions	43,370	44,473	47,440	1,922	1,901	1,902							
Nondepository institutions	51,999	54,997	62,849	669	645	669							
Security and commodity brokers	139,608	161,541	161,879	686	749	767							
Insurance carriers	50,876	53,623	56,409	1,526	1,497	1,488							
Insurance agents, brokers, and service	45,358	48,118	51,325	743	744	759							
Real estate	36,492	39,115	41,364	1,365	1,370	1,393							
Holding and other investment offices	87,678	99,372	96,588	236	242	238							
Services	34,236	36,396	37,647	36,525	37,918	38,102							
Hotels and other lodging places	23,657	24,727	25,229	1,710	1,759	1,733							
Personal services	21,024	21,811	22,759	1,204	1,228	1,255							
Business services	35,235	38,706	39,444	8,787	9,401	9,016							
Auto repair, services, and parking	25,685	26,788	27,321	1,269	1,313	1,341							
Miscellaneous repair services	32,482	34,235	35,383	365	358	363							
Motion pictures	40,781	43,406	45,413	485	485	472							
Amusement and recreation services	28,513	29,446	30,763	1,449	1,531	1,493							
Health services	37,765	39,256	41,022	9,257	9,387	9,674							
Legal services	62,580	67,484	71,019	1,016	1,035	1,057							
Educational services	28,104	29,356	30,538	2,063	2,148	2,237							
Social services and membership organizations	21,901	22,786	23,729	4,640	4,822	4,920							
Social services	20,228	21,139	22,071	2,538	2,669	2,818							
Membership organizations	23,920	24,829	25,952	2,102	2,153	2,102							
Other services ⁴	53,951	57,447	58,682	3,418	3,618	3,768							
Private households	14,372	15,887	14,975	862	833	773							
Government	38,628	40,379	41,700	18,747	19,043	19,445							
Federal	44,210	46,593	47,919	4,167	4,198	4,119							
General government	43,464	45,329	47,308	3,370	3,416	3,338							
Civilian	49,519	51,364	53,413	1,821	1,869	1,790							
Military ⁵	36,347	38,038	40,249	1,549	1,547	1,548							
Government enterprises	47,361	52,114	50,530	797	782	781							
State and local	37,033	38,622	40,028	14,580	14,845	15,326							
General government	36,895	38,462	39,931	13,705	13,964	14,334							
Education	36,586	37,958	39,205	7,367	7,567	7,784							
Other ⁶	37,253	39,059	40,794	6,338	6,397	6,550							
Government enterprises ²	39,206	41,150	41,427	875	881	992							
Rest of the world⁶				-486	-497	-521							

1. Full-time equivalent employees equals the number of employees on full-time schedules plus the number of employees on part-time schedules converted to a full-time basis. The number of full-time equivalent employees in each industry is the product of the total number of employees and the ratio of average weekly hours per employee for all employees to average weekly hours per employee on full-time schedules.
 2. Beginning with 2001, reflects the reclassification of employees of Indian tribal governments from the private sector in accordance with the Consolidated Appropriations Act of 2001.
 3. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.
 4. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.
 5. Includes Coast Guard.
 6. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

Note: Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.10. Farm Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Farm output	207.5	214.3	221.3	244.1	249.2	246.1
Cash receipts from farm marketings	191.4	199.4	200.9	226.2	233.4	224.4
Crops	95.7	99.8	94.3	125.2	130.9	122.9
Livestock	95.7	99.7	106.6	101.1	102.9	101.3
Farm housing	7.2	7.6	8.0	6.1	6.0	5.9
Farm products consumed on farms .....	.5	.6	.6	.5	.5	.5
Other farm income	9.9	8.9	10.3	11.8	10.6	12.2
Change in farm inventories	-1.5	-2.2	1.6	-2.0	-2.5	2.0
Crops	-9	-1.6	2.1	-1.4	-2.2	3.6
Livestock	-6	-6	-5	-6	-6	-4
Less: Intermediate goods and services purchased	132.3	136.5	140.7	137.2	133.3	134.6
Intermediate goods and services, other than rent	118.6	122.2	126.1	123.1	119.5	120.8
Rent paid to nonoperator landlords	13.8	14.2	14.7	14.1	13.8	13.8
Equals: Gross farm product	75.2	77.8	80.6	108.1	120.5	114.3
Less: Consumption of fixed capital	28.9	28.7	29.4	27.7	27.0	27.3
Equals: Net farm product	46.3	49.2	51.2	80.9	97.9	89.5
Less: Indirect business tax and nontax liability	5.3	5.4	5.6			
Plus: Subsidies to operators	18.4	19.5	17.7			
Equals: Farm national income	59.3	63.3	63.2			
Compensation of employees	19.3	19.3	21.5			
Wage and salary accruals	16.5	16.6	18.4			
Supplements to wages and salaries	2.9	2.7	3.1			
Proprietors' income and corporate profits with inventory valuation and capital consumption adjustments	29.6	33.2	30.9			
Proprietors' income	27.7	22.6	19.0			
Corporate profits	1.9	10.6	11.8			
Net interest	10.3	10.9	10.8			

Note. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table B.11. Housing Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Housing output ¹	876.4	920.3	976.0	802.5	817.2	833.6
Nonfarm housing	869.2	912.7	968.1	796.4	811.2	827.8
Owner-occupied	666.4	704.9	751.0	610.7	627.3	643.5
Tenant-occupied	202.8	207.8	217.1	185.8	184.0	184.3
Farm housing	7.2	7.6	8.0	6.1	6.0	5.9
Less: Intermediate goods and services consumed	116.9	116.3	138.4	105.5	101.3	115.9
Equals: Gross housing product	759.5	804.0	837.6	697.0	716.1	717.5
Nonfarm housing	753.6	797.8	831.1	691.9	711.0	712.6
Owner-occupied	576.3	615.5	642.3	529.1	549.9	552.1
Tenant-occupied	177.4	182.2	188.8	162.8	161.1	160.5
Farm housing	5.9	6.3	6.5	5.1	5.1	4.9
Less: Consumption of fixed capital	145.4	152.5	166.1	132.2	132.7	140.0
Capital consumption allowances	77.8	81.8	88.4			
Less: Capital consumption adjustment	-67.6	-70.7	-77.7			
Equals: Net housing product	614.1	651.5	671.4	478.7	494.5	489.4
Less: Indirect business tax and nontax liability plus business transfer payments	135.7	140.7	146.0			
Plus: Subsidies less current surplus of government enterprises	23.7	23.8	24.3			
Equals: Housing national income	502.2	534.6	549.8			
Compensation of employees	10.0	10.9	11.3			
Proprietors' income with inventory valuation and capital consumption adjustments	19.7	18.5	18.1			
Rental income of persons with capital consumption adjustment	130.7	128.1	118.9			
Corporate profits with inventory valuation and capital consumption adjustments	4.1	4.1	4.0			
Net interest	337.6	373.1	397.5			

1. Equals personal consumption expenditures for housing less expenditures for other housing as shown in table B.4.

Note. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table B.12. Net Stock of Private Fixed Assets; Equipment, Software, and Structures; by Type

[Yearend estimates]

	Current-cost valuation (Billions of dollars)						Chain-type quantity indexes (1996=100)					
	1996	1997	1998	1999	2000	2001	1996	1997	1998	1999	2000	2001
Private fixed assets	16,722.5	17,653.1	18,649.6	19,880.4	21,215.2	22,190.4	100.0	102.96	106.36	109.89	113.63	116.62
Equipment and software	3,416.3	3,585.3	3,779.2	4,013.2	4,288.3	4,411.0	100.00	105.94	113.09	120.44	128.62	133.36
Nonresidential equipment and software	3,352.2	3,519.8	3,711.6	3,943.9	4,215.5	4,335.1	100.00	105.98	113.19	120.59	128.83	133.57
Information processing equipment and software.....	906.0	974.8	1,035.9	1,137.4	1,250.9	1,287.8	100.00	111.57	126.01	142.40	160.15	169.75
Computers and peripheral equipment.....	101.5	112.2	117.5	137.9	153.4	138.6	100.00	142.35	201.39	279.41	355.94	398.10
Software ¹	173.7	200.7	236.4	280.3	324.5	345.5	100.00	116.25	137.85	160.73	180.67	191.64
Communication equipment.....	363.8	388.2	399.9	430.2	482.9	498.6	100.00	108.02	118.26	131.85	151.45	161.64
Instruments.....	175.0	181.9	191.3	201.3	213.7	226.6	100.00	104.07	109.35	114.95	120.96	127.52
Photocopy and related equipment.....	71.5	70.2	69.2	66.4	63.7	58.5	100.00	99.34	99.11	94.93	90.04	83.07
Office and accounting equipment.....	20.5	21.6	21.5	21.3	20.8	19.8	100.00	105.39	106.55	102.73	101.21	97.60
Industrial equipment.....	1,119.1	1,156.9	1,199.5	1,240.7	1,292.7	1,328.7	100.00	102.97	106.11	108.90	112.88	115.95
Fabricated metal products.....	98.7	98.6	99.3	101.3	104.0	106.1	100.00	100.28	101.26	104.08	106.94	109.33
Engines and turbines.....	57.3	58.5	59.3	59.4	62.3	67.1	100.00	100.11	100.99	99.32	103.46	110.97
Steam engines.....	50.4	51.2	51.5	50.5	52.8	57.3	100.00	99.28	99.44	95.90	99.38	107.53
Internal combustion engines.....	6.9	7.3	7.8	8.8	9.5	9.8	100.00	106.25	112.51	124.76	133.79	136.56
Metalworking machinery.....	219.2	227.8	237.8	244.1	252.9	254.4	100.00	103.54	107.42	110.15	113.35	114.39
Special industry machinery, n.e.c.....	253.1	262.1	274.3	282.9	296.6	303.4	100.00	103.09	106.33	109.32	114.44	117.72
General industrial, including materials handling, equipment.....	234.9	243.0	253.1	260.4	269.9	276.9	100.00	102.69	105.84	108.36	111.46	113.23
Electrical transmission, distribution, and industrial apparatus.....	255.9	266.8	275.6	292.6	306.9	320.7	100.00	104.29	108.04	111.94	116.67	121.65
Transportation equipment.....	690.4	716.5	764.2	816.4	873.7	898.1	100.00	104.95	111.35	118.15	125.16	128.15
Trucks, buses, and truck trailers.....	260.7	283.0	321.8	366.5	395.8	397.4	100.00	111.12	125.02	140.52	151.11	153.83
Autos.....	159.0	159.9	157.8	157.3	155.4	156.9	100.00	101.49	100.75	103.40	105.31	104.55
Aircraft.....	147.1	149.6	158.5	163.4	189.6	210.8	100.00	101.56	106.89	107.49	117.85	127.34
Ships and boats.....	46.5	46.9	46.9	46.9	48.3	49.1	100.00	99.16	98.31	96.27	96.47	96.48
Railroad equipment.....	77.1	77.1	79.1	82.3	84.6	83.8	100.00	101.34	103.91	107.32	109.74	109.07
Other equipment.....	636.8	671.6	712.0	749.4	790.1	820.6	100.00	104.58	110.18	114.97	120.23	123.93
Furniture and fixtures.....	178.2	189.3	200.4	213.5	228.5	236.0	100.00	104.92	111.13	117.33	124.23	127.24
Household furniture.....	9.0	9.1	9.3	9.6	10.0	10.3	100.00	100.37	102.37	105.65	109.33	111.57
Other furniture.....	169.2	180.2	191.1	203.9	218.5	225.6	100.00	105.16	111.59	117.95	125.02	128.07
Tractors.....	59.3	63.4	67.8	69.3	71.4	74.0	100.00	106.36	112.79	114.59	117.87	121.70
Farm tractors.....	48.6	51.7	54.9	55.6	56.9	58.9	100.00	105.88	111.71	112.75	115.42	119.51
Construction tractors.....	10.6	11.7	13.0	13.8	14.5	15.1	100.00	108.56	117.67	122.83	128.80	131.55
Agricultural machinery, except tractors.....	74.9	77.2	79.9	79.6	80.2	82.2	100.00	102.00	104.37	102.87	102.54	103.31
Construction machinery, except tractors.....	82.1	87.2	94.0	100.3	105.1	107.5	100.00	104.53	110.53	115.85	120.61	122.74
Mining and oilfield machinery.....	16.6	18.1	19.3	21.2	22.8	25.3	100.00	106.90	113.17	123.07	129.52	139.95
Service industry machinery.....	68.8	72.1	75.6	79.5	82.7	84.5	100.00	103.57	107.69	112.25	115.99	117.65
Electrical equipment, n.e.c.....	44.7	46.9	50.9	53.9	58.5	63.8	100.00	106.49	116.43	125.56	137.79	151.19
Household appliances.....	2.9	2.8	2.9	2.9	2.9	3.0	100.00	99.49	100.73	102.27	104.57	107.97
Other.....	41.9	44.1	48.0	51.0	55.6	60.8	100.00	106.97	117.51	127.17	140.10	154.19
Other nonresidential equipment.....	112.2	117.4	124.2	132.2	140.9	147.2	100.00	104.39	109.56	115.27	121.30	125.87
Residential equipment	64.1	65.5	67.6	69.3	72.8	75.9	100.00	103.62	107.61	112.38	117.44	122.13
Structures	13,306.3	14,067.9	14,870.4	15,867.2	16,926.9	17,779.4	100.00	102.21	104.70	107.35	110.10	112.70
Nonresidential structures	5,175.0	5,487.0	5,746.2	6,069.9	6,480.0	6,767.2	100.00	102.04	104.33	106.70	109.30	111.56
Nonresidential buildings, excluding farm.....	3,285.6	3,498.9	3,740.8	4,012.5	4,296.2	4,506.6	100.00	102.71	105.66	108.59	111.63	114.11
Industrial buildings.....	729.2	765.4	806.4	843.0	878.1	898.2	100.00	101.24	102.57	102.83	102.85	102.52
Office buildings ²	756.3	804.9	865.5	936.1	1,015.8	1,075.1	100.00	102.63	106.13	109.99	114.58	118.15
Commercial buildings.....	843.8	902.7	965.3	1,035.8	1,109.2	1,165.8	100.00	103.19	106.22	109.20	112.27	115.01
Mobile structures.....	8.5	8.9	9.3	9.9	10.4	10.9	100.00	102.63	106.13	109.33	112.96	116.05
Other commercial ³	835.2	893.7	956.0	1,025.9	1,098.9	1,154.9	100.00	103.20	106.22	109.20	112.27	115.01
Religious buildings.....	145.7	153.9	163.5	176.0	189.1	199.2	100.00	101.88	104.09	107.31	110.68	113.67
Educational buildings.....	137.9	149.7	163.7	179.1	197.0	212.8	100.00	104.61	110.04	115.52	121.93	128.34
Hospital and institutional buildings.....	327.7	348.7	371.1	397.9	426.0	448.8	100.00	102.61	105.08	108.00	110.98	113.94
Other.....	345.1	373.6	405.3	444.5	481.0	506.7	100.00	104.49	109.23	114.53	119.02	122.19
Hotels and motels.....	177.5	194.8	215.3	238.7	261.8	278.3	100.00	105.90	112.59	119.38	125.77	130.34
Amusement and recreational buildings.....	92.7	101.0	109.8	119.9	129.3	135.8	100.00	105.11	109.88	114.96	118.95	121.84
Other nonfarm buildings ⁴	75.0	77.7	80.3	85.9	90.0	92.5	100.00	100.35	100.42	102.44	103.04	103.24
Utilities.....	1,229.0	1,264.7	1,283.0	1,321.6	1,383.6	1,420.3	100.00	100.87	102.20	104.18	106.33	108.39
Railroad.....	299.2	301.2	295.4	286.2	287.1	278.8	100.00	99.54	99.33	98.82	98.16	97.55
Telecommunications.....	235.3	239.5	243.0	258.7	280.5	301.9	100.00	102.15	104.16	110.96	117.70	123.44
Electric light and power.....	483.4	503.9	512.7	532.3	560.4	580.0	100.00	101.01	101.85	103.18	105.12	107.20
Gas.....	168.9	176.7	187.6	198.1	207.9	212.0	100.00	101.34	105.96	107.89	109.81	111.82
Petroleum pipelines.....	42.1	43.4	44.3	46.3	47.7	47.5	100.00	99.85	100.34	101.25	100.98	100.55
Farm related buildings and structures.....	204.4	210.7	218.1	226.8	236.8	243.3	100.00	99.42	99.00	98.72	98.88	99.01
Mining exploration, shafts, and wells.....	311.2	360.8	347.4	344.3	389.8	415.2	100.00	101.65	102.77	102.63	104.21	106.58
Petroleum and natural gas.....	277.4	325.5	311.2	307.0	351.6	376.3	100.00	101.82	103.17	103.18	105.15	107.90
Other mining.....	33.8	35.2	36.2	37.2	38.2	38.8	100.00	100.25	99.25	97.95	96.41	95.49
Other nonfarm structures ⁵	144.8	152.1	156.9	164.6	173.6	181.8	100.00	101.40	102.97	104.62	106.43	108.06
Residential structures	8,131.2	8,580.8	9,124.2	9,797.4	10,447.0	11,012.3	100.00	102.31	104.95	107.77	110.61	113.44
Housing units.....	6,624.6	6,995.2	7,449.5	8,016.1	8,545.6	9,017.7	100.00	102.25	104.85	107.64	110.39	113.14
Permanent site.....	6,483.0	6,845.0	7,289.1	7,845.4	8,369.8	8,837.3	100.00	102.19	104.75	107.50	110.27	113.08
1-to-4-unit.....	5,663.1	5,959.4	6,334.9	6,844.5	7,309.2	7,733.3	100.00	102.38	105.18	108.17	111.20	114.26
Farm.....	126.9	130.4	135.0	143.1	149.4	154.5	100.00	99.96	100.05	100.92	101.42	101.85
Nonfarm.....	5,536.2	5,829.0	6,199.9	6,701.4	7,159.8	7,578.8	100.00	102.44	105.29	108.34	111.43	114.54
5-or-more-unit.....	819.9	885.6	9									

C. Historical Measures

This table is derived from the "GDP and Other Major NIPA Series" tables that were published in the August 2002 issue of the SURVEY OF CURRENT BUSINESS and from the "Selected NIPA Tables" that are published in this issue. (Changes in prices are calculated from indexes expressed to three decimal places.)

Table C.1. GDP and Other Major NIPA Aggregates

[Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1996) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price indexes		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1959	2,319.0	2,317.4	2,332.8	7.2	6.3	21.88	21.41	21.88	21.88	1.1	1.1	1.1	1.1
1960	2,376.7	2,378.5	2,391.9	2.5	2.6	22.19	21.71	22.19	22.18	1.4	1.4	1.4	1.4
1961	2,432.0	2,435.5	2,448.8	2.3	2.4	22.43	21.94	22.44	22.43	1.1	1.1	1.1	1.1
1962	2,578.9	2,569.5	2,598.0	6.0	5.5	22.74	22.23	22.74	22.74	1.4	1.3	1.4	1.4
1963	2,690.4	2,683.6	2,710.8	4.3	4.4	22.99	22.50	23.00	22.99	1.1	1.2	1.1	1.1
1964	2,846.5	2,844.1	2,868.5	5.8	6.0	23.34	22.85	23.34	23.34	1.5	1.6	1.5	1.5
1965	3,028.5	3,008.5	3,051.7	6.4	5.8	23.77	23.26	23.78	23.77	1.9	1.8	1.9	1.9
1966	3,227.5	3,191.1	3,248.9	6.6	6.1	24.45	23.91	24.46	24.45	2.8	2.8	2.9	2.9
1967	3,308.3	3,288.2	3,330.4	2.5	3.0	25.21	24.61	25.21	25.21	3.1	2.9	3.1	3.1
1968	3,466.1	3,450.0	3,489.8	4.8	4.9	26.29	25.66	26.30	26.29	4.3	4.3	4.3	4.3
1969	3,571.4	3,555.9	3,594.1	3.0	3.1	27.59	26.92	27.59	27.59	4.9	4.9	4.9	4.9
1970	3,578.0	3,588.6	3,600.6	2	.9	29.05	28.37	29.06	29.05	5.3	5.4	5.3	5.3
1971	3,697.7	3,688.1	3,722.9	3.3	2.8	30.52	29.84	30.52	30.52	5.0	5.2	5.0	5.1
1972	3,898.4	3,887.7	3,925.7	5.4	5.4	31.81	31.17	31.82	31.82	4.2	4.5	4.3	4.2
1973	4,123.4	4,094.3	4,161.0	5.8	5.3	33.60	32.99	33.60	33.60	5.6	5.8	5.6	5.6
1974	4,099.0	4,080.7	4,142.3	-6	-3	36.60	36.35	36.62	36.62	9.0	10.2	9.0	9.0
1975	4,084.4	4,118.5	4,117.7	-4	.9	40.03	39.69	40.03	40.03	9.4	9.2	9.3	9.3
1976	4,311.7	4,288.8	4,351.4	5.6	4.1	42.29	41.93	42.30	42.31	5.7	5.7	5.7	5.7
1977	4,511.8	4,478.8	4,556.6	4.6	4.4	45.02	44.80	45.02	45.03	6.4	6.8	6.4	6.4
1978	4,760.6	4,722.9	4,805.3	5.5	5.5	48.22	48.02	48.23	48.24	7.1	7.2	7.1	7.1
1979	4,912.1	4,894.4	4,973.9	3.2	3.6	52.24	52.26	52.25	52.26	8.3	8.8	8.3	8.3
1980	4,900.9	4,928.1	4,962.3	-2	.7	57.05	57.79	57.04	57.05	9.2	10.6	9.2	9.2
1981	5,021.0	4,989.5	5,075.4	2.5	1.2	62.37	63.05	62.37	62.38	9.3	9.1	9.3	9.3
1982	4,919.3	4,954.9	4,973.6	-2.0	-7	66.26	66.71	66.25	66.26	6.2	5.8	6.2	6.2
1983	5,132.3	5,154.5	5,184.9	4.3	4.0	68.87	69.05	68.88	68.89	3.9	3.5	4.0	4.0
1984	5,505.2	5,427.9	5,553.8	7.3	5.3	71.44	71.46	71.44	71.45	3.7	3.5	3.7	3.7
1985	5,717.1	5,698.8	5,750.9	3.8	5.0	73.69	73.56	73.69	73.70	3.2	2.9	3.2	3.2
1986	5,912.4	5,912.6	5,932.5	3.4	3.8	75.32	75.22	75.31	75.32	2.2	2.3	2.2	2.2
1987	6,113.3	6,088.8	6,130.8	3.4	3.0	77.58	77.70	77.58	77.58	3.0	3.3	3.0	3.0
1988	6,368.4	6,352.6	6,391.1	4.2	4.3	80.22	80.36	80.21	80.22	3.4	3.4	3.4	3.4
1989	6,591.8	6,565.4	6,615.5	3.5	3.3	83.27	83.45	83.27	83.28	3.8	3.8	3.8	3.8
1990	6,707.9	6,695.6	6,740.0	1.8	2.0	86.53	86.85	86.51	86.53	3.9	4.1	3.9	3.9
1991	6,676.4	6,681.5	6,703.4	-5	-2	89.66	89.81	89.66	89.67	3.6	3.4	3.6	3.6
1992	6,880.0	6,867.7	6,905.8	3.0	2.8	91.85	92.03	91.84	91.84	2.4	2.5	2.4	2.4
1993	7,062.6	7,043.8	7,087.8	2.7	2.6	94.05	94.14	94.05	94.06	2.4	2.3	2.4	2.4
1994	7,347.7	7,285.8	7,364.3	4.0	3.4	96.01	96.06	96.01	96.02	2.1	2.0	2.1	2.1
1995	7,543.8	7,512.2	7,564.0	2.7	3.1	98.10	98.20	98.10	98.11	2.2	2.2	2.2	2.2
1996	7,813.2	7,783.2	7,831.2	3.6	3.6	100.00	100.00	100.00	100.00	1.9	1.8	1.9	1.9
1997	8,159.5	8,095.2	8,168.1	4.4	4.0	101.95	101.64	101.95	101.93	1.9	1.6	1.9	1.9
1998	8,508.9	8,431.8	8,508.4	4.3	4.2	103.20	102.43	103.20	103.17	1.2	.8	1.2	1.2
1999	8,859.0	8,793.9	8,883.7	4.1	4.3	104.69	103.97	104.69	104.65	1.4	1.5	1.4	1.4
2000	9,191.4	9,121.1	9,216.2	3.8	3.7	106.89	106.58	106.89	106.86	2.1	2.5	2.1	2.1
2001	9,214.5	9,258.4	9,237.3	.3	1.5	109.42	108.65	109.42	109.38	2.4	1.9	2.4	2.4
2002	9,439.9	9,424.4	9,433.5	2.4	1.8	110.66	109.90	110.66	110.63	1.1	1.2	1.1	1.1
1959: I	2,273.0	2,275.1	2,286.2	8.6	9.1	21.79	21.33	21.83	21.82	.9	1.2	.1	.1
1959: II	2,332.4	2,314.9	2,345.5	10.9	7.2	21.84	21.37	21.83	21.83	.9	.9	.1	.1
1959: III	2,331.4	2,344.3	2,345.5	-2	5.2	21.90	21.43	21.88	21.88	1.2	1.1	.9	.9
1959: IV	2,339.1	2,335.5	2,354.1	1.3	-1.5	21.99	21.52	21.98	21.98	1.7	1.7	1.8	1.8
1960: I	2,391.0	2,360.4	2,405.4	9.2	4.3	22.04	21.57	22.08	22.07	.9	.8	1.7	1.8
1960: II	2,379.2	2,382.7	2,393.9	-2.0	3.8	22.14	21.66	22.15	22.15	1.7	1.8	1.4	1.3
1960: III	2,383.6	2,380.0	2,398.9	.7	-5	22.23	21.76	22.23	22.23	1.8	1.8	1.5	1.5
1960: IV	2,352.9	2,391.1	2,369.3	-5.0	1.9	22.33	21.86	22.30	22.29	1.8	1.9	1.2	1.1
1961: I	2,366.5	2,392.9	2,383.7	2.3	.3	22.36	21.88	22.35	22.34	.5	.4	1.0	1.0
1961: II	2,410.8	2,418.3	2,427.1	7.7	4.3	22.40	21.91	22.40	22.39	.7	.5	.8	.8
1961: III	2,450.4	2,437.7	2,467.2	6.8	3.2	22.45	21.96	22.46	22.45	.9	.9	1.1	1.1
1961: IV	2,500.4	2,493.2	2,517.5	8.4	9.4	22.51	22.01	22.53	22.53	1.0	.9	1.4	1.4
1962: I	2,544.0	2,522.5	2,561.0	7.2	4.8	22.64	22.13	22.67	22.67	2.4	2.2	2.5	2.5
1962: II	2,571.5	2,564.6	2,590.3	4.4	6.8	22.71	22.20	22.71	22.70	1.1	1.3	.6	.6
1962: III	2,596.8	2,586.2	2,615.7	4.0	3.4	22.77	22.26	22.76	22.75	1.0	1.0	1.0	1.0
1962: IV	2,603.3	2,604.6	2,625.1	1.0	2.9	22.84	22.34	22.83	22.83	1.4	1.4	1.3	1.3
1963: I	2,634.1	2,619.3	2,654.8	4.8	2.3	22.93	22.42	22.91	22.90	1.4	1.6	1.3	1.3
1963: II	2,668.4	2,663.9	2,688.2	5.3	7.0	22.95	22.45	22.94	22.93	.3	.4	.6	.6
1963: III	2,719.6	2,712.0	2,739.8	7.9	7.4	22.98	22.49	22.98	22.97	.6	.8	.6	.6
1963: IV	2,739.4	2,739.6	2,760.3	2.9	4.1	23.12	22.63	23.16	23.15	2.5	2.6	3.2	3.2
1964: I	2,800.5	2,799.3	2,823.2	9.2	9.0	23.20	22.72	23.22	23.22	1.4	1.5	1.2	1.2
1964: II	2,833.8	2,833.5	2,855.7	4.8	5.0	23.27	22.79	23.28	23.27	1.2	1.3	.9	.9
1964: III	2,872.0	2,868.3	2,894.7	5.5	5.0	23.39	22.90	23.37	23.37	2.0	1.8	1.6	1.6
1964: IV	2,879.5	2,875.5	2,900.5	1.0	1.0	23.49	22.99	23.49	23.48	1.8	1.7	2.0	2.0

Table C.1. GDP and Other Major NIPA Aggregates

[Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1996) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price indexes		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1965: I.....	2,950.1	2,920.2	2,974.0	10.2	6.4	23.60	23.08	23.61	23.60	1.9	1.6	2.1	2.1
1965: II.....	2,989.9	2,973.2	3,014.6	5.5	7.4	23.71	23.19	23.71	23.71	1.8	1.8	1.8	1.8
1965: III.....	3,050.7	3,029.4	3,073.6	8.4	7.8	23.81	23.30	23.81	23.80	1.8	1.9	1.5	1.5
1965: IV.....	3,123.6	3,111.4	3,144.5	9.9	11.3	23.97	23.46	23.97	23.97	2.6	2.9	2.8	2.8
1966: I.....	3,201.1	3,165.1	3,222.6	10.3	7.1	24.11	23.59	24.13	24.12	2.4	2.1	2.6	2.6
1966: II.....	3,213.2	3,180.0	3,234.8	1.5	1.9	24.33	23.81	24.32	24.32	3.8	3.8	3.3	3.3
1966: III.....	3,233.6	3,205.0	3,254.7	2.6	3.2	24.57	24.03	24.58	24.58	4.0	3.7	4.3	4.3
1966: IV.....	3,261.8	3,214.5	3,283.7	3.5	1.2	24.79	24.22	24.79	24.79	3.5	3.3	3.5	3.5
1967: I.....	3,291.8	3,246.9	3,313.4	3.7	4.1	24.90	24.32	24.89	24.89	1.9	1.6	1.6	1.6
1967: II.....	3,289.7	3,281.5	3,310.7	-3	4.3	25.06	24.47	25.05	25.05	2.5	2.5	2.5	2.5
1967: III.....	3,313.5	3,297.4	3,336.6	2.9	2.0	25.29	24.70	25.31	25.31	3.8	3.8	4.3	4.3
1967: IV.....	3,338.3	3,326.9	3,360.8	3.0	3.6	25.57	24.96	25.59	25.59	4.4	4.3	4.5	4.5
1968: I.....	3,406.2	3,394.2	3,429.2	8.4	8.3	25.86	25.24	25.88	25.87	4.6	4.6	4.5	4.5
1968: II.....	3,464.8	3,428.5	3,488.3	7.1	4.1	26.15	25.51	26.14	26.14	4.5	4.2	4.1	4.1
1968: III.....	3,489.2	3,478.1	3,513.4	2.8	5.9	26.39	25.77	26.39	26.39	3.8	4.1	3.9	3.9
1968: IV.....	3,504.1	3,499.5	3,528.1	1.7	2.5	26.76	26.13	26.76	26.76	5.7	5.7	5.7	5.7
1969: I.....	3,558.3	3,535.0	3,582.2	6.3	4.1	27.02	26.37	27.03	27.03	3.9	3.8	4.1	4.1
1969: II.....	3,567.6	3,551.3	3,590.6	1.0	1.9	27.39	26.73	27.39	27.38	5.5	5.6	5.3	5.3
1969: III.....	3,588.3	3,569.0	3,610.3	2.3	2.0	27.79	27.11	27.79	27.79	6.0	5.8	6.0	6.0
1969: IV.....	3,571.4	3,568.3	3,593.3	-1.9	-1	28.15	27.46	28.15	28.15	5.3	5.3	5.3	5.3
1970: I.....	3,566.5	3,578.9	3,589.1	-6	1.2	28.54	27.85	28.55	28.54	5.6	5.8	5.8	5.8
1970: II.....	3,573.9	3,573.2	3,597.4	.8	-6	28.94	28.24	28.94	28.94	5.8	5.6	5.7	5.7
1970: III.....	3,605.2	3,605.0	3,628.3	3.6	3.6	29.17	28.51	29.18	29.17	3.2	3.9	3.3	3.3
1970: IV.....	3,566.5	3,597.4	3,587.6	-4.2	-8	29.55	28.89	29.56	29.56	5.3	5.5	5.3	5.3
1971: I.....	3,666.1	3,643.1	3,691.3	11.6	5.2	30.00	29.31	30.00	30.00	6.1	6.0	6.1	6.1
1971: II.....	3,686.2	3,667.8	3,712.8	2.2	2.7	30.40	29.71	30.40	30.40	5.5	5.5	5.4	5.4
1971: III.....	3,714.5	3,698.9	3,738.4	3.1	3.4	30.71	30.04	30.71	30.71	4.1	4.6	4.2	4.2
1971: IV.....	3,723.8	3,742.5	3,749.2	1.0	4.8	30.96	30.30	30.96	30.96	3.3	3.5	3.3	3.3
1972: I.....	3,796.9	3,802.2	3,823.4	8.1	6.5	31.42	30.76	31.41	31.41	6.1	6.1	5.8	5.8
1972: II.....	3,883.8	3,862.7	3,910.0	9.5	6.5	31.61	30.98	31.61	31.61	2.5	2.9	2.6	2.6
1972: III.....	3,922.3	3,897.2	3,950.7	4.0	3.6	31.92	31.32	31.92	31.92	4.0	4.2	4.0	4.0
1972: IV.....	3,990.5	3,988.5	4,018.7	7.1	9.7	32.30	31.67	32.32	32.32	4.8	4.8	5.1	5.1
1973: I.....	4,092.3	4,075.5	4,125.0	10.6	9.0	32.73	32.09	32.71	32.71	5.4	5.4	4.9	4.9
1973: II.....	4,133.3	4,094.4	4,168.3	4.1	1.9	33.27	32.69	33.25	33.25	6.8	7.7	6.9	6.9
1973: III.....	4,117.0	4,100.7	4,158.0	-1.6	.6	33.90	33.29	33.86	33.86	7.9	7.6	7.5	7.5
1973: IV.....	4,151.1	4,106.3	4,192.5	3.4	.5	34.48	33.91	34.58	34.58	7.0	7.6	8.7	8.7
1974: I.....	4,119.3	4,101.8	4,168.1	-3.0	-4	35.18	34.80	35.20	35.20	8.4	10.9	7.4	7.4
1974: II.....	4,130.4	4,105.6	4,176.5	1.1	.4	35.97	35.79	36.02	36.02	9.2	11.9	9.6	9.6
1974: III.....	4,084.5	4,089.8	4,126.5	-4.4	-1.5	37.07	36.87	37.09	37.08	12.8	12.7	12.4	12.4
1974: IV.....	4,062.0	4,025.8	4,098.0	-2.2	-6.1	38.20	37.93	38.20	38.19	12.7	12.0	12.5	12.5
1975: I.....	4,010.0	4,054.7	4,040.1	-5.0	2.9	39.08	38.76	39.08	39.08	9.6	9.0	9.6	9.6
1975: II.....	4,045.2	4,099.2	4,075.6	3.6	4.5	39.63	39.33	39.63	39.63	5.8	6.0	5.7	5.7
1975: III.....	4,115.4	4,135.9	4,148.4	7.1	3.6	40.35	39.99	40.33	40.33	7.5	7.0	7.3	7.3
1975: IV.....	4,167.2	4,184.3	4,206.7	5.1	4.8	41.05	40.67	41.05	41.05	7.1	6.9	7.3	7.3
1976: I.....	4,266.1	4,248.8	4,304.2	9.8	6.3	41.49	41.11	41.50	41.50	4.3	4.4	4.5	4.5
1976: II.....	4,301.5	4,264.1	4,341.2	3.4	1.4	41.93	41.56	41.92	41.92	4.3	4.5	4.1	4.1
1976: III.....	4,321.9	4,289.7	4,362.0	1.9	2.4	42.51	42.18	42.50	42.51	5.6	6.1	5.7	5.7
1976: IV.....	4,357.4	4,352.4	4,398.4	3.3	6.0	43.25	42.88	43.27	43.28	7.1	6.8	7.4	7.4
1977: I.....	4,410.5	4,393.8	4,457.6	5.0	3.9	43.97	43.68	43.97	43.97	6.9	7.7	6.6	6.6
1977: II.....	4,489.8	4,464.0	4,535.9	7.4	6.5	44.69	44.45	44.69	44.71	6.7	7.2	6.8	6.8
1977: III.....	4,570.6	4,509.7	4,616.4	7.4	4.2	45.32	45.14	45.23	45.25	5.8	6.4	4.9	4.9
1977: IV.....	4,576.1	4,547.5	4,616.6	.5	3.4	46.08	45.92	46.16	46.17	6.9	7.0	8.5	8.4
1978: I.....	4,588.9	4,552.0	4,636.0	1.1	.4	46.86	46.67	46.86	46.87	6.9	6.8	6.2	6.2
1978: II.....	4,765.7	4,730.8	4,804.8	16.3	16.7	47.79	47.60	47.77	47.78	8.2	8.2	8.0	8.0
1978: III.....	4,811.7	4,774.7	4,854.6	3.9	3.8	48.64	48.45	48.60	48.61	7.3	7.3	7.1	7.1
1978: IV.....	4,876.0	4,834.2	4,925.8	5.5	5.1	49.62	49.37	49.59	49.60	8.3	7.8	8.4	8.4
1979: I.....	4,888.3	4,855.1	4,939.6	1.0	1.7	50.58	50.38	50.55	50.56	8.0	8.4	7.9	7.9
1979: II.....	4,891.4	4,852.9	4,949.3	.3	-2	51.73	51.58	51.71	51.72	9.4	9.9	9.5	9.5
1979: III.....	4,926.2	4,921.9	4,995.6	2.9	5.8	52.79	52.89	52.81	52.82	8.5	10.5	8.8	8.8
1979: IV.....	4,942.6	4,947.7	5,011.4	1.3	2.1	53.86	54.20	53.90	53.90	8.3	10.3	8.5	8.5
1980: I.....	4,958.9	4,961.4	5,028.8	1.3	1.1	55.08	55.73	55.11	55.12	9.4	11.8	9.3	9.3
1980: II.....	4,857.8	4,861.6	4,922.5	-7.9	-7.8	56.35	57.14	56.34	56.35	9.5	10.5	9.2	9.2
1980: III.....	4,850.3	4,923.9	4,911.3	-6	5.2	57.62	58.43	57.60	57.61	9.4	9.3	9.2	9.2
1980: IV.....	4,936.6	4,965.2	4,986.3	7.3	3.4	59.16	59.89	59.13	59.14	11.1	10.4	11.0	11.1
1981: I.....	5,032.5	4,985.6	5,086.4	8.0	1.7	60.67	61.42	60.66	60.67	10.6	10.7	10.8	10.8
1981: II.....	4,997.3	4,995.9	5,048.1	-2.8	.8	61.75	62.53	61.76	61.77	7.3	7.4	7.5	7.5
1981: III.....	5,056.8	5,003.5	5,110.5	4.9	.6	62.95	63.56	62.95	62.97	8.0	6.7	8.0	8.0
1981: IV.....	4,997.1	4,972.9	5,056.8	-4.6	-2.4	64.10	64.70	64.10	64.11	7.5	7.4	7.5	7.5
1982: I.....	4,914.3	4,959.7	4,969.4	-6.5	-1.1	65.00	65.56	64.99	65.00	5.8	5.4	5.7	5.7
1982: II.....	4,935.5	4,954.2	4,996.9	1.7	-4	65.84	66.29	65.83	65.84	5.3	4.6	5.3	5.2
1982: III.....	4,912.1	4,916.8	4,963.4	-1.9	-3.0	66.75	67.16	66.75	66.76	5.6	5.4	5.7	5.7
1982: IV.....	4,915.6	4,989.1	4,964.8	.3	6.0	67.44	67.83	67.45	67.46	4.2	4.0	4.3	4.3
1983: I.....	4,972.4	5,036.1	5,021.5	4.7	3.8	67.98	68.22	67.95	67.96	3.3	2.3	3.0	3.0
1983: II.....	5,089.8	5,113.1	5,142.2	9.8	6.3	68.59	68.80	68.56	68.57	3.6	3.5	3.7	3.7
1983: III.....	5,180.4	5,200.3	5,233.9	7.3	7.0	69.17	69.35	69.16	69.18	3.2	3.6	3.6	3.6
1983: IV.....	5,286.8	5,268.5	5,342.0	8.5	5.4	69.75	69.83	69.77	69.79	3.4	2.8	3.6	3.6

Table C.1. GDP and Other Major NIPA Aggregates
 [Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1996) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price indexes		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1984: I	5,402.3	5,313.9	5,452.6	9.0	3.5	70.59	70.67	70.59	70.60	4.9	4.9	4.8	4.7
1984: II	5,493.8	5,410.8	5,544.3	7.0	7.5	71.18	71.25	71.16	71.17	3.4	3.3	3.3	3.3
1984: III	5,541.3	5,456.0	5,591.1	3.5	3.4	71.74	71.72	71.73	71.74	3.2	2.7	3.2	3.2
1984: IV	5,583.1	5,531.0	5,627.1	3.1	5.6	72.24	72.18	72.24	72.25	2.8	2.5	2.9	2.9
1985: I	5,629.7	5,619.8	5,664.3	3.4	6.6	73.01	72.80	73.00	73.01	4.3	3.5	4.3	4.2
1985: II	5,673.8	5,657.0	5,710.9	3.2	2.7	73.49	73.32	73.50	73.50	2.7	2.8	2.7	2.8
1985: III	5,758.6	5,746.0	5,788.6	6.1	6.4	73.88	73.73	73.85	73.86	2.1	2.3	2.0	1.9
1985: IV	5,806.0	5,772.5	5,839.6	3.3	1.9	74.40	74.38	74.39	74.40	2.9	3.6	3.0	3.0
1986: I	5,858.9	5,828.7	5,887.3	3.7	3.9	74.69	74.71	74.68	74.69	1.5	1.8	1.5	1.5
1986: II	5,883.3	5,872.6	5,901.9	1.7	3.1	75.04	74.85	75.05	75.05	1.9	.7	2.0	2.0
1986: III	5,937.9	5,956.0	5,959.0	3.8	5.8	75.51	75.37	75.51	75.51	2.5	2.9	2.5	2.5
1986: IV	5,969.5	5,993.1	5,981.7	2.1	2.5	76.05	75.94	76.01	76.02	2.9	3.0	2.7	2.7
1987: I	6,013.3	5,985.4	6,027.6	3.0	-5	76.73	76.76	76.70	76.71	3.6	4.4	3.7	3.7
1987: II	6,077.2	6,066.8	6,095.8	4.3	5.6	77.27	77.40	77.27	77.27	2.9	3.4	3.0	3.0
1987: III	6,128.1	6,138.7	6,145.8	3.4	4.8	77.83	78.01	77.84	77.84	2.9	3.2	3.0	3.0
1987: IV	6,234.4	6,164.1	6,254.1	7.1	1.7	78.46	78.64	78.46	78.46	3.3	3.3	3.2	3.2
1988: I	6,275.9	6,263.0	6,302.0	2.7	6.6	78.99	79.21	78.99	78.99	2.7	2.9	2.7	2.7
1988: II	6,349.8	6,334.0	6,372.8	4.8	4.6	79.79	80.01	79.79	79.79	4.1	4.1	4.1	4.1
1988: III	6,382.3	6,365.9	6,402.0	2.1	2.0	80.73	80.75	80.71	80.72	4.8	3.8	4.7	4.7
1988: IV	6,465.2	6,447.5	6,487.4	5.3	5.2	81.36	81.46	81.33	81.34	3.2	3.6	3.1	3.1
1989: I	6,543.8	6,492.7	6,565.6	5.0	2.8	82.20	82.36	82.20	82.20	4.2	4.5	4.3	4.3
1989: II	6,579.4	6,542.8	6,599.7	2.2	3.1	83.02	83.26	83.01	83.02	4.0	4.4	4.0	4.0
1989: III	6,610.6	6,605.8	6,633.4	1.9	3.9	83.62	83.74	83.62	83.63	2.9	2.4	2.9	3.0
1989: IV	6,633.5	6,620.4	6,663.4	1.4	.9	84.24	84.43	84.24	84.25	3.0	3.3	3.0	3.0
1990: I	6,716.3	6,705.8	6,743.6	5.1	5.3	85.19	85.48	85.18	85.20	4.6	5.1	4.5	4.6
1990: II	6,731.7	6,697.6	6,760.8	.9	-5	86.17	86.27	86.16	86.17	4.7	3.7	4.7	4.6
1990: III	6,719.4	6,699.2	6,742.6	-7	-1	87.00	87.26	86.99	87.00	3.9	4.7	3.9	3.9
1990: IV	6,664.2	6,660.0	6,713.3	-3.2	-1.1	87.76	88.41	87.74	87.76	3.5	5.3	3.5	3.5
1991: I	6,631.4	6,652.5	6,667.4	-2.0	-1.6	88.78	89.09	88.76	88.78	4.7	3.1	4.8	4.7
1991: II	6,668.5	6,692.5	6,692.1	2.3	2.4	89.41	89.51	89.40	89.41	2.9	1.9	2.9	2.9
1991: III	6,684.9	6,689.2	6,704.7	1.0	-2	89.99	90.04	89.99	90.00	2.6	2.4	2.7	2.6
1991: IV	6,720.9	6,692.0	6,749.4	2.2	.2	90.47	90.60	90.47	90.48	2.2	2.5	2.2	2.2
1992: I	6,783.3	6,788.9	6,811.1	3.8	5.9	91.16	91.25	91.16	91.15	3.1	2.9	3.1	3.0
1992: II	6,846.8	6,827.1	6,873.8	3.8	2.3	91.68	91.81	91.67	91.67	2.3	2.5	2.3	2.3
1992: III	6,899.7	6,882.7	6,923.3	3.1	3.3	91.98	92.26	91.97	91.97	1.3	2.0	1.3	1.3
1992: IV	6,990.6	6,972.4	7,015.1	5.4	5.3	92.56	92.81	92.55	92.55	2.5	2.4	2.5	2.5
1993: I	6,988.7	6,953.6	7,020.9	-1	-1.1	93.33	93.42	93.32	93.32	3.4	2.7	3.4	3.4
1993: II	7,031.2	7,008.8	7,056.0	2.5	3.2	93.83	93.98	93.82	93.83	2.2	2.4	2.2	2.2
1993: III	7,062.0	7,057.9	7,092.4	1.8	2.8	94.26	94.32	94.24	94.26	1.8	1.5	1.8	1.8
1993: IV	7,168.7	7,154.8	7,182.1	6.2	5.6	94.79	94.83	94.79	94.81	2.3	2.2	2.4	2.4
1994: I	7,229.4	7,187.1	7,249.8	3.4	1.8	95.28	95.22	95.28	95.29	2.1	1.7	2.0	2.1
1994: II	7,330.2	7,250.2	7,346.3	5.7	3.6	95.72	95.74	95.71	95.73	1.8	2.2	1.8	1.8
1994: III	7,370.2	7,318.5	7,385.1	2.2	3.8	96.29	96.43	96.28	96.29	2.4	2.9	2.4	2.4
1994: IV	7,461.1	7,387.2	7,476.0	5.0	3.8	96.74	96.86	96.74	96.74	1.9	1.8	1.9	1.9
1995: I	7,488.7	7,427.3	7,510.2	1.5	2.2	97.45	97.51	97.45	97.45	3.0	2.7	3.0	3.0
1995: II	7,503.3	7,469.6	7,528.6	.8	2.3	97.86	98.04	97.86	97.87	1.7	2.2	1.7	1.7
1995: III	7,561.4	7,549.7	7,572.3	3.1	4.4	98.31	98.42	98.30	98.31	1.8	1.6	1.8	1.8
1995: IV	7,621.9	7,602.5	7,645.2	3.2	2.8	98.79	98.85	98.78	98.79	2.0	1.8	2.0	2.0
1996: I	7,676.4	7,669.6	7,703.1	2.9	3.6	99.40	99.42	99.39	99.39	2.5	2.3	2.5	2.5
1996: II	7,802.9	7,773.4	7,820.4	6.8	5.5	99.74	99.74	99.74	99.74	1.4	1.3	1.4	1.4
1996: III	7,841.9	7,792.1	7,853.5	2.0	1.0	100.23	100.16	100.22	100.22	2.0	1.7	1.9	1.9
1996: IV	7,931.3	7,897.6	7,947.9	4.6	5.5	100.63	100.68	100.63	100.63	1.6	2.1	1.7	1.6
1997: I	8,016.4	7,966.4	8,025.4	4.4	3.5	101.36	101.28	101.34	101.33	2.9	2.4	2.9	2.8
1997: II	8,131.9	8,043.2	8,145.6	5.9	3.9	101.82	101.49	101.82	101.80	1.9	.8	1.9	1.8
1997: III	8,216.6	8,164.9	8,225.1	4.2	6.2	102.12	101.74	102.12	102.10	1.2	1.0	1.2	1.2
1997: IV	8,272.9	8,206.3	8,276.9	2.8	2.0	102.49	102.07	102.49	102.46	1.4	1.3	1.4	1.4
1998: I	8,396.3	8,286.6	8,405.4	6.1	4.0	102.76	102.09	102.76	102.73	1.1	.1	1.1	1.1
1998: II	8,442.9	8,397.2	8,448.7	2.2	5.4	103.02	102.26	103.01	102.98	1.0	.7	1.0	1.0
1998: III	8,528.5	8,454.9	8,517.6	4.1	2.8	103.38	102.54	103.38	103.34	1.4	1.1	1.4	1.4
1998: IV	8,667.9	8,588.5	8,662.0	6.7	6.5	103.66	102.84	103.65	103.62	1.1	1.2	1.1	1.1
1999: I	8,733.2	8,654.3	8,755.5	3.0	3.1	104.12	103.19	104.12	104.08	1.8	1.4	1.8	1.8
1999: II	8,775.5	8,741.0	8,801.8	2.0	4.1	104.52	103.72	104.51	104.48	1.5	2.1	1.5	1.5
1999: III	8,886.9	8,833.6	8,906.4	5.2	4.3	104.84	104.21	104.83	104.80	1.2	1.9	1.2	1.2
1999: IV	9,040.1	8,946.6	9,071.1	7.1	5.2	105.28	104.77	105.27	105.24	1.7	2.2	1.7	1.7
2000: I	9,097.4	9,042.9	9,119.7	2.6	4.4	106.08	105.72	106.07	106.04	3.1	3.7	3.1	3.1
2000: II	9,205.7	9,111.1	9,233.0	4.8	3.1	106.69	106.30	106.68	106.64	2.3	2.2	2.3	2.3
2000: III	9,218.7	9,150.4	9,238.2	.6	1.7	107.13	106.87	107.12	107.08	1.6	2.2	1.6	1.7
2000: IV	9,243.8	9,179.8	9,274.0	1.1	1.3	107.68	107.43	107.68	107.64	2.1	2.1	2.1	2.1
2001: I	9,229.9	9,243.8	9,241.7	-6	2.8	108.66	108.30	108.65	108.62	3.7	3.3	3.7	3.7
2001: II	9,193.1	9,234.3	9,224.3	-1.6	-4	109.32	108.76	109.32	109.29	2.5	1.7	2.5	2.5
2001: III	9,186.4	9,230.5	9,199.8	-3	-2	109.92	108.72	109.92	109.89	2.2	-2	2.2	2.2
2001: IV	9,248.8	9,324.9	9,283.5	2.7	4.2	109.78	108.84	109.78	109.74	-5	.4	-5	-5
2002: I	9,363.2	9,379.4	9,367.5	5.0	2.4	110.14	109.15	110.14	110.11	1.3	1.2	1.3	1.4
2002: II	9,392.4	9,377.9	9,376.7	1.3	-1	110.48	109.77	110.48	110.45	1.2	2.3	1.2	1.2
2002: III	9,485.6	9,457.2	9,477.9	4.0	3.4	110.76	110.11	110.76	110.73	1.0	1.2	1.0	1.0
2002: IV	9,518.2	9,483.1	9,512.1	1.4	1.1	111.25	110.59	111.25	111.22	1.8	1.8	1.8	1.8
2003: I	9,552.0	9,536.2	9,544.7	1.4	2.3	111.90	111.53	111.90	111.88	2.4	3.4	2.4	2.4
2003: II	9,629.4	9,631.1	9,628.0	3.3	4.0	112.18	111.62	112.18	112.16	1.0	.4	1.0	1.0
2003: III	9,797.2	9,814.7	.....	7.2	7.8	112.67	.....	112.67	.....	1.7	1.9	1.7	.....

D. Domestic Perspectives

This table presents data collected from other government agencies and private organizations, as noted. Quarterly data are shown in the middle month of the quarter.

Table D.1. Domestic Perspectives

	2001	2002	2002				2003								
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Consumer and producer prices (monthly data seasonally adjusted) ¹															
Consumer price index for all urban consumers, 1982-84=100:															
All items	177.1	179.9	180.9	181.2	181.4	181.6	182.2	183.3	183.9	183.3	183.3	183.6	183.9	184.5	185.0
Commodities	150.7	149.7	150.3	150.4	150.3	150.0	150.5	152.2	152.8	151.3	150.2	150.5	150.7	151.5	152.1
Services	203.4	209.8	211.2	211.8	212.3	212.9	213.6	214.1	214.9	215.1	216.1	216.4	216.9	217.3	217.8
All items less food and energy	186.1	190.5	191.4	191.6	191.8	192.1	192.3	192.5	192.5	192.5	193.0	193.0	193.4	193.6	193.7
Food	173.1	176.2	176.4	176.6	177.0	177.3	177.0	178.2	178.5	178.3	178.9	179.7	179.8	180.4	180.8
Energy	129.3	121.7	124.4	126.2	125.6	125.1	130.1	137.8	144.2	137.5	133.3	134.4	135.0	138.7	142.9
Producer price index, 1982=100:															
Finished goods	140.7	138.9	139.0	140.1	139.7	139.3	141.2	142.8	144.8	142.4	141.8	142.6	142.8	143.4	143.8
Consumer goods	141.5	139.4	139.6	141.0	140.5	140.1	142.5	144.8	147.2	144.2	143.4	144.4	144.5	145.3	145.8
Capital equipment	139.7	139.1	139.0	139.3	139.1	138.8	139.2	139.0	139.8	139.0	139.1	139.2	139.7	139.8	139.7
Less food and energy	150.0	150.2	150.2	150.7	150.5	149.6	150.1	149.9	150.9	149.9	150.1	150.0	150.3	150.5	150.5
Intermediate materials	129.7	127.8	128.9	129.8	129.7	129.6	131.2	133.8	136.6	133.4	132.5	133.1	133.3	134.0	133.8
Less food and energy	136.4	135.8	136.4	136.7	136.8	136.7	137.2	138.2	138.7	138.4	138.4	138.4	138.3	138.5	138.7
Crude materials	121.0	108.1	110.2	112.6	116.8	119.1	128.2	134.9	152.4	128.3	130.1	136.1	132.1	130.3	134.7
Less energy	130.7	135.7	139.2	139.6	141.5	141.8	143.6	148.5	148.1	146.4	145.4	144.5	145.6	151.0	154.5
Money, interest rates, and stock prices															
Money stock (monthly and quarterly data seasonally adjusted): ²															
Percent change:															
M1			0.57	0.96	-0.03	0.68	0.21	1.68	0.29	0.03	1.69	1.10	0.46	0.61	0.16
M2			0.45	0.67	0.70	0.26	0.50	0.91	0.21	0.40	1.51	0.81	0.84	0.70	-0.36
Ratio:															
Gross domestic product to M1	8.867	8.769			8.787			8.705			8.601		1.512	1.512	8.598
Personal income to M2	1.664	1.589	1.576	1.566	1.559	1.562	1.556	1.546	1.546	1.543	1.526	1.520	1.512	1.506	1.516
Interest rates (percent, not seasonally adjusted): ²															
Prime rate charged by banks	6.92	4.68	4.75	4.75	4.35	4.25	4.25	4.25	4.25	4.25	4.25	4.22	4.00	4.00	4.00
3-month Treasury bills, secondary market	3.39	1.60	1.63	1.58	1.23	1.19	1.17	1.17	1.13	1.13	1.07	0.92	0.90	0.95	0.94
3-Year U.S. Treasury bonds	4.08	3.10	2.32	2.25	2.23	2.23	2.18	2.05	1.98	2.06	1.75	1.51	1.93	2.44	2.23
10-Year U.S. Treasury bonds	5.02	4.61	3.87	3.94	4.05	4.03	4.05	3.90	3.81	3.96	3.57	3.33	3.98	4.45	4.27
Federal funds rate	3.89	1.67	1.75	1.75	1.34	1.24	1.24	1.26	1.25	1.26	1.26	1.22	1.01	1.03	1.01
New home mortgages	6.97	6.54	6.09	6.11	6.07	6.05	5.92	5.84	5.75	5.81	5.48	5.23	5.63	6.26	6.15
Index of stock prices (not seasonally adjusted): ³															
500 common stocks, 1941-43=10	1,194.18	993.94	867.81	854.63	909.93	899.18	895.84	837.62	846.62	890.03	935.96	988.00	992.54	989.53	1,019.44
Labor markets (thousands, monthly and quarterly data seasonally adjusted, unless otherwise noted) ¹															
Civilian labor force	143,734	144,863	145,634	145,393	145,180	145,150	145,838	145,857	145,793	146,473	146,485	147,096	146,540	146,530	146,545
Labor force participation rates (percent):															
Total	66.8	66.6	66.8	66.6	66.4	66.4	66.3	66.3	66.2	66.4	66.4	66.6	66.2	66.2	66.1
Males, age 20 and over	76.5	76.3	76.6	76.3	76.0	75.9	75.8	76.0	75.9	76.1	76.0	76.1	75.9	75.7	76.0
Females, age 20 and over	60.6	60.5	60.6	60.6	60.5	60.6	60.7	60.5	60.6	60.7	61.0	60.7	60.7	60.6	60.3
Both sexes, age 16-19	49.6	47.4	48.1	47.2	47.0	46.3	46.0	45.5	44.1	45.0	45.1	44.3	44.3	43.9	43.9
Civilian employment	136,933	136,485	137,312	136,988	136,542	136,439	137,536	137,408	137,348	137,687	137,487	137,738	137,478	137,625	137,573
Ratio, civilian employment to working-age population (percent)	63.7	62.7	63.0	62.7	62.5	62.4	62.5	62.4	62.3	62.4	62.3	62.3	62.1	62.1	62.0
Employees on nonagricultural payrolls			130,289	130,408	130,409	130,198	130,356	130,235	130,084	130,062	129,986	129,903	129,846	129,805	129,862
Goods-producing industries			22,497	22,435	22,409	22,323	22,288	22,191	22,159	22,119	22,098	22,061	22,001	21,972	21,955
Services-producing industries			107,792	107,973	108,000	107,875	108,068	108,044	107,925	107,943	107,888	107,842	107,845	107,833	107,907
Hours of production workers:															
Average weekly hours, total private sector	34.0	33.9	33.9	33.8	33.8	33.8	33.7	33.7	33.8	33.7	33.7	33.7	33.6	33.7	33.7
Average weekly hours, manufacturing	40.3	40.5	40.5	40.3	40.4	40.5	40.4	40.4	40.4	40.1	40.2	40.3	40.1	40.2	40.4
Average weekly overtime hours, manufacturing	4.0	4.2	4.2	4.2	4.3	4.3	4.4	4.3	4.1	4.0	4.1	4.0	4.1	4.0	4.2
Number of persons unemployed	6,801	8,378	8,321	8,405	8,637	8,711	8,302	8,450	8,445	8,786	8,998	9,358	9,062	8,905	8,973
Unemployment rates (percent):															
Total	4.7	5.8	5.7	5.8	5.9	6.0	5.7	5.8	5.8	6.0	6.1	6.4	6.2	6.1	6.1
Males, age 20 and over	4.2	5.3	5.3	5.4	5.6	5.6	5.4	5.3	5.3	5.6	5.9	6.1	5.9	5.8	5.7
Females, age 20 and over	4.1	5.1	5.0	5.2	5.0	5.2	4.7	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3
Both sexes, age 16-19	14.7	16.5	16.2	15.1	16.8	16.4	16.8	17.1	17.7	18.0	18.5	19.3	18.4	16.6	17.5
15 weeks and over	1.2	2.0	2.1	2.1	2.2	2.3	2.2	2.2	2.1	2.2	2.2	2.4	2.5	2.4	2.4
Average weeks unemployed	13.1	16.6	17.8	17.6	17.9	18.4	18.4	18.6	18.0	19.6	19.2	19.8	19.3	19.0	19.7
Median weeks unemployed	6.8	9.1	9.5	9.6	9.4	9.6	9.8	9.4	9.6	10.2	10.1	12.3	10.0	9.6	10.1
Productivity and costs, nonfarm business sector, 1992=100:															
Indexes:															
Output per hour of all persons	118.3	124.7			126.0			126.7			128.8				
Unit labor costs	116.5	113.6			113.3			113.8			113.0				
Hourly compensation	137.8	141.7			142.8			144.2			145.6				
Percent change from preceding period, annual rate:															
Output per hour	1.9	5.4			1.7			2.1			6.8				
Unit labor costs	1.7	-2.4			-0.1			2.0			-2.8				
Real hourly compensation	0.8	1.2			-0.4			0.2			3.2				

See footnotes at end of table.

Table D.1. Domestic Perspectives—Continued

	2001	2002	2002				2003								
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Construction (monthly data seasonally adjusted at annual rates) ⁴															
New construction put in place (billions of dollars):	852.6	860.9	854.9	861.9	870.0	872.1	883.2	876.5	875.2	871.9	871.9	878.8	892.6	898.8	910.6
Private construction:	652.5	650.5	641.5	651.1	656.4	658.2	667.6	665.1	668.8	662.8	660.9	661.5	674.3	678.9	690.6
Residential buildings:	388.3	421.5	425.7	429.9	434.4	441.5	450.0	448.5	447.1	443.9	444.9	444.4	457.1	465.0	471.4
Other:	264.2	229.0	215.8	221.2	222.0	216.8	217.6	216.5	221.6	218.9	216.1	217.1	217.2	213.9	219.2
Public construction:	200.1	210.4	213.3	210.8	213.6	213.8	215.6	211.4	206.5	209.1	210.9	217.2	218.3	220.0	220.0
Housing starts (thousands of units):															
Total:	1,603	1,705	1,810	1,653	1,780	1,815	1,828	1,640	1,742	1,627	1,745	1,844	1,890	1,826	1,888
1-unit structures:	1,273	1,359	1,449	1,366	1,403	1,462	1,509	1,312	1,393	1,357	1,389	1,499	1,533	1,474	1,520
New 1-family houses sold (thousands of units):	908	973	1,057	1,005	1,022	1,052	1,009	935	1,008	1,004	1,081	1,200	1,134	1,147	1,145
Manufacturing and trade, inventories and sales (millions of dollars, monthly data seasonally adjusted) ⁴															
Inventories:															
Total manufacturing and trade:			1,158,420	1,160,224	1,163,611	1,169,352	1,172,045	1,179,647	1,183,281	1,183,557	1,179,925	1,180,343	1,178,142	1,173,218	
Manufacturing:			443,595	443,545	442,499	444,186	444,220	446,088	445,180	445,207	444,049	442,666	440,767	439,707	
Retail trade:			427,879	430,960	434,693	436,317	439,120	443,879	447,163	448,258	446,914	448,758	446,314	444,922	
Merchant wholesalers:			286,946	285,719	286,419	288,847	288,705	289,680	290,938	290,092	288,962	288,919	289,061	288,589	
Sales:															
Total manufacturing and trade:	9,832,480	9,888,161	828,912	833,517	835,360	834,194	844,999	837,850	851,680	836,843	838,547	849,696	863,732	861,854	
Manufacturing:	3,970,499	3,891,753	326,165	329,349	326,527	323,362	329,665	325,591	330,764	322,608	323,920	328,643	337,248	331,254	
Retail trade:	3,153,315	3,245,407	270,435	271,703	273,570	277,100	278,356	274,066	280,369	279,601	280,578	283,318	287,565	290,658	
Merchant wholesalers:	2,708,666	2,751,001	232,312	232,465	235,263	233,732	236,978	238,193	240,547	234,634	234,049	237,735	238,919	239,942	
Inventory-sales ratio:															
Total manufacturing and trade:			1.40	1.39	1.39	1.40	1.39	1.41	1.39	1.41	1.41	1.39	1.36	1.36	
Manufacturing:			1.36	1.35	1.36	1.37	1.35	1.37	1.35	1.38	1.37	1.35	1.31	1.33	
Retail trade:			1.58	1.59	1.59	1.57	1.58	1.62	1.59	1.60	1.59	1.58	1.56	1.53	
Merchant wholesalers:			1.24	1.23	1.22	1.24	1.22	1.22	1.21	1.24	1.23	1.22	1.21	1.20	
Industrial production indexes and capacity utilization rates (monthly data seasonally adjusted) ²															
Industrial production indexes, 1997=100:															
Total:	111.5	111.2	114.0	112.2	109.9	108.9	110.4	111.3	111.2	108.7	108.8	111.6	108.4	113.2	113.5
Final products:	98.4	98.8	97.9	103.6	98.7	95.4	91.5	95.8	92.1	100.5	92.6	93.5	90.3	87.2	96.4
Consumer goods:	105.9	106.4	109.2	107.8	105.2	104.5	109.0	109.1	107.5	103.1	102.8	105.2	101.3	108.0	107.4
Business equipment:	117.6	113.5	111.3	110.3	108.8	107.2	107.6	110.0	110.9	108.7	108.9	111.2	106.4	111.4	112.6
Nonindustrial supplies:	83.2	90.0	98.9	100.7	87.7	65.3	87.7	86.8	85.5	79.5	81.9	79.9	49.3	73.5	80.6
Materials:	114.6	114.8	118.5	116.3	114.4	113.0	113.2	115.0	115.7	113.6	113.8	117.0	113.3	117.6	118.4
Capacity utilization rates (percent):															
Total industry:	77.4	75.6	75.7	75.4	75.4	74.9	75.2	75.4	74.8	74.2	74.1	74.0	74.5	74.5	74.8
Manufacturing:	75.4	73.9	74.2	73.7	73.6	73.1	73.6	73.5	73.3	72.7	72.6	72.7	73.0	72.8	73.3
Credit market borrowing (billions of dollars, quarterly data seasonally adjusted at annual rates) ²															
All sectors, by instrument:															
Total:	1,998.7	2,304.3			2,642.7			2,264.4			3,347.2				
Open market paper:	-164.4	-98.2			-53.3			96.3			-107.5				
U.S. government securities:	623.8	811.5			814.9			531.9			1,348.6				
Municipal securities:	122.9	160.8			216.1			90.3			189.4				
Corporate and foreign bonds:	633.3	515.2			768.6			581.7			713.7				
Bank loans, n.e.c.:	-76.2	-80.6			-126.1			-102.0			-74.3				
Other loans and advances:	32.9	36.7			-20.9			90.1			66.7				
Mortgages:	700.4	879.6			1,050.6			883.2			1,144.3				
Consumer credit:	126.0	79.2			-7.1			93.0			66.2				

Sources:

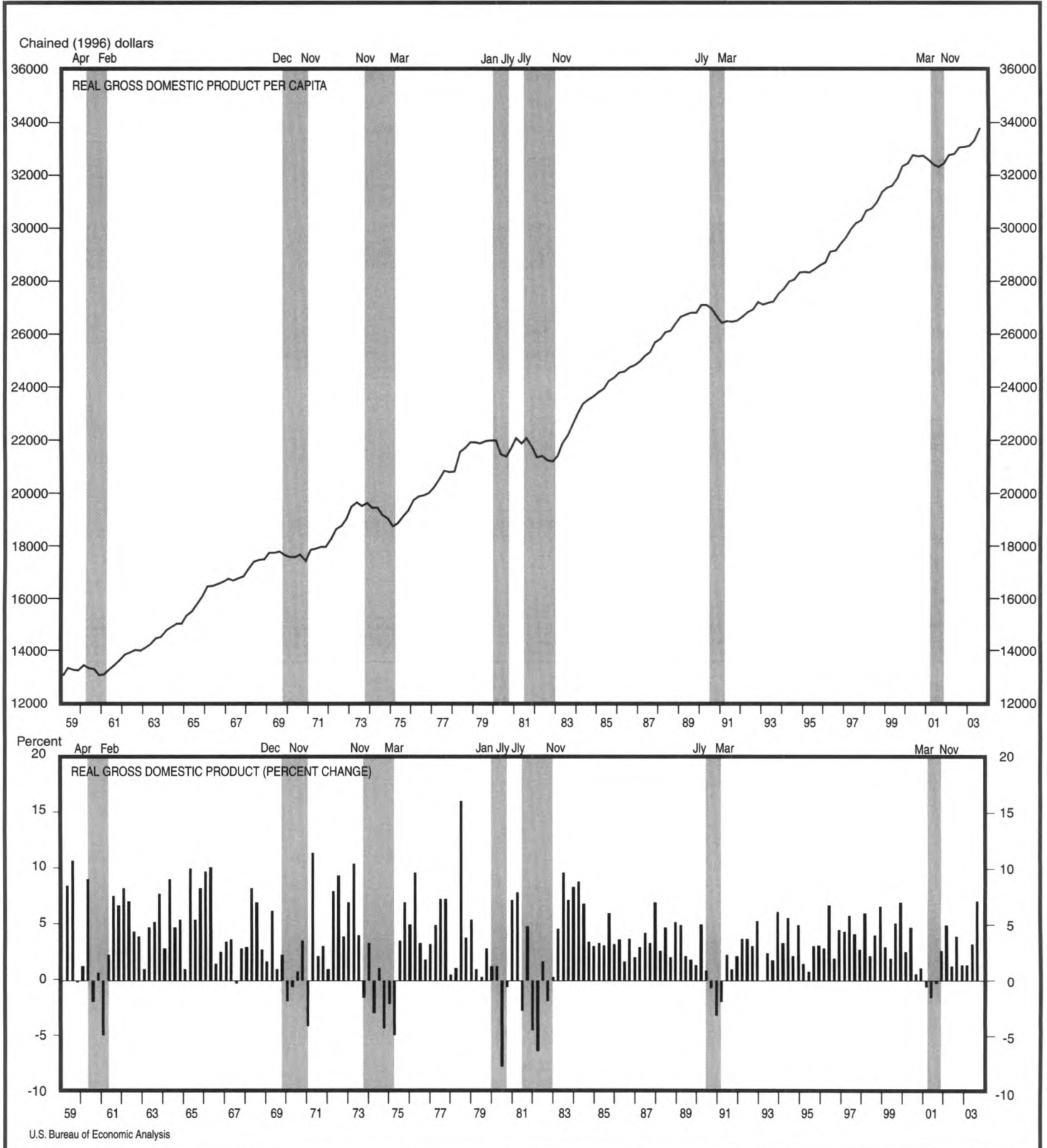
1. Bureau of Labor Statistics
2. Federal Reserve Board

3. Standard and Poor's, Inc.
4. Bureau of the Census
n.e.c. Not elsewhere classified

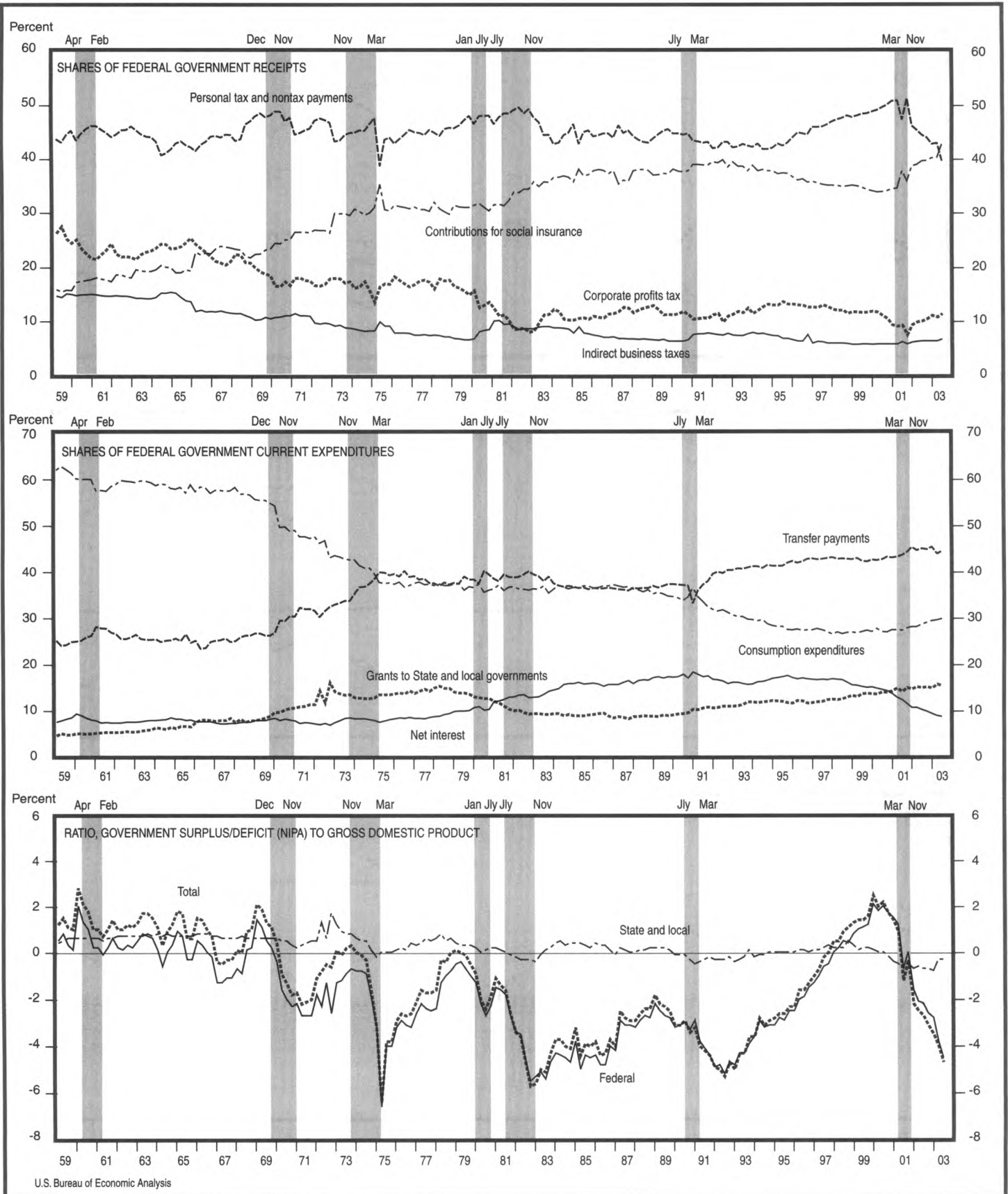
E. Charts

Percent changes shown in this section are based on quarter-to-quarter changes and are expressed at seasonally adjusted annual rates; likewise, levels of series are expressed at seasonally adjusted annual rates as appropriate.

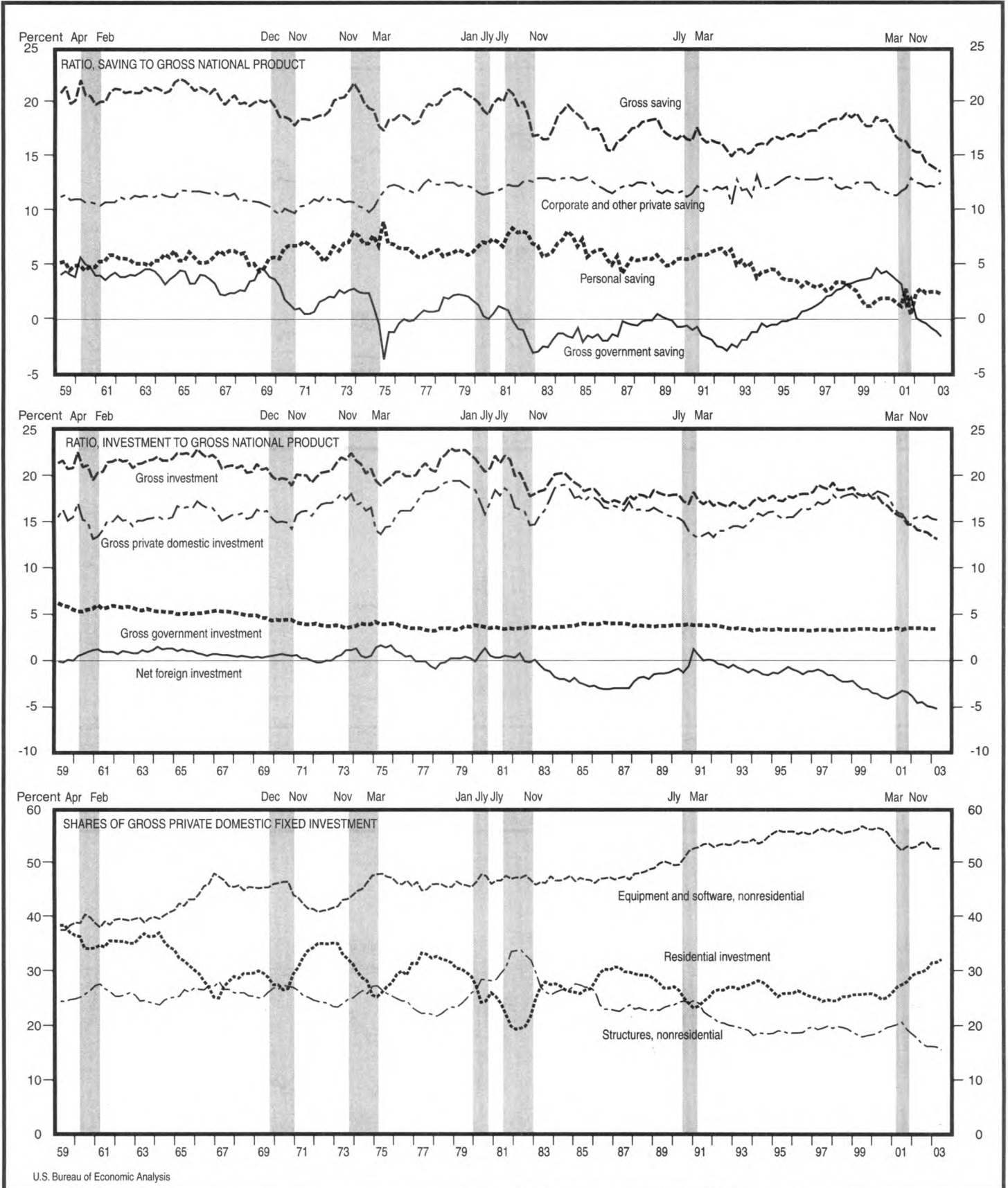
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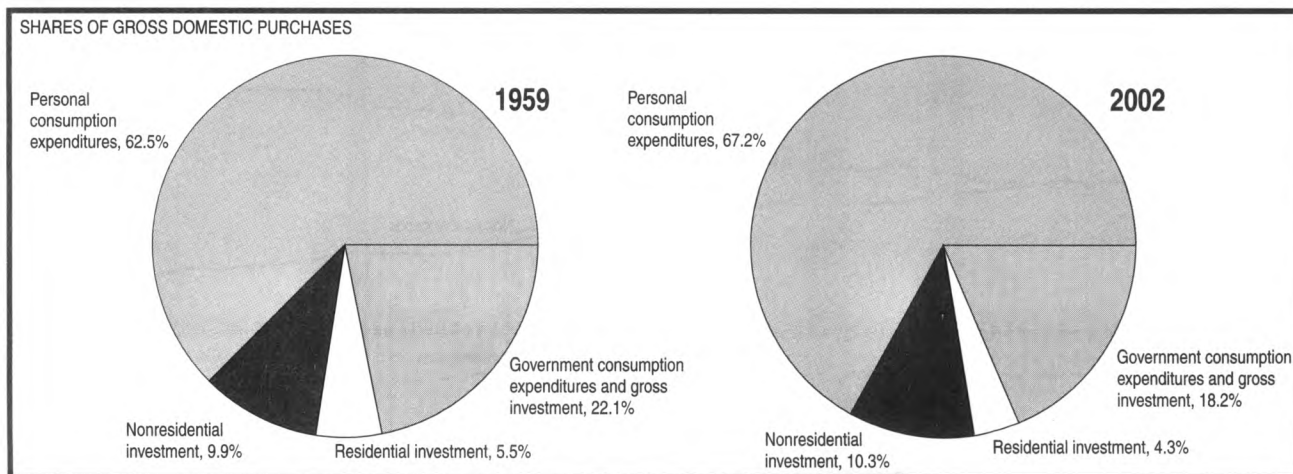
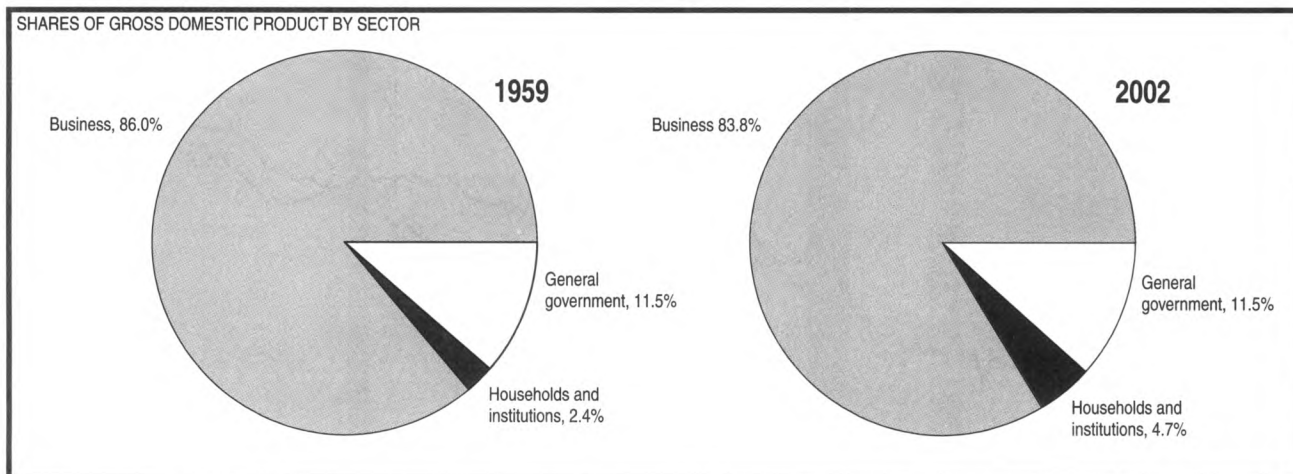
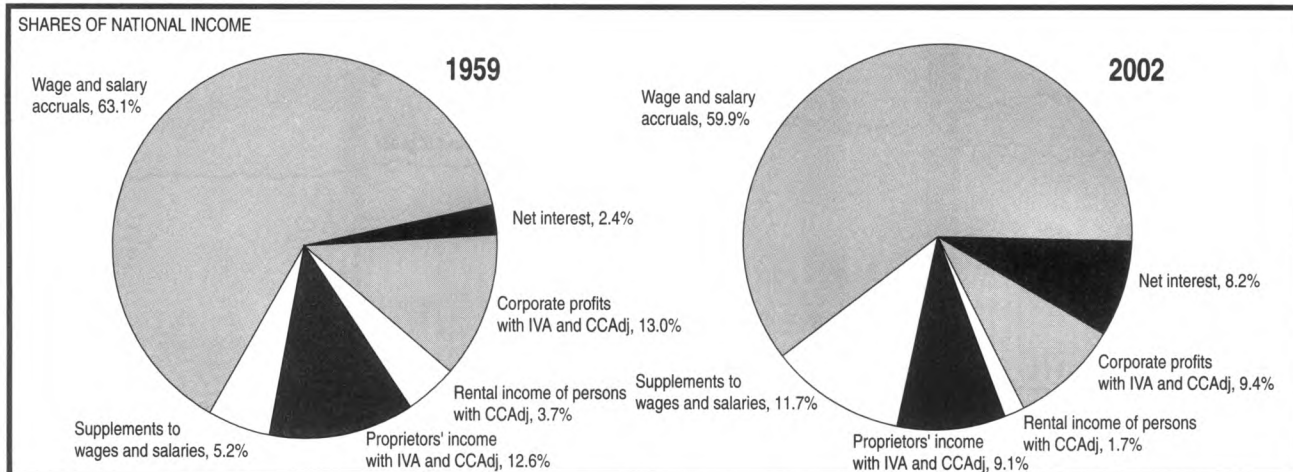
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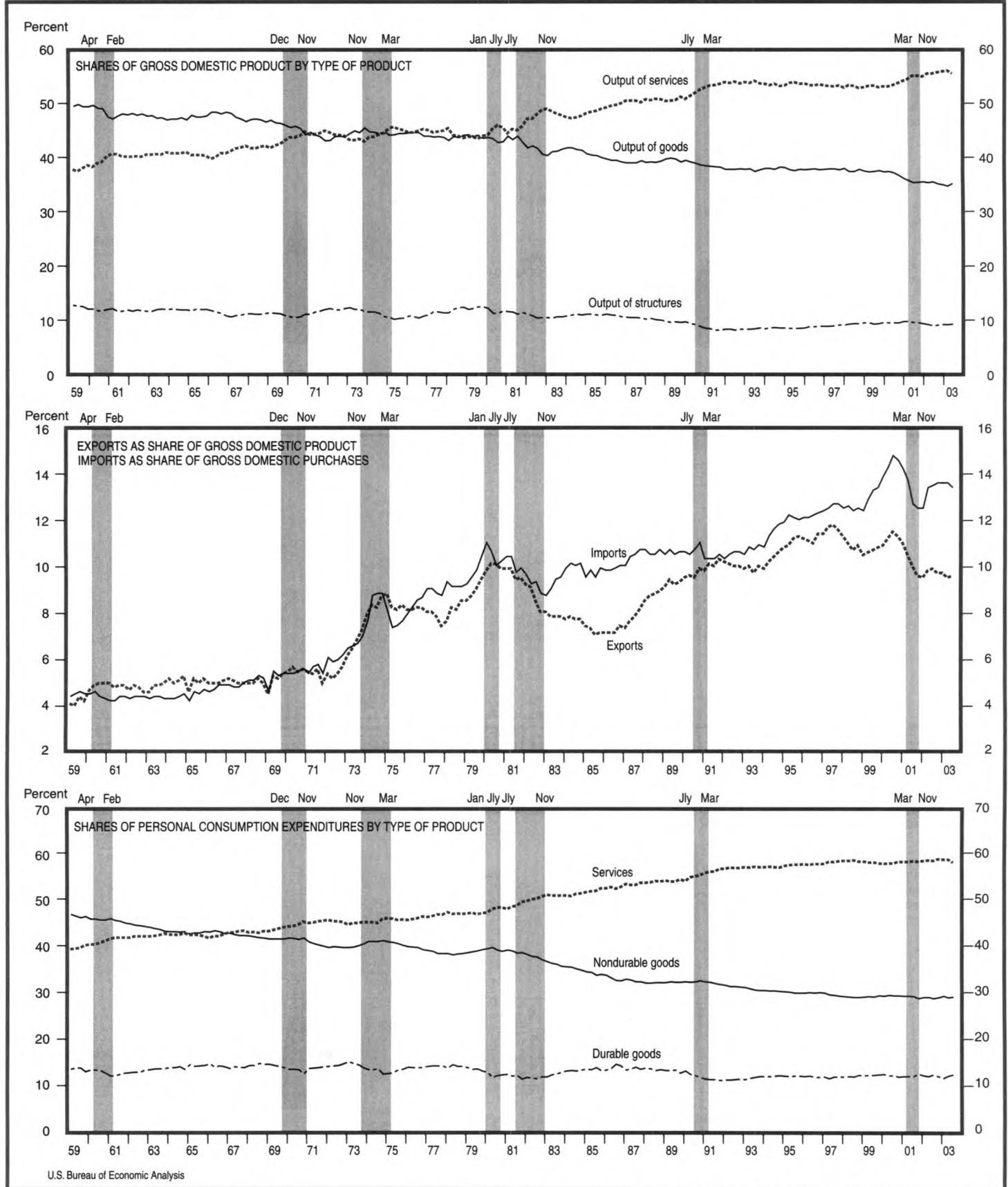


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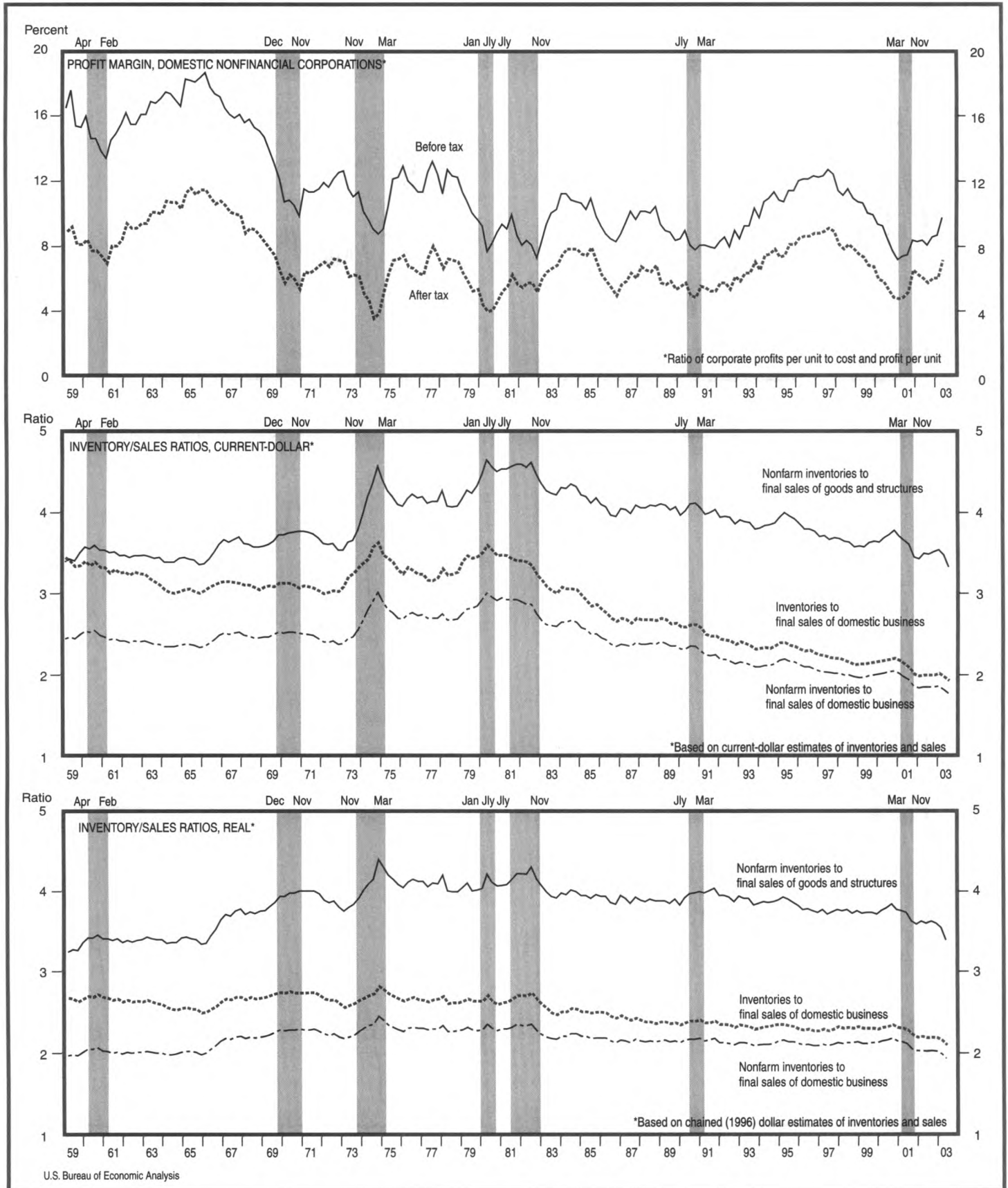
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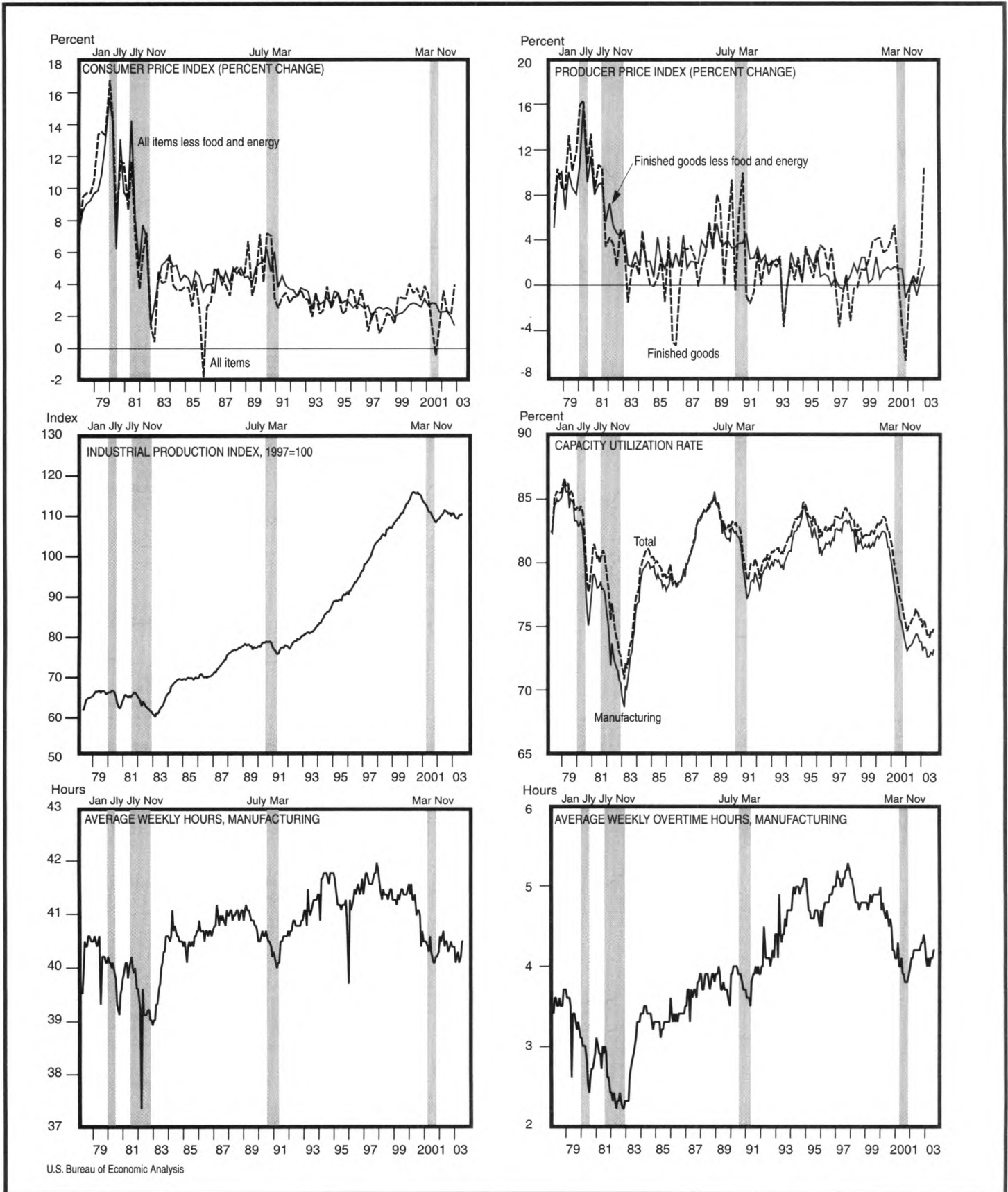


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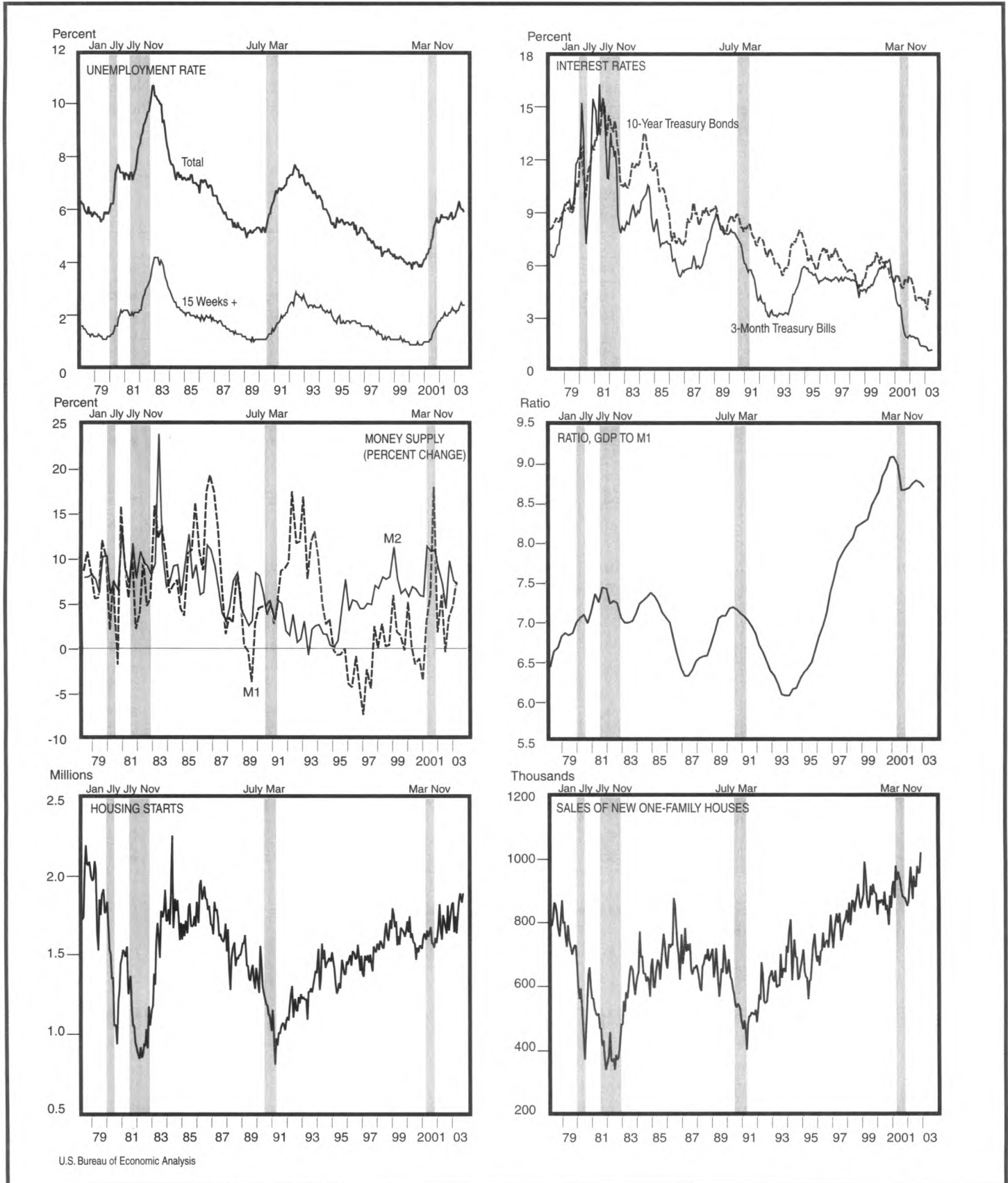
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OTHER INDICATORS OF THE DOMESTIC ECONOMY



OTHER INDICATORS OF THE DOMESTIC ECONOMY



International Data

F. Transactions Tables

Table F.1 contains estimates of U.S. international trade in goods and services that were released on November 13, 2003, including "revised" estimates for August 2003 and "preliminary" estimates for September 2003. The sources for the other tables in this section are as noted.

Table F.1. U.S. International Transactions in Goods and Services

(Millions of dollars; monthly estimates seasonally adjusted)

	2001	2002	2002					2003								
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug. [†]	Sept. [‡]
Exports of goods and services	1,007,580	974,107	82,566	82,294	82,159	82,917	81,075	82,055	82,688	82,634	81,280	82,466	84,459	86,012	83,794	86,160
Goods	718,712	681,874	57,870	57,807	57,301	57,785	55,774	57,143	57,907	58,296	57,230	57,761	59,256	60,353	57,678	59,827
Foods, feeds, and beverages	49,407	49,616	4,114	4,064	3,888	4,309	4,355	4,355	4,358	4,333	4,294	4,248	4,427	4,571	4,313	4,570
Industrial supplies and materials	160,104	156,837	13,360	13,306	13,234	13,549	13,625	14,095	13,995	14,432	14,230	14,279	14,483	14,839	14,038	14,123
Capital goods, except automotive	321,714	290,496	24,727	24,809	24,511	24,369	22,461	22,966	24,138	23,656	23,027	23,313	24,156	24,754	23,936	24,704
Automotive vehicle, parts, and engines.....	75,435	78,942	6,768	6,689	6,653	6,497	6,483	6,642	6,651	6,661	6,640	6,755	6,552	6,811	6,114	6,745
Consumer goods (nonfood), except automotive.....	88,331	84,359	7,049	7,070	7,149	7,185	6,973	7,323	6,994	7,303	7,171	7,177	7,688	7,546	7,451	7,725
Other goods	34,110	32,854	2,859	2,725	2,854	2,783	2,784	2,508	2,629	2,882	2,894	2,877	2,835	2,687	2,742	2,722
Adjustments ¹	-10,388	-11,229	-1,007	-856	-989	-927	-907	-747	-857	-973	-1,026	-888	-885	-855	-916	-762
Services	288,868	292,233	24,696	24,487	24,858	25,152	25,301	24,912	24,781	24,338	24,050	24,705	25,203	25,659	26,116	26,333
Travel.....	71,893	66,547	5,460	5,429	5,855	6,059	6,091	5,632	5,508	4,949	4,593	5,069	5,240	5,481	5,637	5,631
Passenger fares.....	17,926	17,046	1,527	1,374	1,421	1,420	1,414	1,301	1,272	1,163	1,153	1,261	1,354	1,479	1,548	1,543
Other transportation.....	28,442	29,166	2,491	2,412	2,474	2,575	2,633	2,612	2,581	2,644	2,635	2,590	2,685	2,629	2,586	2,607
Royalties and license fees.....	41,098	44,142	3,801	3,790	3,698	3,707	3,752	3,847	3,882	3,901	3,874	3,880	3,889	3,906	3,917	3,927
Other private services.....	116,139	122,594	10,220	10,213	10,300	10,383	10,339	10,472	10,542	10,696	10,740	10,839	10,931	11,059	11,201	11,376
Transfers under U.S. military agency sales contracts.....	12,539	11,943	1,130	1,203	1,042	941	1,006	980	929	918	988	999	1,036	1,038	1,159	1,182
U.S. Government miscellaneous services.....	831	795	67	66	68	67	66	68	67	67	67	67	68	67	68	67
Imports of goods and services	1,365,399	1,392,145	118,815	118,957	117,314	121,545	123,406	122,089	121,304	125,613	123,147	124,080	124,494	126,043	123,311	127,432
Goods	1,145,927	1,164,746	99,940	99,745	97,949	101,911	103,220	102,001	101,560	105,803	103,589	104,415	104,331	105,385	102,398	106,307
Foods, feeds, and beverages	46,641	49,687	4,216	4,152	4,094	4,395	4,503	4,534	4,417	4,630	4,671	4,612	4,462	4,586	4,536	4,796
Industrial supplies and materials	273,870	267,681	23,557	23,504	24,528	23,836	24,262	25,030	25,983	28,421	26,101	25,608	25,929	26,768	26,808	26,965
Capital goods, except automotive	297,993	283,323	23,742	23,783	22,342	24,393	24,694	24,463	23,230	23,222	24,070	24,472	24,413	24,465	24,047	25,479
Automotive vehicle, parts, and engines.....	189,782	203,743	17,416	17,658	17,074	17,591	17,682	16,974	16,831	17,337	16,877	17,791	18,232	17,969	15,574	17,228
Consumer goods (nonfood), except automotive.....	284,293	307,854	26,671	26,198	25,508	27,460	27,694	26,929	26,896	28,010	27,683	27,712	26,673	27,288	27,174	27,565
Other goods	48,421	49,078	4,041	4,137	4,080	3,950	4,158	3,877	3,997	3,934	3,922	3,870	4,154	4,105	3,794	3,963
Adjustments ¹	4,928	3,380	297	313	322	286	228	195	207	249	266	350	468	203	466	311
Services	219,472	227,399	18,875	19,212	19,365	19,634	20,186	20,088	19,744	19,810	19,558	19,665	20,163	20,658	20,913	21,125
Travel.....	60,200	58,044	4,567	4,941	4,823	4,979	5,223	5,012	4,745	4,411	4,096	4,308	4,610	4,794	5,030	5,088
Passenger fares.....	22,633	19,969	1,597	1,580	1,889	1,698	1,805	1,727	1,657	1,576	1,537	1,605	1,778	1,881	1,989	2,007
Other transportation.....	38,682	38,527	3,287	3,204	3,242	3,456	3,573	3,594	3,484	3,795	3,853	3,669	3,660	3,755	3,657	3,713
Royalties and license fees.....	16,713	19,258	1,689	1,669	1,539	1,520	1,533	1,553	1,565	1,580	1,603	1,613	1,619	1,626	1,627	1,633
Other private services.....	63,387	69,436	5,828	5,885	5,927	6,009	6,047	6,132	6,174	6,218	6,177	6,236	6,273	6,376	6,377	6,443
Direct defense expenditures	14,975	19,245	1,665	1,692	1,701	1,729	1,763	1,822	1,870	1,982	2,042	1,985	1,973	1,977	1,983	1,990
U.S. Government miscellaneous services.....	2,882	2,920	242	241	244	243	242	248	249	248	250	249	250	249	250	251
Memoranda:																
Balance on goods	-427,215	-482,872	-42,070	-41,938	-40,647	-44,147	-47,447	-44,859	-43,654	-47,507	-46,359	-46,654	-45,076	-45,032	-44,721	-46,480
Balance on services.....	69,396	64,834	5,821	5,275	5,493	5,518	5,115	4,824	5,037	4,528	4,492	5,040	5,040	5,001	5,203	5,208
Balance on goods and services.....	-357,819	-418,038	-36,249	-36,663	-35,154	-38,629	-42,332	-40,035	-38,617	-42,979	-41,867	-41,614	-40,036	-40,031	-39,518	-41,272

‡ Preliminary.

† Revised.

1. Reflects adjustments necessary to bring the Census Bureau's component data in line with the concepts and definitions used to prepare BEA's international and national accounts.

2. Contains goods that cannot be separately identified.

Source: U.S. Bureau of Economic Analysis and U.S. Bureau of the Census.

Table F.2. U.S. International Transactions

[Millions of dollars]

Line	(Credits +; debits -) ¹	Not seasonally adjusted								Seasonally adjusted					
		2002				2003				2002				2003	
		I	II	III	IV	I ^r	II ^p	I	II	III	IV	I ^r	II ^p		
Current account															
1	Exports of goods and services and income receipts	1,229,649	294,947	310,189	312,767	311,746	307,576	313,376	297,074	307,616	313,939	311,015	310,278	311,002	
2	Exports of goods and services	974,107	233,613	245,704	245,866	248,924	243,942	249,875	236,442	243,696	247,815	246,151	247,377	247,991	
3	Goods, balance of payments basis ²	681,874	163,785	175,002	169,014	174,073	171,180	177,678	165,298	171,421	174,315	170,840	173,346	174,034	
4	Services ³	292,233	69,828	70,702	76,852	74,851	72,762	72,197	71,144	72,275	73,500	75,311	74,031	73,957	
5	Transfers under U.S. military agency sales contracts ⁴	11,943	2,785	2,751	3,418	2,989	2,827	3,023	2,785	2,751	3,418	2,989	2,827	3,023	
6	Travel	66,547	14,479	16,732	18,829	16,507	14,286	15,546	16,295	16,030	16,217	18,005	16,089	14,902	
7	Passenger fares	17,046	3,872	4,281	4,062	4,311	3,444	3,768	4,224	4,279	4,288	4,255	3,736	3,768	
8	Other transportation	29,166	6,784	7,104	7,646	7,632	7,488	7,941	7,102	7,075	7,307	7,682	7,837	7,910	
9	Royalties and license fees ⁵	44,142	10,139	11,012	11,168	11,823	11,297	11,485	10,373	11,221	11,389	11,557	11,630	11,643	
10	Other private services ⁵	122,594	31,574	28,223	30,760	31,637	33,218	30,232	30,170	30,720	30,681	31,022	31,710	32,509	
11	U.S. Government miscellaneous services	795	195	199	200	201	202	202	195	199	200	201	202	202	
12	Income receipts	255,542	61,334	64,485	66,901	62,822	63,634	63,501	60,632	63,920	66,124	64,864	62,901	63,011	
13	Income receipts on U.S.-owned assets abroad	252,379	60,523	63,705	66,116	62,035	62,827	62,687	59,821	63,140	65,339	64,077	62,094	62,197	
14	Direct investment receipts	142,933	32,674	35,538	37,986	36,735	38,124	39,720	32,056	34,874	37,264	38,735	37,508	39,131	
15	Other private receipts	106,143	26,950	27,560	27,225	24,408	23,700	22,321	26,950	27,560	27,225	24,408	23,700	22,321	
16	U.S. Government receipts	3,303	899	607	905	892	1,003	646	813	706	850	934	886	745	
17	Compensation of employees	3,163	811	780	785	787	807	814	811	780	785	787	807	814	
18	Imports of goods and services and income payments	-1,651,657	-373,437	-418,753	-431,963	-427,504	-416,512	-434,240	-387,864	-416,962	-422,666	-424,165	-431,716	-432,731	
19	Imports of goods and services	-1,392,145	-312,227	-349,628	-363,766	-366,524	-354,003	-372,140	-326,499	-348,524	-354,795	-362,267	-369,006	-371,999	
20	Goods, balance of payments basis ²	-1,164,746	-260,732	-291,870	-303,073	-309,071	-298,174	-311,024	-271,331	-292,707	-297,627	-303,081	-309,364	-312,013	
21	Services ³	-227,399	-51,495	-57,758	-60,693	-57,453	-55,829	-61,116	-55,168	-55,877	-57,168	-59,186	-59,642	-59,386	
22	Direct defense expenditures	-19,245	-4,394	-4,668	-4,990	-5,193	-5,674	-6,000	-4,394	-4,668	-4,990	-5,193	-5,674	-6,000	
23	Travel	-58,044	-12,430	-15,806	-16,930	-12,878	-12,196	-14,395	-14,453	-14,252	-14,314	-15,025	-14,168	-13,014	
24	Passenger fares	-19,969	-4,422	-5,475	-5,430	-4,642	-4,479	-5,512	-4,874	-4,829	-4,829	-5,392	-4,960	-4,920	
25	Other transportation	-38,527	-8,420	-9,577	-10,138	-10,392	-10,303	-11,226	-8,891	-9,580	-9,787	-10,271	-10,873	-11,182	
26	Royalties and license fees ⁵	-19,258	-4,607	-4,765	-4,941	-4,945	-4,564	-4,679	-4,728	-4,902	-5,036	-4,592	-4,698	-4,835	
27	Other private services ⁵	-69,436	-16,481	-16,742	-17,539	-18,674	-17,868	-18,555	-17,087	-16,876	-17,487	-17,984	-18,524	-18,686	
28	U.S. Government miscellaneous services	-2,920	-741	-725	-725	-729	-745	-749	-741	-725	-725	-729	-745	-749	
29	Income payments	-259,512	-61,210	-69,125	-68,197	-60,890	-62,509	-62,100	-61,365	-68,738	-67,871	-61,898	-62,710	-61,332	
30	Income payments on foreign-owned assets in the United States	-251,108	-59,211	-67,085	-66,107	-58,705	-60,428	-60,075	-59,271	-66,246	-65,820	-59,771	-60,527	-59,213	
31	Direct investment payments	-49,458	-8,074	-14,303	-15,637	-11,444	-15,332	-17,170	-8,134	-13,464	-15,350	-12,510	-15,431	-16,308	
32	Other private payments	-127,735	-32,512	-33,773	-31,802	-29,648	-28,245	-26,638	-32,512	-33,773	-31,802	-29,648	-28,245	-26,638	
33	U.S. Government payments	-73,915	-18,625	-19,009	-18,668	-17,613	-16,851	-16,267	-18,625	-19,009	-18,668	-17,613	-16,851	-16,267	
34	Compensation of employees	-8,404	-1,999	-2,040	-2,090	-2,275	-2,081	-2,025	-2,094	-2,132	-2,051	-2,127	-2,183	-2,119	
35	Unilateral current transfers, net	-58,853	-16,450	-12,834	-13,772	-15,797	-17,575	-16,697	-15,938	-13,481	-13,997	-15,436	-17,269	-16,942	
36	U.S. Government grants ⁴	-17,097	-6,397	-3,287	-3,075	-4,338	-5,813	-5,620	-6,397	-3,287	-3,075	-4,338	-5,813	-5,620	
37	U.S. Government pensions and other transfers	-5,125	-1,330	-1,005	-923	-1,867	-1,037	-1,208	-1,271	-1,282	-1,282	-1,292	-1,320	-1,335	
38	Private remittances and other transfers ⁶	-36,631	-8,723	-8,542	-9,774	-9,592	-10,725	-9,869	-8,270	-8,915	-9,640	-9,806	-10,136	-9,987	
Capital and financial account															
Capital account															
39	Capital account transactions, net	-1,285	-277	-286	-364	-358	-388	-325	-277	-286	-364	-358	-388	-325	
Financial account															
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-178,985	-37,698	-130,751	26,896	-37,432	-103,903	-109,412	-35,227	-128,567	29,712	-44,902	-101,331	-106,665	
41	U.S. official reserve assets, net	-3,681	390	-1,843	-1,416	-812	83	-170	390	-1,843	-1,416	-812	83	-170	
42	Gold ⁷	-475	-109	-107	-132	-127	897	-102	-109	-107	-132	-127	897	-102	
43	Special drawing rights	-2,632	652	-1,607	-1,136	-541	-644	86	652	-1,607	-1,136	-541	-644	86	
44	Reserve position in the International Monetary Fund	-574	-153	-129	-148	-144	-170	-154	-153	-129	-148	-144	-170	-154	
45	Foreign currencies	-32	133	42	-27	-180	-70	-323	133	42	-27	-180	-70	-323	
46	U.S. Government assets, other than official reserve assets, net	-5,611	-853	-565	-1,375	-2,818	-2,578	-928	-853	-565	-1,375	-2,818	-2,578	-928	
47	U.S. credits and other long-term assets	5,684	994	566	1,452	2,672	2,472	674	994	566	1,452	2,672	2,472	674	
48	Repayments on U.S. credits and other long-term assets ⁸	-105	-8	41	-104	-34	36	-69	-8	41	-104	-34	36	-69	
49	U.S. foreign currency holdings and U.S. short-term assets, net	-175,272	-38,221	-128,950	28,339	-36,440	-103,916	-108,919	-35,750	-126,766	31,155	-43,910	-101,344	-106,172	
50	U.S. private assets, net	-137,836	-41,554	-37,643	-34,439	-24,200	-36,977	-34,767	-39,083	-35,459	-31,623	-34,405	-32,020	-32,020	
51	Direct investment	15,801	5,367	-5,843	21,641	-5,364	-27,146	9,240	5,367	-5,843	21,641	-5,364	-27,146	9,240	
52	Foreign securities	-31,880	-1,886	-16,210	-11,862	-1,922	-11,998	-22,789	-1,886	-16,210	-11,862	-1,922	-11,998	-22,789	
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-21,357	-148	-69,254	-52,999	-4,954	-27,795	-60,603	-148	-69,254	-52,999	-4,954	-27,795	-60,603	
54	U.S. claims reported by U.S. banks, not included elsewhere	706,983	146,075	224,088	142,129	194,691	241,859	257,612	146,813	221,242	141,478	197,448	242,004	255,273	
55	Foreign-owned assets in the United States, net (increase/financial inflow (+))	94,860	6,106	47,552	8,992	32,210	40,978	57,580	6,106	47,552	8,992	32,210	40,978	57,580	
56	Foreign official assets in the United States, net	73,521	6,257	21,706	12,300	33,258	31,768	36,522	6,257	21,706	12,300	33,258	31,768	36,522	
57	U.S. Government securities	43,144	-1,039	15,138	1,415	27,630	22,288	33,323	-1,039	15,138	1,415	27,630	22,288	33,323	
58	U.S. Treasury securities ⁹	30,377	7,296	6,568	10,885	5,628	9,480	3,290	7,296	6,568	10,885	5,628	9,480	3,290	
59	Other ¹⁰	137	-597	365	464	-95	-437	-32	-597	365	464	-95	-437	-32	
60	Other U.S. Government liabilities ¹¹	17,594	-280	24,575	-4,607	-2,094	8,321	20,385	-280	24,575	-4,607	-2,094	8,321	20,385	
61	U.S. liabilities reported by U.S. banks, not included elsewhere	3,608	726	906	835	1,141	1,326	705	726	906	835	1,141	1,326	705	
62	Other foreign official assets ¹²	612,123	139,969	176,536	133,137	162,481	200,881	200,302	140,707	173,890	132,486	165,238	201,626	197,893	
63	Other foreign assets in the United States, net	39,633	9,869	2,390	14,850	12,524	34,241	14,476	10,607	456	14,199	15,281	34,386	12,137	
64	Direct investment	96,217	11,789	14,218	57,505	12,705	14,568	61,139	11,789	14,218	57,505	12,705	14,568	61,139	
65	U.S. Treasury securities	291,492	74,461	104,187	45,880	66,964	55,574	86,525	74,461	104,187	45,880	66,964	55,574	86,525	
66	U.S. securities other than U.S. Treasury securities	21,513	4,525												

Table F.3. U.S. International Transactions, by Area

(Millions of dollars)

Line	(Credits +; debits -) ¹	Western Europe			European Union ¹⁴			United Kingdom			European Union (6) ¹⁵		
		2002		2003	2002		2003	2002		2003	2002		2003
		IV	I'	II ^P	IV	I'	II ^P	IV	I'	II ^P	IV	I'	II ^P
Current account													
1	Exports of goods and services and income receipts	97,315	95,287	98,050	86,964	85,579	87,264	24,879	23,326	23,880	46,514	47,035	47,658
2	Exports of goods and services	69,110	67,424	68,710	62,482	61,050	61,915	16,384	16,083	16,311	34,440	34,001	34,405
3	Goods, balance of payments basis ²	39,433	40,240	40,923	36,151	36,934	37,179	7,777	8,457	8,423	22,533	22,800	23,176
4	Services ³	29,677	27,184	27,787	26,331	24,116	24,736	8,607	7,626	7,888	11,907	11,201	11,229
5	Transfers under U.S. military agency sales contracts ⁴	891	748	826	597	612	696	68	119	76	228	292	231
6	Travel	5,521	4,331	4,538	5,084	3,955	4,171	2,305	1,779	1,776	1,920	1,490	1,674
7	Passenger fares	1,586	1,207	1,408	1,534	1,165	1,316	756	572	597	678	528	649
8	Other transportation	2,500	2,495	2,720	2,240	2,218	2,372	519	512	574	1,223	1,166	1,257
9	Royalties and license fees ⁵	5,790	5,449	5,452	5,166	4,790	4,813	1,103	938	1,016	2,571	2,390	2,214
10	Other private services ⁵	13,354	12,919	12,807	11,679	11,345	11,336	3,852	3,702	3,845	5,265	5,314	5,183
11	U.S. Government miscellaneous services	35	35	36	31	31	32	4	4	4	22	21	21
12	Income receipts	28,205	27,863	29,340	24,482	24,529	25,349	8,495	7,243	7,569	12,074	13,034	13,253
13	Income receipts on U.S.-owned assets abroad	28,128	27,786	29,260	24,417	24,464	25,281	8,474	7,222	7,547	12,039	12,999	13,216
14	Direct investment receipts	15,732	15,900	18,251	13,246	13,774	15,278	3,150	2,541	3,097	7,542	8,501	9,053
15	Other private receipts	12,148	11,466	10,744	10,932	10,460	9,828	5,240	4,681	4,450	4,353	4,329	4,010
16	U.S. Government receipts	248	420	265	239	230	175	84	.....	.....	144	169	153
17	Compensation of employees	77	77	80	65	65	68	21	21	22	35	35	37
18	Imports of goods and services and income payments	-120,531	-117,305	-125,113	-109,517	-105,717	-111,825	-34,605	-34,120	-33,470	-56,307	-53,233	-57,676
19	Imports of goods and services	-91,086	-85,912	-94,227	-82,692	-78,153	-85,005	-17,553	-16,911	-17,843	-48,229	-44,738	-48,750
20	Goods, balance of payments basis ²	-66,594	-62,223	-66,886	-61,153	-57,391	-61,271	-10,498	-10,114	-10,458	-37,030	-34,155	-36,482
21	Services ³	-24,492	-23,689	-27,341	-21,539	-20,762	-23,734	-7,055	-6,797	-7,385	-11,199	-10,583	-12,268
22	Direct defense expenditures	-2,331	-2,566	-2,602	-1,990	-2,185	-2,221	-169	-200	-200	-1,703	-1,810	-1,846
23	Travel	-3,954	-3,482	-3,532	-3,679	-3,251	-4,908	-1,450	-1,214	-1,319	-1,676	-1,455	-2,528
24	Passenger fares	-2,024	-1,993	-2,835	-1,894	-1,866	-2,617	-743	-701	-956	-759	-726	-1,094
25	Other transportation	-3,680	-3,863	-4,370	-3,120	-3,241	-3,583	-724	-750	-789	-1,603	-1,610	-1,795
26	Royalties and license fees ⁵	-2,771	-2,309	-2,469	-2,227	-1,839	-1,969	-374	-395	-398	-1,605	-1,249	-1,351
27	Other private services ⁵	-9,426	-9,187	-9,422	-8,366	-8,134	-8,189	-3,574	-3,519	-3,705	-3,641	-3,535	-3,455
28	U.S. Government miscellaneous services	-306	-289	-291	-263	-246	-247	-21	-18	-18	-212	-198	-199
29	Income payments	-29,445	-31,393	-30,886	-26,825	-27,564	-26,820	-17,052	-17,209	-15,627	-8,078	-8,495	-8,926
30	Income payments on foreign-owned assets in the United States	-29,345	-31,293	-30,797	-26,742	-27,481	-26,743	-17,032	-17,189	-15,609	-8,023	-8,440	-8,874
31	Direct investment payments	-6,878	-10,340	-11,038	-6,378	-8,391	-8,746	-3,639	-4,721	-3,793	-2,771	-3,539	-4,306
32	Other private payments	-17,695	-16,441	-15,502	-16,083	-15,057	-14,216	-11,115	-10,280	-9,741	-3,998	-3,767	-3,512
33	U.S. Government payments	-4,772	-4,512	-4,257	-4,281	-4,033	-3,781	-2,278	-2,188	-2,075	-1,254	-1,134	-1,056
34	Compensation of employees	-100	-100	-89	-83	-83	-77	-20	-20	-18	-55	-55	-52
35	Unilateral current transfers, net	15	-206	38	225	82	251	148	225	288	85	-97	-46
36	U.S. Government grants ⁴	-142	-264	-211	-7	-7	-5	.....	.....	.....	.....	.....	.....
37	U.S. Government pensions and other transfers	-438	-377	-400	-340	-338	-349	-59	-60	-57	-186	-183	-198
38	Private remittances and other transfers ⁶	595	435	649	572	427	605	207	285	345	271	86	152
Capital and financial account													
Capital account													
39	Capital account transactions, net	-136	-81	-80	-62	-60	-59	-10	-8	-8	-11	-11	-10
Financial account													
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	3,482	-69,228	-62,825	24,747	-72,372	-57,969	21,525	-56,822	-42,166	590	-16,849	-10,441
41	U.S. official reserve assets, net	-144	-170	-154	-86	-120	-104	.....	.....	.....	.....	.....	.....
42	Gold ⁷	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies	-144	-170	-154	-86	-120	-104	.....	.....	.....	.....	.....	.....
46	U.S. Government assets, other than official reserve assets, net	177	34	-7	72	238	79	58	.....	-6	-26	31	.....
47	U.S. credits and other long-term assets	-7	-404	-188	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets ⁸	214	414	165	106	207	69	66	.....	.....	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net	-30	24	16	-34	31	10	-8	.....	-6	-26	31	.....
50	U.S. private assets, net	3,449	-69,092	-62,664	24,761	-72,490	-57,944	21,467	-56,822	-42,160	616	-16,880	-10,441
51	Direct investment	-13,278	-17,683	-21,156	-11,093	-17,123	-17,698	-1,093	-7,518	-3,923	-6,730	-7,107	-9,292
52	Foreign securities	-2,750	-19,045	7,549	-2,192	-17,769	7,028	-3,063	-13,009	2,227	1,540	-5,671	3,103
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	16,415	-24,501	.....	15,693	-24,008	.....	17,352	-25,236	.....	-3,159	1,147	.....
54	U.S. claims reported by U.S. banks, not included elsewhere	3,062	-7,863	-49,057	22,353	-13,590	-47,274	8,271	-11,059	-40,484	8,965	-5,249	-4,252
55	Foreign owned assets in the United States, net (increase/financial inflow (+))	106,277	112,053	53,547	69,972	126,889	45,261	41,592	110,122	6,809	21,253	9,627	26,630
56	Foreign official assets in the United States, net	9,645	179	-6,546	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
57	U.S. Government securities	(17)	(17)	(17)	(16)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
58	U.S. Treasury securities ⁹	(17)	(17)	(17)	(16)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other ¹⁰	(17)	(17)	(17)	(16)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	-191	-186	-40	182	-169	-23	31	-83	37	-21	-83	44
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	(16)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(17)	(17)	(17)	(16)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	96,632	111,874	60,093	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment	3,757	31,559	6,046	3,633	24,169	4,879	5,291	19,538	4,073	411	3,747	1,866
65	U.S. Treasury securities	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	39,445	47,175	39,371	35,907	43,330	37,324	26,659	34,651	26,954	9,019	7,420	3,314
67	U.S. currency	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	13,468	62,037	.....	10,336	62,145	.....	6,700	55,166	.....	1,712	3,768	.....
69	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	¹⁸ 19,914	¹⁸ -2,586	¹⁸ 3,081	¹⁸ 2,911	¹⁸ 850	¹⁸ -24,455	¹⁸ 10,132	¹⁸ -5,225	¹⁸ 21,406
70	Statistical discrepancy (sum of above items with sign reversed)	-86,422	-20,520	36,383	-72,329	-34,401	37,077	-53,529	-42,723	44,867	-12,124	13,528	-6,115
Memoranda:													
71	Balance on goods (lines 3 and 20)	-27,161	-21,983	-25,963	-25,002	-20,457	-24,092	-2,721	-1,657	-2,035	-14,497	-11,355	-13,306
72	Balance on services (lines 4 and 21)	5,185	3,495	446	4,792	3,354	1,002	1,552	829	503	708	618	-1,039
73	Balance on goods and services (lines 2 and 19)	-21,976	-18,488	-25,517	-20,210	-17,103	-23,090	-1,169	-828	-1,532	-13,789	-10,737	-14,345
74	Balance on income (lines 12 and 29)	-1,240	-3,530	-1,546	-2,343	-3,035	-1,471	-8,557	-9,966	-8,058	3,996	4,539	4,327
75	Unilateral current transfers, net (line 35)	15	-206	38	225	82	251	148	225	288	85	-97	-46
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	-23,201	-22,224	-27,025	-22,328	-20,056	-24,310	-9,578	-10,569 </				

Table F.3. U.S. International Transactions, by Area—Continued
 (Millions of dollars)

Line	(Credits +; debits -) ¹	Eastern Europe			Canada			Latin America and Other Western Hemisphere			Japan		
		2002		2003	2002		2003	2002		2003	2002		2003
		IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p
Current account													
1	Exports of goods and services and income receipts	3,140	3,286	3,292	51,907	52,766	56,109	60,981	56,612	57,905	22,486	22,738	23,193
2	Exports of goods and services	2,763	2,725	2,697	46,834	47,662	51,088	51,769	47,163	48,722	19,877	19,600	20,150
3	Goods, balance of payments basis ²	1,627	1,511	1,603	40,843	41,177	44,810	38,341	35,022	36,071	12,177	12,179	12,888
4	Services ³	1,136	1,214	1,094	5,991	6,485	6,278	13,428	12,141	12,651	7,700	7,421	7,262
5	Transfers under U.S. military agency sales contracts ⁴	108	105	92	13	44	57	90	114	102	202	151	120
6	Travel	282	255	310	1,323	1,803	1,725	4,628	3,597	4,234	2,161	1,913	1,781
7	Passenger fares	14	15	12	405	483	389	1,165	955	1,012	615	534	602
8	Other transportation	65	59	58	710	665	658	852	842	917	776	753	789
9	Royalties and license fees ⁵	115	106	116	803	809	837	927	891	906	1,620	1,592	1,626
10	Other private services ⁵	541	666	498	2,715	2,660	2,591	5,723	5,698	5,436	2,304	2,452	2,318
11	U.S. Government miscellaneous services	11	8	8	22	21	21	43	44	44	22	26	26
12	Income receipts	377	561	595	5,073	5,104	5,021	9,212	9,449	9,183	2,609	3,138	3,043
13	Income receipts on U.S.-owned assets abroad	363	547	581	5,052	5,081	4,997	9,161	9,396	9,129	2,591	3,120	3,025
14	Direct investment receipts	190	290	400	3,243	3,295	3,386	3,920	4,262	4,051	1,228	1,679	1,692
15	Other private receipts	138	131	121	1,809	1,786	1,611	5,133	5,067	5,024	1,363	1,440	1,332
16	U.S. Government receipts	35	126	60	.....	.....	.....	108	67	54	.....	1	1
17	Compensation of employees	14	14	14	21	23	24	51	53	54	18	18	18
18	Imports of goods and services and income payments	-6,144	-5,900	-6,267	-59,055	-61,875	-63,552	-73,146	-73,131	-75,934	-46,549	-40,039	-40,783
19	Imports of goods and services	-5,187	-5,016	-5,387	-57,936	-60,312	-61,400	-63,887	-61,836	-65,042	-37,463	-33,756	-34,021
20	Goods, balance of payments basis ²	-4,578	-4,485	-4,442	-53,646	-56,339	-56,879	-53,510	-51,404	-54,199	-32,519	-28,953	-29,246
21	Services ³	-609	-531	-945	-4,290	-3,973	-4,521	-10,377	-10,432	-10,843	-4,944	-4,803	-4,775
22	Direct defense expenditures	-49	-38	-38	-28	-19	-18	-104	-83	-90	-376	-391	-400
23	Travel	-195	-179	-482	-1,108	-962	-1,356	-4,443	-4,572	-4,566	-730	-588	-613
24	Passenger fares	-76	-66	-154	-119	-87	-107	-697	-706	-848	-263	-241	-232
25	Other transportation	-51	-36	-47	-903	-865	-921	-844	-927	-959	-1,140	-1,130	-1,110
26	Royalties and license fees ⁵	-22	-18	-16	-232	-198	-207	-345	-329	-343	-1,224	-1,392	-1,322
27	Other private services ⁵	-202	-179	-193	-1,856	-1,797	-1,867	-3,816	-3,681	-3,902	-1,181	-1,012	-1,049
28	U.S. Government miscellaneous services	-14	-15	-15	-44	-45	-45	-128	-134	-135	-30	-49	-49
29	Income payments	-957	-884	-880	-1,119	-1,563	-2,152	-9,259	-11,295	-10,892	-9,086	-6,283	-6,762
30	Income payments on foreign-owned assets in the United States	-938	-865	-865	-1,039	-1,479	-2,069	-7,437	-9,672	-9,236	-9,062	-6,259	-6,745
31	Direct investment payments	-391	-395	-411	70	-366	-1,020	1,486	-805	-732	-3,008	-515	-1,168
32	Other private payments	-166	-122	-135	-886	-919	-873	-6,621	-6,605	-6,261	-1,587	-1,468	-1,317
33	U.S. Government payments	-381	-348	-319	-223	-194	-176	-2,302	-2,262	-2,243	-4,467	-4,276	-4,260
34	Compensation of employees	-19	-19	-15	-80	-84	-83	-1,822	-1,623	-1,656	-24	-24	-17
35	Unilateral current transfers, net	-1,062	-1,037	-1,087	-127	-145	-125	-6,189	-6,335	-6,549	172	141	162
36	U.S. Government grants ⁴	-417	-349	-429	.....	.....	.....	-469	-501	-668	.....	.....	.....
37	U.S. Government pensions and other transfers	-15	-15	-11	-135	-136	-151	-248	-186	-196	-33	-34	-26
38	Private remittances and other transfers ⁶	-630	-673	-647	8	-9	26	-5,472	-5,648	-5,685	205	175	188
Capital and financial account													
Capital account													
39	Capital account transactions, net	-49	-55	-51	38	28	24	2	-57	-6	5	6	6
Financial account													
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-10	315	67	5,006	-400	7,800	-37,817	-18,193	-41,824	-13,901	-12,088	-7,375
41	U.S. official reserve assets, net	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Gold ⁷	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	U.S. Government assets, other than official reserve assets, net	63	58	-41	.....	.....	.....	-21	173	94	-6	8	2
47	U.S. credits and other long-term assets	-8	-12	-78	.....	.....	.....	-172	-68	-68	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets ⁸	71	70	37	.....	.....	.....	141	246	164	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net	.....	.....	.....	.....	.....	.....	10	-7	-2	-6	8	2
50	U.S. private assets, net	-73	257	108	5,006	-400	7,800	-37,796	-18,366	-41,918	-13,895	-12,096	-7,377
51	Direct investment	-214	549	-664	1,484	-2,807	-5,164	-608	-7,307	-306	-772	-893	-248
52	Foreign securities	851	135	429	-766	4,195	2,166	739	-12,693	-3,293	-8,613	-1,102	-260
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	2	-126	.....	1,362	-529	.....	-16,335	13,130	-14,347	-1,424	-340	.....
54	U.S. claims reported by U.S. banks, not included elsewhere	-712	-301	343	2,926	-1,259	10,798	-21,592	-11,496	-24,584	-3,086	-9,761	-6,869
55	Foreign owned assets in the United States, net (increase/financial inflow (+))	1,157	4,332	8,288	-1,297	10,168	11,630	39,886	62,743	99,615	6,101	24,922	44,635
56	Foreign official assets in the United States, net	(18)	(18)	(18)	993	-1,262	122	(18)	(18)	(18)	(18)	(18)	(18)
57	U.S. Government securities	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
58	U.S. Treasury securities ⁹	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other ¹⁰	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	14	12	98	11	-12	-22	27	-5	25	-189	-176	20
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	(18)	(18)	(18)	-2,290	11,430	11,508	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment	-619	-1,152	-194	101	325	1,971	4,058	960	1,814	4,222	-1,995	1,436
65	U.S. Treasury securities	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	-1,157	-1,254	-1,468	-1,981	2,566	4,119	8,882	-1,709	37,358	13,756	5,379	5,745
67	U.S. currency	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	16	-810	.....	-175	4,666	.....	-1,699	5,890	8,856	-1,914	-39	.....
69	U.S. liabilities reported by U.S. banks, not included elsewhere	¹⁸ 2,903	¹⁸ 6,836	¹⁸ 9,852	(17)	(17)	(17)	¹⁸ 28,618	¹⁸ 57,607	¹⁸ 51,562	¹⁸ 9,774	¹⁸ 21,753	¹⁸ 37,434
70	Statistical discrepancy (sum of above items with sign reversed)	2,968	-941	-4,242	3,528	-542	-11,886	16,283	-21,839	-33,207	-3,686	4,320	-19,838
Memoranda:													
71	Balance on goods (lines 3 and 20)	-2,951	-2,974	-2,839	-12,803	-15,162	-12,069	-15,169	-16,382	-18,128	-20,342	-16,774	-16,358
72	Balance on services (lines 4 and 21)	527	683	149	1,701	2,512	1,757	3,051	1,709	1,808	2,756	2,618	2,487
73	Balance on goods and services (lines 2 and 19)	-2,424	-2,291	-2,690	-11,102	-12,650	-10,312	-12,118	-14,673	-16,320	-17,586	-14,156	-13,871
74	Balance on income (lines 12 and 29)	-580	-323	-285	3,541	2,869	-47	-1,846	-1,709	-6,477	-3,145	-3,719	-3,719
75	Unilateral current transfers, net (line 35)	-1,062	-1,037	-1,087	-127	-145	-125	-6,189	-6,335	-6,549	172	141	162
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	-4,066	-3,651	-4,062	-7,275	-9,254	-7,568	-18,354	-22,854	-24,578	-23,891	-17,160	-17,428

See footnotes on page D-57.

Table F.3. U.S. International Transactions, by Area—Continued

[Millions of dollars]

Line	(Credits +; debits -) ¹	Australia			Other countries in Asia and Africa			International organizations and unallocated ¹⁶		
		2002		2003	2002		2003	2002		2003
		IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p
Current account										
1	Exports of goods and services and income receipts	5,880	5,283	5,841	61,206	62,650	60,192	8,831	8,954	8,794
2	Exports of goods and services	4,709	4,075	4,576	52,306	53,738	52,345	1,556	1,555	1,587
3	Goods, balance of payments basis ²	3,331	2,766	3,154	38,321	38,285	38,229	.....	.....	.....
4	Services ³	1,378	1,309	1,422	13,985	15,453	14,116	1,556	1,555	1,587
5	Transfers under U.S. military agency sales contracts ⁴	48	57	43	1,637	1,608	1,783	.....	.....	.....
6	Travel	370	317	352	2,222	2,070	2,606	.....	.....	.....
7	Passenger fares	67	66	79	210	184	266	.....	.....	.....
8	Other transportation	80	73	89	2,475	2,421	2,508	174	180	202
9	Royalties and license fees ⁵	217	207	245	1,718	1,636	1,688	633	607	615
10	Other private services ⁵	593	587	612	5,658	7,468	5,200	749	768	770
11	U.S. Government miscellaneous services	3	2	2	65	66	65	.....	.....	.....
12	Income receipts	1,171	1,208	1,265	8,900	8,912	7,847	7,275	7,399	7,207
13	Income receipts on U.S.-owned assets abroad	1,165	1,201	1,258	8,799	8,809	7,745	6,776	6,887	6,692
14	Direct investment receipts	733	768	850	7,059	7,264	6,408	4,630	4,666	4,682
15	Other private receipts	432	433	408	1,366	1,273	1,174	2,019	2,104	1,907
16	U.S. Government receipts .....	.....	.....	.....	374	272	163	127	117	103
17	Compensation of employees	6	7	7	101	103	102	499	512	515
18	Imports of goods and services and income payments	-3,038	-2,856	-2,826	-114,618	-110,888	-117,610	-4,423	-4,518	-2,155
19	Imports of goods and services	-2,455	-2,212	-2,332	-107,727	-104,119	-108,685	-783	-840	-1,046
20	Goods, balance of payments basis ²	-1,640	-1,415	-1,594	-96,584	-93,355	-97,778	.....	.....	.....
21	Services ³	-815	-797	-738	-11,143	-10,764	-10,907	-783	-840	-1,046
22	Direct defense expenditures	-32	-26	-26	-2,273	-2,551	-2,826	.....	.....	.....
23	Travel	-246	-267	-194	-2,202	-2,146	-1,832	.....	.....	.....
24	Passenger fares	-164	-176	-187	-1,299	-1,210	-1,149	.....	.....	.....
25	Other transportation	-45	-52	-44	-3,228	-2,858	-3,003	-501	-572	-772
26	Royalties and license fees ⁵	-29	-15	-18	-63	-60	-56	-259	-243	-248
27	Other private services ⁵	-289	-252	-260	-1,881	-1,736	-1,837	-23	-24	-25
28	U.S. Government miscellaneous services	-10	-9	-9	-197	-203	-204	.....	.....	.....
29	Income payments	-583	-644	-494	-6,891	-6,769	-8,925	-3,640	-3,678	-1,109
30	Income payments on foreign-owned assets in the United States	-580	-640	-491	-6,664	-6,542	-8,763	-3,640	-3,678	-1,109
31	Direct investment payments	-302	-372	-226	72	-29	-2,575	-2,493	-2,510	.....
32	Other private payments	-162	-159	-152	-1,724	-1,696	-1,608	-807	-835	-790
33	U.S. Government payments	-116	-109	-113	-5,012	-4,817	-4,580	-340	-333	-319
34	Compensation of employees	-3	-4	-3	-227	-162	.....	.....	.....	.....
35	Unilateral current transfers, net	-55	-64	-64	-6,492	-8,388	-7,415	-2,059	-1,541	-1,657
36	U.S. Government grants ⁴ .....	.....	.....	.....	-3,227	-4,552	-4,106	-83	-147	-206
37	U.S. Government pensions and other transfers	-13	-13	-14	-133	-134	-136	-852	-142	-274
38	Private remittances and other transfers ⁶	-42	-51	-50	-3,132	-3,702	-3,173	-1,124	-1,252	-1,177
Capital and financial account										
Capital account										
39	Capital account transactions, net	-6	-6	-6	-212	-223	-212	.....	.....	.....
Financial account										
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-2,279	1,051	-4,911	14,547	-197	13,226	-6,460	-5,163	-13,570
41	U.S. official reserve assets, net .....	.....	.....	.....	.....	.....	.....	-668	253	-16
42	Gold ⁷ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights .....	.....	.....	.....	.....	.....	.....	-127	897	-102
44	Reserve position in the International Monetary Fund .....	.....	.....	.....	.....	.....	.....	-541	-644	86
45	Foreign currencies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	U.S. Government assets, other than official reserve assets, net .....	.....	.....	.....	-132	-80	-110	-261	-263	-261
47	U.S. credits and other long-term assets .....	.....	.....	.....	-2,370	-1,831	-333	-261	-263	-261
48	Repayments on U.S. credits and other long-term assets ⁸ .....	.....	.....	.....	2,246	1,740	308	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net .....	.....	.....	.....	-8	11	-85	.....	.....	.....
50	U.S. private assets, net	-2,279	1,051	-4,911	14,679	-117	13,336	-5,531	-5,153	-13,293
51	Direct investment	-883	-1,276	-601	-5,299	-2,894	-2,558	-4,630	-4,666	-4,682
52	Foreign securities	126	369	-1,907	4,805	979	4,642	244	16	-86
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-2,306	1,499	.....	366	-1,131	.....	-2	.....	-8,442
54	U.S. claims reported by U.S. banks, not included elsewhere	784	459	-2,403	14,807	2,929	11,252	-1,143	-503	-83
55	Foreign owned assets in the United States, net (increase/financial inflow (+))	2,020	-3,365	11,514	26,074	24,886	26,469	14,473	6,120	1,914
56	Foreign official assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	.....	168	25
57	U.S. Government securities	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....
58	U.S. Treasury securities ⁹	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....
59	Other ¹⁰	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....
60	Other U.S. Government liabilities ¹¹	6	-9	11	227	-229	-149	.....	168	25
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....
62	Other foreign official assets ¹²	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....
63	Other foreign assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	14,473	5,952	1,889
64	Direct investment	-520	1,104	671	-968	930	233	2,493	2,510	2,499
65	U.S. Treasury securities	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	495	-2,708	776	7,188	6,235	977	336	-110	-353
67	U.S. currency .....	.....	.....	.....	.....	.....	.....	7,249	4,927	1,458
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	270	715	.....	-1,103	1,689	.....	.....	.....	-5,667
69	U.S. liabilities reported by U.S. banks, not included elsewhere	18 1,769	18 2,467	18 10,056	18 20,730	18 16,261	18 25,408	18 4,395	18 -1,375	18 3,952
70	Statistical discrepancy (sum of above items with sign reversed)	-2,522	-43	-9,548	19,495	32,160	25,350	-10,362	-3,852	6,674
Memoranda:										
71	Balance on goods (lines 3 and 20)	1,691	1,351	1,560	-58,263	-55,070	-59,549	.....	.....	.....
72	Balance on services (lines 4 and 21)	563	512	584	2,842	4,689	3,209	773	715	541
73	Balance on goods and services (lines 2 and 19)	2,254	1,863	2,244	-55,421	-50,381	-56,340	773	715	541
74	Balance on income (lines 12 and 29)	588	584	771	2,009	2,143	-1,078	3,635	3,721	6,098
75	Unilateral current transfers, net (line 35)	-55	-64	-64	-6,492	-8,388	-7,415	-2,059	-1,541	-1,657
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	2,787	2,363	2,951	-59,904	-56,626	-64,833	2,349	2,895	4,982

^p Preliminary.^r Revised.

See footnotes on page D-57.

Source: Table 11 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the SURVEY OF CURRENT BUSINESS.

Table F.4. Private Services Transactions

(Millions of dollars)

Line	2002	Not seasonally adjusted						Seasonally adjusted					
		2002		2003		2002		2003					
		I	II	III	IV	I ^p	II ^p	I	II	III	IV	I ^p	II ^p
1 Exports of private services	279,495	66,848	67,752	73,234	71,661	69,733	68,972	68,164	69,325	69,882	72,121	71,002	70,732
2 Travel (table F.2, line 6)	66,547	14,479	16,732	18,829	16,507	14,286	15,546	16,295	16,030	16,217	18,005	16,089	14,902
3 Passenger fares (table F.2, line 7)	17,046	3,872	4,281	4,831	4,062	3,444	3,768	4,224	4,279	4,288	4,255	3,736	3,768
4 Other transportation (table F.2, line 8)	29,166	6,784	7,104	7,666	7,632	7,488	7,941	7,102	7,075	7,307	7,682	7,837	7,910
5 Freight	12,330	2,879	2,926	3,134	3,391	3,273	3,656	2,934	2,918	3,140	3,338	3,337	3,645
6 Port services	16,836	3,905	4,178	4,512	4,241	4,215	4,285	4,168	4,157	4,167	4,344	4,500	4,265
7 Royalties and license fees (table F.2, line 9)	44,142	10,339	11,012	11,168	11,823	11,297	11,485	10,373	11,221	11,389	11,157	11,630	11,643
8 Affiliated	32,218	7,200	8,050	8,173	8,795	8,237	8,393	7,434	8,259	8,394	8,129	8,570	8,551
9 U.S. parents' receipts	29,066	6,881	7,236	7,199	7,750	7,285	7,827	7,066	7,313	7,357	7,329	7,487	7,895
10 U.S. affiliates' receipts	3,152	319	814	974	1,045	952	566	368	946	1,037	800	1,083	656
11 Unaffiliated	11,924	2,939	2,962	2,995	3,028	3,060	3,092	2,939	2,962	2,995	3,028	3,060	3,092
12 Industrial processes ¹	3,900	981	974	972	973	976	981	981	974	972	973	976	981
13 Other ²	8,024	1,958	1,988	2,023	2,055	2,084	2,110	1,958	1,988	2,023	2,055	2,084	2,110
14 Other private services (table F.2, line 10)	122,594	31,574	28,623	30,760	31,637	33,218	30,232	30,170	30,720	30,681	31,022	31,710	32,509
15 Affiliated services	43,500	9,465	10,389	10,988	12,658	11,260	11,717	9,992	10,897	11,195	11,415	11,906	12,233
16 U.S. parents' receipts	25,194	5,793	6,167	6,207	7,027	6,582	7,051	6,035	6,262	6,380	6,517	6,852	7,154
17 U.S. affiliates' receipts	18,306	3,672	4,222	4,781	5,631	4,678	4,666	3,957	4,635	4,815	4,898	5,054	5,079
18 Unaffiliated services	79,094	22,109	18,234	19,772	18,979	21,958	18,515	20,178	19,823	19,486	19,607	19,804	20,276
19 Education	12,759	5,095	1,584	3,471	2,610	5,607	1,730	3,082	3,150	3,253	3,274	3,364	3,468
20 Financial services	15,859	4,083	4,126	3,842	3,808	3,825	3,977	4,083	4,126	3,842	3,808	3,825	3,977
21 Insurance services	2,839	663	701	735	740	742	740	663	701	735	740	742	740
22 Telecommunications	4,137	1,092	1,045	1,009	992	987	976	1,092	1,045	1,009	992	987	976
23 Business, professional, and technical services	28,799	7,599	7,146	6,993	7,062	7,081	7,319	7,599	7,146	6,993	7,062	7,081	7,319
24 Other unaffiliated services ³	14,700	3,578	3,632	3,723	3,767	3,717	3,737	3,660	3,655	3,654	3,731	3,805	3,797
25 Imports of private services	205,234	46,360	52,365	54,978	51,531	49,410	54,367	50,033	50,484	51,453	53,264	53,223	52,637
26 Travel (table F.2, line 23)	58,044	12,430	15,806	16,930	12,878	12,196	14,395	14,453	14,252	14,314	15,025	14,168	13,014
27 Passenger fares (table F.2, line 24)	19,969	4,422	5,475	5,430	4,642	4,479	5,512	4,874	4,874	4,829	5,392	4,960	4,920
28 Other transportation (table F.2, line 25)	38,527	8,420	9,577	10,138	10,392	10,303	11,226	8,891	9,580	9,787	10,271	10,873	11,182
29 Freight	25,973	5,594	6,428	6,806	7,145	6,962	7,994	5,924	6,456	6,579	7,016	7,360	7,985
30 Port services	12,554	2,826	3,149	3,332	3,247	3,341	3,232	2,967	3,124	3,208	3,255	3,513	3,197
31 Royalties and license fees (table F.2, line 26)	19,258	4,607	4,765	4,941	4,945	4,564	4,679	4,728	4,902	5,036	4,592	4,698	4,835
32 Affiliated	15,132	3,242	3,691	4,106	4,093	3,699	3,802	3,363	3,828	4,201	3,740	3,833	3,958
33 U.S. parents' payments	2,958	598	718	823	799	630	630	598	718	843	799	630	630
34 U.S. affiliates' payments	12,174	2,644	2,973	3,263	3,294	3,069	3,172	2,765	3,110	3,358	2,941	3,203	3,328
35 Unaffiliated	4,126	1,365	1,074	835	852	865	877	1,365	1,074	835	852	865	877
36 Industrial processes ¹	1,935	474	480	487	494	504	513	474	480	487	494	504	513
37 Other ²	2,192	891	594	349	358	362	365	891	594	349	358	362	365
38 Other private services (table F.2, line 27)	69,436	16,481	16,742	17,539	18,674	17,868	18,555	17,087	16,876	17,487	17,984	18,524	18,686
39 Affiliated services	32,367	7,616	7,496	8,053	9,202	8,192	8,529	8,094	7,631	8,183	8,457	8,720	8,674
40 U.S. parents' payments	17,529	3,749	4,181	4,607	4,992	4,329	4,805	4,062	4,287	4,657	4,522	4,705	4,915
41 U.S. affiliates' payments	14,838	3,867	3,315	3,446	4,210	3,863	3,724	4,032	3,344	3,526	3,935	4,015	3,759
42 Unaffiliated services	37,069	8,865	9,246	9,486	9,472	9,676	10,026	8,993	9,245	9,304	9,527	9,804	10,012
43 Education	2,466	471	615	807	573	510	667	597	612	624	627	639	653
44 Financial services	3,665	975	999	834	857	939	925	975	999	834	857	939	925
45 Insurance services	15,348	3,533	3,756	3,948	4,111	4,250	4,374	3,533	3,756	3,948	4,111	4,250	4,374
46 Telecommunications	4,180	1,112	1,050	1,023	996	966	961	1,112	1,050	1,023	996	966	961
47 Business, professional, and technical services	10,732	2,613	2,658	2,702	2,759	2,830	2,916	2,613	2,658	2,702	2,759	2,830	2,916
48 Other unaffiliated services ³	679	161	169	173	176	180	183	161	169	173	176	180	183
Supplemental detail on insurance transactions:													
49 Premiums received	11,937	2,649	2,916	3,124	3,248	3,265	3,277	2,649	2,916	3,124	3,248	3,265	3,277
50 For insurance services ⁴ (line 21)	2,839	663	701	735	740	742	740	663	701	735	740	742	740
51 For loss settlement ⁵	9,098	1,986	2,215	2,389	2,508	2,523	2,537	1,986	2,215	2,389	2,508	2,523	2,537
52 Actual losses paid ⁵	8,619	2,199	2,158	2,131	2,131	2,176	2,236	2,199	2,158	2,131	2,131	2,176	2,236
53 Premiums paid	47,156	11,416	11,663	11,902	12,175	12,472	12,826	11,416	11,663	11,902	12,175	12,472	12,826
54 For insurance services ⁴ (line 45)	15,348	3,533	3,756	3,948	4,111	4,250	4,374	3,533	3,756	3,948	4,111	4,250	4,374
55 For loss settlement ⁵	31,808	7,882	7,907	7,954	8,064	8,222	8,452	7,882	7,907	7,954	8,064	8,222	8,452
56 Actual losses recovered ⁵	30,914	7,123	7,658	8,003	8,130	8,026	7,704	7,123	7,658	8,003	8,130	8,026	7,704
Memoranda:													
57 Balance on goods (table F.2, line 71)	-482,872	-96,947	-116,868	-134,059	-134,998	-126,994	-133,346	-106,033	-121,286	-123,312	-132,241	-136,018	-137,979
58 Balance on private services (line 1 minus line 25)	74,261	20,488	15,387	18,256	20,130	20,323	14,605	18,131	18,841	18,429	18,857	17,779	18,095
59 Balance on goods and private services (lines 57 and 58)	-408,611	-76,459	-101,481	-115,803	-114,868	-106,671	-118,741	-87,902	-102,445	-104,883	-113,384	-118,239	-119,884

^p Preliminary.^r Revised.

1. Includes royalties, license fees, and other fees associated with the use of intangible assets, including patents, trade secrets, and other proprietary rights, that are used in connection with the production of goods.

2. Includes royalties, license fees, and other fees associated with the use of copyrights, trademarks, franchises, rights to broadcast live events, software license fees, and other intangible property rights.

3. Other unaffiliated services receipts (exports) include mainly expenditures of foreign governments and international organiza-

tions in the United States and film and television tape rentals. Payments (imports) include mainly expenditures of U.S. residents temporarily working abroad and film and television tape rentals.

4. Includes charges for auxiliary insurance services.

5. Beginning in 1992, the net result of (line 51 - line 52) - (line 55 - line 56) is recorded in "private remittances and other transfers" (table F.2, line 38).

Source: Table 3 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the SURVEY OF CURRENT BUSINESS.

Footnotes to Tables F.2. and F.3.

Footnotes to Tables F.2 and F.3:

1. Credits, +; Exports of goods and services and income receipts; unilateral current transfers to the United States; capital account transactions receipts; financial inflows—increase in foreign-owned assets (U.S. liabilities) or decrease in U.S.-owned assets (U.S. claims).

Debits, -; Imports of goods and services and income payments; unilateral current transfers to foreigners; capital accounts transactions payments; financial outflows—decrease in foreign-owned assets (U.S. liabilities) or increase in U.S.-owned assets (U.S. claims).

2. Excludes exports of goods under U.S. military agency sales contracts identified in Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics to balance of payments basis; see table 2 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the SURVEY OF CURRENT BUSINESS.

3. Includes some goods: Mainly military equipment in line 5; major equipment, other materials, supplies, and petroleum products purchased abroad by U.S. military agencies in line 22; and fuels purchased by airline and steamship operators in lines 8 and 25.

4. Includes transfers of goods and services under U.S. military grant programs.

5. Beginning in 1992, these lines are presented on a gross basis. The definition of exports is revised to exclude U.S. parents' payments to foreign affiliates and to include U.S. affiliates' receipts from foreign parents. The definition of imports is revised to include U.S. parents' payments to foreign affiliates and to exclude U.S. affiliates' receipts from foreign parents.

6. Beginning in 1992, the "other transfers" component includes taxes paid by U.S. private residents to foreign governments and taxes paid by private nonresidents to the U.S. Government.

7. At the present time, all U.S. Treasury-owned gold is held in the United States.

8. Includes sales of foreign obligations to foreigners.

9. Consists of bills, certificates, marketable bonds and notes, and nonmarketable convertible and nonconvertible bonds and notes.

10. Consists of U.S. Treasury and Export-Import Bank obligations, not included elsewhere, and of debt securities of U.S. Government corporations and agencies.

11. Includes, primarily, U.S. Government liabilities associated with military agency sales contracts and other transactions arranged with or through foreign official agencies; see table 4 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the Survey.

12. Consists of investments in U.S. corporate stocks and in debt securities of private corporations and State and local governments.

13. Conceptually, line 76 is equal to "net foreign investment" in the national income and product accounts (NIPAs). However, the foreign transactions account in the NIPAs (a) includes adjustments to the international transactions accounts for the treatment of gold, (b) includes adjustments for the different geographical treatment of transactions with U.S. territories and Puerto Rico, and (c) includes services furnished without payment by financial pension plans except life insurance carriers and private noninsured pension plans. A reconciliation of the balance on goods and services from the international accounts and the NIPA net exports appears in reconciliation table 2 in appendix A in this issue of the Survey. A reconciliation of the other foreign transactions in the two sets of accounts appears in table 4.5 of the full set of NIPA tables.

Additional footnotes to Table F.3:

14. The "European Union" includes the "European Union (6)" United Kingdom, Denmark, Ireland, Greece, Spain, and Portugal. Beginning with the first quarter of 1995, the "European Union" also includes Austria, Finland, and Sweden.

15. The "European Union (6)" includes Belgium, France, Germany (includes the former German Democratic Republic (East Germany) beginning in the fourth quarter of 1990), Italy, Luxembourg, Netherlands, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank.

G. Investment Tables

Table G.1. International Investment Position of the United States at Yearend, 2001 and 2002

[Millions of dollars]

Line	Type of investment	Position, 2001 ¹	Changes in position in 2001 (decrease (-))				Total (a+b+c+d)	Position, 2002 ²
			Attributable to:					
			Financial flows	Valuation adjustments				
				Price changes	Exchange rate changes ¹	Other changes ²		
(a)	(b)	(c)	(d)	(a+b+c+d)				
Net international investment position of the United States:								
1	With direct investment positions at current cost (line 3 less line 24)	-1,979,906	-527,998	-83,284	147,129	56,848	-407,305	-2,387,211
2	With direct investment positions at market value (line 4 less line 25)	-2,314,271	-527,998	-42,105	230,053	49,166	-290,884	-2,605,155
U.S.-owned assets abroad:								
3	With direct investment positions at current cost (lines 5+10+15)	6,187,410	178,985	-365,107	182,335	5,568	1,781	6,189,191
4	With direct investment positions at market value (lines 5+10+16)	6,891,251	178,985	-847,812	264,660	-13,542	-417,689	6,473,562
5	U.S. official reserve assets	129,961	3,681	18,492	6,482	-14	28,641	158,602
6	Gold	72,328		³ 18,492		⁴ -14	18,478	90,806
7	Special drawing rights	10,783	475		908		1,383	12,166
8	Reserve position in the International Monetary Fund	17,869	2,632		1,478		4,110	21,979
9	Foreign currencies	28,981	574		4,096		4,670	33,651
10	U.S. Government assets, other than official reserve assets	85,654	32				32	85,686
11	U.S. credits and other long-term assets 5	83,132	-73				-73	83,059
12	Repayable in dollars	82,854	-69				-69	82,785
13	Other 6	278	-4				-4	274
14	U.S. foreign currency holdings and U.S. short-term assets	2,522	105				105	2,627
U.S. private assets:								
15	With direct investment at current cost (lines 17+19+22+23)	5,971,795	175,272	-383,599	175,853	5,582	-26,892	5,944,903
16	With direct investment at market value (lines 18+19+22+23)	6,675,636	175,272	-866,304	258,198	-13,528	-446,362	6,229,274
Direct investment abroad:								
17	At current cost	1,598,072	137,836	-5,215	25,577	-4,418	153,780	1,751,852
18	At market value	2,301,913	137,836	-487,920	107,922	-23,528	-285,690	2,036,223
19	Foreign securities	2,114,734	-15,801	-378,384	126,427		-267,758	1,846,976
20	Bonds	502,061	-33,478	21,274	11,927		-277	501,784
21	Corporate stocks	1,612,673	17,677	-399,658	114,500		-267,481	1,345,192
22	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	835,780	31,880		13,301	10,000	55,181	890,961
23	U.S. claims reported by U.S. banks, not included elsewhere	1,423,209	21,357		10,548		31,905	1,455,114
Foreign-owned assets in the United States:								
24	With direct investment at current cost (lines 26+33)	8,167,316	706,983	-281,823	35,206	-51,280	409,086	8,576,402
25	With direct investment at market value (lines 26+34)	9,205,522	706,983	-805,707	34,627	-62,708	-126,805	9,078,717
26	Foreign official assets in the United States	1,027,194	94,860	10,476			105,336	1,132,530
27	U.S. Government securities	798,844	73,521	25,640			99,161	898,005
28	U.S. Treasury securities	650,703	43,144	16,761			59,905	710,608
29	Other	148,141	30,377	8,879			39,256	187,397
30	Other U.S. Government liabilities 7	17,007	137				137	17,144
31	U.S. liabilities reported by U.S. banks, not included elsewhere	123,425	17,594				17,594	141,019
32	Other foreign official assets	87,918	3,608	-15,164			-11,556	76,362
Other foreign assets:								
33	With direct investment at current cost (lines 35+37+38+41+42+43)	7,140,122	612,123	-292,299	35,206	-51,280	303,750	7,443,872
34	With direct investment at market value (lines 36+37+38+41+42+43)	8,178,328	612,123	-816,183	34,627	-62,708	-232,141	7,946,187
Direct investment in the United States:								
35	At current cost	1,514,374	39,633	-6,060	579	-44,098	-9,946	1,504,428
36	At market value	2,552,580	39,633	-529,944		-55,526	-545,837	2,006,743
37	U.S. Treasury securities	389,000	96,217	18,413			114,630	503,630
38	U.S. securities other than U.S. Treasury securities	2,855,705	291,492	-304,652	18,570		5,410	2,861,115
39	Corporate and other bonds	1,391,616	236,309	43,801	18,570		298,680	1,690,296
40	Corporate stocks	1,464,089	55,183	-348,453			-293,270	1,170,819
41	U.S. currency	275,569	21,513				21,513	297,082
42	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	799,120	72,142		6,179	-7,182	71,139	870,259
43	U.S. liabilities reported by U.S. banks, not included elsewhere	1,306,354	91,126		9,878		101,004	1,407,358

¹ Preliminary.² Revised.

1. Represents gains or losses on foreign-currency-denominated assets due to their revaluation at current exchange rates.

2. Includes changes in coverage, capital gains and losses of direct investment affiliates, and other statistical adjustments to the value of assets.

3. Reflects changes in the value of the official gold stock due to fluctuations in the market price of gold.

4. Reflects changes in gold stock from U.S. Treasury sales of gold medallions and commemorative and bullion coins; also reflects replenishment through open market purchases. These demonetizations/monetizations are not included in international transactions financial flows.

5. Also includes paid-in capital subscriptions to international financial institutions and resources provided to foreigners under foreign assistance programs requiring repayment over several years. Excludes World War I debts that are not being serviced.

6. Includes indebtedness that the borrower may contractually, or at its option, repay with its currency, with a third country's currency, or by delivery of materials or transfer of services.

7. Primarily U.S. Government liabilities associated with military sales contracts and other transactions arranged with or through foreign official agencies.

Source: Table 1 in "The International Investment Position of the United States at Yearend 2002" in the July 2003 issue of the SURVEY OF CURRENT BUSINESS.

Table G.2. U.S. Direct Investment Abroad: Selected Items, by Country of Foreign Affiliate and by Industry of Foreign Affiliate, 1999-2002

(Millions of dollars)

	Direct investment position on a historical-cost basis				Capital outflows (inflows (-))				Income			
	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
All countries, all industries	1,215,960	1,316,247	1,383,225	1,520,965	209,392	142,627	103,767	119,742	114,348	133,692	107,060	123,889
By country of foreign affiliate												
Canada	119,590	132,472	141,789	152,522	22,824	16,899	15,510	12,893	13,529	16,181	11,881	11,098
Europe	627,754	687,320	716,901	796,913	109,484	77,976	44,720	66,761	58,289	65,574	51,133	59,487
<i>Of which:</i>												
France	43,120	42,628	40,839	43,978	2,111	1,967	-118	2,132	1,781	2,370	1,722	1,884
Germany	53,399	55,506	65,800	64,739	5,658	3,811	11,046	-4654	5,086	4,736	3,879	2,991
Ireland	25,157	35,903	35,712	41,636	4,741	9,823	196	4,870	4,167	5,773	4,375	4,652
Netherlands	121,315	115,429	126,076	145,474	13,320	961	12,828	18,325	13,646	13,402	12,096	14,401
Switzerland	40,532	55,377	60,675	70,051	6,929	8,687	4,029	7,673	6,686	5,027	4,974	7,861
United Kingdom	216,638	230,762	238,773	255,391	47,265	28,317	15,720	18,871	13,629	19,099	9,665	11,250
Latin America and Other Western Hemisphere	253,928	266,576	282,328	272,363	44,658	23,212	26,152	8,610	19,686	19,796	18,860	16,809
<i>Of which:</i>												
Bermuda	50,847	60,114	66,144	68,856	6,871	9,363	6,704	4,238	4,655	6,446	6,137	4,758
Brazil	37,184	36,717	35,523	31,715	5,672	3,350	769	181	1,180	1,621	1,294	766
Mexico	37,151	39,352	56,554	58,074	8,164	4,203	15,305	3,627	4,350	4,431	4,251	4,532
United Kingdom Islands, Caribbean	29,762	33,451	30,242	29,252	11,264	989	-20	-719	2,466	1,606	2,813	3,132
Africa	13,118	11,891	13,411	15,066	596	716	1,120	861	1,803	2,010	1,537	1,938
Middle East	10,950	10,863	12,351	14,154	1,000	1,375	1,585	1,837	1,334	2,272	1,375	1,864
Asia and Pacific	190,621	207,125	216,445	269,947	30,831	22,449	14,680	28,779	19,707	27,861	22,274	32,694
<i>Of which:</i>												
Australia	35,386	34,838	32,574	36,337	4,868	890	-396	3,726	2,397	3,415	1,702	2,596
Hong Kong	22,759	27,447	32,089	35,764	4,447	4,922	4,407	2,035	3,170	5,163	4,785	4,962
Japan	55,120	57,091	58,233	65,676	10,602	4,295	2,322	4,482	4,146	5,988	4,767	6,807
Singapore	20,665	24,133	26,749	61,361	3,863	3,688	3,820	11,407	2,604	4,045	2,600	10,060
By industry of foreign affiliate												
Mining	72,526	72,111	78,319	80,976	9,298	2,174	12,823	9,011	8,451	13,164	10,011	10,165
Utilities	22,472	21,964	23,214	20,932	1,296	2,466	2,436	-3301	1,503	1,610	1,574	1,552
Manufacturing	327,282	343,899	365,924	392,553	39,672	43,002	29,899	29,510	35,637	42,230	32,234	31,279
<i>Of which:</i>												
Food	23,268	23,497	24,681	28,240	1,111	2,014	2,274	3,893	3,020	2,681	2,626	3,440
Chemicals	81,727	75,807	93,779	99,371	9,007	3,812	8,270	10,116	9,026	11,552	10,313	12,065
Primary and fabricated metals	21,569	21,644	22,699	24,359	2,068	1,233	1,251	1,814	1,552	1,536	1,379	973
Machinery	21,501	22,229	21,292	22,025	2,785	2,659	-845	161	2,048	2,257	1,261	1,412
Computers and electronic products	46,783	59,909	65,559	69,208	9,631	17,303	8,659	922	6,430	8,860	5,868	3,764
Electrical equipment, appliances, and components	8,212	10,005	10,118	10,166	1,136	2,100	1,115	100	998	1,079	478	397
Transportation equipment	43,322	49,887	44,210	48,378	4,482	7,814	2,809	3,238	4,770	4,107	1,921	1,477
Wholesale trade	86,313	93,936	102,322	114,895	11,029	11,938	9,096	7,182	12,414	14,198	13,002	13,229
Information	50,062	52,345	50,492	53,841	14,180	16,531	3,519	1,533	752	-964	-3491	237
Depository institutions (banking)	40,879	40,152	52,681	52,935	903	-1274	9,715	-1185	968	2,191	2,662	2,270
Finance (except depository institutions) and insurance	198,749	217,086	225,556	244,480	27,833	21,659	5,807	25,775	13,097	15,210	8,430	14,005
Professional, scientific, and technical services	29,968	32,868	34,704	38,307	7,238	5,441	3,442	2,448	2,985	3,548	2,084	2,968
Other industries	387,709	441,886	450,013	522,047	97,944	40,690	27,030	48,769	38,542	42,504	40,555	48,184

Note. In this table, unlike in the international transactions accounts, income and capital outflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 16 and 17 in "U.S. Direct Investment Abroad: Detail for Historical-Cost Position and Related Capital and Income Flows, 2002" in the September 2003 issue of the SURVEY OF CURRENT BUSINESS.

Table G.3. Selected Financial and Operating Data for Nonbank Foreign Affiliates of U.S. Companies by Country and by Industry of Affiliate, 2001

	All nonbank affiliates						Majority-owned nonbank foreign affiliates (MOFAs)						
	Millions of dollars					Thousands of employees	Millions of dollars						Thousands of employees
	Total assets	Sales	Net income	U.S. exports of goods shipped to affiliates	U.S. imports of goods shipped by affiliates		Total assets	Sales	Net income	Gross product	U.S. exports of goods shipped to affiliates	U.S. imports of goods shipped by affiliates	
All countries, all industries	5,836,225	2,929,609	192,147	205,030	211,761	9,775.6	5,225,797	2,520,556	176,380	583,444	198,547	197,436	8,193.4
By country													
Canada	509,564	367,216	17,401	65,303	77,041	1,156.3	464,038	334,124	16,417	71,527	63,501	71,871	1,044.2
Europe	3,393,748	1,459,546	103,812	48,873	38,400	4,168.5	3,170,144	1,311,967	97,126	317,983	47,906	37,928	3,749.4
<i>Of which:</i>													
France	190,604	134,870	3,770	4,606	2,966	578.3	166,117	121,962	3,899	34,367	4,079	2,845	540.5
Germany	320,810	240,718	9,042	7,436	5,086	652.6	268,999	199,178	8,309	57,710	7,352	5,067	601.0
Netherlands	423,488	141,185	23,810	9,029	2,571	230.1	398,356	112,599	22,397	20,362	8,807	2,425	175.8
United Kingdom	1,432,135	428,171	8,059	(D)	8,648	1,279.9	1,391,209	415,338	8,451	103,143	11,746	8,637	1,204.8
Latin America and Other Western Hemisphere	884,540	371,684	33,697	44,834	50,769	2,005.1	746,829	306,912	29,120	64,315	43,363	48,126	1,585.7
<i>Of which:</i>													
Brazil	126,088	73,180	-1,769	3,615	1,810	406.4	94,336	59,760	-1,360	14,547	3,523	1,666	348.0
Mexico	128,203	132,068	6,087	34,635	42,782	1,016.7	98,261	107,293	4,409	19,891	33,595	41,177	801.8
Africa	67,280	42,145	3,541	786	(D)	241.0	51,299	33,597	2,900	12,271	707	4,066	139.1
Middle East	55,581	34,815	2,641	922	(D)	93.1	24,964	18,213	1,938	7,354	854	810	60.2
Asia and Pacific	925,513	654,203	31,055	44,312	40,560	2,111.7	768,522	515,743	28,879	109,995	42,216	34,636	1,614.8
<i>Of which:</i>													
Australia	111,608	69,448	2,632	4,726	1,082	316.9	101,371	58,563	2,407	18,427	4,662	1,080	265.3
Japan	345,333	241,072	7,247	14,585	7,899	494.6	263,034	157,228	6,437	37,376	13,222	2,231	235.1
By industry													
Mining	256,604	103,016	18,128	1,478	10,614	167.8	234,459	92,043	15,430	55,188	1,315	9,766	147.9
Utilities	188,456	97,564	3,115	5	(D)	114.8	138,199	75,222	1,512	11,203	4	154	77.9
Manufacturing	1,202,034	1,329,898	55,120	133,591	180,050	5,074.3	1,024,761	1,148,329	50,941	300,819	129,108	166,801	4,308.8
<i>Of which:</i>													
Food	67,572	93,164	4,030	4,487	3,084	425.6	60,970	83,807	3,676	18,668	4,209	3,017	376.9
Chemicals	309,369	230,312	18,425	18,067	14,338	631.0	274,113	205,790	17,643	57,617	17,266	13,771	567.3
Primary and fabricated metals	58,613	45,790	1,766	3,407	3,916	255.6	52,309	39,778	1,485	11,908	3,249	3,836	235.0
Machinery	69,322	75,101	2,188	7,751	8,121	403.3	55,781	60,244	1,981	16,725	7,362	7,308	339.6
Computers and electronic products	160,111	207,822	9,237	28,919	44,884	747.3	153,848	203,268	9,391	36,038	28,671	44,573	719.6
Electrical equipment, appliances, and components	27,264	31,000	829	2,756	4,751	264.4	23,977	27,480	753	6,945	2,658	4,151	223.4
Transportation equipment	207,235	306,862	2,251	53,746	83,741	1,047.1	160,937	252,092	1,812	44,606	51,766	73,646	893.0
Wholesale trade	396,093	698,852	17,716	62,016	18,869	831.7	378,528	663,352	16,562	92,713	60,711	18,736	783.1
Information	295,805	165,558	-13,582	(D)	(D)	700.8	123,481	76,457	-14,928	19,388	677	(D)	339.2
Finance (except depository institutions) and insurance	2,028,161	211,006	19,853	9	0	343.9	1,955,630	198,581	19,282	23,511	9	0	320.2
Professional, scientific, and technical services	124,005	86,417	5,547	(D)	899	437.8	120,741	81,794	5,395	30,926	1,529	(D)	409.4
Other industries	1,345,067	237,298	86,250	5,592	(D)	2,104.5	1,249,998	184,778	82,186	49,695	5,195	995	1,806.9

D Suppressed to avoid disclosure of data of individual companies.

Note: The data in this table are from "U.S. Multinational Companies: Operations in 2001" in the November 2003 issue of the SURVEY OF CURRENT BUSINESS.

Table G.4. Foreign Direct Investment in the United States: Selected Items, by Country of Foreign Parent and by Industry of U.S. Affiliate, 1999–2002

[Millions of dollars]

	Direct investment position on a historical-cost basis				Capital inflows (outflows (-))				Income			
	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
All countries, all industries	955,726	1,256,667	1,355,114	1,347,994	283,376	314,007	143,980	30,032	46,385	47,921	8,699	38,821
By country of foreign parent												
Canada	90,559	114,309	102,127	92,041	26,367	27,258	12,957	-3,577	2,215	849	-5,817	-1,233
Europe	639,923	887,014	1,005,606	1,006,530	223,406	251,041	127,859	25,956	36,753	38,766	17,454	32,348
<i>Of which:</i>												
France	89,945	125,740	148,282	170,619	29,834	51,001	12,146	16,097	2,954	3,633	5,477	5,052
Germany	112,126	122,412	164,017	137,036	23,478	14,054	37,939	-4,607	6,123	2,140	-8,155	-2,906
Luxembourg	35,644	58,930	34,111	34,349	6,887	30,864	-21,654	-1,327	2,241	4,711	2,675	1,220
Netherlands	125,010	138,894	157,596	154,753	41,689	33,517	25,193	-4,989	7,299	8,776	3,739	5,652
Switzerland	52,973	64,719	118,447	113,232	2,503	12,124	52,580	1,907	2,844	2,782	1,089	5,137
United Kingdom	153,797	277,613	269,321	283,317	108,566	82,652	4,891	14,851	11,899	13,347	10,368	12,309
Latin America and Other Western Hemisphere	40,771	53,691	54,082	52,291	16,929	12,741	3,435	-1,190	2,397	2,382	-3,567	-458
<i>Of which:</i>												
Bermuda	14,798	18,336	4,611	977	10,338	2,965	-8,734	-3,012	41	-204	-5,076	-2,928
Mexico	1,999	7,462	7,336	7,857	1,273	5,062	-320	1,281	175	-142	-716	-369
Panama	5,275	3,819	4,391	5,668	-226	-1,087	303	1,824	752	647	499	844
United Kingdom Islands, Caribbean	11,573	15,191	26,200	25,502	4,137	3,800	13,069	-1,419	1,527	1,627	1,264	720
Africa	1,361	2,700	2,397	2,344	423	666	-374	28	-66	31	-198	36
Middle East	4,362	6,506	6,145	6,766	376	2,389	-334	560	156	241	220	-89
Asia and Pacific	178,749	192,647	184,757	188,023	15,876	19,912	438	8,253	4,931	5,651	808	8,218
<i>Of which:</i>												
Australia	15,616	18,775	22,289	24,470	4,193	4,935	5,675	4,258	643	356	1,488	749
Japan	153,815	159,690	150,008	152,032	11,555	7,820	-4,005	4,970	4,006	5,182	-110	7,323
Singapore	1,365	5,087	3,490	2,902	-560	5,911	-1,467	-530	101	-123	-164	-75
By industry of U.S. affiliate												
Manufacturing	406,415	480,561	484,042	470,893	82,382	105,119	36,855	4,445	28,855	24,744	5,288	21,706
<i>Of which:</i>												
Food	15,015	18,073	15,240	15,113	-1,637	2,281	-2,735	1,427	1,246	1,076	528	-71
Chemicals	96,614	120,413	123,748	112,602	7,435	25,466	9,236	-10,519	6,236	4,572	3,413	7,326
Primary and fabricated metals	18,831	24,184	19,217	18,482	2,881	8,199	-3,219	1,038	886	1,121	-287	114
Machinery	30,462	32,283	32,924	35,502	17,878	2,175	1,553	1,150	886	1,003	582	-131
Computers and electronic products	62,566	92,782	58,053	54,040	29,481	33,073	-1,282	-2,598	634	2,395	-4,965	-1,543
Electrical equipment, appliances, and components	13,413	43,109	61,103	53,834	4,206	13,333	17,878	376	585	2,033	22	4,454
Transportation equipment	52,809	55,750	60,881	61,570	7,153	1,653	9,719	5,814	6,946	4,284	1,772	4,204
Wholesale trade	106,745	173,991	177,396	188,819	16,458	52,501	6,962	10,815	6,066	13,569	9,347	13,067
Retail trade	22,387	26,703	28,323	28,341	3,335	4,111	5,183	548	1,152	1,519	674	2,008
Information	78,035	146,856	199,809	185,408	81,894	25,207	47,436	8,074	-22	-3,996	-12,000	-4,354
Depository institutions (banking)	61,972	64,236	71,628	80,726	19,471	5,775	7,329	4,132	2,974	3,590	2,715	2,431
Finance (except depository institutions) and insurance	132,203	167,007	174,109	162,853	35,185	50,990	18,659	-7,887	3,185	3,782	-433	305
Real estate and rental and leasing	47,816	49,985	49,828	50,769	5,948	3,473	-2,645	1,781	1,211	2,382	1,562	1,866
Professional, scientific, and technical services	11,682	30,492	41,659	40,245	5,826	34,136	9,952	1,414	-66	-166	-20	5
Other industries	88,473	117,037	128,320	139,939	32,876	32,695	14,250	6,710	3,029	2,496	1,766	1,787

NOTE: In this table, unlike in the international transactions accounts, income and capital inflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 16 and 17 in "Foreign Direct Investment in the United States: Detail for Historical-Cost Position and Related Capital and Income Flows, 2002" in the September 2003 issue of the Survey of Current Business.

Table G.5. Selected Financial and Operating Data of Nonbank U.S. Affiliates of Foreign Companies by Country of Ultimate Beneficial Owner and by Industry of Affiliate, 2001

	All nonbank affiliates							Majority-owned nonbank affiliates						
	Millions of dollars				Thousands of employees	Millions of dollars		Millions of dollars				Thousands of employees	Millions of dollars	
	Total assets	Sales	Net income	Gross product		U.S. exports of goods shipped by affiliates	U.S. imports of goods shipped to affiliates	Total assets	Sales	Net income	Gross product		U.S. exports of goods shipped by affiliates	U.S. imports of goods shipped to affiliates
All countries, all industries	5,466,000	2,354,136	-42,902	486,553	6,371.9	163,641	369,488	4,732,536	2,085,727	-48,608	428,109	5,671.5	149,323	352,861
By country														
Canada	385,328	156,413	-18,848	34,648	562.2	9,497	16,596	367,143	146,772	-18,694	30,843	509.4	9,143	16,170
Europe	3,732,776	1,389,403	-18,654	308,241	4,251.0	86,263	145,454	3,523,089	1,249,018	-20,864	275,753	3,894.9	78,431	139,964
Of which:														
France	534,536	188,096	-5,085	39,975	578.6	16,011	19,154	490,219	168,649	-3,309	37,376	505.5	10,464	(D)
Germany	687,828	313,897	-12,786	50,180	734.8	30,173	55,981	671,073	302,392	-12,734	46,985	699.4	29,665	55,687
Netherlands	620,025	244,594	1,964	44,685	571.9	6,717	16,496	598,268	(D)	(D)	40,309	558.3	(D)	(D)
Sweden	65,477	41,001	-852	10,494	248.8	3,866	4,171	64,968	40,263	-813	10,133	241.4	3,846	4,141
Switzerland	818,244	127,686	-4,425	36,080	546.8	7,216	8,461	793,647	115,143	-4,435	30,374	452.4	7,110	8,298
United Kingdom	841,184	353,895	4,474	100,338	1,120.7	15,985	26,366	755,051	319,860	2,372	87,941	1,037.7	15,394	26,046
Latin America and Other Western Hemisphere	250,890	138,681	-7,725	33,724	456.3	10,587	18,547	237,244	118,571	-7,848	29,631	355.8	10,357	15,735
Of which:														
Bermuda	149,960	57,834	-7,353	14,079	225.4	6,293	1,937	(D)	(D)	(D)	14,008	223.8	6,284	1,932
Mexico	29,957	29,809	-825	6,303	143.8	(D)	3,409	21,173	16,291	-670	3,270	50.1	(D)	2,774
Panama	1,750	1,194	-9	510	6.6	127	64	1,637	1,134	-15	492	6.5	127	64
United Kingdom Islands, Caribbean	44,411	(D)	(D)	2,002	34.8	(D)	1,555	43,927	9,596	-322	1,910	33.3	(D)	1,555
Venezuela	11,815	25,635	794	6,445	7.7	343	(D)	(D)	(D)	(D)	(D)	H	(D)	(D)
Africa	8,145	5,559	22	1,126	11.0	639	254	(D)	(D)	(D)	(D)	J	(D)	249
Middle East	25,621	32,251	928	8,819	48.2	846	7,801	23,557	30,805	969	8,298	39.8	842	7,744
Asia and Pacific	656,210	576,886	-5,424	87,368	965.1	54,017	179,590	555,586	518,444	-3,576	76,499	829.7	48,205	171,845
Of which:														
Australia	68,610	31,243	-3,601	8,251	80.4	1,715	1,328	60,231	25,526	-3,414	7,171	66.4	(D)	782
Japan	536,435	481,598	99	71,663	786.8	43,725	153,342	449,523	437,268	1,576	62,983	683.6	40,728	149,817
United States	407,029	54,944	6,798	12,627	78.1	1,792	1,245	(D)	(D)	(D)	(D)	K	(D)	1,153
By industry ¹														
Manufacturing	1,151,660	952,003	-22,025	225,483	2,569.8	99,394	144,995	1,066,060	829,797	-22,524	204,508	2,355.7	88,818	131,019
Of which:														
Food	59,196	49,269	-74	11,362	153.0	2,364	3,953	57,730	46,268	-136	10,762	143.2	2,242	3,879
Chemicals	263,557	174,681	-630	44,412	385.2	16,935	20,704	244,245	160,158	-1,138	40,640	354.4	15,872	20,404
Primary and fabricated metals	61,158	63,091	83	17,014	211.7	5,588	8,525	52,230	54,127	-19	15,167	196.5	4,483	7,667
Machinery	95,222	72,510	-1,592	21,325	309.9	8,572	8,773	93,528	71,023	-595	21,275	303.5	8,357	8,464
Computers and electronic products	111,804	98,870	-19,162	21,566	256.6	17,421	24,184	98,829	85,648	-18,673	18,455	224.9	12,478	17,040
Electrical equipment, appliances, and components	118,087	49,658	-1,509	12,777	198.8	6,080	3,056	117,844	49,279	-1,527	12,689	197.7	5,958	3,001
Transportation equipment	206,515	198,389	-2,472	32,166	389.2	29,788	50,651	199,646	187,749	-2,658	29,685	361.7	(D)	(D)
Wholesale trade	411,476	653,230	8,227	85,241	596.6	58,099	213,468	403,192	631,713	7,769	81,839	563.8	54,537	211,182
Retail trade	83,705	137,142	-989	30,131	776.5	1,443	5,114	63,854	115,413	-605	25,311	630.8	1,422	4,824
Information	334,134	98,779	-19,709	18,372	307.4	(D)	242	245,267	71,410	-19,886	8,444	235.0	(D)	(D)
Of which:														
Publishing industries	59,148	28,976	-4,059	7,698	101.9	467	(D)	44,867	25,397	-3,228	6,321	86.8	455	140
Broadcasting and telecommunications	178,253	45,443	-12,434	4,263	94.2	(D)	2	(D)	(D)	(D)	(D)	(D)	(D)	2
Finance (except depository institutions) and insurance	2,922,634	253,305	-4,705	33,264	336.5	(*)	4	2,475,361	207,910	-10,954	24,139	278.7	(*)	4
Real estate and rental and leasing	118,683	24,197	2,395	11,255	44.6	(D)	455	106,962	21,240	2,040	9,652	35.8	(D)	455
Professional, scientific, and technical services	60,319	45,396	-3,395	15,178	202.4	405	313	52,073	41,891	-2,432	14,500	180.8	(D)	(D)
Other industries	383,390	190,084	-2,701	67,628	1,538.1	3,370	4,897	319,767	166,352	-2,017	59,716	1,390.9	3,255	4,846

D Suppressed to avoid disclosure of data of individual companies.
* Less than \$500,000.

1. The industry classification system used to classify the data for U.S. affiliates is based on the North American Industry Classification System. Prior to 1997, the affiliate data were classified using an industry classification system based on the Standard Industrial Classification system.

NOTES: The data in this table are from BEA's annual survey of the operations of U.S. affiliates of foreign companies; see "U.S. Affiliates of Foreign Companies: Operations in 2001," in the August 2003 issue of the SURVEY OF CURRENT BUSINESS. Size ranges are given in employment cells that are suppressed. The size ranges are: A—1 to 499; F—500 to 999; G—1,000 to 2,499; H—2,500 to 4,999; I—5,000 to 9,999; J—10,000 to 24,999; K—25,000 to 49,999; L—50,000 to 99,999; M—100,000 or more.

H. International Perspectives

The quarterly data in this table are shown in the middle month of the quarter.

Table H.1. International Perspectives

	2002					2003								
	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.
Unemployment rate (percent)														
Euro area	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8
France	9.1	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.5	9.6	9.6	9.7
Germany	9.9	9.9	9.9	10.0	10.1	10.3	10.5	10.6	10.7	10.6	10.6	10.6	10.6	10.5
Italy	9.0	.....	.....	8.9	.....	.....	9.0	.....	.....	.....	.....	.....	8.7	.....
Netherlands	4.2	4.3	4.3	4.4	4.4	4.5	4.9	5.1	5.4	5.5	5.4	5.3	5.4	.....
United Kingdom	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	.....
Japan	5.5	5.4	5.5	5.3	5.3	5.5	5.2	5.4	5.4	5.4	5.3	5.3	5.1	5.1
Singapore	4.6	.....	.....	4.2	.....	.....	4.5	.....	.....	4.5	.....	.....	.....	.....
South Korea	3.0	2.6	2.8	2.8	3.1	3.5	3.7	3.6	3.3	3.2	3.3	3.4	3.3	.....
Taiwan	5.4	5.3	5.3	5.2	5.0	5.0	5.2	5.1	4.9	5.0	5.1	5.2	5.2	.....
Canada	7.5	7.7	7.6	7.5	7.5	7.4	7.4	7.3	7.5	7.8	7.8	7.8	8.0	8.0
Mexico	2.8	3.1	2.7	2.6	2.1	2.7	2.7	2.8	2.9	2.7	3.3	3.5	4.0	3.9
United States	5.8	5.7	5.8	5.9	6.0	5.7	5.8	5.8	6.0	6.1	6.4	6.2	6.1	6.1
Short-term interest rate (percent per year)														
Euro area	3.35	3.31	3.26	3.12	2.94	2.83	2.69	2.53	2.54	2.41	2.15	2.13	2.14	2.15
France	3.32	3.25	3.17	3.02	2.86	2.79	2.67	2.44	2.46	2.32	2.07	2.07	2.09	2.08
Germany	3.33	3.29	3.24	3.11	2.93	2.81	2.67	2.51	2.52	2.39	2.13	2.11	2.12	2.13
Italy	3.20	3.11	3.01	2.94	2.69	2.60	2.43	2.34	2.36	2.20	1.98	1.98	2.07	2.08
Netherlands	3.35	3.31	3.26	3.12	2.94	2.83	2.69	2.53	2.53	2.40	2.15	2.13	2.14	2.15
United Kingdom	3.82	3.77	3.69	3.83	3.84	3.75	3.46	3.48	3.44	3.41	3.47	3.33	3.49	.....
Singapore	0.78	1.20	0.95	0.65	0.67	0.66	0.62	0.63	0.55	0.55	0.52	0.63	0.78	0.72
South Korea	4.80	4.81	4.91	4.91	4.90	4.70	4.54	4.76	4.62	4.39	4.28	4.15	3.90	3.83
Taiwan	1.86	1.90	1.91	1.73	1.52	1.37	1.21	1.19	1.16	1.11	1.09	0.85	0.85	0.90
Canada	3.00	2.83	2.81	2.73	2.67	2.81	2.86	3.14	3.24	3.20	3.13	2.81	2.70	2.60
Mexico	7.07	7.82	8.23	7.83	7.27	8.69	8.86	9.12	8.00	5.75	5.37	5.27	5.11	5.20
United States	1.62	1.63	1.58	1.23	1.19	1.17	1.17	1.13	1.13	1.07	0.92	0.90	0.95	0.94
Long-term interest rate (percent per year)														
Euro area	4.73	4.52	4.62	4.59	4.41	4.27	4.06	4.13	4.23	3.92	3.72	4.06	4.20	4.23
France	4.70	4.46	4.63	4.66	4.43	4.27	4.07	4.17	4.25	3.97	3.75	4.05	4.24	4.24
Germany	4.60	4.40	4.50	4.50	4.30	4.20	4.00	4.00	4.20	3.80	3.60	4.00	4.10	4.20
Italy	4.83	4.62	4.76	4.74	4.55	4.38	4.16	4.19	4.31	4.04	3.82	4.13	4.29	4.31
Netherlands	4.71	4.50	4.58	4.55	4.36	4.19	3.97	4.01	4.23	3.91	3.72	4.04	4.18	4.21
United Kingdom	4.64	4.45	4.59	4.64	4.62	4.44	4.39	4.54	4.67	4.46	4.39	4.65	4.68	.....
Japan	1.16	1.17	1.03	0.96	0.89	0.75	0.78	0.73	0.61	0.53	0.71	0.96	1.41	.....
Singapore	3.51	3.31	3.04	2.97	2.55	2.44	2.24	2.05	2.10	1.89	2.28	3.07	3.72	3.54
South Korea	6.24	6.16	6.11	5.80	5.77	5.43	5.15	5.20	5.03	4.68	4.46	4.95	5.26	4.77
Taiwan	3.37	3.23	2.99	2.82	2.48	1.96	1.90	1.93	1.91	1.49	1.42	1.81	2.24	2.77
Canada	5.14	4.92	5.16	5.18	4.88	5.02	4.93	5.13	4.90	4.50	4.37	4.78	4.96	4.64
United States	4.26	3.87	3.94	4.05	4.03	4.05	3.90	3.81	3.96	3.57	3.33	3.98	4.45	4.27
Real GDP (percent change from same quarter a year earlier)														
Euro area	1.0	.....	.....	1.1	.....	.....	0.7	.....	.....	.....	.....	.....	.....	.....
France	1.3	.....	.....	1.3	.....	.....	0.7	.....	.....	-0.3	.....	.....	.....	.....
Germany	0.9	.....	.....	0.3	.....	.....	0.4	.....	.....	-0.6	.....	.....	.....	.....
Italy	0.4	.....	.....	0.9	.....	.....	0.7	.....	.....	0.4	.....	.....	.....	.....
Netherlands	0.7	.....	.....	0.1	.....	.....	-0.2	.....	.....	-1.2	.....	.....	.....	.....
United Kingdom	1.9	.....	.....	2.0	.....	.....	1.8	.....	.....	2.0	.....	.....	.....	.....
Japan	1.6	.....	.....	2.3	.....	.....	2.9	.....	.....	3.0	.....	.....	.....	.....
Singapore	3.8	.....	.....	3.0	.....	.....	1.7	.....	.....	-4.2	.....	.....	.....	.....
South Korea	5.8	.....	.....	6.8	.....	.....	3.7	.....	.....	1.9	.....	.....	.....	.....
Taiwan	6.1	.....	.....	5.3	.....	.....	5.3	.....	.....	1.1	.....	.....	.....	.....
Canada	4.0	.....	.....	3.5	.....	.....	2.7	.....	.....	1.6	.....	.....	.....	.....
Mexico	1.8	.....	.....	1.9	.....	.....	2.3	.....	.....	0.2	.....	.....	.....	.....
United States	3.3	.....	.....	2.9	.....	.....	2.0	.....	.....	2.5	.....	.....	3.3	.....
Stock market prices (index number)														
France	53.77	44.37	50.32	53.14	48.94	46.93	43.99	41.83	47.18	47.79	49.26	51.28	52.89	50.08
Germany	52.70	39.30	44.75	47.12	41.05	39.00	36.15	34.40	41.76	42.33	45.71	49.50	49.46	46.22
Italy	59.63	50.96	55.50	60.29	55.36	53.20	54.19	50.93	56.12	58.57	58.13	59.16	59.59	58.42
Netherlands	56.34	44.93	51.98	54.88	48.93	44.71	40.36	37.68	42.85	42.54	44.20	48.13	49.94	46.51
United Kingdom	66.64	58.67	63.69	65.73	62.12	56.24	57.63	56.96	61.89	63.82	63.55	65.53	65.60	64.50
Japan	56.90	55.51	51.11	54.51	50.75	49.33	49.47	47.16	46.33	49.83	53.73	56.57	61.19	60.45
Singapore	72.76	66.10	71.53	68.02	65.55	63.13	62.27	61.97	62.63	65.94	70.77	76.20	78.17	79.71
South Korea	104.23	91.49	93.26	102.59	88.82	83.77	81.45	75.82	84.83	89.65	94.82	100.99	107.50	98.73
Taiwan	61.68	54.26	59.28	60.15	57.64	64.92	57.38	55.94	53.70	58.98	63.07	68.85	73.15	72.64
Canada	68.82	64.33	65.04	68.39	68.85	68.38	68.23	66.02	68.55	71.40	72.68	75.54	78.24	77.24
Mexico	95.52	88.02	91.70	94.60	94.14	91.49	91.07	90.87	100.03	102.93	108.40	113.01	116.64	120.19
United States	64.52	57.43	62.39	65.95	61.97	60.27	59.25	59.74	64.58	67.87	68.64	69.75	71.00	70.15
Exchange rate ¹														
Euro area (E)	0.98	0.98	0.98	1.00	1.02	1.06	1.08	1.08	1.09	1.16	1.17	1.14	1.12	1.13
United Kingdom (f)	1.54	1.56	1.56	1.57	1.59	1.62	1.61	1.58	1.57	1.62	1.66	1.62	1.59	1.62
Japan (Y)	118.99	121.08	123.91	121.61	121.89	118.81	119.34	118.69	119.90	117.37	118.33	118.70	118.66	114.80
Singapore (S\$)	1.76	1.77	1.78	1.77	1.75	1.74	1.75	1.76	1.78	1.74	1.74	1.76	1.75	1.75
South Korea (W)	1,197.51	1,211.61	1,240.19	1,210.20	1,206.61	1,176.45	1,190.37	1,237.20	1,231.10	1,201.23	1,194.14	1,181.16	1,178.60	1,165.40
Taiwan (NT\$)	33.88	34.57	34.95	34.67	34.80	34.57	34.73	34.72	34.82	34.70	34.63	34.40	34.32	34.00
Canada (Can\$)	1.57	1.58	1.58	1.57	1.56	1.54	1.51	1.48	1.46	1.38	1.35	1.38	1.40	1.36
Mexico (Ps)	9.84	10.07	10.09	10.20	10.23	10.62	10.95	10.91	10.59	10.25	10.50	10.46	10.78	10.92
United States (\$)	125.64	126.67	127.69	126.38	125.70	124.21	124.12	123.56	122.54	118.54	117.93	119.11	120.43	119.03

1. Figures for the Euro area and for the United Kingdom are in U.S. dollars per euro and per pound sterling, respectively. The rate for the United States is a weighted average of the foreign exchange value of the U.S. dollar against the currencies of a broad group of major U.S. trading partners. For other countries, figures are in currency units per U.S. dollar.

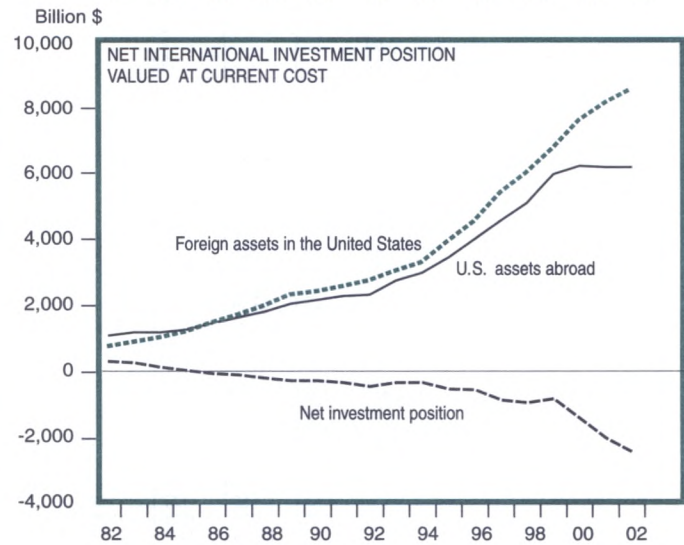
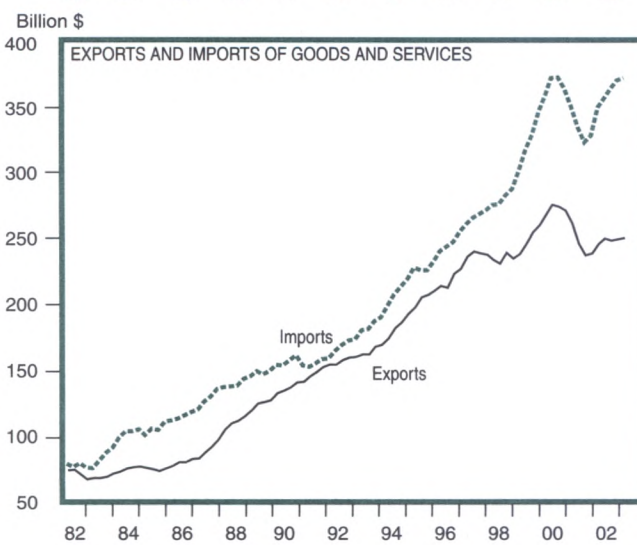
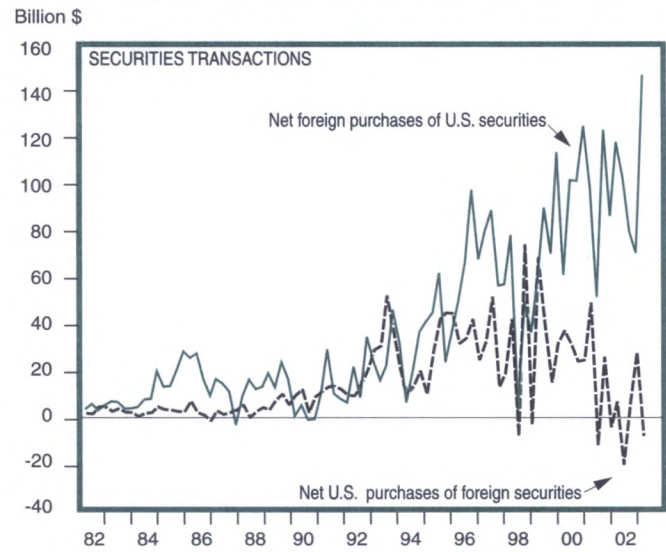
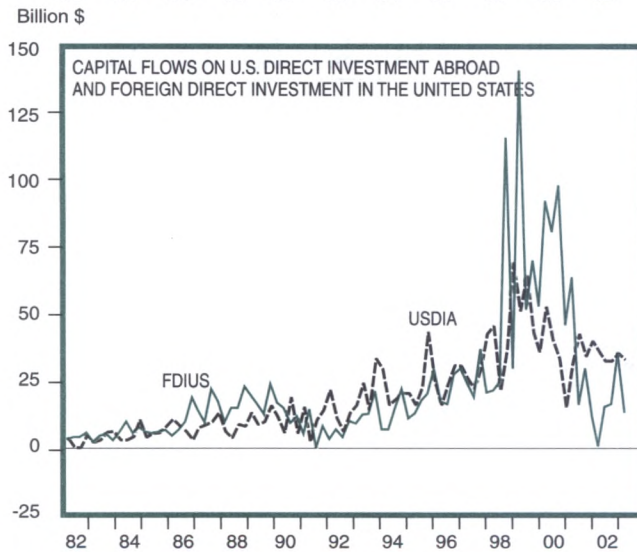
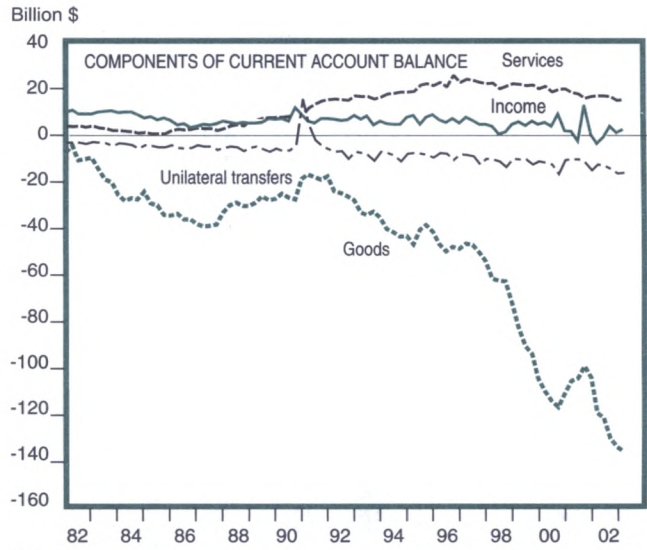
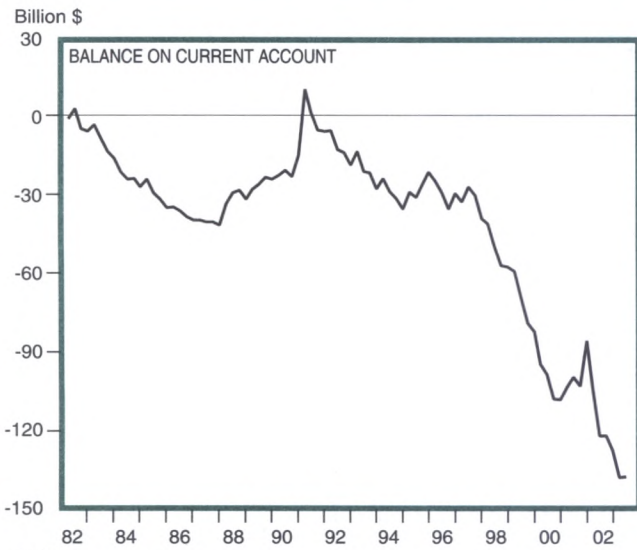
Sources: Exchange rates are from the Board of Governors of the Federal Reserve System. Indexes of stock market prices are calculated from data taken from finance oriented web sites and are based

to 2000 = 100 to facilitate comparisons. Other series are drawn from the web sites of the statistical agencies of the countries shown.

NOTE: In 2002, the countries in this table accounted for 62 percent of the value of U.S. imports of goods and 70 percent of the value of U.S. exports of goods. The Euro area consists of Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, and Spain.

I. Charts

THE U.S. IN THE INTERNATIONAL ECONOMY



U.S. Bureau of Economic Analysis

Regional Data

J. State and Regional Tables

The tables in this section include the most recent estimates of state personal income and gross state product. The sources of these estimates are noted.

The quarterly and annual estimates of state personal income and the estimates of gross state product are available on CD-ROM. For information on state personal income, e-mail reis.rem@d.bea.gov; write to the Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call 202-606-5360. For information on gross state product, e-mail gspread@bea.gov; write to the Regional Economic Information System, BE-61, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call 202-606-5340.

Table J.1. Personal Income by State and Region
 (Millions of dollars, seasonally adjusted at annual rates)

Area name	1999		2000				2001				2002				2003		Percent change ¹ 2003:I-2003:II
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
United States	7,801,469	7,953,561	8,203,951	8,340,516	8,481,243	8,569,774	8,651,750	8,669,238	8,697,083	8,691,889	8,772,204	8,881,691	8,927,635	8,982,839	9,053,499	9,129,313	0.8
New England	463,492	472,228	492,587	499,629	510,551	517,235	523,494	521,469	520,807	519,362	524,249	531,524	532,245	533,241	537,534	539,718	0.4
Connecticut	131,512	133,597	137,801	140,406	142,688	144,758	146,423	145,899	145,327	144,542	147,269	148,249	148,840	148,486	150,562	151,432	0.6
Maine	31,316	31,228	32,059	32,757	33,121	33,529	34,234	34,394	34,585	34,753	35,481	35,658	36,141	36,483	37,040	37,358	0.9
Massachusetts	218,631	223,830	235,826	238,462	245,457	248,107	250,661	248,883	248,235	247,332	247,765	252,257	251,714	252,127	252,613	253,436	0.3
New Hampshire	37,407	38,300	40,481	40,773	41,521	42,285	42,913	42,752	42,729	42,722	43,055	43,865	43,847	44,047	44,381	44,519	0.3
Rhode Island	28,935	29,334	30,101	30,489	30,977	31,396	31,817	31,919	32,245	32,261	32,779	33,202	33,467	33,659	34,391	34,239	-0.4
Vermont	15,690	15,939	16,318	16,743	16,788	17,160	17,447	17,622	17,685	17,752	17,900	18,093	18,238	18,439	18,547	18,734	1.0
Mideast	1,465,040	1,478,613	1,533,630	1,567,335	1,589,291	1,621,161	1,631,068	1,628,112	1,632,447	1,631,164	1,644,672	1,662,445	1,668,240	1,674,725	1,683,917	1,700,245	1.0
Delaware	22,795	23,229	23,706	24,231	24,672	25,209	25,256	25,609	25,850	25,780	25,929	26,090	26,175	26,143	26,870	27,146	1.0
District of Columbia	20,828	21,181	22,333	22,689	22,938	23,434	23,144	23,324	23,276	23,305	24,204	24,677	24,768	25,393	25,012	25,271	1.0
Maryland	168,178	170,617	176,498	179,203	182,368	185,696	188,357	189,786	190,747	191,170	194,304	196,862	198,005	199,454	200,370	201,941	0.8
New Jersey	288,208	295,035	306,809	316,979	321,275	327,824	326,632	327,966	329,812	330,559	337,578	338,845	341,099	342,035	345,441	348,914	1.0
New York	621,989	619,371	647,339	661,036	669,618	685,055	691,345	683,685	682,727	681,059	676,590	686,279	685,909	687,503	687,045	694,226	1.0
Pennsylvania	343,042	349,180	356,945	363,197	368,419	373,942	376,335	377,739	380,035	379,292	386,067	389,692	392,285	394,198	399,180	402,747	0.9
Great Lakes	1,253,889	1,276,384	1,312,492	1,325,439	1,339,837	1,347,657	1,358,650	1,360,352	1,364,979	1,373,198	1,364,672	1,396,144	1,402,919	1,409,904	1,415,570	1,423,915	0.6
Illinois	373,875	381,355	392,581	398,686	405,376	410,567	413,332	411,904	414,358	412,582	415,157	420,863	420,922	422,491	423,805	425,211	0.3
Indiana	154,431	157,602	162,336	164,309	166,165	165,361	168,181	168,290	169,600	168,955	171,072	173,169	174,777	176,538	177,028	178,136	0.6
Michigan	276,777	280,785	291,251	292,004	293,583	294,304	295,843	296,181	297,092	296,806	295,932	304,930	306,682	307,437	307,471	309,740	0.7
Ohio	304,584	309,856	318,931	318,569	321,035	322,078	324,581	326,608	328,330	327,985	330,130	334,343	336,601	338,255	340,755	342,762	0.6
Wisconsin	144,222	146,985	149,392	151,869	153,677	155,348	156,713	157,369	158,594	158,651	160,906	162,839	163,937	165,182	166,691	168,066	0.8
Plains	513,281	525,456	534,339	546,218	553,792	557,165	562,952	565,546	569,173	569,280	576,036	580,552	585,711	589,532	596,940	602,634	1.0
Iowa	73,326	74,855	76,108	77,676	78,421	78,715	79,391	79,654	80,152	80,093	81,814	82,375	82,803	83,577	84,767	85,778	1.2
Kansas	69,928	72,199	71,753	73,639	75,309	74,825	76,291	76,556	77,327	77,138	77,875	77,967	78,418	79,028	80,167	80,589	0.5
Minnesota	147,261	150,723	154,381	158,125	160,570	163,070	164,055	164,632	165,126	165,325	167,189	169,755	171,656	171,998	172,584	174,027	0.8
Missouri	143,982	146,660	150,470	153,761	155,862	156,483	157,920	158,745	159,866	159,843	161,919	162,979	164,041	165,471	166,696	168,254	0.9
Nebraska	45,499	46,741	46,642	47,414	48,088	48,252	49,123	49,476	49,887	50,084	50,408	50,774	51,397	51,767	53,312	54,011	1.3
North Dakota	14,756	15,307	15,726	16,097	16,153	16,111	16,304	16,398	16,533	16,452	16,787	16,608	16,931	17,059	17,783	18,016	1.3
South Dakota	18,529	18,971	19,260	19,505	19,569	19,709	19,868	20,086	20,282	20,347	20,043	20,095	20,466	20,680	21,632	21,959	1.5
Southwest	1,721,818	1,753,053	1,798,309	1,828,832	1,854,115	1,874,225	1,895,842	1,909,663	1,918,954	1,921,712	1,944,902	1,968,792	1,979,094	1,995,385	2,021,336	2,039,369	0.9
Alabama	100,724	102,191	103,738	105,257	105,904	107,041	108,598	109,319	109,808	109,825	111,057	112,093	113,036	114,183	116,050	116,736	0.6
Arkansas	56,053	57,013	57,854	58,562	59,672	59,633	60,661	61,067	61,559	61,927	62,408	63,291	63,686	64,464	65,067	65,674	0.9
Florida	426,687	431,669	444,157	452,177	459,035	465,884	470,309	475,131	478,106	478,882	485,611	493,048	495,589	501,588	505,471	511,832	1.1
Georgia	213,907	218,724	224,268	229,859	233,463	236,558	238,609	239,184	240,715	241,046	243,028	245,628	246,123	248,050	253,428	255,829	0.9
Kentucky	91,411	93,383	96,542	97,668	98,466	99,780	100,459	100,953	101,830	101,649	103,365	104,593	105,556	106,548	107,340	107,929	0.5
Louisiana	99,022	100,586	101,827	103,306	104,252	105,135	107,373	108,618	110,287	110,991	112,155	113,505	113,982	115,257	116,001	116,821	0.7
Mississippi	57,129	57,916	58,563	59,561	60,068	60,195	61,420	61,739	62,092	62,437	63,376	63,990	64,523	65,077	66,531	67,132	0.9
North Carolina	200,989	206,935	212,844	216,603	219,838	221,626	223,903	224,212	224,210	224,050	227,740	228,855	229,994	230,836	234,567	237,292	1.2
South Carolina	91,509	93,051	95,124	97,267	98,213	99,036	100,603	100,513	101,332	101,158	102,912	104,156	104,718	105,420	107,166	107,759	0.6
Tennessee	141,801	144,055	147,282	149,179	151,095	152,187	152,906	153,934	154,928	154,751	156,391	158,810	159,256	160,411	162,260	163,441	0.7
Virginia	204,973	209,459	215,466	220,039	224,073	227,532	230,869	233,930	232,735	233,388	234,661	238,366	239,670	240,605	244,050	246,116	0.8
West Virginia	37,611	38,070	38,644	39,354	39,634	40,118	40,671	41,063	41,353	41,608	42,198	42,467	42,689	42,944	43,406	43,608	0.5
Southwest	777,451	795,211	819,754	833,799	849,525	857,947	871,240	871,512	877,630	878,046	882,369	892,577	896,253	902,617	907,344	917,036	1.1
Arizona	121,062	123,358	129,117	129,404	131,811	133,853	135,545	136,991	138,663	138,125	140,528	142,215	143,274	144,881	145,953	147,364	1.0
New Mexico	37,832	38,396	38,764	39,593	39,945	40,467	41,451	41,979	42,630	42,982	43,677	44,098	44,438	45,193	45,461	46,056	1.3
Oklahoma	77,540	79,144	80,479	82,367	83,896	84,982	85,713	86,339	86,925	87,221	86,961	87,622	88,168	88,522	89,177	89,907	0.8
Texas	541,017	554,313	571,394	582,434	593,873	598,645	608,532	606,204	609,412	609,717	611,202	618,643	620,373	624,021	626,753	633,709	1.1
Rocky Mountain	238,957	246,228	252,336	259,527	265,102	268,181	270,900	271,833	272,434	271,806	27						

Table J.2. Annual Personal Income and Per Capita Personal Income for States and Regions

Area name	Personal income						Percent change ²	Per capita personal income ¹						Rank in U.S.
	Millions of dollars							Dollars						
	1997	1998	1999	2000	2001	2002		1997	1998	1999	2000	2001	2002	
United States	6,928,545	7,418,497	7,779,521	8,398,871	8,677,490	8,891,093	2.5	25,412	26,893	27,880	29,760	30,413	30,832	.....
New England	408,231	437,134	459,782	505,001	521,283	530,315	1.7	29,924	31,829	33,227	36,195	37,096	37,494	.....
Connecticut	116,421	124,880	130,579	141,413	145,548	148,211	1.8	34,759	37,108	38,560	41,446	42,377	42,829	1
Maine	27,773	29,469	30,680	32,867	34,491	35,991	4.3	22,134	23,404	24,218	25,732	26,853	27,804	33
Massachusetts	191,596	205,176	217,066	241,963	248,778	250,966	0.9	30,773	32,714	34,360	38,034	38,864	39,044	3
New Hampshire	32,397	35,198	37,121	41,265	42,779	43,703	2.2	27,238	29,187	30,377	33,266	33,969	34,276	6
Rhode Island	26,293	27,673	28,762	30,741	32,061	33,276	3.8	25,643	26,837	27,645	29,257	30,256	31,107	16
Vermont	13,752	14,738	15,575	16,752	17,627	18,167	3.1	23,026	24,547	25,577	27,465	28,756	29,464	24
Mideast	1,315,810	1,400,562	1,458,307	1,577,854	1,630,698	1,662,520	2.0	28,868	30,565	31,630	34,013	34,952	35,434	.....
Delaware	20,145	21,879	22,716	24,455	25,624	26,084	1.8	26,807	28,662	29,312	31,092	32,166	32,307	13
District of Columbia	19,135	20,255	20,785	22,849	23,262	24,760	6.4	33,704	35,836	36,452	39,970	40,539	43,371	.....
Maryland	148,826	158,501	167,360	180,941	190,015	197,156	3.8	28,857	30,455	31,851	34,060	35,279	36,121	4
New Jersey	260,705	278,788	288,796	318,222	328,743	339,889	3.4	31,720	33,640	34,547	38,625	39,567	40,527	2
New York	553,543	590,406	616,292	665,762	684,704	684,070	-0.1	29,670	31,478	32,638	35,041	35,878	35,708	5
Pennsylvania	313,457	330,733	342,357	365,626	378,350	390,560	3.2	25,635	27,916	29,167	29,759	30,752	31,663	15
Great Lakes	1,138,557	1,206,886	1,252,336	1,331,356	1,362,854	1,395,541	2.4	25,589	26,983	27,849	29,437	29,986	30,555	.....
Illinois	340,594	362,081	373,813	401,803	413,044	419,858	1.6	27,950	29,505	30,246	32,297	32,990	33,320	8
Indiana	139,459	149,318	154,405	164,543	168,622	173,889	3.1	23,418	24,891	25,543	27,012	27,522	28,233	41
Michigan	250,216	264,520	276,187	292,786	296,480	303,745	2.5	25,509	26,860	27,906	29,408	29,629	30,222	18
Ohio	279,367	293,208	304,342	319,653	326,876	334,832	2.4	24,772	25,921	26,849	28,130	28,699	29,317	25
Wisconsin	128,920	137,759	143,589	152,572	157,832	163,216	3.4	24,481	26,004	26,926	28,389	29,196	29,996	21
Plains	462,173	493,714	512,453	547,878	566,738	582,958	2.9	24,517	26,001	26,787	28,430	29,257	29,942	.....
Iowa	67,938	71,280	72,908	77,730	79,822	82,642	3.5	23,499	24,555	24,989	26,540	27,225	28,141	32
Kansas	63,728	67,896	69,997	73,882	76,826	78,322	1.9	24,182	25,519	26,134	27,439	28,432	28,838	27
Minnesota	129,020	140,031	147,151	159,037	164,784	170,142	3.3	27,086	29,092	30,194	32,231	33,059	33,895	7
Missouri	131,144	138,987	143,814	154,099	159,093	163,603	2.8	23,926	25,171	25,857	27,493	28,221	28,841	26
Nebraska	40,724	43,313	45,293	47,599	49,642	51,086	2.9	24,148	25,541	26,569	27,781	28,861	29,544	23
North Dakota	13,332	14,709	14,848	16,022	16,422	16,846	2.6	20,520	22,716	23,046	24,990	25,798	26,567	37
South Dakota	16,288	17,497	18,442	19,511	20,146	20,316	0.8	21,885	23,453	24,576	25,815	26,566	26,694	36
Southeast	1,532,165	1,639,428	1,718,850	1,838,870	1,911,543	1,972,043	3.2	22,966	24,242	25,067	26,456	27,169	27,683	.....
Alabama	91,284	96,481	100,422	105,485	109,386	112,592	2.9	20,899	21,904	22,668	23,694	24,477	25,096	43
Arkansas	51,055	53,784	55,919	58,930	61,304	63,463	3.5	19,628	20,479	21,087	22,000	22,750	23,417	49
Florida	377,673	405,146	425,157	455,313	475,607	494,027	3.9	24,869	26,161	26,978	28,366	29,048	29,559	22
Georgia	183,757	200,104	213,508	231,412	239,754	245,707	2.5	23,911	25,447	26,536	28,103	28,523	28,703	28
Kentucky	82,927	88,148	91,218	98,215	101,223	105,013	3.7	20,979	22,118	22,702	24,258	24,878	25,657	39
Louisiana	92,286	97,458	99,052	103,630	109,317	113,725	4.0	20,874	21,948	22,205	23,185	24,454	25,370	41
Mississippi	51,598	55,072	56,799	59,597	61,922	64,242	3.7	18,580	19,635	20,082	20,920	21,653	22,370	50
North Carolina	179,691	192,577	202,455	217,727	224,094	229,356	2.3	23,468	24,661	25,468	26,939	27,308	27,566	34
South Carolina	81,045	86,672	91,075	97,410	100,902	104,302	3.0	20,998	22,115	22,914	24,209	24,840	25,395	40
Tennessee	125,457	134,241	141,046	149,936	154,130	158,717	3.4	22,814	24,101	25,014	26,290	26,808	27,378	35
Virginia	180,190	193,007	204,727	221,778	232,730	238,325	2.4	26,385	27,968	29,246	31,210	32,338	32,676	11
West Virginia	35,202	36,738	37,472	39,438	41,174	42,575	3.4	19,351	20,234	20,682	21,821	22,862	23,628	48
Southwest	677,462	736,392	775,029	840,256	874,607	893,454	2.2	22,868	24,352	25,141	26,761	27,350	27,419	.....
Arizona	103,702	112,895	120,264	131,046	137,331	142,725	3.9	21,892	23,118	23,939	25,361	25,878	26,157	38
New Mexico	34,860	36,857	37,725	39,692	42,260	44,352	4.9	19,641	20,551	20,865	21,788	23,081	23,908	47
Oklahoma	69,951	74,677	77,512	82,931	86,550	87,818	1.5	20,739	21,930	22,551	24,007	24,945	25,136	42
Texas	468,950	511,964	539,527	586,587	608,466	618,560	1.7	23,756	25,398	26,244	27,992	28,472	28,401	30
Rocky Mountain	206,847	223,322	238,547	261,286	271,743	276,877	1.9	23,851	25,041	26,230	28,194	28,819	28,926	.....
Colorado	108,765	118,413	128,386	143,043	148,239	149,481	0.8	27,067	28,764	30,380	33,060	33,455	33,170	9
Idaho	25,226	27,066	28,901	31,177	32,363	33,585	3.8	20,534	21,612	22,656	23,987	24,506	25,042	44
Montana	17,726	18,942	19,405	20,744	21,769	22,650	4.0	19,920	21,225	21,621	22,961	24,044	24,906	45
Utah	43,696	46,772	48,923	52,518	54,764	55,953	2.2	20,613	21,594	22,203	23,410	24,033	24,157	46
Wyoming	11,433	12,129	12,931	13,805	14,609	15,208	4.1	23,360	24,714	26,294	27,941	29,587	30,494	17
Far West	1,187,299	1,281,057	1,364,218	1,496,369	1,538,024	1,577,384	2.6	26,353	27,972	29,335	31,694	32,025	32,344	.....
Alaska	16,488	17,138	17,600	18,806	19,660	20,467	4.1	26,898	27,645	28,170	29,960	31,027	31,792	14
California	861,557	931,564	995,326	1,100,679	1,129,868	1,155,247	2.2	26,521	28,240	29,712	32,363	32,655	32,898	10
Hawaii	31,218	31,841	32,626	34,384	35,625	37,397	5.0	25,765	26,201	26,957	28,354	29,034	30,040	20
Nevada	47,258	52,017	55,439	60,149	63,200	65,571	3.8	26,789	28,069	28,655	29,794	30,128	30,169	19
Oregon	80,575	85,305	89,080	95,508	98,026	100,481	2.5	24,385	25,446	26,247	27,836	28,222	28,533	29
Washington	150,203	163,192	174,148	186,843	191,645	198,221	3.4	26,469	28,285	29,807	31,605	31,976	32,661	12

1. Per capita personal income was computed using midyear population estimates of the Bureau of the Census.

2. Percent change was calculated from unrounded data.

NOTE: The personal income level shown for the United States is derived as the sum of the state estimates. It differs from the estimate of personal income in the national income and product accounts (NIPAs) because of differences in coverage.

in the methodologies used to prepare the estimates, and in the timing of the availability of source data. In particular, it differs from the NIPA estimate because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms.

Source: Table 1 in "Personal Income by State: First Quarter 2003 and Revised 2002" in the August 2003 issue of the SURVEY OF CURRENT BUSINESS.

Table J.3. Disposable Personal Income and Per Capita Disposable Personal Income for States and Regions

Area name	Disposable personal income							Per capita disposable personal income ¹						Rank in U.S.
	Millions of dollars							Dollars						
	1997	1998	1999	2000	2001	2002	Percent change ²	1997	1998	1999	2000	2001	2002	
United States	5,960,749	6,349,151	6,621,490	7,113,634	7,386,598	7,778,520	5.3	21,863	23,016	23,730	25,206	25,889	26,974	.....
New England	342,605	364,015	379,850	410,995	429,722	453,483	5.5	25,114	26,505	27,450	29,458	30,580	32,062	.....
Connecticut	95,724	101,699	105,647	113,079	117,445	124,516	6.0	28,580	30,219	31,198	33,142	34,195	35,982	1
Maine	24,200	25,480	26,439	28,184	29,700	31,718	6.8	19,286	20,236	20,871	22,065	23,122	24,503	34
Massachusetts	159,674	169,596	177,512	193,936	202,977	213,268	5.1	25,646	27,041	28,099	30,485	31,709	33,179	3
New Hampshire	28,200	30,578	31,985	35,151	36,797	38,615	4.9	23,709	25,356	26,174	28,337	29,218	30,285	6
Rhode Island	22,851	23,898	24,800	26,249	27,568	29,293	6.3	22,286	23,176	23,836	24,983	26,016	27,384	16
Vermont	11,955	12,764	13,467	14,397	15,235	16,072	5.5	20,018	21,258	22,272	23,603	24,853	26,066	24
Mideast	1,114,511	1,178,249	1,218,066	1,313,155	1,363,967	1,432,002	5.0	24,482	25,714	26,419	28,307	29,855	30,521	.....
Delaware	16,987	18,470	19,169	20,624	21,737	22,624	4.1	22,605	24,196	24,734	26,222	27,288	28,021	14
District of Columbia	16,120	16,921	17,080	18,715	19,085	21,059	10.3	28,393	29,937	29,953	32,739	33,260	36,888	.....
Maryland	125,597	133,060	140,240	150,839	159,164	169,147	6.3	24,353	25,566	26,690	28,393	29,551	30,990	4
New Jersey	220,964	234,080	240,074	263,055	274,376	293,008	6.8	26,885	28,245	28,718	31,192	32,237	34,109	2
New York	464,468	491,784	508,124	547,203	565,168	583,205	3.2	24,896	26,220	26,909	28,801	29,614	30,443	5
Pennsylvania	270,375	283,933	293,380	312,719	324,435	342,959	5.7	22,111	23,186	23,922	25,453	26,370	27,804	15
Great Lakes	975,464	1,029,255	1,066,709	1,135,687	1,165,051	1,222,381	4.9	21,924	23,011	23,721	25,111	25,634	26,764	.....
Illinois	291,507	307,987	316,698	340,103	350,333	366,070	4.5	23,922	25,097	25,625	27,338	27,981	29,052	8
Indiana	119,826	128,475	132,864	142,187	146,053	153,875	5.4	20,121	21,417	21,979	23,340	23,839	24,983	31
Michigan	214,500	225,186	235,134	250,086	253,620	266,749	5.2	21,868	22,866	23,758	25,119	25,346	26,541	20
Ohio	239,900	250,838	260,394	273,184	279,754	292,386	4.5	21,273	22,175	22,972	24,040	24,562	25,600	25
Wisconsin	109,732	116,768	121,619	130,127	135,291	143,300	5.9	20,837	22,041	22,806	24,213	25,026	26,336	21
Plains	399,625	425,703	442,180	471,590	488,749	513,542	5.1	21,199	22,420	23,113	24,472	25,321	26,377	.....
Iowa	59,294	62,181	63,446	67,875	69,689	73,662	5.7	20,509	21,421	21,746	23,175	23,769	25,083	30
Kansas	55,113	58,652	60,312	63,535	66,162	68,965	4.5	20,913	22,045	22,518	23,596	24,485	25,393	28
Minnesota	109,183	118,006	124,969	133,951	139,411	147,061	5.2	22,921	24,516	25,643	27,147	27,969	29,297	7
Missouri	114,001	120,352	124,434	133,323	137,821	144,944	5.2	20,799	21,796	22,372	23,786	24,448	25,552	26
Nebraska	35,531	37,620	39,267	41,133	43,021	45,195	5.1	21,069	22,184	23,033	24,007	25,012	26,137	23
North Dakota	11,853	13,143	13,247	14,297	14,623	15,249	4.3	18,244	20,297	20,561	22,299	22,973	24,048	37
South Dakota	14,650	15,748	16,506	17,476	18,021	18,466	2.5	19,684	21,109	21,996	23,124	23,764	24,263	35
Southeast	1,336,061	1,423,978	1,489,666	1,591,256	1,657,731	1,749,719	5.5	20,044	21,056	21,725	22,894	23,562	24,562	.....
Alabama	80,342	84,855	88,267	92,749	96,291	100,962	4.9	18,394	19,265	19,924	20,833	21,547	22,504	42
Arkansas	45,063	47,302	49,179	51,684	53,882	56,831	5.5	17,325	18,011	18,545	19,295	19,996	20,970	49
Florida	329,682	351,912	368,621	392,530	411,117	438,003	6.5	21,709	22,724	23,390	24,455	25,109	26,207	22
Georgia	158,350	171,711	182,801	197,747	205,629	215,896	5.0	20,605	21,836	22,720	24,015	24,463	25,221	29
Kentucky	71,915	76,215	78,682	84,974	87,582	92,703	5.8	18,194	19,124	19,582	20,987	21,525	22,650	41
Louisiana	81,431	86,139	87,749	91,613	96,752	102,500	5.9	18,419	19,399	19,671	20,496	21,643	22,866	39
Mississippi	46,245	49,256	50,744	53,307	55,538	58,607	5.5	16,653	17,561	17,941	18,712	19,421	20,408	50
North Carolina	155,311	165,760	173,925	186,877	193,094	201,761	4.5	20,284	21,226	21,879	23,122	23,531	24,250	36
South Carolina	70,880	75,481	79,283	85,040	88,247	93,249	5.7	18,364	19,259	19,947	21,135	21,724	22,704	40
Tennessee	111,632	119,346	125,546	133,732	137,460	144,299	5.0	20,300	21,426	22,265	23,448	23,909	24,891	32
Virginia	154,028	163,510	171,743	186,170	195,722	206,667	5.6	22,554	23,694	24,534	26,199	27,196	28,336	12
West Virginia	31,182	32,491	33,128	34,834	36,416	38,241	5.0	17,141	17,895	18,285	19,274	20,220	21,223	48
Southwest	596,546	645,743	679,260	732,944	765,749	800,718	4.6	20,137	21,354	22,034	23,343	23,946	24,573	.....
Arizona	90,217	97,615	103,783	113,010	119,024	126,808	6.5	19,045	19,989	20,658	21,871	22,428	23,240	38
New Mexico	30,758	32,496	33,169	34,702	37,079	39,751	7.2	17,330	18,119	18,345	19,048	20,252	21,429	46
Oklahoma	61,222	65,310	67,783	72,358	75,646	78,176	3.3	18,151	19,179	19,721	20,947	21,803	22,376	43
Texas	414,349	450,321	474,525	512,874	533,999	555,983	4.1	20,990	22,340	23,082	24,475	24,987	25,527	27
Rocky Mountain	178,194	191,724	203,763	221,953	232,166	242,485	4.4	20,375	21,498	22,405	23,950	24,621	25,333	.....
Colorado	92,927	100,489	108,384	120,009	125,325	129,666	3.5	23,126	24,410	25,847	27,736	28,284	28,773	9
Idaho	22,044	23,639	25,119	26,884	28,078	29,941	6.6	17,944	18,876	19,691	20,684	21,262	22,325	44
Montana	15,621	16,670	17,023	18,150	19,096	20,236	6.0	17,554	18,679	19,867	20,090	21,092	22,251	45
Utah	37,715	40,460	42,113	45,154	47,182	49,310	4.5	17,792	18,680	19,112	20,127	20,706	21,289	47
Wyoming	9,886	10,466	11,123	11,757	12,484	13,332	6.8	20,199	21,324	22,619	23,796	25,283	26,734	17
Far West	1,017,744	1,090,483	1,141,995	1,236,055	1,283,464	1,364,190	6.3	22,590	23,811	24,556	26,181	26,725	27,973	.....
Alaska	14,497	15,003	15,430	16,444	17,189	18,271	6.3	23,650	24,201	24,697	26,197	27,128	28,381	11
California	735,173	789,557	827,718	898,615	934,447	993,302	6.3	23,935	24,709	25,250	26,422	27,007	28,286	13
Hawaii	27,371	27,846	28,431	29,862	31,046	33,258	7.1	22,990	22,914	23,491	24,625	25,302	26,716	18
Nevada	41,126	44,903	47,692	51,533	54,304	57,893	6.0	23,313	24,230	24,651	25,526	25,887	26,636	19
Oregon	68,539	72,660	75,394	80,343	83,130	87,270	5.6	20,742	21,674	22,214	23,416	23,933	24,782	33
Washington	131,039	140,515	147,329	159,258	163,348	174,196	6.6	23,092	24,354	25,217	26,939	27,255	28,703	10

1. Per capita disposable personal income was computed using midyear population estimates of the Bureau of the Census.

2. Percent change was calculated from unrounded data.

Note: The personal income level shown for the United States is derived as the sum of the state estimates. It differs from the estimate of personal income in the national income and product accounts (NIPAs) because of differences in coverage,

in the methodologies used to prepare the estimates, and in the timing of the availability of source data. In particular, it differs from the NIPA estimate because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms.

Source: Table 2 in "Personal Income by State: First Quarter 2003 and Revised 2002" in the August 2003 issue of the SURVEY OF CURRENT BUSINESS.

Table J.4. Gross State Product (GSP) by Industry for States and Regions, 2001

[Millions of dollars]

State and region	Rank of total GSP	Total GSP	Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government
United States		10,137,190	140,650	139,040	480,013	1,422,990	819,464	680,683	931,756	2,076,987	2,226,585	1,219,022
New England		594,686	4,563	320	26,205	78,655	34,833	37,940	50,290	158,783	146,039	57,057
Connecticut	22	166,165	1,152	129	5,898	24,277	9,754	10,004	12,887	51,458	35,654	14,951
Maine	42	37,449	725	5	1,723	5,239	2,518	2,198	4,481	7,194	7,970	5,396
Massachusetts	11	287,802	1,683	99	13,512	34,427	16,093	19,443	22,767	73,880	79,902	25,995
New Hampshire	38	47,183	365	37	2,282	7,610	2,818	3,359	4,923	11,792	10,179	3,818
Rhode Island	43	36,939	234	14	1,922	4,105	2,285	1,830	3,312	10,934	7,951	4,352
Vermont	49	19,149	403	36	868	2,998	1,365	1,107	1,920	3,526	4,382	2,544
Mideast		1,900,223	12,092	3,922	75,070	208,027	146,418	120,175	143,945	522,373	449,316	218,886
Delaware	41	40,509	387	2	1,598	5,235	1,902	1,576	2,674	17,476	6,229	3,429
District of Columbia		64,459	25	22	578	762	3,095	705	1,759	10,569	24,269	22,675
Maryland	15	195,007	1,798	157	11,319	13,963	14,192	11,766	16,972	42,025	48,534	34,280
New Jersey	8	365,388	2,060	299	15,749	42,068	32,957	33,782	28,999	90,077	83,497	35,878
New York	2	826,488	3,729	657	27,372	77,701	59,282	46,992	56,468	282,888	190,202	81,197
Pennsylvania	6	408,373	4,093	2,785	18,453	68,297	34,989	25,354	37,072	79,318	96,584	41,427
Great Lakes		1,536,991	16,840	4,494	74,687	315,515	114,262	109,332	141,787	278,109	315,053	166,913
Illinois	5	475,541	4,303	1,050	23,556	68,339	40,445	37,136	39,031	105,089	108,099	48,493
Indiana	16	189,919	2,458	688	9,971	51,647	14,376	11,636	17,544	27,224	34,306	20,089
Michigan	9	320,470	2,993	915	16,012	73,937	20,774	22,659	31,350	50,256	66,417	35,157
Ohio	7	373,708	3,506	1,573	16,537	79,603	26,198	26,507	37,261	66,439	73,297	42,786
Wisconsin	20	177,354	3,579	288	8,611	41,988	12,468	11,394	16,601	29,102	32,935	20,387
Plains		647,904	16,965	3,598	32,174	104,786	60,046	49,068	61,956	109,367	130,377	79,567
Iowa	30	90,942	3,454	203	3,951	19,112	7,631	6,256	8,218	14,594	16,210	11,313
Kansas	31	87,196	2,392	1,266	4,051	14,053	11,145	6,535	8,545	11,669	15,533	12,007
Minnesota	17	188,050	3,166	753	9,982	29,801	13,488	15,353	18,358	36,348	40,589	20,234
Missouri	19	181,493	2,506	459	9,619	30,442	17,777	13,287	17,536	29,653	38,646	21,568
Nebraska	36	56,967	2,772	129	2,712	6,994	6,340	4,340	4,962	8,981	11,536	8,201
North Dakota	50	19,005	1,004	658	896	1,641	1,932	1,607	1,870	2,771	3,662	2,965
South Dakota	46	24,251	1,671	129	963	2,744	1,755	1,690	2,467	5,353	4,201	3,280
Southeast		2,205,625	33,751	40,281	111,379	320,110	191,168	149,546	221,091	379,132	457,688	301,478
Alabama	25	121,490	2,427	1,483	5,929	21,626	10,338	7,883	12,507	18,015	21,991	19,292
Arkansas	34	67,913	2,263	496	3,368	13,136	7,216	4,581	8,109	8,354	11,514	8,876
Florida	4	491,488	7,753	730	26,974	29,038	39,353	37,353	56,063	108,534	125,903	59,787
Georgia	10	299,874	4,188	1,126	15,307	43,489	33,414	26,675	28,405	48,978	61,114	37,179
Kentucky	26	120,266	2,498	2,235	5,635	30,297	9,905	7,461	11,369	14,152	20,081	16,633
Louisiana	24	148,697	1,308	28,114	6,482	17,416	12,909	7,877	12,547	19,613	25,014	17,418
Mississippi	35	67,125	1,879	740	3,098	12,041	6,360	3,875	7,327	8,244	12,046	11,514
North Carolina	12	275,615	5,218	511	14,101	58,923	18,829	16,766	25,113	52,309	47,977	35,868
South Carolina	28	115,204	1,506	162	6,825	23,124	10,256	7,035	12,236	16,571	19,583	17,906
Tennessee	18	182,515	1,926	516	8,173	34,166	15,420	13,177	20,314	27,533	39,657	21,634
Virginia	13	273,070	2,444	1,154	13,338	31,607	22,577	14,576	22,758	51,815	64,526	48,275
West Virginia	40	42,368	343	3,013	2,149	5,249	4,589	2,289	4,343	5,016	8,281	7,096
Southwest		1,073,842	15,417	59,682	53,897	136,041	107,138	75,997	106,552	168,990	218,620	131,507
Arizona	23	160,687	2,605	1,183	9,701	21,707	11,172	10,570	17,582	31,387	34,490	20,291
New Mexico	37	55,426	1,270	5,224	2,418	7,545	4,137	2,225	5,023	7,434	10,145	10,006
Oklahoma	29	93,855	1,967	5,386	3,933	13,034	8,820	5,596	9,831	11,934	17,576	15,779
Texas	3	763,874	9,575	47,890	37,846	93,754	83,010	57,606	74,117	118,235	156,410	85,431
Rocky Mountain		324,139	7,126	10,174	21,175	32,718	32,922	19,500	31,582	56,021	70,205	42,716
Colorado	21	173,772	2,738	3,068	11,827	14,991	19,317	10,714	16,909	31,816	41,860	20,532
Idaho	44	36,905	2,143	156	2,585	6,570	2,919	2,312	3,877	4,515	6,635	5,195
Montana	47	22,635	860	838	1,313	1,535	2,503	1,405	2,303	3,200	4,804	3,874
Utah	33	70,409	874	1,323	4,357	8,079	5,595	4,243	6,969	14,135	14,498	10,315
Wyoming	48	20,418	511	4,789	1,094	1,542	2,588	826	1,503	2,355	2,410	2,800
Far West		1,853,781	33,896	16,568	85,426	227,140	132,676	119,123	174,553	404,211	439,287	220,899
Alaska	45	28,581	497	5,590	1,384	1,056	4,560	842	1,920	3,197	3,962	5,572
California	1	1,359,265	24,435	8,623	57,712	163,841	92,421	89,384	127,073	317,481	326,119	152,176
Hawaii	39	43,710	504	33	1,891	1,173	4,085	1,632	4,915	10,057	10,019	9,400
Nevada	32	79,220	629	1,761	7,523	3,070	5,750	3,635	8,502	14,860	25,210	8,282
Oregon	27	120,055	3,075	156	5,893	30,613	7,750	8,428	10,059	17,583	21,848	14,652
Washington	14	222,950	4,757	405	11,024	27,387	18,111	15,202	22,086	41,034	52,128	30,817

NOTE: Totals shown for the United States differ from the national income and product account estimates of gross domestic product (GDP) because GSP is derived from gross domestic income, which differs from GDP by the statistical discrepancy. In addition, GSP excludes and GDP includes the compensation of Federal civilian and military personnel stationed abroad and government consumption of fixed capital for military structures located abroad and for military equip-

ment, except office equipment. Also, GSP and GDP have different revision schedules.

Source: This table reflects the GSP estimates for 2001 that were released on May 22, 2003. Detailed estimates are available on BEA's Web site at <www.bea.gov> under "State and local area data."

K. Local Area Table

Table K.1. Personal Income and Per Capita Personal Income by Metropolitan Area, 1999–2001

Area name	Personal income				Per capita personal income ¹				Area name	Personal income				Per capita personal income ¹			
	Millions of dollars			Percent change ²	Dollars			Rank in U.S.		Millions of dollars			Percent change ²	Dollars			Rank in U.S.
	1999	2000	2001		2000–2001	1999	2000			2001	2001	1999		2000	2001	2001	
United States³	7,779,521	8,398,871	8,677,490	3.3	27,880	29,760	30,413	.....	Corvallis, OR.....	2,191	2,317	2,403	3.7	27,995	29,650	30,709	78
Metropolitan portion	6,633,219	7,185,218	7,428,050	3.4	29,616	31,680	32,336	.....	Cumbers, MD-WV.....	2,014	2,114	2,201	4.1	19,656	20,756	21,694	103
Nonmetropolitan portion	1,146,302	1,213,653	1,249,440	2.9	20,818	21,901	22,472	.....	Dallas, TX ⁴	113,010	125,424	126,926	1.2	32,774	35,383	34,697	302
Consolidated Metropolitan Statistical Areas																	
Chicago-Gary-Kenosha, IL-IN-WI.....	298,061	321,557	331,277	3.0	32,771	35,028	35,751	.....	Damville, VA.....	2,194	2,319	2,335	0.7	19,894	21,074	21,280	304
Cincinnati-Hamilton, OH-KY-IN.....	57,342	60,627	62,758	3.5	29,124	30,559	31,419	.....	Davenport-Moline-Rock Island, IA-IL.....	9,264	9,791	9,988	2.0	25,753	27,283	27,879	138
Cleveland-Akron, OH.....	86,292	90,686	92,446	1.9	29,293	30,773	31,368	.....	Dayton-Springfield, OH.....	26,119	27,251	27,811	2.1	27,402	28,677	29,340	103
Dallas-Fort Worth, TX.....	159,254	175,700	180,072	2.5	31,106	33,412	33,247	.....	Daytona Beach, FL.....	10,763	11,533	12,040	4.4	22,114	23,273	23,827	284
Denver-Boulder-Greeley, CO.....	85,768	96,583	100,284	3.8	33,878	37,158	37,607	.....	Decatur, AL.....	3,403	3,540	3,695	4.4	23,432	24,236	25,233	215
Detroit-Ann Arbor-Flint, MI.....	169,736	180,724	182,894	1.2	31,182	33,067	33,314	.....	Decatur, CO ⁵	3,058	3,194	3,222	0.9	26,563	27,901	28,417	123
Houston-Galveston-Brazoria, TX.....	143,594	157,975	167,954	6.3	31,218	33,632	34,916	.....	Denver, CO ⁶	71,496	80,516	83,704	4.0	34,515	37,924	38,513	17
Los Angeles-Riverside-Orange County, CA.....	450,650	484,858	508,187	4.8	27,842	29,488	30,360	.....	Des Moines, IA.....	13,766	14,545	15,318	5.3	30,550	31,777	32,991	47
Miami-Fort Lauderdale, FL.....	100,297	107,399	112,446	4.7	26,289	27,576	28,325	.....	Detroit, MI ⁷	140,791	149,689	151,753	1.4	31,716	33,665	34,035	37
Milwaukee-Racine, WI.....	51,745	54,859	56,513	3.0	30,716	32,436	33,308	.....	Dothan, AL.....	3,072	3,228	3,330	3.1	22,360	23,386	24,030	254
New York-No. New Jersey-Long Island, NY-NJ-CT-PA.....	774,091	846,883	872,675	3.0	36,943	40,046	40,949	.....	Dover, DE.....	2,877	3,047	3,084	1.2	22,906	23,974	23,940	280
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD.....	194,331	209,100	216,243	3.4	31,526	33,750	34,750	.....	Dubuque, IA.....	2,176	2,305	2,394	3.9	24,465	25,825	26,889	163
Portland-Salem, OR-WA.....	64,163	69,645	71,520	2.7	28,638	30,619	30,822	.....	Duluth-Superior, MN-WI.....	5,984	6,389	6,571	2.8	24,615	26,202	26,873	166
Sacramento-Yolo, CA.....	49,898	54,235	57,143	5.3	29,235	29,996	30,571	.....	Dutchess County, NY ⁸	8,029	8,702	9,196	5.7	28,925	30,987	32,349	53
San Francisco-Oakland-San Jose, CA.....	281,381	333,236	326,824	-1.9	40,605	47,180	45,778	.....	Eau Claire, WI.....	3,600	3,837	3,872	0.9	24,426	25,817	25,899	188
Seattle-Tacoma-Bremerton, WA.....	121,336	129,721	132,586	2.2	34,428	36,386	36,669	.....	El Paso, TX.....	11,874	12,546	13,230	5.4	17,581	18,398	19,186	311
Washington-Baltimore, DC-MD-VA-WV.....	264,060	287,952	302,650	5.1	35,119	37,684	38,915	.....	Elkhart-Goshen, IN.....	4,614	4,852	4,833	-0.4	25,544	26,436	26,050	182
Metropolitan Statistical Areas⁴																	
Abilene, TX.....	3,001	3,184	3,051	-4.2	23,757	25,179	24,304	246	Enid, OK.....	1,321	1,378	1,421	3.1	22,704	23,896	24,780	230
Akron, OH ⁹	19,258	20,362	20,905	2.7	27,784	29,258	29,953	91	Erie, PA.....	6,618	6,975	7,156	2.6	23,527	24,847	25,495	206
Albany, GA.....	2,646	2,776	2,852	2.7	21,951	22,975	23,275	277	Eugene-Springfield, OR.....	7,849	8,292	8,420	1.5	24,392	25,641	25,963	185
Albany-Schenectady-Troy, NY.....	24,982	26,732	27,956	4.6	28,583	30,503	31,789	62	Evansville-Henderson, IN-KY.....	7,817	8,288	8,650	4.4	24,445	25,970	26,185	106
Albuquerque, NM.....	17,295	18,436	19,531	5.9	24,489	25,794	27,030	159	Fargo-Moorhead, ND-MN.....	4,533	4,811	4,992	3.8	26,216	27,538	28,372	124
Alexandria, LA.....	2,885	3,070	3,297	7.4	22,877	24,282	26,053	181	Fayetteville, NC.....	7,151	7,587	7,777	2.5	23,710	25,054	25,729	198
Allentown-Bethlehem-Easton, PA.....	17,521	18,796	19,520	3.8	27,579	29,421	30,317	86	Fayetteville-Springdale-Rogers, AR.....	6,813	7,356	7,936	7.9	22,464	23,461	24,585	237
Altoona, PA.....	2,999	3,148	3,173	0.8	23,110	24,382	24,682	234	Flagstaff, AZ-UT.....	2,558	2,771	2,884	4.1	21,086	22,577	23,311	275
Amarillo, TX.....	5,052	5,344	5,367	0.4	23,407	24,688	24,365	243	Flint, MI ¹⁰	10,667	11,013	11,016	0.0	24,556	25,204	25,105	219
Anchorage, AK.....	8,674	9,200	9,755	6.0	33,447	35,307	36,949	22	Florence, AL.....	2,954	3,091	3,140	1.6	20,759	21,615	22,037	294
Ann Arbor, MI.....	18,277	20,022	20,125	0.5	32,072	34,403	33,965	38	Florence, SC.....	2,903	3,103	3,251	4.8	23,107	24,666	25,742	197
Anniston, AL.....	2,376	2,392	2,452	2.5	20,675	21,486	22,035	295	Fort Collins-Loveland, CO.....	6,657	7,512	7,949	4.5	26,961	29,700	30,198	89
Appleton-Oshkosh-Neenah, WI.....	9,604	10,290	10,746	4.4	27,030	28,626	29,579	97	Fort Lauderdale, FL.....	45,864	48,383	51,370	6.2	28,289	29,629	30,702	79
Asheville, NC.....	5,760	6,114	6,256	2.3	25,747	26,970	27,378	148	Fort Myers-Cape Coral, FL.....	11,477	12,523	13,563	8.3	28,568	28,215	29,540	99
Atlanta, GA.....	139,019	144,477	144,477	3.9	31,534	33,507	33,769	41	Fort Pierce-St. Lucie, FL.....	9,064	9,608	10,033	4.4	28,653	29,965	30,601	83
Atlantic-Cape May, NJ ¹¹	10,367	11,135	11,273	1.2	29,404	31,328	31,511	66	Fort Smith, AR-OK.....	4,304	4,632	4,839	4.5	21,029	22,270	23,048	280
Auburn-Opelika, AL.....	2,023	2,161	2,210	2.3	17,918	18,714	19,923	312	Fort Walton Beach, FL.....	4,344	4,531	4,768	5.2	25,698	26,505	27,674	142
Augusta-Aiken, GA-SC.....	10,819	11,489	11,876	3.4	22,805	24,033	24,721	233	Fort Wayne, IN.....	13,234	14,022	14,070	0.3	26,558	27,867	28,719	140
Austin-San Marcos, TX.....	36,852	40,712	41,673	2.4	30,560	32,185	31,511	66	Fort Worth-Arlington, TX ¹²	46,244	50,277	53,146	5.7	27,663	29,337	30,230	88
Bakersfield, CA.....	12,815	13,637	14,236	4.4	19,553	20,543	21,021	306	Fresno, CA.....	18,282	19,332	20,219	4.6	20,061	20,878	21,463	303
Baltimore, MD ¹³	78,303	83,987	87,832	4.6	30,824	32,837	34,039	36	Gadsden, AL.....	2,121	2,211	2,253	1.9	20,397	21,400	21,865	298
Bangor, ME (NECMA).....	3,229	3,461	3,651	5.5	22,287	23,889	25,097	221	Gainesville, FL.....	5,121	5,423	5,635	3.9	23,727	24,841	25,572	203
Barnstable-Yarmouth, MA (NECMA).....	7,348	7,881	8,159	3.5	33,557	35,303	36,135	28	Galveston-Texas City, TX ¹⁴	6,411	6,839	7,088	3.6	25,758	27,272	27,786	141
Baton Rouge, LA.....	14,488	15,246	15,836	3.9	24,221	25,228	26,032	183	Gary, IN ¹⁵	16,197	17,240	17,825	3.4	25,685	27,282	28,094	130
Beaumont-Port Arthur, TX.....	8,752	9,115	9,307	2.1	22,730	23,689	24,296	247	Glens Falls, NY.....	2,756	2,934	2,986	1.7	22,211	23,599	23,952	258
Bellingham, WA.....	3,699	3,950	4,192	6.1	22,474	23,567	24,564	239	Goldspore, NC.....	2,249	2,416	2,459	1.8	19,871	21,319	21,738	301
Benton Harbor, MI.....	4,041	4,219	4,185	-0.8	24,941	25,942	25,826	189	Grand Forks, ND-MN.....	2,264	2,388	2,444	2.3	23,125	24,562	25,351	212
Bergen-Passaic, NJ ¹⁶	53,208	58,913	60,735	3.1	38,885	42,799	43,856	4	Grand Junction, CO.....	2,699	2,922	3,007	2.9	23,509	25,019	25,366	210
Billings, MT.....	3,202	3,450	3,635	5.4	24,868	26,628	27,891	137	Grand Rapids-Muskegon-Holland, MI.....	28,993	30,747	31,462	2.3	29,099	28,145	28,471	121
Biloxi-Gulfport-Pascagoula, MS.....	8,064	8,502	8,685	2.2	22,336	23,304	23,679	266	Great Falls, MT.....	1,908	2,013	2,072	2.9	23,669	25,106	26,016	184
Binghamton, NY.....	5,987	6,344	6,463	1.9	23,686	25,167	25,669	201	Greenville, SC.....	3,888	4,217	4,357	3.3	23,301	23,016	22,469	290
Birmingham, AL.....	25,654	27,170	28,450	4.7	27,969	29,437	30,620	81	Green Bay, WI.....	6,431	6,834	7,005	2.5	28,605	30,052	30,535	85
Bismarck, ND.....	2,276	2,460	2,618	6.4	24,155	25,944	27,461	144	Greensboro-Winston-Salem-High Point, NC.....	33,981	36,054	36,626	1.6	27,452	28,707	28,774	115
Bloomington, IN.....	2,763	2,979	3,062	2.8	22,964	24,684	25,302	213	Greenville, NC.....	2,940	3,291	3,362	2.2	22,179	24,526	24,854	225
Bloomington-Normal, IL.....	4,206	4,511	4,679	3.7	28,200	29,897	30,761	77	Greenville-Spartanburg-Anderson, SC.....	23,013	24,655	25,239	2.4	24,159	25,534	25,818	191
Boise City, ID.....	11,424	12,776	13,153	3.0	27,135	29,2											

Table K.1. Personal Income and Per Capita Personal Income by Metropolitan Area, 1999-2001-Continued

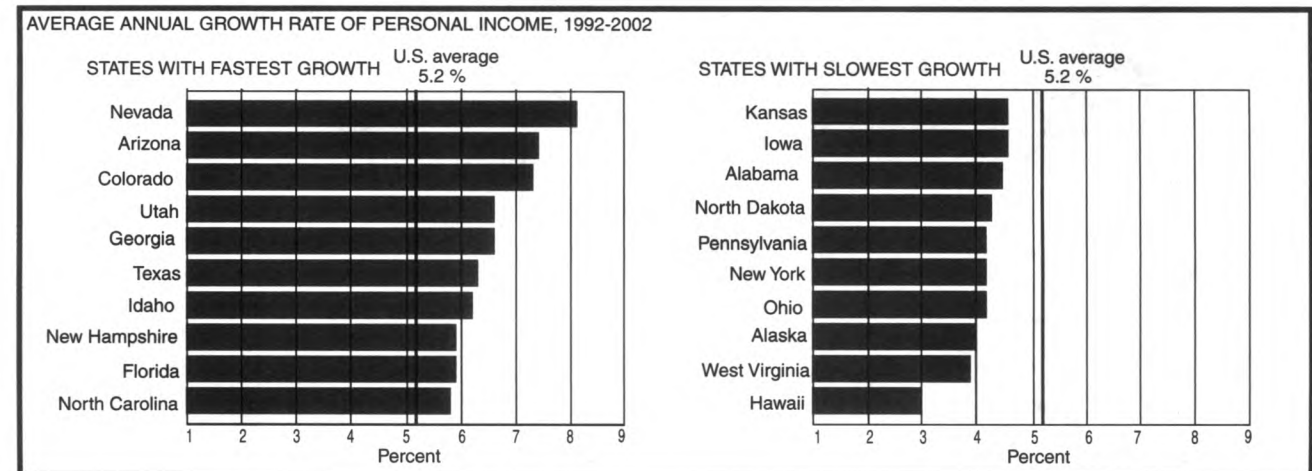
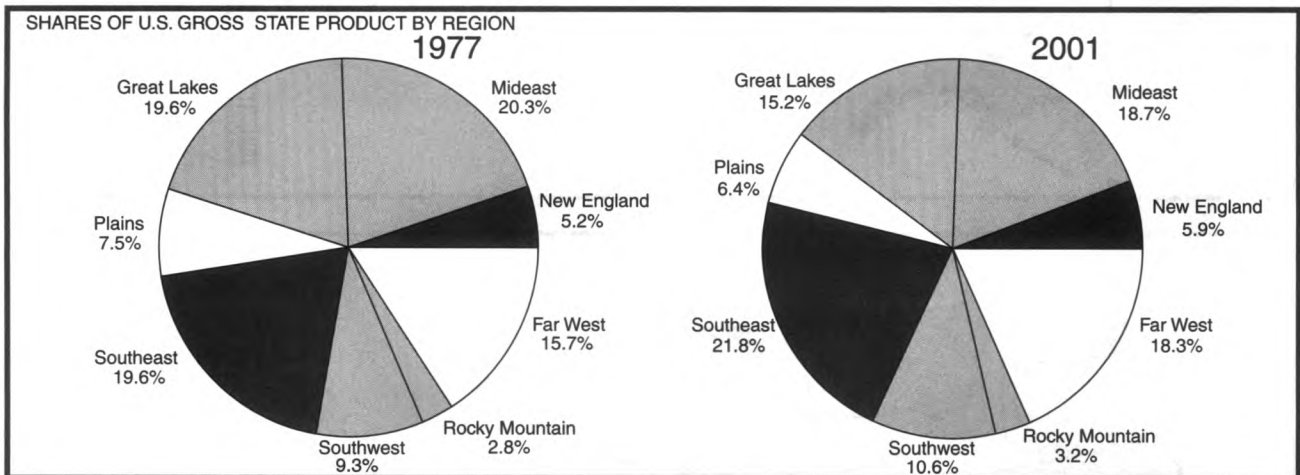
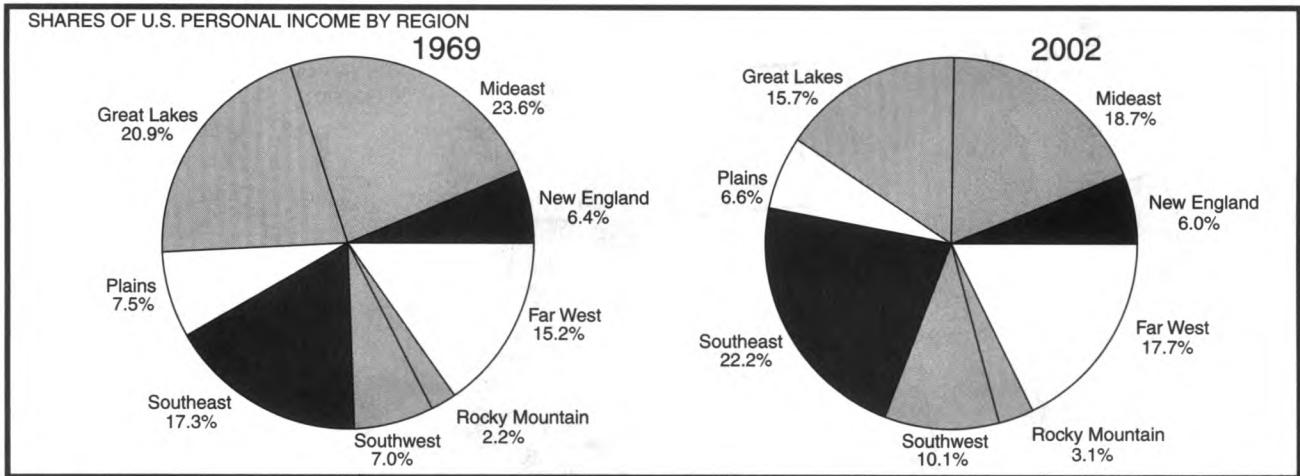
Table with columns for Area name, Personal income (Millions of dollars, Percent change), and Per capita personal income (Dollars, Rank in U.S.) for 1999, 2000, and 2001. The table lists 100 metropolitan areas, including La Crosse, WI-MN; Lafayette, LA; Reno, NV; and many others, providing specific income and growth data for each.

1. Per capita personal income was computed using Census Bureau midyear population estimates. Estimates for 2000-2001 reflect county population estimates available as of April 2003.
2. Percent change calculated from unrounded data.
3. The personal income level shown for the United States is derived as the sum of the county estimates. It differs from the estimate of personal income in the national income and product accounts (NIPAs) because of differences in coverage, in the methodologies used to prepare the estimates, and in the timing of the availability of source data. In particular, it differs from

the NIPA estimate because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms.
4. Includes Metropolitan Statistical Areas, Primary Metropolitan Statistical Areas (PMSAs designated by *), and New England County Metropolitan Areas (NECMAs). The New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA is presented as a PMSA (part of the New York CMSA).
Source: Table 1 in "Local Area Personal Income, 1999-2001" in the May 2003 issue of the SURVEY OF CURRENT BUSINESS.

L. Charts

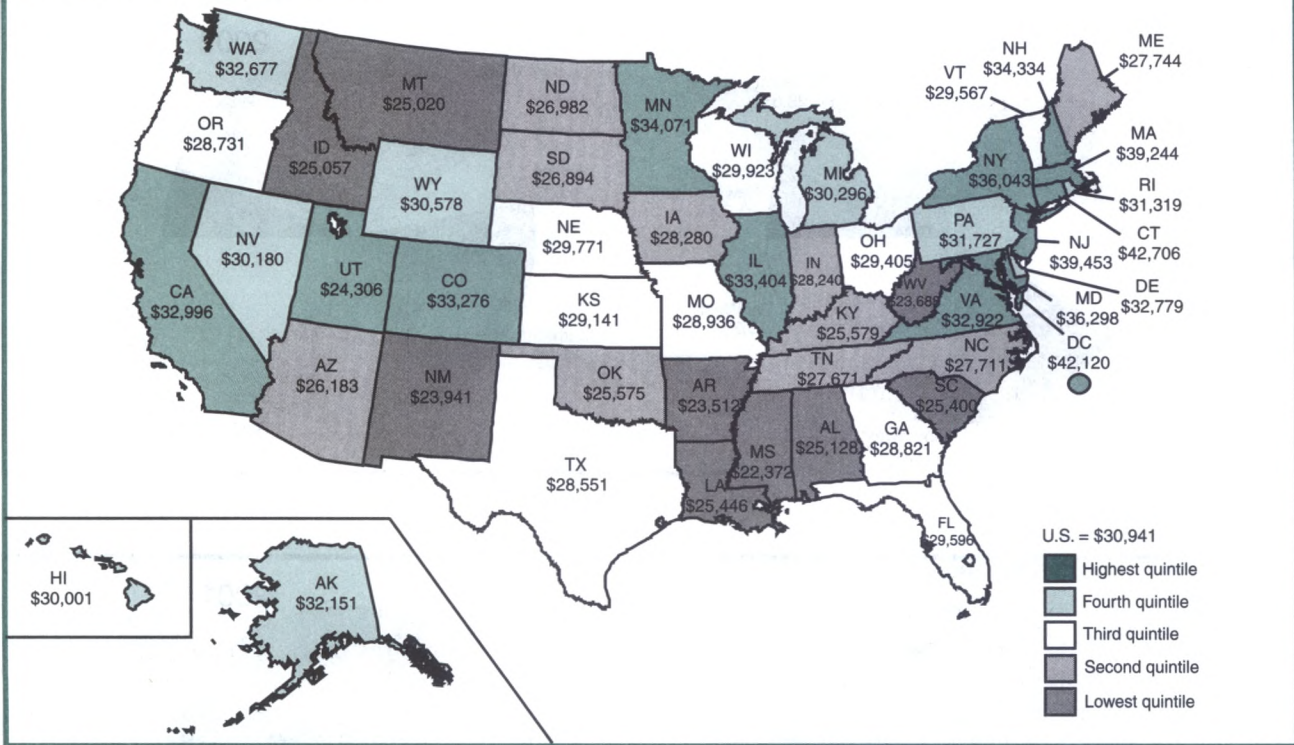
SELECTED REGIONAL ESTIMATES



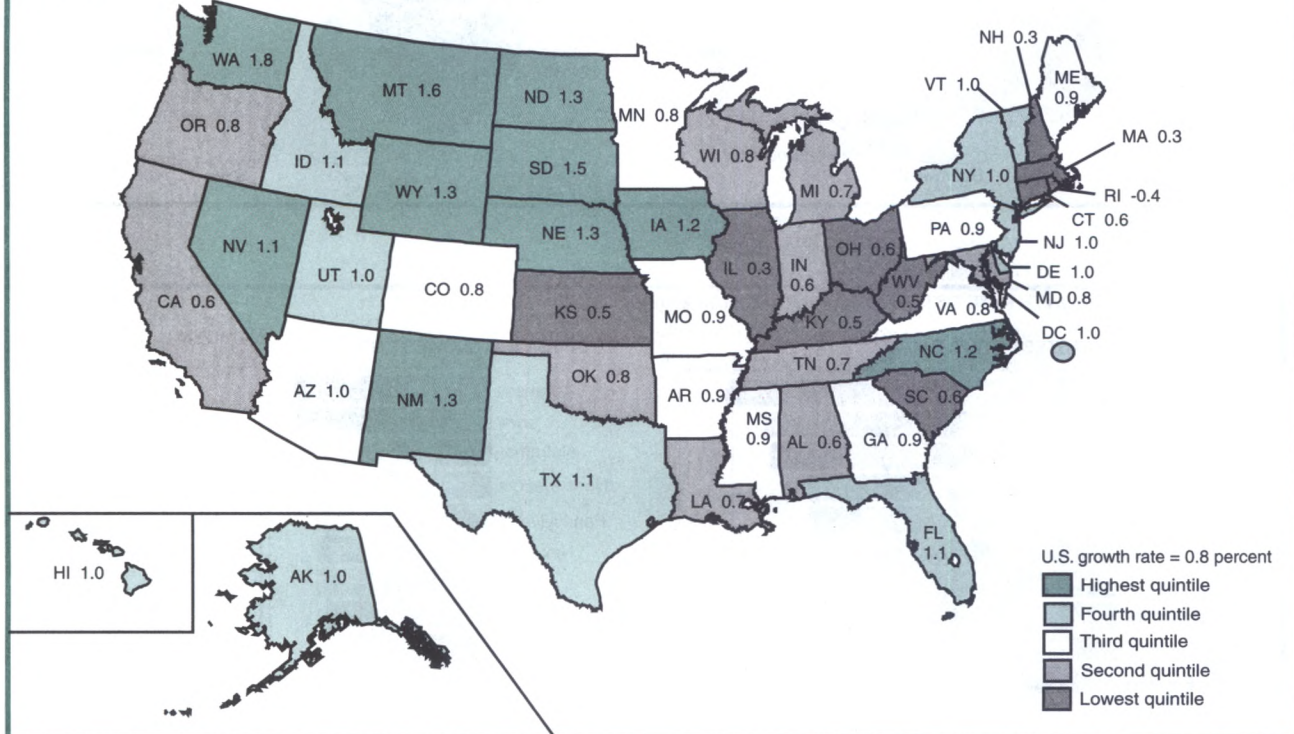
U.S. Bureau of Economic Analysis

SELECTED REGIONAL ESTIMATES

PER CAPITA PERSONAL INCOME, 2002



PERSONAL INCOME: PERCENT CHANGE, 2003:I-2003:II



U.S. Bureau of Economic Analysis

Appendix A

Additional Information About the NIPA Estimates

Statistical Conventions

Changes in current-dollar GDP measure changes in the market value of goods and services produced in the economy in a particular period. For many purposes, it is necessary to decompose these changes into quantity and price components. To compute the quantity indexes, changes in the quantities of individual goods and services are weighted by their prices. (Quantity changes for GDP are often referred to as changes in “real GDP.”) For the price indexes, changes in the prices for individual goods and services are weighted by quantities produced. (In practice, the current-dollar value and price indexes for most GDP components are determined largely using data from Federal Government surveys, and the real values of these components are calculated by deflation at the most detailed level for which all the required data are available.)

The annual changes in quantities and prices are calculated using a Fisher formula that incorporates weights from 2 adjacent years. For example, the annual percent change in real GDP in 1997–98 uses prices for 1997 and 1998 as weights, and the 1997–98 annual percent change in the GDP price index uses quantities for 1997 and 1998 as weights. Because the Fisher formula allows for the effects of changes in relative prices and in the composition of output over time, the resulting quantity or price changes are not affected by the substitution bias that is associated with changes in quantities and prices calculated using a fixed-weighted formula.¹ These annual changes are “chained” (multiplied) together to form time series of quantity and price; the percent changes that are calculated from these time series are not affected by the choice of reference period.

The quarterly changes in quantities and prices are calculated with weights from two adjacent quarters. As part of an annual or comprehensive revision, the quarterly indexes through the most recent complete year are adjusted to ensure that the average of the quarterly indexes conforms to the corresponding annual index.

In addition, BEA prepares measures of real GDP and its components in a dollar-denominated form, designated “chained (1996) dollar estimates.” These estimates are computed by multiplying the 1996 current-dollar value of GDP, or of a GDP component, by the corresponding quantity index number. For example, if a current-dollar GDP component equaled \$100 in 1996 and if real output for this component increased by 10 percent in 1997, then the “chained (1996) dollar” value of this com-

ponent in 1997 would be \$110 ($\100×1.10). Note that percentage changes in the chained (1996) dollar estimates and the percentage changes calculated from the quantity indexes are identical, except for small differences due to rounding.

Because of the formula used for calculating real GDP, the chained (1996) dollar estimates for detailed GDP components do not add to the chained-dollar value of GDP or to any intermediate aggregates. A “residual” line is shown as the difference between GDP and the sum of the most detailed components shown in each table. The residual generally is small close to the base period but tends to become larger as one moves further from it. Accurate measures of component contributions to the percentage changes in real GDP and its major components are shown in NIPA tables 8.2–8.6.

BEA also publishes the “implicit price deflator” (IPD), which is calculated as the ratio of current-dollar value to the corresponding chained-dollar value, multiplied by 100; the values of the IPD and of the corresponding “chain-type” price index are very close.

For quarters and months, the estimates are presented at annual rates, which show the value that would be registered if the rate of activity measured for a quarter or a month were maintained for a full year. Annual rates are used so that time periods of different lengths—for example, quarters and years—may be compared easily. These annual rates are determined simply by multiplying the estimated rate of activity by 4 (for quarterly data) or by 12 (for monthly data).

Percent changes in the estimates are also expressed at annual rates. Calculating these *changes* requires a variant of the compound interest formula:

$$r = \left[\left(\frac{x_t}{x_o} \right)^{m/n} - 1 \right] \times 100,$$

where r is the percent change at an annual rate; x_t is the level of activity in the later period; x_o is the level of activity in the earlier period; m is the periodicity of the data (for example, 1 for annual data, 4 for quarterly, or 12 for monthly); and n is the number of periods between the earlier and later periods (that is, $t - o$).

Quarterly and monthly NIPA estimates are seasonally adjusted, if necessary. Seasonal adjustment removes from the time series the average impact of variations that normally occur at about the same time and in about the same magnitude each year—for example, weather, holidays, and tax payment dates. After seasonal adjustment, cyclical and other short-term changes in the economy stand out more clearly.

1. In addition, because the changes in quantities and prices calculated using these weights are symmetric, the product of a quantity index and the corresponding price index is generally equal to the current-dollar index.

Reconciliation Tables

Table 1. Reconciliation of Changes in BEA-Derived Compensation Per Hour with BLS Average Hourly Earnings
[Percent change from preceding period]

	2001	2002	Seasonally adjusted at annual rates					
			2002			2003		
			II	III	IV	I	II	III
BEA-derived compensation per hour of all persons in the nonfarm business sector (less housing) ¹	3.7	2.8	3.9	2.0	1.6	2.7	3.5	4.0
Less: Contribution of supplements to wages and salaries per hour.....	0.3	0.6	0.8	0.8	0.9	0.3	0.3	-0.2
Plus: Contribution of wages and salaries per hour of persons in housing and in nonprofit institutions.....	-0.1	-0.1	0.3	0.4	0.4	0.2	-0.5	-0.3
Less: Contribution of wages and salaries per hour of persons in government enterprises, unpaid family workers, and self-employed.....	0.0	0.0	0.1	0.5	0.0	0.5	-0.4	0.3
Equals: BEA-derived wages and salaries per hour of all employees in the private nonfarm sector	3.4	2.1	3.2	1.1	1.1	2.1	3.2	3.7
Less: Contribution of wages and salaries per hour of nonproduction workers in manufacturing.....	-0.1	0.0	0.2	-0.4	0.2	-0.2	0.4	-0.2
Less: Other differences ²	-0.3	-0.9	0.4	-2.6	-2.7	-0.9	0.8	1.1
Equals: BLS average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls	3.8	2.9	2.6	4.0	3.6	3.2	2.0	2.7
Addendum: BLS estimates of compensation per hour in the nonfarm business sector ³	3.6	2.8	3.9	2.0	1.6	4.1	3.8	.....

1. Includes BLS data on compensation and hours of nonfarm proprietors and hours worked of unpaid family workers.

2. Includes BEA use of non-BLS data and differences in detailed weighting. Annual estimates also include differences in BEA and BLS benchmark procedures; quarterly estimates also include differences in seasonal adjustment procedures.

3. These estimates differ from the BEA-derived estimates (first line) because the BLS estimates include compensation and hours of tenant-occupied housing. In addition, the published BLS estimates for the first and second quarters of 2003 do not reflect revisions to BEA wages and salaries for the first and second quarters of 2003.

BLS Bureau of Labor Statistics.

Table 2. Relation of Net Exports of Goods and Services and Net Receipts of Income in the NIPAs to Balance on Goods and Services and Income in the ITAs

[Billions of dollars]

	Line	2001	2002	Seasonally adjusted at annual rates					
				2002				2003	
				I	II	III	IV	I	II
Exports of goods and services and income receipts, ITAs	1	1,284.9	1,229.6	1,188.3	1,230.5	1,255.8	1,244.1	1,241.1	1,244.0
Less: Gold, ITAs.....	2	4.9	3.4	2.6	3.5	3.6	3.8	3.8	5.6
Statistical differences ¹	3	3.1	14.8	22.2	13.3	8.7	15.1	8.0	7.2
Other items.....	4	0.9	0.8	0.9	1.0	0.8	0.7	0.8	0.9
Plus: Adjustment for grossing of parent/affiliate interest payments.....	5	6.0	5.0	4.3	5.1	4.8	5.7	5.0	5.0
Adjustment for U.S. territories and Puerto Rico.....	6	50.7	57.3	56.6	56.6	57.7	58.2	58.0	57.0
Services furnished without payment by financial intermediaries except life insurance carriers.....	7	18.3	20.1	18.6	19.8	20.6	21.3	21.5	21.5
Equals: Exports of goods and services and income receipts, NIPAs	8	1,351.1	1,292.9	1,242.2	1,294.1	1,325.9	1,309.6	1,313.1	1,313.9
Imports of goods and services and income payments, ITAs	9	1,632.1	1,651.7	1,551.5	1,667.8	1,690.7	1,696.7	1,726.9	1,730.9
Less: Gold, ITAs.....	10	4.3	2.9	2.0	3.5	3.0	2.9	2.4	4.1
Statistical differences ¹	11	6.2	-17.7	-1.2	-16.9	-19.0	-33.5	-13.9	-13.6
Other items.....	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plus: Gold, NIPAs.....	13	-3.4	-3.3	-3.3	-3.6	-3.5	-2.9	-3.4	-3.7
Adjustment for grossing of parent/affiliate interest payments.....	14	6.0	5.0	4.3	5.1	4.8	5.7	5.0	5.0
Adjustment for U.S. territories and Puerto Rico.....	15	35.6	38.0	30.1	37.2	41.1	43.4	31.9	40.2
Imputed interest paid to rest of world.....	16	18.3	20.1	18.6	19.8	20.6	21.3	21.5	21.5
Equals: Imports of goods and services and income payments, NIPAs	17	1,678.0	1,726.1	1,600.4	1,739.8	1,769.7	1,794.7	1,810.6	1,822.1
Balance on goods and services and income ITAs (1-9)	18	-347.2	-422.1	-363.2	-437.3	-434.9	-452.6	-485.8	-486.9
Less: Gold (2-10+13).....	19	-2.8	-2.8	-2.7	-3.6	-2.9	-2.0	15.1	16.5
Statistical differences (3-11) ¹	20	-3.1	32.5	23.4	30.2	27.7	48.6	21.9	20.8
Other items (4-12).....	21	0.9	0.8	0.9	1.0	0.8	0.7	0.8	0.9
Plus: Adjustment for U.S. territories and Puerto Rico (6-15).....	22	15.1	19.3	26.5	19.4	16.6	14.8	26.1	16.8
Equals: Net exports of goods and services and net receipts of income, NIPAs (8-17)	23	-326.9	-433.2	-358.2	-445.7	-443.8	-485.1	-497.5	-508.2

1. Consists of statistical revisions in the NIPAs that have not yet been incorporated into the ITAs (2003:II) and statistical revisions in the ITAs that have not yet been incorporated into the NIPAs (2001:I-2003:II).

ITAs International transactions accounts
NIPAs National income and product accounts

Appendix B

Suggested Reading

The Bureau of Economic Analysis (BEA) has published a wealth of information about the methodologies that are used to prepare its national, industry, international, and regional accounts. In addition, most of this information is available on BEA's Web site at <www.bea.gov>. Look under "Methodologies"; for articles from the SURVEY OF CURRENT BUSINESS, look under "Publications."

National accounts

The national accounts encompass the detailed estimates in the national income and product accounts (including gross domestic product) and the estimates of wealth and related estimates.

National income and product accounts (NIPAs). This series of papers documents the conceptual framework of the NIPAs and the methodologies that have been used to prepare the estimates.

An Introduction to National Economic Accounting (1985) [also in the March 1985 SURVEY]

Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends (2002)

Foreign Transactions (1987)

GNP: An Overview of Source Data and Estimating Methods (1987)

Government Transactions (1988)

Personal Consumption Expenditures (1990)

The methodologies described in these papers have been updated and improved, typically as part of the comprehensive and annual revisions of the NIPAs. For more information, see the following.

National Income and Product Accounts of the United States, 1929-97 (2001) provides the definitions of the major NIPA aggregates and components, discusses the measures of real output and prices, explains how production is classified and how the NIPAs are presented, describes the statistical conventions that are used, and lists the principal source data and methods that are used to prepare the estimates of gross domestic product (GDP). [Go to <www.bea.gov/bea/an/nipaguid.htm>.]

The following SURVEY articles describe the upcoming comprehensive revision of the NIPAs.

"Preview of the Revised NIPA Estimates for 1997: Effects of Incorporating the 1997 Benchmark I-O Accounts

and Proposed Definitional and Statistical Changes" (January 2003)

"Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: Changes in Definitions and Classifications" (June 2003)

"Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: New and Redesignated Tables" (August 2003)

"Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: Statistical Changes" (September 2003)

In addition, see the following articles.

"Updated Summary NIPA Methodologies" (October 2002) briefly describes the principal source data and methods used to prepare the current-dollar and real estimates of GDP.

"Annual Revision of the National Income and Product Accounts" (August 2002).

"BEA's Chain Indexes, Time Series, and Measures of Long-Term Economic Growth" (May 1997) describes the conceptual basis for the chain-type measures of real output and prices that are used in the NIPAs.

"Reliability of GDP and Related NIPA Estimates" (January 2002) evaluates the principal NIPA estimates by examining the record of revisions to them.

Wealth and related estimates. *Fixed Assets and Consumer Durable Goods in the United States, 1925-97* (2003) discusses the concepts and statistical considerations that underlie the estimates and their derivation.

"Fixed Assets and Consumer Durable Goods for 1925-98" (April 2000) describes the definitional and statistical improvements that were incorporated in the comprehensive revision of the estimates.

Mission Statement and Strategic Plan

The mission statement of the Bureau of Economic Analysis and the latest update to its strategic plan for improving the accuracy, reliability, and relevance of the national, industry, regional, and international accounts are available on BEA's Web site at <www.bea.gov>; look under "About BEA."

Industry accounts

The industry accounts consist of the estimates of gross domestic product by industry, the input-output accounts, and two satellite accounts.

Gross product by industry. "Improved Estimates of Gross Product by Industry for 1947-98" (June 2000) describes the most recent comprehensive revision of these estimates.

"Gross Domestic Product by Industry for 1999-2001" (November 2002) describes the most recent annual revision of the these estimates.

Input-output accounts. "Benchmark Input-Output Accounts for the U.S. Economy, 1997" (December 2002) presents the 1997 accounts and describes the improvements that were incorporated.

Satellite accounts. These accounts extend the analytical capacity of the input-output accounts by focusing on a particular aspect of economic activity.

"U.S. Transportation Satellite Accounts"

For 1992 (April 1998)

For 1996 (May 2000)

"U.S. Travel and Tourism Satellite Accounts"

For 1992 (July 1998)

For 1996 and 1997 (July 2000)

International accounts

The international accounts encompass the international transactions accounts, direct investment, and international transactions in services.

International transactions accounts (ITAs). *The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures* (1990) describes the methodologies used to prepare the estimates in the ITAs and the international investment position of the United States. These methodologies are usually updated and improved as part of the annual revisions of the ITAs.

The annual revisions of the ITAs are described in a series of articles, the latest of which was published in the July 2003 SURVEY.

Direct investment. *International Direct Investment: Studies by the Bureau of Economic Analysis* (1999) is a collection of previously published articles on U.S. direct investment abroad and foreign direct investment in the United States. It also includes the following information.

The "Methodology for U.S. Direct Investment Abroad," which is also available in *U.S. Direct Investment Abroad: 1994 Benchmark Survey, Final Results* (1998)

"A Guide to BEA Statistics on U.S. Multinational Companies," which is also available in the March 1995 SURVEY

"A Guide to BEA Statistics on Foreign Direct Investment in the United States," which is also available in the February 1990 SURVEY

In addition, the updated methodology for foreign direct investment in the United States is available in *Foreign Direct Investment in the United States: Final Results From the 1997 Benchmark Survey* (2001).

International services. *U.S. International Transactions in Private Services: A Guide to the Surveys Conducted by the Bureau of Economic Analysis* (1998) describes 11 surveys. It includes classifications, definitions, release schedules, the methods used to prepare the estimates, and samples of the survey forms.

"Selected Issues in the Measurement of U.S. International Services" (June 2002) describes key issues in defining and measuring insurance, wholesale and retail trade, finance, construction, and utilities services and explores possible actions to address these issues.

Regional accounts

The regional accounts include estimates of personal income and gross state product.

Personal income. Estimates of personal income are prepared for States and for local areas.

"Comprehensive Revision of State Personal Income for 1969-99" (June 2000) summarizes the changes in the methodology that is used to prepare the estimates. The detailed methodology is available on the CD-ROM *State Personal Income, 1929-2000*.

"State Personal Income: Revised Estimates for 1999-2001" (October 2002) presents the most recent annual revision of these estimates.

"Comprehensive Revision of Local Area Personal Income for 1969-98" (July 2000) summarizes the changes in the methodology that is used to prepare the estimates for counties and metropolitan areas. The detailed methodology is available on the CD-ROM *Regional Economic Information System, 1969-2001*.

"Local Area Personal Income, 1999-2001" (May 2003) presents the most recent annual revision of these estimates.

Gross state product. "Comprehensive Revision of Gross State Product by Industry, 1977-94" (June 1997) summarizes the sources and the methods that are used to prepare the estimates. "Gross State Product by Industry, 1977-98" (October 2000) describes the most recent comprehensive revision of these estimates.

"Gross State Product by Industry, 1999-2001" (June 2003) presents the most recent annual revision of these estimates.