

News

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PRODUCTIVITY AND COSTS First Quarter 2005, Revised

The Bureau of Labor Statistics of the U.S. Department of Labor today reported revised productivity data—as measured by output per hour of all persons—for the first quarter of 2005. The revised seasonally adjusted annual rates of productivity change in the first quarter were:

2.6 percent in the business sector and
2.9 percent in the nonfarm business sector.

In both sectors, the first-quarter productivity gains were somewhat higher than those reported initially on May 5.

In manufacturing, the revised productivity changes in the first quarter were:

4.4 percent in manufacturing,
6.3 percent in durable goods manufacturing, and
2.4 percent in nondurable goods manufacturing.

Manufacturing productivity growth was faster than reported on May 5, reflecting an upward revision to productivity in nondurable goods manufacturing. Productivity growth in durable goods manufacturing was unchanged from the figure released last month. Output and hours in manufacturing, which includes about 13 percent of U.S. business-sector employment, tend to vary more from quarter to quarter than data for the aggregate business and nonfarm business sectors. First-quarter measures are summarized in table A and appear in detail in tables 1 through 5.

This release reports revised data on hours at work and related measures, including productivity and hourly compensation. The hours revision reflects implementation of a new methodology which utilizes information on employment and hours by primary and secondary job of nonfarm proprietors and unpaid family workers, all persons working in the farm sector, and all employees of government enterprises. These data are collected in the BLS Current Population Survey. See Change in Methodology (page 7).

The data sources and methods used in the preparation of the manufacturing series differ from those used in preparing the business and nonfarm business series, and these measures are not directly comparable. Output measures for business and nonfarm business are based on measures of gross domestic product prepared by the Bureau of Economic Analysis of the U.S. Department of Commerce. Quarterly output measures for manufacturing reflect indexes of industrial production independently prepared by the Board of Governors of the Federal Reserve System. See Technical Notes for further information on data sources (page 8).

Sector	Productivity	Output	Hours	Hourly compensation	Real hourly compensation	Unit labor costs
Percent change from preceding quarter						
Business	2.6	4.0	1.4	6.0	3.5	3.3
Nonfarm business	2.9	4.0	1.1	6.3	3.9	3.3
Manufacturing	4.4	3.5	-0.9	6.2	3.8	1.7
Durable	6.3	5.5	-0.8	6.5	4.1	0.2
Nondurable	2.4	1.3	-1.1	5.7	3.3	3.2
Percent change from same quarter a year ago						
Business	2.8	4.2	1.3	7.1	4.0	4.1
Nonfarm business	2.6	4.0	1.4	7.0	3.9	4.3
Manufacturing	5.7	4.6	-1.0	8.1	5.0	2.4
Durable	6.5	6.0	-0.5	8.3	5.2	1.7
Nondurable	4.9	2.9	-1.9	7.7	4.6	2.7

Business

Productivity increased 2.6 percent in the business sector from the fourth quarter of 2004 to the first quarter of 2005, as output increased 4.0 percent and hours worked by all persons grew 1.4 percent (seasonally adjusted annual rates). Productivity had increased 3.8 percent in the previous quarter, reflecting increases in output and hours of 4.3 percent and 0.5 percent, respectively (table 1).

Hourly compensation increased 6.0 percent during the first quarter of 2005, after having increased 11.1 percent in the fourth quarter of 2004, as revised (seasonally adjusted annual rates). The fourth quarter increase was the largest in the sector since a 14.1-percent increase in the first quarter of 2000. This measure of compensation includes wages and salaries, supplements, employer contributions to employee benefit plans, and taxes. Real hourly compensation, which takes into account changes in consumer prices, rose by 3.5 percent in the first quarter of 2005, down from a 7.3-percent rise in the previous quarter.

Unit labor costs increased 3.3 percent during the first quarter of 2005, following a jump of 7.1 percent in the fourth quarter of 2004. The change in unit labor costs approximates the change in hourly compensation less the change in productivity. The implicit price deflator for business output, which reflects changes in both unit labor costs and unit nonlabor payments, grew by 2.6 percent in the first quarter of 2005.

Nonfarm business

Productivity rose 2.9 percent in the nonfarm business sector during the first quarter of 2005, reflecting a 4.0-percent rise in output and a 1.1-percent increase in hours of all persons (table 2). In fourth-quarter 2004, nonfarm productivity grew 2.3 percent as output grew 3.7 percent and hours increased 1.4 percent.

Hourly compensation increased 6.3 percent in the first quarter of 2005. After revision, this measure grew at a 10.2 percent annual rate in the fourth quarter of 2004—faster than in any quarter since the first quarter of 2000, when hourly compensation increased 14.5 percent. When the rise in consumer prices is taken into account, real hourly compensation rose 3.9 in the first quarter of 2005. Real hourly compensation had increased 6.4 percent in the previous quarter.

Unit labor costs grew 3.3 percent during the first quarter of 2005, less than the 7.7-percent increase in the fourth quarter, as revised. The implicit price deflator for nonfarm business output rose by 2.8 percent in the first quarter of 2005.

Manufacturing

Productivity rose 4.4 percent in manufacturing in the first quarter of 2005, as output grew 3.5 percent and working hours of all persons declined 0.9 percent (seasonally adjusted annual rates). In durable goods industries, productivity grew 6.3 percent, as output expanded 5.5 percent and hours fell 0.8 percent. In nondurable goods industries, productivity rose 2.4 percent, reflecting a 1.3 percent increase in output and a 1.1 percent decrease in hours (tables 3, 4, and 5).

Hourly compensation in manufacturing rose 6.2 percent during the first quarter. This increase reflects a rise of 6.5 percent in the hourly compensation of persons in durable goods industries and an increase of 5.7 percent in the hourly compensation of workers in nondurable goods industries. Real hourly compensation, which takes account of changes in consumer prices, rose 3.8 percent for all manufacturing workers.

Unit labor costs rose 1.7 percent in manufacturing during the first quarter. In durable goods industries, rapid productivity growth offset most of the increase in hourly compensation and unit labor costs increased by just 0.2 percent. In nondurable goods industries, where productivity grew at a slower rate in the first quarter, unit labor costs rose 3.2 percent.

Nonfinancial corporations

Preliminary first-quarter 2005 measures of productivity and costs for nonfinancial corporations also were announced today (tables B and 6). Productivity rose 2.7 percent in the first quarter, as output increased 3.2 percent and employee-hours rose 0.5 percent (seasonally adjusted annual rates). As revised, productivity had increased at a 9.0-percent annual rate in the fourth quarter of 2004, as output grew 10.5 percent and employee-hours rose 1.3 percent. The nonfinancial corporate sector includes all corporations doing business in the United States, except those classified as depository institutions, nondepository institutions, security and commodity brokers, insurance carriers, regulated investment offices, small business investment offices, and real estate investment trusts.

Table B. Nonfinancial corporations: Preliminary first-quarter 2005 productivity and cost measures (Seasonally adjusted annual rates)								
Period	Productivity	Output	Hours	Hourly compensation	Real hourly compensation	Unit labor costs	Unit profits	Implicit price deflator
Percent change from preceding quarter								
2005 I	2.7	3.2	0.5	6.8	4.4	4.1	-6.1	2.4
Percent change from same quarter a year ago								
2005 I	4.9	6.2	1.2	7.0	3.9	2.0	10.8	2.1

Hourly compensation rose 6.8 percent during the first quarter of 2005, following a 10.2 percent increase in the fourth quarter of 2004 that was the largest gain since first-quarter 2000, when compensation per hour increased 15.2 percent (seasonally adjusted annual rates). When the rise in consumer prices is taken into account, real hourly compensation increased 4.4 percent in the first quarter of 2005. Unit labor costs in nonfinancial corporations rose 4.1 percent in the first quarter, more than in any quarter since third-quarter 2000, when they increased 4.9 percent.

REVISED MEASURES

Previous and revised measures for the first quarter of 2005 in the business, nonfarm business, and manufacturing sectors are compared in table C. Productivity was revised up somewhat in all three sectors, due primarily to upward revisions in output as hours revisions were small. Hourly compensation and real hourly compensation were revised up in all sectors for the first quarter of 2005. Unit labor costs were revised up less than hourly compensation because compensation costs were somewhat offset by the upward revisions to productivity.

The BLS also announced revised results for the fourth quarter and annual average of 2004. Productivity growth in the fourth quarter of 2004 was revised up slightly for the business and nonfarm business sectors, reflecting small downward revisions to hours. On the other hand, both sectors showed a 0.1 percentage-point decline for the year 2004, due to small upward revisions to annual average hours. In the manufacturing sector, changes in productivity, output, and hours were the same as reported May 5 for fourth-quarter and annual average 2004.

Table C. Previous and revised productivity and related measures (Quarterly percent change at seasonally adjusted annual rate)						
Sector	Productivity	Output	Hours	Hourly compensation	Real hourly compensation	Unit labor costs
First quarter 2005						
Business:						
Previous	2.1	3.6	1.5	4.3	1.9	2.2
Revised.....	2.6	4.0	1.4	6.0	3.5	3.3
Nonfarm business:						
Previous	2.6	3.6	1.0	4.8	2.4	2.2
Revised.....	2.9	4.0	1.1	6.3	3.9	3.3
Manufacturing:						
Previous	3.9	3.3	-0.7	4.9	2.5	0.9
Revised.....	4.4	3.5	-0.9	6.2	3.8	1.7
Fourth quarter 2004						
Business:						
Previous	3.7	4.3	0.6	4.9	1.3	1.1
Revised.....	3.8	4.3	0.5	11.1	7.3	7.1
Nonfarm business:						
Previous	2.1	3.7	1.6	3.8	0.2	1.7
Revised.....	2.3	3.7	1.4	10.2	6.4	7.7
Manufacturing:						
Previous	6.3	4.9	-1.3	7.1	3.4	0.8
Revised.....	6.3	4.9	-1.3	10.4	6.6	3.9
Annual average 2004						
Business:						
Previous	4.0	5.1	1.1	4.5	1.8	0.6
Revised.....	3.9	5.1	1.2	4.9	2.2	1.0
Nonfarm business:						
Previous	4.1	5.3	1.2	4.5	1.7	0.4
Revised.....	4.0	5.3	1.2	4.8	2.1	0.8
Manufacturing:						
Previous	5.3	4.8	-0.4	4.5	1.8	-0.7
Revised.....	5.3	4.8	-0.4	4.7	2.0	-0.5

In all three sectors, hourly compensation and unit labor costs grew much more rapidly during the fourth quarter of 2004 than announced on May 5. In the business sector, hourly compensation growth was revised up from 4.9 percent to 11.1 percent and unit labor costs were revised up from 1.1 percent to 7.1 percent. In nonfarm business, hourly compensation growth went from 3.8 percent to 10.2 percent and unit labor costs went from 1.7 percent to 7.7 percent. In the manufacturing sector, hourly compensation growth was revised up from 7.1 percent to 10.4 percent and the increase in unit labor costs was revised up from 0.8 percent to 3.9 percent. The revisions to fourth quarter data were large enough to change movements in the annual averages for these measures. For the full year 2004, both hourly compensation and unit labor costs increased more than previously reported in the business and nonfarm business sectors. In the manufacturing sector, hourly compensation increased 0.2 percentage point more—and unit labor costs declined 0.2 percentage-point less—than originally reported.

The entire historical series of hours and related measures were also subject to revision due to a methodological change in the way hours are computed. At the aggregate level, trends in hours, and ratios based on hours, are very close to those in the previously-published measures. (See Change in Methodology on page 7, and appendix tables beginning on page 16.)

REVISED MEASURES: NONFINANCIAL CORPORATIONS

Fourth quarter and annual average 2004 measures also were revised for the nonfinancial corporate sector. In the fourth quarter of 2004, output and productivity were revised up sharply, and productivity rose 9.0 percent. Hourly compensation was revised up by more than productivity so unit labor costs also were revised up, and now show an increase of 1.1 percent rather than a decline of 0.8 percent. For the year 2004, productivity growth was revised up from 3.9 percent to 4.2 percent, due entirely to an upward revision to output growth from 5.4 percent to 5.6 percent. The 2004 increase in hourly compensation was revised up slightly more than productivity—from 4.4 percent to 4.8 percent—and unit labor costs were revised up 0.1 percent.

Table D. Nonfinancial corporations: Previous and revised productivity and cost measures Quarterly percent changes at seasonally adjusted annual rates								
	Produc- tivity	Output	Hours	Hourly compen- sation	Real hourly compen- sation	Unit labor costs	Unit profits	Implicit price deflator
Fourth quarter 2004								
Previous	5.3	6.7	1.3	4.4	0.8	-0.8	38.5	2.2
Revised	9.0	10.5	1.3	10.2	6.4	1.1	33.8	2.2
Annual average 2004								
Previous	3.9	5.4	1.4	4.4	1.7	0.5	20.0	1.8
Revised	4.2	5.6	1.4	4.8	2.1	0.6	19.8	1.8

Change in Methodology

The Bureau of Labor Statistics has used Current Population Survey (CPS) data to measure the hours of nonfarm proprietors and unpaid family workers, all persons working in the farm sector, and all employees of government enterprises using the hours worked by people whose main job falls into these categories. Effective with this release of Productivity and Costs, hours for primary and secondary jobs held by persons working more than one job will be processed separately and assigned to the appropriate class of worker for each job, rather than assigning all hours to the primary job. Hours worked in a second job as a nonfarm employee by a proprietor (or other selected category of worker for whom our source is the CPS) are deducted to avoid double-counting. Conversely, hours worked as a proprietor in a secondary job by a person who is primarily an employee are now included. This multiple-jobholder adjustment yields an improved measure of hours at work by sector and industry and the employment series approximates a count of jobs rather than persons. This adjustment has not yet been implemented within the manufacturing sector, where there are very few proprietors.

Next release date

The next release of **Productivity and Costs** is scheduled for **8:30 AM EDT, Tuesday, Aug. 9, 2004**. Preliminary second-quarter measures for business, nonfarm business, and manufacturing will be released at that time. The Aug. 9 release also will incorporate the three-year revision of the national income and product accounts.

TECHNICAL NOTES

Labor Hours: Hours data for the labor productivity and cost measures include hours for all persons working in the sector—wage and salary workers, the self-employed and unpaid family workers. The primary source of hours and employment data is the BLS Current Employment Statistics (CES) program, which provides monthly survey data on the number of jobs held by wage and salary workers in nonfarm establishments. The CES also provides average weekly paid hours of production and nonsupervisory workers in these establishments. Weekly paid hours are adjusted to hours at work using data from the National Compensation Survey (NCS). The BLS Hours at Work survey, conducted for this purpose, was used for years prior to 2001. The Office of Productivity and Technology estimates average weekly hours at work for nonproduction and supervisory workers using information from the Current Population Survey (CPS), the CES, and the NCS.

Data from the CPS are used for farm labor, nonfarm proprietors, and nonfarm unpaid family workers. Estimates of labor input for government enterprises are derived from the CPS, the CES, and the National Income and Product Accounts (NIPA) prepared by the Bureau of Economic Analysis (BEA) of the Department of Commerce.

Output: Business sector output is an annual-weighted index constructed after excluding from gross domestic product (GDP) the following outputs: general government, nonprofit institutions, and private households (including owner-occupied housing). Corresponding exclusions also are made in labor inputs. Business output accounted for about 78 percent of the value of GDP in 2000. Nonfarm business, which also excludes farming, accounted for about 77 percent of GDP in 2000.

Annual indexes for manufacturing and its durable and nondurable goods components are constructed by deflating current-dollar industry value of production data from the U.S. Bureau of the Census with deflators from the BEA. These deflators are based on data from the BLS producer price program and other sources. The industry shipments are aggregated using annual weights, and intrasector transactions are removed. Quarterly manufacturing output measures are based on the index of industrial production prepared monthly by the Board of

Governors of the Federal Reserve System, adjusted to be consistent with annual indexes of manufacturing sector output prepared by BLS. Durables include the following 3-digit NAICS industries: wood product manufacturing; non-metallic mineral product manufacturing; primary metal manufacturing; fabricated metal product manufacturing; machinery manufacturing; computer and electronic product manufacturing; electrical equipment and appliance manufacturing; transportation equipment manufacturing; furniture and related product manufacturing; and miscellaneous manufacturing. Nondurables include: food manufacturing; beverage and tobacco product manufacturing; textile mills; textile product mills; apparel manufacturing; leather and allied product manufacturing; paper manufacturing; printing and related support activities; petroleum and coal products manufacturing; chemical manufacturing; and plastics and rubber products manufacturing.

Nonfinancial corporate output is an annual-weighted index calculated on the basis of the costs incurred and the incomes earned from production. The output measure excludes the following outputs from GDP: general government; nonprofit institutions; private households; unincorporated business; and those corporations classified as offices of bank holding companies, offices of other holding companies, or offices in the finance and insurance sector. Nonfinancial corporations accounted for about 54 percent of the value of GDP in 2000.

Productivity: These productivity measures describe the relationship between real output and the labor time involved in its production. They show the changes from period to period in the amount of goods and services produced per hour. Although these measures relate output to hours at work of all persons engaged in a sector, they do not measure the specific contribution of labor, capital, or any other factor of production. Rather, they reflect the joint effects of many influences, including changes in technology; capital investment; level of output; utilization of capacity, energy, and materials; the organization of production; managerial skill; and the characteristics and effort of the work force.

Information in this release will be made available to sensory-impaired individuals upon request. Voice phone: 202-691-5606; Federal Relay Service number: 1-800-877-8339.

Table 1. Business sector: Productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Indexes 1992=100									
2003	I	126.3	145.5	115.2	147.4	115.2	r116.7	117.7	117.1
	II	r128.9	147.5	r114.5	r149.7	r116.9	r116.2	r119.2	117.3
	III	r131.3	150.8	r114.8	r151.6	117.7	r115.5	r121.0	117.5
	IV	r131.9	152.3	r115.5	152.9	118.5	r115.9	r120.9	117.8
	ANNUAL	r129.6	149.0	r115.0	150.4	r117.1	r116.1	r119.8	117.4
2004	I	r133.2	154.3	115.9	154.0	118.2	r115.6	r123.1	118.4
	II	r134.3	155.8	r116.0	r156.1	118.5	r116.2	r124.7	119.4
	III	r134.8	157.5	r116.8	r158.3	r119.7	117.4	r123.6	119.7
	IV	r136.1	159.2	117.0	r162.5	r121.8	r119.4	r122.0	120.4
	ANNUAL	r134.7	156.7	r116.3	r157.8	r119.6	r117.2	r123.3	119.5
2005	I	r136.9	r160.7	r117.4	r164.9	r122.9	r120.4	r122.5	r121.2
Percent change from previous quarter at annual rate(5)									
2003	I	r3.3	2.2	r-1.0	r5.6	r1.3	r2.2	r2.1	2.1
	II	r8.4	5.6	r-2.6	r6.5	r6.0	r-1.8	r5.2	0.8
	III	r7.9	9.3	r1.3	r5.1	r2.8	r-2.6	r6.3	0.7
	IV	r1.9	4.2	r2.2	r3.5	r2.6	1.6	r-0.4	0.8
	ANNUAL	r4.4	3.8	r-0.5	r4.0	r1.7	r-0.3	r3.9	1.3
2004	I	r3.9	5.3	r1.3	r2.8	r-1.1	r-1.0	7.3	2.1
	II	r3.4	3.9	r0.5	r5.5	r1.1	r2.1	r5.3	3.3
	III	r1.5	4.5	r2.9	5.8	4.0	r4.2	r-3.6	1.1
	IV	r3.8	4.3	r0.5	r11.1	r7.3	r7.1	r-4.8	2.4
	ANNUAL	r3.9	5.1	r1.2	r4.9	r2.2	r1.0	r3.0	1.7
2005	I	r2.6	r4.0	r1.4	r6.0	r3.5	r3.3	r1.6	r2.6
Percent change from corresponding quarter of previous year									
2003	I	r2.7	2.3	r-0.4	r2.9	r0.0	r0.2	r3.5	1.4
	II	r4.3	3.2	-1.1	3.6	1.4	-0.7	4.7	1.3
	III	r5.1	4.5	r-0.5	4.5	r2.2	r-0.5	r4.3	1.3
	IV	r5.3	5.3	r0.0	r5.1	3.2	r-0.2	r3.2	1.1
	ANNUAL	r4.4	3.8	r-0.5	r4.0	r1.7	r-0.3	r3.9	1.3
2004	I	r5.5	6.1	r0.5	4.5	2.6	r-1.0	r4.6	1.1
	II	r4.2	5.6	1.3	r4.2	1.4	0.0	4.6	1.7
	III	r2.7	4.4	r1.7	4.4	r1.6	r1.7	r2.1	1.8
	IV	r3.1	4.5	1.3	r6.3	r2.8	r3.0	r0.9	2.2
	ANNUAL	r3.9	5.1	r1.2	r4.9	r2.2	r1.0	r3.0	1.7
2005	I	r2.8	r4.2	r1.3	r7.1	r4.0	r4.1	r-0.5	2.4

See footnotes following Table 6.
r=revised

June 2, 2005
Source: Bureau of Labor Statistics

Table 2. Nonfarm business sector: Productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)
Indexes 1992=100								
2003	I	125.8	145.9	116.0	r146.6	114.6	116.6	119.6
	II	r128.0	147.8	r115.4	148.7	116.1	r116.2	r120.7
	III	r130.7	151.1	r115.6	150.8	117.1	r115.4	r122.5
	IV	131.5	152.8	116.2	152.3	118.0	r115.8	r122.1
	ANNUAL	r129.0	149.4	r115.8	149.6	116.4	r116.0	r121.3
2004	I	r132.8	155.0	r116.7	r153.0	r117.4	r115.3	r124.5
	II	r134.1	156.5	r116.7	155.3	117.9	r115.8	r126.0
	III	134.4	158.2	117.7	157.4	119.0	117.1	125.2
	IV	r135.2	159.6	118.1	r161.2	r120.8	r119.3	r123.5
	ANNUAL	r134.2	157.3	r117.2	r156.8	r118.9	r116.9	r124.8
2005	I	r136.1	r161.2	118.4	r163.7	r122.0	r120.3	r124.0
Percent change from previous quarter at annual rate(5)								
2003	I	r3.4	2.4	r-1.0	r5.7	r1.4	r2.2	r1.3
	II	r7.2	5.3	r-1.8	5.7	5.3	r-1.3	r3.6
	III	r8.6	9.3	r0.7	5.7	3.5	r-2.6	r6.2
	IV	r2.7	4.6	r1.9	r4.0	r3.0	r1.3	r-1.3
	ANNUAL	r4.3	3.8	-0.5	4.0	1.7	r-0.3	r3.5
2004	I	3.8	5.7	1.9	2.1	r-1.8	-1.6	r8.1
	II	r4.1	4.2	r0.1	r6.0	1.5	r1.8	r4.8
	III	r0.9	4.2	r3.2	r5.5	3.7	r4.5	r-2.3
	IV	r2.3	3.7	r1.4	r10.2	r6.4	r7.7	r-5.5
	ANNUAL	r4.0	5.3	1.2	r4.8	r2.1	r0.8	r2.9
2005	I	r2.9	r4.0	r1.1	r6.3	r3.9	r3.3	r1.8
Percent change from corresponding quarter of previous year								
2003	I	r2.6	2.3	r-0.3	2.9	0.0	r0.3	r3.6
	II	4.1	3.2	-0.9	3.4	1.2	-0.7	r4.3
	III	r5.1	4.6	r-0.5	r4.6	2.3	r-0.5	r3.8
	IV	r5.4	5.4	-0.1	5.3	3.3	r-0.1	r2.4
	ANNUAL	r4.3	3.8	-0.5	4.0	1.7	r-0.3	r3.5
2004	I	5.5	6.2	0.7	4.4	2.5	r-1.1	r4.1
	II	4.8	6.0	1.1	r4.4	r1.5	-0.3	4.4
	III	r2.9	4.7	r1.8	4.4	1.6	r1.5	r2.2
	IV	2.8	4.5	1.6	r5.9	r2.4	r3.0	r1.1
	ANNUAL	r4.0	5.3	1.2	r4.8	r2.1	r0.8	r2.9
2005	I	r2.6	r4.0	1.4	r7.0	r3.9	r4.3	r-0.4

See footnotes following Table 6.
r=revised

June 2, 2005
Source: Bureau of Labor Statistics

Table 3. Manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
----- Indexes 1992=100 -----							
2003	I	151.6	131.8	86.9	155.5	121.5	102.6
	II	152.9	130.7	85.5	158.4	123.6	103.6
	III	156.9	132.1	84.2	161.6	125.5	103.0
	IV	158.1	134.2	84.9	163.6	126.8	103.5
	ANNUAL	154.8	132.2	85.4	159.7	124.3	103.2
2004	I	159.3	136.0	85.4	162.4	124.6	101.9
	II	162.2	138.0	85.1	165.1	125.3	101.8
	III	164.0	139.4	85.0	168.7	127.6	102.9
	IV	166.5	141.0	84.7	r173.0	r129.6	r103.9
	ANNUAL	163.0	138.6	85.0	r167.3	r126.8	r102.6
2005	I	r168.3	r142.3	r84.5	r175.6	r130.8	r104.3
----- Percent change from previous quarter at annual rate(5) -----							
2003	I	5.7	-0.9	-6.3	17.4	12.7	11.0
	II	3.3	-3.4	-6.5	7.6	7.2	4.2
	III	11.0	4.5	-5.9	8.3	6.0	-2.4
	IV	3.2	6.6	3.3	5.2	4.3	1.9
	ANNUAL	5.2	0.0	-4.9	8.7	6.2	3.3
2004	I	3.0	5.4	2.4	-3.1	-6.7	-5.9
	II	7.6	5.9	-1.6	6.9	2.4	-0.6
	III	4.4	4.0	-0.3	9.1	7.3	4.6
	IV	6.3	4.9	-1.3	r10.4	r6.6	r3.9
	ANNUAL	5.3	4.8	-0.4	r4.7	r2.0	r-0.5
2005	I	r4.4	r3.5	r-0.9	r6.2	r3.8	r1.7
----- Percent change from corresponding quarter of previous year -----							
2003	I	5.0	0.6	-4.2	8.1	5.1	3.0
	II	4.4	-1.3	-5.4	7.9	5.6	3.4
	III	5.5	-0.8	-6.0	9.0	6.6	3.3
	IV	5.8	1.6	-3.9	9.5	7.5	3.6
	ANNUAL	5.2	0.0	-4.9	8.7	6.2	3.3
2004	I	5.1	3.2	-1.8	4.4	2.5	-0.6
	II	6.1	5.6	-0.5	4.3	1.4	-1.8
	III	4.5	5.5	0.9	4.4	1.7	-0.1
	IV	5.3	5.1	-0.2	r5.7	r2.2	r0.4
	ANNUAL	5.3	4.8	-0.4	r4.7	r2.0	r-0.5
2005	I	r5.7	r4.6	-1.0	r8.1	r5.0	r2.4

See footnotes following Table 6.
r=revised

June 2, 2005
Source: Bureau of Labor Statistics

Table 4. Durable manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
----- Indexes 1992=100							
2003	I	172.7	155.7	90.1	153.5	120.0	88.9
	II	174.3	154.3	88.6	156.5	122.2	89.8
	III	180.9	157.6	87.1	159.8	124.1	88.3
	IV	182.8	161.5	88.3	161.7	125.3	88.5
	ANNUAL	177.6	157.3	88.5	157.9	122.9	88.9
2004	I	184.4	164.6	89.3	159.1	122.1	86.3
	II	187.8	167.1	88.9	162.1	123.1	86.3
	III	190.0	169.5	89.2	166.0	125.5	87.4
	IV	193.4	172.1	89.0	r169.7	r127.2	r87.7
	ANNUAL	188.9	168.3	89.1	r164.2	r124.5	r86.9
2005	I	r196.4	r174.5	r88.8	r172.4	r128.4	r87.8
----- Percent change from previous quarter at annual rate(5)							
2003	I	5.1	-1.6	-6.4	21.8	16.9	15.9
	II	3.7	-3.4	-6.9	8.1	7.7	4.2
	III	16.0	8.7	-6.3	8.6	6.3	-6.4
	IV	4.2	10.1	5.7	4.9	4.0	0.6
	ANNUAL	6.9	1.3	-5.3	9.7	7.2	2.6
2004	I	3.6	8.1	4.3	-6.2	-9.7	-9.5
	II	7.7	6.0	-1.5	7.7	3.2	0.0
	III	4.6	6.0	1.3	9.9	8.1	5.1
	IV	7.4	6.3	-1.0	r9.2	r5.4	r1.7
	ANNUAL	6.4	7.0	0.6	r4.0	r1.3	r-2.2
2005	I	6.3	r5.5	r-0.8	r6.5	r4.1	r0.2
----- Percent change from corresponding quarter of previous year							
2003	I	6.7	1.7	-4.7	9.0	5.9	2.2
	II	5.9	-0.6	-6.1	8.8	6.5	2.8
	III	7.9	0.7	-6.7	10.2	7.8	2.2
	IV	7.2	3.3	-3.6	10.7	8.6	3.3
	ANNUAL	6.9	1.3	-5.3	9.7	7.2	2.6
2004	I	6.8	5.8	-1.0	3.7	1.8	-2.9
	II	7.8	8.3	0.4	3.6	0.7	-3.9
	III	5.0	7.6	2.4	3.9	1.1	-1.1
	IV	5.8	6.6	0.8	r4.9	r1.5	r-0.8
	ANNUAL	6.4	7.0	0.6	r4.0	r1.3	r-2.2
2005	I	6.5	6.0	r-0.5	r8.3	r5.2	r1.7

See footnotes following Table 6.
r=revised

June 2, 2005
Source: Bureau of Labor Statistics

Table 5. Nondurable manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs
----- Indexes 1992=100 -----						
2003	I	130.2	106.9	82.1	157.7	123.2
	II	131.1	106.0	80.9	160.3	125.2
	III	132.6	105.9	79.8	163.4	126.9
	IV	133.6	106.5	79.7	165.5	128.2
	ANNUAL	131.8	106.3	80.6	161.7	125.8
2004	I	134.5	107.1	79.6	166.6	127.8
	II	137.0	108.6	79.3	168.8	128.2
	III	138.6	109.0	78.7	171.8	129.9
	IV	140.3	109.8	78.3	r176.9	r132.6
	ANNUAL	137.6	108.6	78.9	r171.0	r129.6
2005	I	r141.1	r110.2	78.1	r179.4	r133.7
----- Percent change from previous quarter at annual rate(5) -----						
2003	I	6.5	0.1	-6.0	9.7	5.2
	II	2.6	-3.5	-5.9	6.9	6.5
	III	4.9	-0.6	-5.2	8.0	5.7
	IV	2.8	2.4	-0.4	5.2	4.3
	ANNUAL	2.8	-1.5	-4.2	6.8	4.5
2004	I	2.9	2.1	-0.8	2.6	-1.3
	II	7.5	5.7	-1.7	5.5	1.1
	III	4.8	1.7	-3.0	7.2	5.5
	IV	4.9	2.9	-1.9	r12.6	r8.7
	ANNUAL	4.4	2.2	-2.1	r5.8	r3.0
2005	I	r2.4	r1.3	r-1.1	r5.7	r3.3
----- Percent change from corresponding quarter of previous year -----						
2003	I	2.6	-0.9	-3.4	6.6	3.6
	II	2.2	-2.2	-4.3	6.5	4.2
	III	2.3	-2.6	-4.8	6.9	4.6
	IV	4.2	-0.4	-4.4	7.4	5.4
	ANNUAL	2.8	-1.5	-4.2	6.8	4.5
2004	I	3.3	0.1	-3.1	5.7	3.7
	II	4.5	2.4	-2.0	5.3	2.4
	III	4.5	3.0	-1.5	5.1	2.3
	IV	5.0	3.1	-1.8	r6.9	r3.4
	ANNUAL	4.4	2.2	-2.1	r5.8	r3.0
2005	I	r4.9	r2.9	-1.9	r7.7	r4.6

See footnotes following Table 6.
r=revised

June 2, 2005
Source: Bureau of Labor Statistics

Table 6. Nonfinancial corporations: Productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted

Year and quarter	Output per all-employee hour	Output	Employee hours	Hourly compensation (1)	Real hourly compensation(2)	Unit labor costs	Unit non-labor costs(6)	Total unit costs (7)	Unit profits (8)	Implicit price deflator (4)	
Indexes 1992=100											
2003	I	130.3	152.2	116.8	144.2	112.7	110.7	114.0	111.6	100.0	110.5
	II	132.7	154.4	r116.3	146.4	114.3	110.3	112.6	110.9	112.2	111.0
	III	r135.3	157.3	116.3	r148.5	115.3	109.8	112.6	110.5	120.3	111.4
	IV	136.6	159.6	r116.9	149.8	116.1	109.7	112.2	110.4	125.1	111.7
	ANNUAL	133.7	155.9	116.6	147.2	114.6	110.1	112.9	110.8	114.6	111.2
2004	I	r136.8	160.9	117.6	r150.7	115.7	110.2	111.1	110.4	129.9	112.2
	II	138.0	162.6	117.9	152.8	116.0	110.7	111.4	110.9	136.3	113.2
	III	139.6	165.3	118.4	154.9	117.1	110.9	111.3	111.0	136.0	113.2
	IV	r142.7	r169.5	118.8	r158.7	r118.9	r111.2	r109.3	r110.7	r146.2	113.9
	ANNUAL	r139.3	r164.6	118.2	r154.3	r116.9	r110.8	r110.8	r110.8	r137.2	113.1
2005	I	143.6	170.8	118.9	161.3	120.2	112.3	109.8	111.6	144.0	114.5
Percent change from previous quarter at annual rate(5)											
2003	I	r2.1	-0.7	r-2.7	3.8	r-0.4	1.6	4.4	2.4	-8.8	1.4
	II	r7.8	6.0	r-1.6	r6.3	r5.9	-1.4	-4.9	-2.4	58.5	1.8
	III	7.9	7.6	-0.3	5.8	3.6	-1.9	0.1	-1.4	32.3	1.4
	IV	3.9	6.0	2.0	r3.7	r2.8	-0.1	-1.5	-0.5	16.8	1.1
	ANNUAL	r4.1	2.8	-1.3	4.0	1.7	-0.1	-0.1	-0.1	20.1	1.4
2004	I	0.9	3.4	2.5	2.5	-1.4	1.6	-4.0	0.1	16.3	1.6
	II	3.3	4.3	r0.9	5.5	r1.1	2.1	1.3	1.9	21.0	3.8
	III	4.9	6.9	1.9	r5.5	3.8	0.6	-0.5	0.3	-0.8	0.2
	IV	r9.0	r10.5	1.3	r10.2	r6.4	r1.1	r-7.0	r-1.2	r33.8	2.2
	ANNUAL	r4.2	r5.6	1.4	r4.8	r2.1	r0.6	r-1.9	-0.1	r19.8	1.8
2005	I	2.7	3.2	0.5	6.8	4.4	4.1	1.9	3.5	-6.1	2.4
Percent change from corresponding quarter of previous year											
2003	I	2.8	1.3	-1.4	r3.0	0.1	0.3	0.4	0.3	12.6	1.2
	II	r3.5	1.8	-1.7	3.5	1.3	0.0	-0.1	0.0	18.7	1.4
	III	r4.8	3.3	-1.4	4.5	2.2	-0.4	-0.2	-0.3	25.5	1.7
	IV	5.4	4.7	-0.7	4.9	2.9	-0.5	-0.5	-0.5	22.3	1.4
	ANNUAL	r4.1	2.8	-1.3	4.0	1.7	-0.1	-0.1	-0.1	20.1	1.4
2004	I	r5.1	5.7	r0.6	4.6	2.7	-0.5	-2.6	-1.0	29.9	1.5
	II	r3.9	5.3	1.3	4.4	1.5	0.4	-1.0	0.0	21.5	2.0
	III	3.2	5.1	1.8	4.3	1.6	1.1	-1.2	0.4	13.0	1.7
	IV	r4.5	r6.2	1.7	r5.9	r2.4	r1.4	r-2.6	r0.3	r16.9	1.9
	ANNUAL	r4.2	r5.6	1.4	r4.8	r2.1	r0.6	r-1.9	-0.1	r19.8	1.8
2005	I	4.9	6.2	1.2	7.0	3.9	2.0	-1.2	1.1	10.8	2.1

See footnotes following Table 6.
r=revised

June 2, 2005
Source: Bureau of Labor Statistics

SOURCES: Output data are from the Bureau of Economic Analysis and the Census Bureau of the U.S. Department of Commerce; the Bureau of Labor Statistics, U.S. Department of Labor; and the Federal Reserve Board. Compensation and hours data are from the Bureau of Labor Statistics and the Bureau of Economic Analysis.

RELIABILITY: Productivity and cost measures are regularly revised as more complete information becomes available. The measures are first published within 40 days of the close of the reference period; revisions appear 30 days later, and second revisions after an additional 60 days. In the business sector, the third publication (second revision) of a quarterly index of output per hour of all persons has differed from the initial value by between -1.3 and $+1.4$ index points approximately 95 percent of the time. This interval is based on the performance of this measure between the fourth quarter of 1995 and the fourth quarter of 2004.

Footnotes, Tables 1-6

- (1) Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Except for nonfinancial corporations, where there are no self-employed, data also include an estimate of wages, salaries, and supplemental payments for the self-employed.
- (2) The change for recent quarters is based on the Consumer Price Index for all urban consumers (CPI-U). The trend from 1978-2004 is based on the Consumer Price Index research series (CPI-U-RS).
- (3) Unit nonlabor payments include profits, consumption of fixed capital, taxes on production and imports less subsidies, net interest and miscellaneous payments, business current transfer payments, rental income of persons, and the current surplus of government enterprises.
- (4) Current dollar output divided by the output index.
- (5) Quarterly changes: Percent change compounded at annual rate from the original data rather than index numbers. Annual changes: Percent change between annual average levels.
- (6) Unit nonlabor costs include consumption of fixed capital, taxes on production and imports less subsidies, net interest and miscellaneous payments, and business current transfer payments.
- (7) Total unit costs are the sum of unit labor and nonlabor costs.
- (8) Unit profits include corporate profits before tax with inventory valuation and capital consumption adjustments.

Appendix table 1.

Business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Indexes 1992=100									
1994	I	r101.7	106.3	r104.5	r103.9	r100.2	r102.2	r105.0	103.2
	II	r101.5	107.9	r106.4	r103.5	r99.3	r102.0	r106.2	103.6
	III	r100.9	108.5	r107.5	r103.5	r98.5	r102.6	r107.1	104.2
	IV	101.7	110.1	r108.3	r104.0	r98.5	r102.2	r108.7	104.6
	ANNUAL	101.5	108.2	106.7	r103.7	r99.1	r102.2	r106.8	103.9
1995	I	101.3	110.4	109.0	r104.9	98.8	103.6	r107.8	105.2
	II	101.3	110.5	109.1	r105.4	r98.5	r104.1	r108.0	105.5
	III	101.5	111.7	110.1	106.1	98.7	r104.5	108.4	106.0
	IV	r102.5	112.8	r110.1	r107.1	99.2	104.6	r109.3	106.3
	ANNUAL	101.6	111.4	109.6	r105.9	r98.8	r104.2	r108.4	105.7
1996	I	r103.6	113.9	110.0	108.2	99.4	104.5	r110.7	106.8
	II	r104.8	116.0	r110.8	109.3	r99.5	r104.3	r112.3	107.3
	III	105.0	117.2	111.6	110.2	r99.9	r104.9	r111.9	107.5
	IV	r105.3	118.8	112.9	r110.6	99.5	r105.1	r112.9	108.0
	ANNUAL	r104.7	116.5	r111.3	109.6	99.6	r104.7	r112.0	107.4
1997	I	r105.0	119.9	114.2	111.3	99.5	r106.0	r113.2	108.7
	II	r106.4	122.1	r114.7	r112.2	r100.1	105.5	r114.4	108.8
	III	r107.4	123.9	r115.3	113.4	100.7	105.6	114.9	109.1
	IV	r107.9	124.9	r115.8	r115.6	r102.1	r107.1	r113.2	109.4
	ANNUAL	r106.7	122.7	r115.0	113.1	100.6	106.1	r113.9	109.0
1998	I	r108.7	126.5	r116.4	r117.7	r103.8	r108.3	r111.6	109.5
	II	r108.9	127.4	r117.0	r119.3	r104.9	r109.5	r109.5	109.5
	III	r110.2	129.0	r117.1	r121.2	r106.1	r110.0	r109.4	109.7
	IV	r110.8	131.5	r118.6	r121.9	r106.3	r110.0	r109.9	109.9
	ANNUAL	r109.7	128.6	r117.3	r120.0	r105.3	r109.4	r110.1	109.7
1999	I	r112.0	132.7	r118.5	r124.4	r108.1	r111.1	r108.9	110.3
	II	r112.1	133.9	r119.4	r124.7	r107.6	r111.3	r109.2	110.5
	III	r112.9	135.7	r120.2	r125.8	r107.7	r111.5	r109.8	110.8
	IV	r114.7	138.5	r120.7	r128.2	r108.9	r111.7	r110.1	111.1
	ANNUAL	r112.9	135.2	r119.7	r125.8	r108.1	r111.4	r109.5	110.7
2000	I	r114.2	138.6	r121.4	r132.5	111.5	r116.0	r105.4	112.1
	II	r116.4	141.1	r121.2	r133.1	111.1	r114.4	r109.6	112.6
	III	r116.1	140.8	r121.3	135.6	112.2	r116.8	r106.4	112.9
	IV	r117.3	141.5	r120.6	136.5	r112.2	r116.4	r108.2	113.3
	ANNUAL	r116.1	140.5	r121.0	134.5	r111.9	r115.9	r107.4	112.7
2001	I	r117.2	141.1	r120.4	138.8	r113.0	r118.5	r106.7	114.1
	II	r118.8	141.4	r119.1	r139.9	r113.0	r117.8	r110.1	114.9
	III	r119.2	140.3	r117.7	r140.5	r113.3	r117.9	r110.6	115.2
	IV	r121.1	141.0	r116.4	141.5	114.2	r116.9	r113.4	115.6
	ANNUAL	r119.0	141.0	r118.4	r140.2	r113.4	r117.8	r110.2	114.9
2002	I	r122.9	142.2	r115.7	143.2	r115.2	r116.5	r113.7	115.5
	II	r123.5	142.9	r115.7	r144.6	r115.3	r117.1	r113.9	115.9
	III	r125.0	144.3	r115.4	r145.1	r115.2	r116.1	r116.0	116.1
	IV	r125.3	144.7	r115.5	145.4	114.8	r116.1	r117.1	116.5
	ANNUAL	r124.2	143.5	r115.6	r144.6	r115.1	r116.4	r115.2	116.0

See footnotes following Table 6.

June 2, 2005

Source: Bureau of Labor Statistics

r=revised
Appendix table 1. -Continued

Business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	

Percent change from previous quarter at annual rate(5)									
1994	I	r2.4	5.2	r2.7	r4.3	r3.2	1.8	r1.4	1.6
	II	r-0.7	6.3	r7.1	r-1.4	r-3.5	r-0.7	r4.7	1.3
	III	r-2.3	2.2	r4.6	0.0	-3.1	r2.3	r3.3	2.7
	IV	r3.3	6.0	r2.7	r1.8	r0.0	r-1.4	r6.4	1.5
	ANNUAL	r1.0	5.0	r3.9	r1.5	r-0.6	0.4	4.0	1.8
1995	I	-1.9	0.8	2.8	r3.5	r1.1	r5.5	r-3.5	1.9
	II	r0.3	0.6	r0.3	r2.1	r-1.0	r1.8	r0.8	1.4
	III	0.7	4.4	3.7	r2.6	r0.6	r1.9	r1.7	1.8
	IV	r3.9	4.1	r0.2	3.9	r2.2	r0.0	r3.1	1.2
	ANNUAL	0.2	2.9	2.7	r2.1	r-0.3	1.9	1.5	1.8
1996	I	4.3	3.7	-0.5	r3.9	r0.7	r-0.3	r5.5	1.9
	II	r4.7	7.8	r2.9	r4.1	r0.6	r-0.6	r5.8	1.8
	III	r1.1	4.0	r2.9	r3.5	r1.3	r2.3	r-1.5	0.8
	IV	r0.8	5.8	r4.9	r1.6	r-1.5	r0.7	3.8	1.9
	ANNUAL	r3.0	4.6	1.6	r3.5	r0.8	0.5	3.3	1.6
1997	I	r-1.0	3.5	r4.6	r2.4	r0.2	3.4	0.9	2.4
	II	r5.4	7.5	r2.0	r3.2	r2.2	r-2.1	r4.3	0.4
	III	r3.8	6.0	r2.1	4.6	2.7	r0.7	r2.0	1.2
	IV	r2.0	3.5	r1.5	r7.7	r5.5	r5.6	r-5.9	1.0
	ANNUAL	1.9	5.3	r3.3	3.2	r1.1	1.3	r1.7	1.5
1998	I	r3.0	5.2	r2.1	r7.6	r6.9	4.5	-5.7	0.5
	II	r0.7	2.8	r2.0	r5.4	4.2	r4.7	r-7.2	0.0
	III	r4.8	5.3	r0.5	r6.5	r4.6	r1.7	r-0.4	0.9
	IV	r2.3	7.8	r5.3	r2.3	r0.7	0.0	r1.8	0.7
	ANNUAL	r2.8	4.8	r2.0	r6.1	4.6	r3.2	r-3.4	0.6
1999	I	r4.3	3.7	r-0.6	r8.6	r6.9	r4.1	r-3.5	1.2
	II	r0.5	3.8	r3.4	r1.1	r-1.8	r0.6	r1.0	0.8
	III	r2.7	5.4	r2.6	r3.5	r0.4	r0.8	r2.2	1.3
	IV	r6.7	8.4	r1.6	7.7	4.6	r1.0	r1.3	1.1
	ANNUAL	r3.0	5.1	r2.1	4.8	r2.7	1.8	r-0.5	0.9
2000	I	r-1.8	0.3	r2.2	r14.1	r9.9	r16.2	r-16.0	3.4
	II	r7.9	7.5	r-0.4	r1.8	r-1.3	r-5.6	r16.6	1.8
	III	r-1.0	-0.8	r0.2	r7.8	4.0	r8.9	r-11.0	1.3
	IV	r4.4	2.0	r-2.3	2.8	-0.1	r-1.5	r6.8	1.4
	ANNUAL	r2.8	3.9	r1.1	r7.0	r3.5	4.0	r-1.9	1.8
2001	I	-0.5	-1.1	-0.6	r6.9	r3.0	7.4	r-5.6	2.7
	II	5.5	0.8	-4.4	r3.0	r-0.2	r-2.4	r13.5	3.0
	III	r1.4	-3.1	r-4.4	2.0	1.1	r0.6	r1.8	1.0
	IV	r6.6	1.8	r-4.5	r2.8	r3.4	r-3.6	r10.4	1.3
	ANNUAL	2.5	0.3	r-2.2	4.2	r1.4	1.6	r2.6	2.0
2002	I	r6.2	3.5	r-2.5	4.9	3.4	r-1.2	r1.3	-0.3
	II	r1.8	2.1	r0.3	r3.8	r0.5	r1.9	r0.6	1.4
	III	r5.0	3.8	r-1.1	r1.5	r-0.6	r-3.3	r7.8	0.7
	IV	r0.8	1.2	r0.4	r0.9	r-1.1	r0.1	3.8	1.4
	ANNUAL	4.3	1.8	-2.4	3.1	1.5	-1.1	r4.6	0.9

June 2, 2005

Source: Bureau of Labor Statistics

See footnotes following Table 6.

r=revised

Appendix table 1. -Continued

Business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	

Percent change from corresponding quarter of previous year									
1994	I	r1.2	4.4	3.1	r2.3	r0.2	r1.0	r3.1	1.8
	II	1.5	5.3	r3.7	r1.4	r-0.5	r-0.1	r4.4	1.6
	III	r0.8	5.2	r4.4	r1.0	r-1.2	r0.3	r4.7	1.9
	IV	r0.6	4.9	r4.3	r1.1	r-0.9	0.5	3.9	1.8
	ANNUAL	r1.0	5.0	r3.9	r1.5	r-0.6	0.4	4.0	1.8
1995	I	-0.4	3.8	r4.3	r1.0	-1.4	r1.4	r2.6	1.9
	II	r-0.2	2.4	r2.6	1.9	-0.7	r2.0	r1.7	1.9
	III	r0.6	3.0	r2.3	r2.5	r0.2	r1.9	r1.3	1.7
	IV	0.7	2.5	r1.7	r3.0	r0.7	r2.3	r0.5	1.6
	ANNUAL	0.2	2.9	2.7	r2.1	r-0.3	1.9	1.5	1.8
1996	I	r2.3	3.2	r0.9	3.1	r0.6	r0.8	r2.8	1.6
	II	r3.4	5.0	r1.6	r3.6	r1.0	r0.3	4.0	1.7
	III	r3.5	4.9	r1.3	r3.9	r1.2	0.4	r3.2	1.4
	IV	r2.7	5.3	2.5	3.3	0.3	0.5	3.4	1.6
	ANNUAL	r3.0	4.6	1.6	r3.5	r0.8	0.5	3.3	1.6
1997	I	1.4	5.3	3.8	2.9	r0.1	1.5	2.2	1.8
	II	r1.6	5.2	3.6	r2.7	0.5	r1.1	1.9	1.4
	III	r2.2	5.7	3.4	2.9	0.9	r0.7	r2.7	1.5
	IV	r2.5	5.1	r2.5	r4.4	r2.6	1.9	0.2	1.2
	ANNUAL	1.9	5.3	r3.3	3.2	r1.1	1.3	r1.7	1.5
1998	I	r3.5	5.5	r1.9	r5.8	r4.3	r2.1	r-1.4	0.8
	II	r2.4	4.4	r1.9	6.3	4.8	3.9	-4.3	0.7
	III	r2.6	4.2	r1.5	r6.8	r5.3	r4.1	r-4.8	0.6
	IV	2.7	5.2	2.5	5.5	4.1	2.7	r-2.9	0.5
	ANNUAL	r2.8	4.8	r2.0	r6.1	4.6	r3.2	r-3.4	0.6
1999	I	r3.0	4.9	r1.8	r5.7	r4.1	r2.6	r-2.4	0.7
	II	r3.0	5.1	r2.1	4.6	2.5	1.6	r-0.3	0.9
	III	r2.4	5.2	r2.7	r3.8	1.5	1.4	0.4	1.0
	IV	3.5	5.3	r1.7	5.2	2.5	r1.6	0.2	1.1
	ANNUAL	r3.0	5.1	r2.1	4.8	r2.7	1.8	r-0.5	0.9
2000	I	r2.0	4.5	r2.4	r6.5	r3.2	4.4	r-3.2	1.6
	II	r3.8	5.4	r1.5	r6.7	r3.3	r2.8	r0.3	1.9
	III	r2.9	3.8	r0.9	r7.8	r4.2	4.8	r-3.1	1.9
	IV	r2.3	2.2	r-0.1	r6.5	r3.0	4.1	-1.7	2.0
	ANNUAL	r2.8	3.9	r1.1	r7.0	r3.5	4.0	r-1.9	1.8
2001	I	2.6	1.8	r-0.8	4.8	1.3	2.1	r1.2	1.8
	II	r2.1	0.2	r-1.8	5.1	1.6	3.0	r0.5	2.1
	III	r2.7	-0.4	r-2.9	3.6	0.9	r0.9	r3.9	2.0
	IV	r3.2	-0.4	r-3.5	r3.6	1.8	0.4	4.8	2.0
	ANNUAL	2.5	0.3	r-2.2	4.2	r1.4	1.6	r2.6	2.0
2002	I	4.9	0.8	-4.0	3.2	1.9	r-1.7	6.6	1.2
	II	4.0	1.1	-2.8	3.4	2.1	-0.6	r3.4	0.9
	III	4.9	2.8	-2.0	r3.3	r1.7	-1.6	r4.9	0.8
	IV	3.4	2.7	r-0.8	2.8	0.5	-0.6	3.3	0.8
	ANNUAL	4.3	1.8	-2.4	3.1	1.5	-1.1	r4.6	0.9

See footnotes following Table 6.

r=revised

June 2, 2005

Source: Bureau of Labor Statistics

Appendix table 2.

Nonfarm business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Indexes 1992=100									
1994	I	r101.8	106.3	r104.5	103.8	100.1	r102.0	r105.2	103.2
	II	r101.7	108.0	r106.2	103.6	r99.3	r101.9	r106.6	103.6
	III	r101.0	108.5	107.4	103.5	98.5	r102.5	r107.8	104.4
	IV	r102.0	110.3	r108.1	104.1	98.6	r102.0	r109.6	104.8
	ANNUAL	r101.6	108.3	r106.5	r103.7	99.1	r102.1	r107.3	104.0
1995	I	101.7	110.7	r108.8	104.9	98.8	103.2	r109.0	105.3
	II	r101.9	110.9	r108.8	r105.6	r98.7	r103.6	r109.3	105.7
	III	102.0	112.2	110.0	r106.2	r98.8	104.1	r109.4	106.0
	IV	r102.9	113.3	r110.1	107.1	99.2	104.2	r109.8	106.2
	ANNUAL	r102.1	111.8	r109.4	r106.0	r98.9	r103.7	r109.4	105.8
1996	I	r103.9	114.2	r109.9	r108.3	99.4	r104.2	r110.9	106.7
	II	r104.9	116.3	r110.8	r109.3	99.5	r104.1	r112.0	107.0
	III	r105.2	117.5	r111.7	r110.1	99.7	104.6	r112.4	107.5
	IV	105.4	119.2	113.1	110.5	r99.3	104.9	r113.3	108.0
	ANNUAL	r104.9	116.8	r111.4	109.5	99.5	104.5	r112.2	107.3
1997	I	r105.1	120.1	r114.3	111.2	r99.5	105.9	r113.4	108.6
	II	r106.3	122.2	r114.9	r112.1	r100.0	105.4	r115.2	109.0
	III	107.2	124.0	115.6	r113.2	100.5	r105.6	r115.8	109.3
	IV	r107.7	125.1	r116.2	115.1	101.7	r106.9	r114.2	109.6
	ANNUAL	r106.6	122.8	r115.3	112.9	100.4	r105.9	r114.6	109.1
1998	I	r108.5	126.8	r116.8	r117.3	r103.5	r108.1	r112.5	109.7
	II	r108.8	127.7	r117.3	118.9	104.6	r109.3	r110.6	109.8
	III	r110.1	129.4	r117.5	r120.9	r105.8	r109.8	r110.5	110.1
	IV	r110.6	131.8	r119.2	121.4	105.9	r109.8	r110.8	110.2
	ANNUAL	r109.5	128.9	r117.7	119.6	r105.0	r109.3	r111.1	109.9
1999	I	r111.6	133.0	r119.2	r123.7	r107.5	r110.9	r110.0	110.5
	II	r111.7	134.3	r120.2	r124.1	107.0	r111.0	r110.8	111.0
	III	r112.5	136.1	r121.0	125.1	107.1	r111.2	r111.5	111.3
	IV	r114.5	138.9	r121.3	127.7	108.5	r111.6	r112.0	111.7
	ANNUAL	r112.6	135.6	r120.4	r125.2	107.5	r111.2	r111.1	111.1
2000	I	r113.9	138.8	r121.9	132.1	111.2	r116.0	r106.8	112.6
	II	r115.9	141.4	r122.0	132.5	r110.6	r114.3	r111.1	113.1
	III	r115.6	141.1	r122.0	r135.0	r111.7	r116.8	r108.0	113.5
	IV	r116.8	141.8	r121.5	135.8	111.6	r116.3	r109.8	113.9
	ANNUAL	r115.6	140.8	r121.8	134.0	111.4	r115.9	r108.9	113.3
2001	I	r116.6	141.4	r121.3	r138.0	r112.3	r118.4	r108.2	114.6
	II	r118.2	141.9	r120.0	r138.9	112.2	r117.5	r111.9	115.4
	III	r118.7	140.8	r118.7	r139.5	112.5	r117.6	r112.2	115.6
	IV	r120.5	141.2	r117.2	r140.6	113.5	r116.7	r115.0	116.0
	ANNUAL	r118.5	141.3	r119.3	139.3	r112.6	r117.5	r111.8	115.4
2002	I	r122.6	142.6	r116.3	142.5	114.6	r116.2	r115.5	116.0
	II	r122.9	143.2	r116.5	143.8	114.7	r116.9	r115.7	116.5
	III	r124.3	144.5	r116.3	r144.2	r114.4	r116.0	r118.0	116.8
	IV	r124.7	145.0	r116.3	r144.6	114.2	r115.9	r119.2	117.2
	ANNUAL	r123.6	143.9	r116.3	143.8	114.5	r116.3	r117.1	116.6

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 2. -Continued

Nonfarm business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Percent change from previous quarter at annual rate(5)									
1994	I	r3.0	4.4	r1.4	r5.0	r3.9	2.0	r1.2	1.7
	II	r-0.4	6.4	r6.8	r-0.9	r-3.0	r-0.5	r5.6	1.8
	III	r-2.5	2.2	r4.8	r-0.1	r-3.2	r2.4	r4.5	3.2
	IV	r3.9	6.6	r2.6	r2.2	r0.3	r-1.7	r6.8	1.5
	ANNUAL	1.2	4.8	r3.5	1.7	-0.4	0.5	4.1	1.9
1995	I	r-1.1	1.5	2.6	r3.3	r0.9	r4.4	r-2.0	1.9
	II	r0.8	0.7	r0.0	r2.5	-0.7	r1.7	r1.1	1.5
	III	r0.5	4.8	r4.3	r2.4	r0.4	r1.9	r0.1	1.2
	IV	r3.3	3.8	r0.4	r3.6	r1.8	r0.3	r1.8	0.8
	ANNUAL	0.5	3.2	2.7	2.1	-0.3	1.6	r1.9	1.7
1996	I	3.9	3.2	r-0.7	r4.2	r0.9	r0.3	r3.8	1.6
	II	r4.2	7.6	r3.3	r3.8	r0.4	r-0.3	r4.2	1.4
	III	r1.1	4.3	r3.2	2.9	0.7	r1.8	r1.2	1.6
	IV	r0.6	5.7	r5.1	r1.5	r-1.5	1.0	3.5	1.9
	ANNUAL	2.7	4.5	1.8	3.4	0.7	0.7	r2.5	1.4
1997	I	r-1.2	3.2	r4.4	r2.7	r0.5	r3.9	r0.1	2.4
	II	r5.0	7.3	r2.2	3.1	r2.1	-1.8	r6.8	1.5
	III	r3.4	5.8	r2.4	r4.0	r2.1	r0.6	r1.9	1.1
	IV	r1.6	3.7	r2.0	r7.1	4.9	r5.3	r-5.5	1.0
	ANNUAL	1.6	5.2	3.5	3.1	0.9	1.4	2.2	1.7
1998	I	r3.2	5.6	r2.3	r7.8	r7.1	r4.5	r-5.8	0.4
	II	1.2	2.9	1.7	5.7	r4.5	r4.4	r-6.6	0.1
	III	r4.5	5.3	r0.7	r6.7	r4.7	2.1	r-0.4	1.2
	IV	r2.1	7.9	r5.7	r1.9	r0.3	r-0.2	r1.3	0.4
	ANNUAL	r2.8	5.0	r2.1	r6.0	4.5	r3.1	r-3.1	0.7
1999	I	r3.6	3.7	r0.1	r7.7	r6.0	r3.9	r-3.1	1.3
	II	r0.5	3.7	r3.2	r1.2	r-1.7	r0.7	r3.1	1.6
	III	r2.8	5.6	r2.7	3.5	0.4	r0.7	r2.7	1.4
	IV	r7.1	8.4	r1.2	8.4	5.3	r1.3	r1.5	1.4
	ANNUAL	2.8	5.2	2.3	4.6	2.5	1.8	r0.0	1.1
2000	I	r-2.0	-0.1	r1.9	r14.5	r10.3	r16.9	r-17.2	3.3
	II	r7.3	7.5	r0.2	1.1	-2.0	r-5.8	r17.0	1.8
	III	r-0.9	-0.8	r0.0	8.0	4.1	r8.9	r-10.9	1.4
	IV	r4.0	2.2	r-1.7	2.3	-0.6	r-1.6	r6.9	1.3
	ANNUAL	r2.7	3.8	r1.1	r7.0	3.6	4.2	r-2.0	1.9
2001	I	-0.4	-1.1	-0.7	6.7	2.8	7.2	r-5.5	2.6
	II	r5.7	1.2	r-4.2	r2.5	r-0.6	r-3.0	r14.1	2.7
	III	r1.4	-2.9	r-4.3	1.8	1.0	r0.4	r1.3	0.7
	IV	r6.5	1.2	r-5.0	r3.2	r3.8	r-3.1	r10.2	1.5
	ANNUAL	2.5	0.4	-2.0	4.0	1.1	r1.4	r2.7	1.9
2002	I	r7.0	4.0	r-2.8	r5.5	r4.0	r-1.5	r1.8	-0.3
	II	r1.1	1.7	r0.6	r3.6	r0.3	r2.5	r0.6	1.8
	III	r4.5	3.6	r-0.9	1.2	r-0.8	r-3.1	r8.4	1.0
	IV	r1.4	1.4	r0.0	r1.1	r-0.9	-0.3	r4.1	1.3

ANNUAL 4.3 1.8 -2.5 3.2 1.6 -1.1 4.7 1.0

See footnotes following Table 6.
r=revised

June 2, 2005

Source: Bureau of Labor Statistics

Appendix table 2. -Continued

Nonfarm business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	Unit non-labor payments (3)	Implicit price deflator (4)	
Percent change from corresponding quarter of previous year									
1994	I	r1.3	4.2	r2.9	r2.4	r0.3	r1.1	r2.7	1.7
	II	r1.8	5.2	r3.3	1.8	-0.1	r0.0	r4.5	1.7
	III	r0.8	4.8	r4.1	1.3	r-0.9	r0.6	r4.6	2.1
	IV	1.0	4.9	r3.9	1.5	-0.5	0.5	4.5	2.0
	ANNUAL	1.2	4.8	r3.5	1.7	-0.4	0.5	4.1	1.9
1995	I	r0.0	4.1	r4.2	1.1	-1.3	r1.1	r3.7	2.1
	II	r0.2	2.7	2.5	1.9	-0.7	r1.7	r2.5	2.0
	III	r1.0	3.4	r2.4	r2.6	0.2	1.6	r1.4	1.5
	IV	r0.9	2.7	r1.8	2.9	0.6	2.1	r0.2	1.4
	ANNUAL	0.5	3.2	2.7	2.1	-0.3	1.6	r1.9	1.7
1996	I	r2.1	3.1	r1.0	r3.2	0.6	1.0	1.7	1.3
	II	3.0	4.8	1.8	3.5	0.9	0.5	r2.5	1.3
	III	3.1	4.7	1.6	r3.6	1.0	0.5	2.7	1.3
	IV	r2.4	5.2	r2.7	r3.1	r0.1	r0.7	3.2	1.6
	ANNUAL	2.7	4.5	1.8	3.4	0.7	0.7	r2.5	1.4
1997	I	1.1	5.2	4.0	r2.7	0.0	1.6	2.2	1.8
	II	r1.3	5.1	3.7	r2.6	0.4	1.2	r2.9	1.8
	III	r1.9	5.5	r3.5	2.8	0.8	0.9	r3.0	1.7
	IV	r2.2	5.0	r2.7	r4.2	r2.4	2.0	0.7	1.5
	ANNUAL	1.6	5.2	3.5	3.1	0.9	1.4	2.2	1.7
1998	I	3.3	5.6	2.2	5.5	4.0	2.1	-0.8	1.0
	II	2.3	4.5	2.1	6.1	4.6	3.7	r-4.0	0.7
	III	r2.6	4.4	r1.7	r6.8	r5.3	r4.1	r-4.6	0.7
	IV	2.7	5.4	2.6	5.5	4.1	2.7	r-2.9	0.5
	ANNUAL	r2.8	5.0	r2.1	r6.0	4.5	r3.1	r-3.1	0.7
1999	I	r2.8	4.9	r2.0	5.5	3.8	r2.5	r-2.2	0.7
	II	2.6	5.1	2.4	4.3	2.3	r1.6	r0.2	1.1
	III	r2.2	5.2	r2.9	r3.5	r1.2	1.3	r1.0	1.2
	IV	r3.5	5.4	1.8	5.2	2.5	r1.6	1.0	1.4
	ANNUAL	2.8	5.2	2.3	4.6	2.5	1.8	r0.0	1.1
2000	I	r2.0	4.4	r2.3	r6.8	r3.5	r4.7	r-2.9	1.9
	II	r3.7	5.3	r1.5	6.8	3.4	2.9	r0.3	2.0
	III	r2.8	3.6	0.8	r7.9	r4.3	5.0	r-3.2	2.0
	IV	r2.0	2.1	0.1	r6.3	r2.8	r4.2	r-2.0	2.0
	ANNUAL	r2.7	3.8	r1.1	r7.0	3.6	4.2	r-2.0	1.9
2001	I	2.4	1.9	-0.5	4.5	1.0	r2.0	r1.3	1.8
	II	2.0	0.4	r-1.7	4.9	1.4	2.8	r0.7	2.0
	III	2.6	-0.2	-2.7	3.3	r0.6	r0.7	r3.9	1.8
	IV	r3.2	-0.4	-3.6	3.6	1.7	0.3	r4.7	1.9
	ANNUAL	2.5	0.4	-2.0	4.0	1.1	r1.4	r2.7	1.9
2002	I	5.1	0.9	-4.1	3.2	2.0	-1.8	6.7	1.2
	II	4.0	1.0	-2.9	3.5	2.2	r-0.4	3.4	0.9
	III	4.7	2.6	-2.0	r3.4	1.8	-1.3	5.2	1.0
	IV	3.5	2.7	-0.8	r2.8	0.6	-0.6	3.7	1.0

ANNUAL 4.3 1.8 -2.5 3.2 1.6 -1.1 4.7 1.0

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 3.

Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
Indexes 1992=100							
1994	I	104.6	106.9	102.2	104.8	101.0	100.2
	II	106.0	109.3	103.1	104.9	100.6	99.0
	III	106.3	110.8	104.2	105.4	100.3	99.1
	IV	107.3	113.2	105.4	106.1	100.5	98.9
	ANNUAL	106.1	110.0	103.8	105.3	100.6	99.3
1995	I	108.5	114.5	105.6	105.5	99.3	97.2
	II	109.4	114.3	104.5	107.0	100.0	97.8
	III	110.3	115.0	104.2	108.1	100.5	97.9
	IV	111.5	116.0	104.1	108.7	100.6	97.5
	ANNUAL	109.9	115.0	104.6	107.3	100.1	97.6
1996	I	112.9	115.9	102.7	108.7	99.9	96.3
	II	113.3	118.1	104.2	109.0	99.3	96.2
	III	114.4	119.7	104.7	109.6	99.3	95.8
	IV	115.0	120.8	105.1	110.1	99.0	95.7
	ANNUAL	113.9	118.6	104.2	109.3	99.3	96.0
1997	I	115.8	122.7	105.9	110.2	98.5	95.1
	II	116.9	123.7	105.8	111.5	99.5	95.4
	III	118.9	125.8	105.8	112.7	100.1	94.8
	IV	120.2	128.2	106.7	114.5	101.1	95.2
	ANNUAL	118.0	125.1	106.0	112.2	99.8	95.1
1998	I	121.8	129.7	106.5	116.6	102.8	95.7
	II	122.9	130.3	106.1	118.3	104.0	96.3
	III	124.9	130.7	104.7	120.0	105.0	96.1
	IV	125.1	132.1	105.6	120.2	104.9	96.1
	ANNUAL	123.6	130.7	105.7	118.7	104.2	96.0
1999	I	126.6	133.0	105.0	121.3	105.4	95.8
	II	127.3	133.9	105.1	122.1	105.3	95.9
	III	127.5	134.6	105.6	123.5	105.7	96.9
	IV	130.8	136.8	104.6	126.8	107.7	97.0
	ANNUAL	128.1	134.6	105.1	123.4	106.0	96.4
2000	I	132.6	138.1	104.1	133.2	112.1	100.5
	II	134.4	140.0	104.1	132.5	110.7	98.6
	III	134.0	139.0	103.8	135.9	112.4	101.4
	IV	134.9	137.5	102.0	136.7	112.3	101.4
	ANNUAL	134.1	138.6	103.4	134.7	112.0	100.5
2001	I	134.6	134.9	100.2	138.1	112.4	102.7
	II	135.8	133.1	98.0	137.3	110.9	101.1
	III	137.0	131.3	95.8	137.0	110.4	100.0
	IV	140.6	130.0	92.5	139.0	112.2	98.8
	ANNUAL	136.9	132.3	96.6	137.8	111.5	100.7
2002	I	144.4	131.1	90.8	143.8	115.6	99.6
	II	146.5	132.4	90.4	146.7	117.0	100.2
	III	148.7	133.2	89.6	148.3	117.7	99.7

IV	149.5	132.1	88.4	149.4	117.9	99.9
ANNUAL	147.3	132.2	89.8	147.0	117.0	99.8

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 3. -Continued

Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	

Percent change from previous quarter at annual rate(5)							
1994	I	3.0	4.4	1.3	5.7	4.6	2.5
	II	5.4	9.1	3.5	0.5	-1.7	-4.7
	III	1.0	5.5	4.4	1.8	-1.3	0.8
	IV	4.1	9.1	4.7	2.9	1.0	-1.2
	ANNUAL	3.3	5.7	2.3	3.2	1.1	-0.1
1995	I	4.4	4.9	0.5	-2.5	-4.7	-6.6
	II	3.4	-0.7	-4.0	5.8	2.6	2.4
	III	3.4	2.2	-1.1	4.1	2.2	0.7
	IV	4.3	3.7	-0.5	2.4	0.6	-1.8
	ANNUAL	3.6	4.5	0.8	1.9	-0.5	-1.7
1996	I	5.1	-0.4	-5.3	0.1	-3.0	-4.8
	II	1.3	7.7	6.3	0.9	-2.5	-0.4
	III	4.0	5.7	1.6	2.2	0.0	-1.7
	IV	2.1	3.7	1.6	1.8	-1.2	-0.3
	ANNUAL	3.6	3.2	-0.4	1.9	-0.8	-1.6
1997	I	3.0	6.3	3.2	0.4	-1.8	-2.5
	II	3.8	3.5	-0.3	5.1	4.1	1.3
	III	7.0	6.7	-0.3	4.3	2.4	-2.5
	IV	4.3	8.0	3.5	6.2	4.1	1.9
	ANNUAL	3.6	5.5	1.8	2.6	0.5	-0.9
1998	I	5.4	4.8	-0.5	7.6	6.9	2.1
	II	3.6	1.8	-1.8	6.0	4.8	2.3
	III	6.7	1.3	-5.0	5.9	3.9	-0.8
	IV	0.7	4.4	3.6	0.9	-0.7	0.2
	ANNUAL	4.8	4.5	-0.3	5.8	4.3	1.0
1999	I	5.0	2.5	-2.4	3.6	2.0	-1.3
	II	2.3	2.8	0.5	2.6	-0.3	0.3
	III	0.5	2.2	1.7	4.7	1.6	4.2
	IV	10.8	6.8	-3.6	11.2	7.9	0.3
	ANNUAL	3.6	2.9	-0.6	3.9	1.8	0.3
2000	I	5.6	3.7	-1.9	21.8	17.3	15.3
	II	5.6	5.6	0.0	-2.1	-5.1	-7.3
	III	-1.4	-2.8	-1.4	10.6	6.6	12.1
	IV	2.8	-4.1	-6.7	2.4	-0.4	-0.3
	ANNUAL	4.7	3.0	-1.6	9.2	5.6	4.2
2001	I	-0.9	-7.6	-6.7	4.3	0.4	5.2
	II	3.8	-5.0	-8.5	-2.4	-5.4	-5.9
	III	3.5	-5.5	-8.6	-0.9	-1.7	-4.2
	IV	11.1	-3.7	-13.3	5.9	6.5	-4.6
	ANNUAL	2.1	-4.6	-6.5	2.3	-0.5	0.2
2002	I	11.2	3.2	-7.2	14.6	12.9	3.0
	II	5.8	4.1	-1.6	8.5	5.0	2.6

III	6.3	2.4	-3.7	4.3	2.1	-1.9
IV	2.2	-3.2	-5.3	3.0	0.9	0.8
ANNUAL	7.5	-0.1	-7.1	6.6	5.0	-0.8

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 3. -Continued

Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	

Percent change from corresponding quarter of previous year							
1994	I	2.3	3.7	1.4	3.8	1.7	1.5
	II	3.7	5.5	1.7	3.3	1.4	-0.3
	III	3.8	6.5	2.6	3.0	0.7	-0.7
	IV	3.4	7.0	3.5	2.7	0.6	-0.7
	ANNUAL	3.3	5.7	2.3	3.2	1.1	-0.1
1995	I	3.7	7.1	3.3	0.7	-1.7	-3.0
	II	3.2	4.6	1.4	2.0	-0.6	-1.2
	III	3.8	3.8	0.0	2.6	0.2	-1.2
	IV	3.9	2.5	-1.3	2.4	0.1	-1.4
	ANNUAL	3.6	4.5	0.8	1.9	-0.5	-1.7
1996	I	4.0	1.2	-2.7	3.1	0.6	-0.9
	II	3.5	3.3	-0.3	1.9	-0.7	-1.6
	III	3.7	4.1	0.4	1.4	-1.2	-2.2
	IV	3.1	4.1	1.0	1.3	-1.7	-1.8
	ANNUAL	3.6	3.2	-0.4	1.9	-0.8	-1.6
1997	I	2.6	5.8	3.2	1.3	-1.4	-1.3
	II	3.2	4.8	1.5	2.4	0.3	-0.8
	III	4.0	5.1	1.1	2.9	0.9	-1.0
	IV	4.5	6.1	1.5	4.0	2.2	-0.5
	ANNUAL	3.6	5.5	1.8	2.6	0.5	-0.9
1998	I	5.1	5.8	0.6	5.8	4.4	0.6
	II	5.1	5.3	0.2	6.0	4.6	0.9
	III	5.0	4.0	-1.0	6.4	4.9	1.3
	IV	4.1	3.1	-1.0	5.1	3.7	0.9
	ANNUAL	4.8	4.5	-0.3	5.8	4.3	1.0
1999	I	4.0	2.5	-1.4	4.1	2.5	0.1
	II	3.7	2.7	-0.9	3.2	1.2	-0.4
	III	2.1	2.9	0.8	2.9	0.6	0.8
	IV	4.6	3.5	-1.0	5.5	2.8	0.9
	ANNUAL	3.6	2.9	-0.6	3.9	1.8	0.3
2000	I	4.7	3.8	-0.8	9.8	6.4	4.9
	II	5.6	4.6	-0.9	8.5	5.1	2.8
	III	5.1	3.3	-1.7	10.0	6.4	4.7
	IV	3.1	0.5	-2.5	7.8	4.2	4.6
	ANNUAL	4.7	3.0	-1.6	9.2	5.6	4.2
2001	I	1.5	-2.3	-3.7	3.7	0.3	2.2
	II	1.0	-4.9	-5.9	3.6	0.2	2.5
	III	2.3	-5.5	-7.6	0.8	-1.8	-1.4
	IV	4.3	-5.5	-9.3	1.7	-0.1	-2.5
	ANNUAL	2.1	-4.6	-6.5	2.3	-0.5	0.2
2002	I	7.3	-2.8	-9.4	4.1	2.8	-3.0

II	7.8	-0.5	-7.8	6.9	5.5	-0.9
III	8.6	1.5	-6.6	8.2	6.6	-0.3
IV	6.3	1.6	-4.5	7.5	5.1	1.1
ANNUAL	7.5	-0.1	-7.1	6.6	5.0	-0.8

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 4.

Durable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
Indexes 1992=100							
1994	I	107.6	110.7	102.9	105.0	101.2	97.5
	II	109.4	113.6	103.8	105.1	100.8	96.1
	III	110.0	115.9	105.4	105.5	100.4	95.8
	IV	111.5	119.2	106.8	106.2	100.6	95.2
	ANNUAL	109.7	114.8	104.7	105.4	100.7	96.1
1995	I	113.3	121.5	107.2	105.0	98.8	92.6
	II	114.2	121.6	106.5	106.4	99.4	93.1
	III	115.6	122.9	106.3	107.5	100.0	93.0
	IV	117.5	125.1	106.5	108.0	100.0	91.9
	ANNUAL	115.2	122.8	106.6	106.7	99.5	92.6
1996	I	119.3	125.6	105.3	107.4	98.7	90.1
	II	120.0	128.9	107.4	107.7	98.1	89.7
	III	121.6	131.2	108.0	108.4	98.2	89.2
	IV	122.1	132.4	108.5	108.7	97.8	89.1
	ANNUAL	120.7	129.5	107.3	108.1	98.2	89.5
1997	I	123.0	135.3	110.0	108.7	97.2	88.4
	II	124.9	137.5	110.0	110.1	98.2	88.1
	III	127.0	140.4	110.5	110.8	98.4	87.3
	IV	130.0	144.8	111.3	112.7	99.6	86.7
	ANNUAL	126.3	139.5	110.5	110.6	98.4	87.6
1998	I	132.2	147.6	111.6	115.1	101.5	87.1
	II	133.9	148.6	111.0	116.8	102.7	87.2
	III	136.9	150.5	109.9	118.1	103.4	86.2
	IV	138.5	154.0	111.2	118.5	103.4	85.6
	ANNUAL	135.4	150.2	111.0	117.1	102.7	86.5
1999	I	141.3	155.5	110.0	120.0	104.2	84.9
	II	142.9	157.2	110.0	121.0	104.4	84.7
	III	142.9	159.4	111.6	122.4	104.8	85.7
	IV	146.1	161.7	110.7	126.2	107.2	86.3
	ANNUAL	143.3	158.5	110.6	122.4	105.2	85.4
2000	I	149.6	164.9	110.2	133.4	112.3	89.2
	II	151.4	167.5	110.7	131.9	110.1	87.1
	III	151.0	166.4	110.2	135.7	112.3	89.9
	IV	151.0	164.1	108.6	135.4	111.3	89.7
	ANNUAL	150.9	165.7	109.8	134.2	111.6	89.0
2001	I	150.3	160.1	106.5	136.4	111.0	90.7
	II	151.7	157.6	103.9	135.8	109.6	89.5
	III	153.4	154.4	100.7	135.6	109.3	88.4
	IV	156.8	151.5	96.6	137.9	111.3	87.9
	ANNUAL	153.0	155.9	101.9	136.4	110.3	89.2

2002	I	161.8	153.1	94.6	140.8	113.2	87.0
	II	164.6	155.3	94.3	143.9	114.8	87.4
	III	167.7	156.6	93.4	145.0	115.1	86.5
	IV	170.6	156.3	91.6	146.1	115.4	85.7
	ANNUAL	166.1	155.3	93.5	143.9	114.6	86.6

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 4. -Continued

Durable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
Percent change from previous quarter at annual rate(5)							
1994	I	3.6	6.6	2.9	6.8	5.7	3.0
	II	6.9	11.0	3.8	0.6	-1.5	-5.9
	III	2.3	8.4	6.0	1.3	-1.8	-1.0
	IV	5.5	11.6	5.8	2.6	0.8	-2.7
	ANNUAL	4.9	8.3	3.2	3.5	1.4	-1.3
1995	I	6.7	8.0	1.2	-4.4	-6.7	-10.5
	II	3.2	0.4	-2.6	5.6	2.3	2.3
	III	4.9	4.5	-0.4	4.2	2.3	-0.6
	IV	6.8	7.3	0.5	1.8	0.0	-4.7
	ANNUAL	5.0	6.9	1.8	1.2	-1.2	-3.6
1996	I	6.1	1.5	-4.3	-2.0	-5.1	-7.6
	II	2.6	11.0	8.2	1.1	-2.3	-1.4
	III	5.3	7.4	2.0	2.5	0.4	-2.6
	IV	1.7	3.7	2.0	1.3	-1.7	-0.4
	ANNUAL	4.8	5.5	0.6	1.3	-1.4	-3.4
1997	I	3.1	8.9	5.7	-0.1	-2.3	-3.1
	II	6.3	6.5	0.1	5.1	4.1	-1.2
	III	6.9	8.8	1.8	2.9	1.0	-3.8
	IV	9.9	13.2	3.0	7.0	4.9	-2.6
	ANNUAL	4.6	7.7	3.0	2.3	0.2	-2.1
1998	I	6.8	8.0	1.1	8.7	8.0	1.7
	II	5.1	2.8	-2.2	5.9	4.7	0.7
	III	9.3	5.1	-3.8	4.5	2.6	-4.4
	IV	4.7	9.7	4.8	1.6	-0.1	-3.0
	ANNUAL	7.2	7.7	0.4	5.9	4.4	-1.2
1999	I	8.3	3.7	-4.2	5.0	3.3	-3.1
	II	4.6	4.7	0.0	3.6	0.7	-1.0
	III	0.1	5.7	5.6	4.6	1.5	4.5
	IV	9.4	5.9	-3.1	12.9	9.6	3.2
	ANNUAL	5.9	5.5	-0.3	4.5	2.4	-1.3
2000	I	9.8	7.9	-1.7	25.0	20.3	13.9
	II	4.9	6.6	1.6	-4.5	-7.5	-9.0
	III	-1.1	-2.6	-1.6	12.1	8.1	13.3
	IV	0.2	-5.4	-5.6	-0.7	-3.5	-0.9
	ANNUAL	5.3	4.6	-0.7	9.7	6.1	4.2
2001	I	-2.0	-9.5	-7.6	2.7	-1.1	4.8
	II	3.7	-6.1	-9.4	-1.7	-4.7	-5.2
	III	4.6	-7.7	-11.8	-0.6	-1.4	-5.0
	IV	9.2	-7.3	-15.2	7.1	7.7	-2.0
	ANNUAL	1.4	-5.9	-7.2	1.6	-1.2	0.2

2002	I	13.3	4.1	-8.1	8.7	7.1	-4.1
	II	7.1	6.0	-1.0	9.0	5.5	1.8
	III	7.7	3.3	-4.0	3.2	1.1	-4.2
	IV	7.1	-0.7	-7.2	3.2	1.1	-3.6
	ANNUAL	8.6	-0.4	-8.3	5.5	3.9	-2.8

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 4. -Continued

Durable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
Percent change from corresponding quarter of previous year							
1994	I	3.9	6.1	2.1	4.1	2.0	0.2
	II	5.2	8.0	2.6	3.7	1.8	-1.4
	III	5.8	9.7	3.6	3.3	1.0	-2.4
	IV	4.6	9.4	4.6	2.8	0.7	-1.7
	ANNUAL	4.9	8.3	3.2	3.5	1.4	-1.3
1995	I	5.3	9.7	4.2	0.0	-2.3	-5.1
	II	4.4	7.0	2.5	1.2	-1.4	-3.1
	III	5.1	6.1	0.9	1.9	-0.4	-3.0
	IV	5.4	5.0	-0.3	1.7	-0.6	-3.5
	ANNUAL	5.0	6.9	1.8	1.2	-1.2	-3.6
1996	I	5.2	3.4	-1.7	2.3	-0.2	-2.7
	II	5.1	6.0	0.9	1.2	-1.3	-3.6
	III	5.2	6.7	1.5	0.8	-1.8	-4.1
	IV	3.9	5.8	1.9	0.7	-2.2	-3.0
	ANNUAL	4.8	5.5	0.6	1.3	-1.4	-3.4
1997	I	3.1	7.7	4.5	1.2	-1.5	-1.9
	II	4.1	6.6	2.4	2.2	0.1	-1.8
	III	4.5	7.0	2.4	2.3	0.2	-2.1
	IV	6.5	9.3	2.6	3.7	1.9	-2.7
	ANNUAL	4.6	7.7	3.0	2.3	0.2	-2.1
1998	I	7.5	9.1	1.5	5.9	4.5	-1.5
	II	7.2	8.1	0.9	6.1	4.6	-1.0
	III	7.8	7.2	-0.5	6.5	5.0	-1.2
	IV	6.5	6.4	-0.1	5.1	3.8	-1.3
	ANNUAL	7.2	7.7	0.4	5.9	4.4	-1.2
1999	I	6.9	5.3	-1.4	4.2	2.6	-2.5
	II	6.7	5.8	-0.9	3.7	1.6	-2.9
	III	4.4	5.9	1.5	3.7	1.4	-0.7
	IV	5.5	5.0	-0.5	6.5	3.7	0.9
	ANNUAL	5.9	5.5	-0.3	4.5	2.4	-1.3
2000	I	5.9	6.0	0.2	11.2	7.7	5.0
	II	5.9	6.5	0.6	8.9	5.5	2.8
	III	5.6	4.4	-1.2	10.9	7.2	4.9
	IV	3.4	1.5	-1.8	7.4	3.8	3.9
	ANNUAL	5.3	4.6	-0.7	9.7	6.1	4.2
2001	I	0.5	-2.9	-3.4	2.2	-1.1	1.7
	II	0.2	-5.9	-6.1	3.0	-0.4	2.8
	III	1.6	-7.2	-8.7	-0.1	-2.7	-1.7
	IV	3.8	-7.7	-11.1	1.8	0.0	-1.9

	ANNUAL	1.4	-5.9	-7.2	1.6	-1.2	0.2
2002	I	7.7	-4.4	-11.2	3.3	2.0	-4.1
	II	8.5	-1.5	-9.2	6.0	4.7	-2.4
	III	9.3	1.4	-7.2	6.9	5.3	-2.2
	IV	8.8	3.2	-5.1	6.0	3.7	-2.6
	ANNUAL	8.6	-0.4	-8.3	5.5	3.9	-2.8

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 5.

Nondurable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	
Indexes 1992=100							
1994	I	101.3	102.5	101.2	104.2	100.5	102.9
	II	102.2	104.3	102.0	104.2	100.0	102.0
	III	102.2	104.8	102.6	104.8	99.8	102.6
	IV	103.0	106.4	103.3	105.6	100.1	102.6
	ANNUAL	102.2	104.5	102.3	104.7	100.1	102.5
1995	I	103.5	106.8	103.2	105.9	99.8	102.3
	II	104.6	106.3	101.6	107.5	100.4	102.7
	III	105.1	106.1	101.0	108.5	100.9	103.2
	IV	105.4	105.9	100.4	109.3	101.2	103.7
	ANNUAL	104.6	106.3	101.6	107.8	100.6	103.0
1996	I	106.4	105.0	98.7	110.4	101.4	103.8
	II	106.5	105.9	99.5	110.4	100.6	103.7
	III	107.2	106.9	99.7	110.8	100.4	103.4
	IV	108.2	108.1	99.9	111.6	100.3	103.1
	ANNUAL	107.1	106.5	99.5	110.8	100.7	103.5
1997	I	109.4	109.2	99.8	111.8	99.9	102.1
	II	109.8	109.3	99.5	113.2	101.0	103.0
	III	112.1	110.6	98.6	115.0	102.1	102.6
	IV	111.3	111.0	99.7	116.4	102.8	104.5
	ANNUAL	110.7	110.0	99.4	114.1	101.5	103.1
1998	I	112.4	111.2	98.9	117.8	103.9	104.8
	II	112.8	111.3	98.7	119.6	105.2	106.0
	III	113.9	110.4	96.9	122.0	106.8	107.1
	IV	112.8	109.7	97.3	121.8	106.3	108.0
	ANNUAL	113.0	110.6	97.9	120.3	105.5	106.5
1999	I	112.9	110.0	97.5	122.3	106.2	108.3
	II	112.7	110.2	97.8	122.5	105.6	108.7
	III	113.3	109.5	96.6	123.6	105.8	109.1
	IV	116.8	111.6	95.6	125.9	107.0	107.8
	ANNUAL	113.9	110.3	96.9	123.6	106.2	108.5
2000	I	116.7	110.9	95.0	130.5	109.8	111.8
	II	118.7	112.0	94.4	131.4	109.7	110.7
	III	118.0	111.1	94.1	133.7	110.7	113.3
	IV	119.9	110.4	92.0	136.6	112.2	113.9
	ANNUAL	118.5	111.1	93.7	133.2	110.8	112.4
2001	I	119.9	108.9	90.8	139.2	113.3	116.1
	II	120.8	107.8	89.2	138.0	111.5	114.3
	III	120.9	107.1	88.6	137.8	111.1	114.0
	IV	124.4	107.3	86.3	139.3	112.4	111.9

	ANNUAL	121.5	107.8	88.7	138.6	112.1	114.1
2002	I	126.9	107.9	85.0	147.9	118.9	116.5
	II	128.3	108.4	84.5	150.5	120.1	117.4
	III	129.7	108.7	83.8	152.9	121.3	117.9
	IV	128.2	106.9	83.4	154.1	121.6	120.2
	ANNUAL	128.2	108.0	84.2	151.3	120.5	118.0

See footnotes following Table 6.

June 2, 2005

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Source: Bureau of Labor Statistics

Appendix table 5. -Continued

Nondurable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs	

Percent change from previous quarter at annual rate(5)							
1994	I	2.8	1.7	-1.0	3.2	2.2	0.4
	II	3.8	7.0	3.0	0.1	-2.0	-3.5
	III	0.0	2.2	2.2	2.4	-0.8	2.3
	IV	3.0	6.2	3.1	3.1	1.2	0.1
	ANNUAL	1.7	2.6	0.9	2.4	0.3	0.7
1995	I	2.1	1.4	-0.7	1.1	-1.3	-1.0
	II	4.3	-2.0	-6.0	6.0	2.7	1.6
	III	1.8	-0.6	-2.3	3.7	1.7	1.9
	IV	1.3	-0.9	-2.1	3.2	1.5	1.9
	ANNUAL	2.4	1.7	-0.7	2.9	0.5	0.5
1996	I	3.9	-3.1	-6.7	4.0	0.7	0.1
	II	0.2	3.4	3.2	0.0	-3.3	-0.2
	III	2.8	3.9	1.0	1.5	-0.7	-1.3
	IV	3.6	4.5	0.8	2.7	-0.4	-0.9
	ANNUAL	2.3	0.2	-2.1	2.8	0.1	0.5
1997	I	4.7	4.1	-0.6	0.7	-1.5	-3.8
	II	1.5	0.5	-1.0	5.1	4.1	3.6
	III	8.5	4.6	-3.6	6.6	4.7	-1.7
	IV	-2.8	1.5	4.4	4.8	2.7	7.8
	ANNUAL	3.4	3.3	-0.1	2.9	0.8	-0.4
1998	I	4.0	0.7	-3.2	5.0	4.4	1.0
	II	1.6	0.5	-1.0	6.4	5.2	4.7
	III	4.0	-3.4	-7.1	8.2	6.2	4.0
	IV	-3.9	-2.3	1.6	-0.5	-2.1	3.5
	ANNUAL	2.1	0.6	-1.5	5.5	4.0	3.3
1999	I	0.3	1.2	0.9	1.4	-0.2	1.0
	II	-0.8	0.4	1.2	0.8	-2.1	1.6
	III	2.2	-2.4	-4.5	3.8	0.7	1.6
	IV	12.8	7.9	-4.3	7.6	4.5	-4.6
	ANNUAL	0.8	-0.3	-1.1	2.7	0.6	1.9
2000	I	-0.1	-2.3	-2.2	15.4	11.1	15.5
	II	6.8	3.9	-2.8	2.7	-0.4	-3.8
	III	-2.3	-3.2	-1.0	7.4	3.5	9.8
	IV	6.6	-2.5	-8.5	8.9	5.9	2.2
	ANNUAL	4.0	0.7	-3.2	7.8	4.3	3.6
2001	I	-0.2	-5.3	-5.1	7.8	3.8	8.0
	II	3.2	-3.8	-6.8	-3.4	-6.3	-6.3
	III	0.3	-2.6	-2.9	-0.6	-1.4	-0.9

	IV	12.2	0.8	-10.1	4.3	4.9	-7.1
	ANNUAL	2.5	-3.0	-5.3	4.0	1.2	1.5
2002	I	8.2	2.2	-5.5	27.1	25.3	17.5
	II	4.4	1.8	-2.4	7.4	4.0	2.9
	III	4.5	1.1	-3.2	6.4	4.2	1.9
	IV	-4.5	-6.4	-2.0	3.1	1.0	8.0
	ANNUAL	5.6	0.2	-5.1	9.2	7.5	3.4

See footnotes following Table 6.

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Source: Bureau of Labor Statistics

Appendix table 5. —Continued

Nondurable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

Year and quarter	Output per hour of all persons	Output	Hours of all persons	Compensation per hour (1)	Real compensation per hour (2)	Unit labor costs
Percent change from corresponding quarter of previous year						
1994	I	0.6	0.9	0.4	3.0	2.4
	II	2.2	2.5	0.3	2.4	0.2
	III	1.6	2.8	1.1	2.2	0.5
	IV	2.4	4.3	1.8	2.2	-0.2
	ANNUAL	1.7	2.6	0.9	2.4	0.7
1995	I	2.2	4.2	1.9	1.7	-0.5
	II	2.3	1.9	-0.4	3.1	0.8
	III	2.8	1.2	-1.5	3.4	0.7
	IV	2.3	-0.5	-2.8	3.5	1.1
	ANNUAL	2.4	1.7	-0.7	2.9	0.5
1996	I	2.8	-1.6	-4.3	4.2	1.4
	II	1.8	-0.3	-2.1	2.7	0.9
	III	2.0	0.8	-1.2	2.2	0.1
	IV	2.6	2.1	-0.5	2.0	-0.6
	ANNUAL	2.3	0.2	-2.1	2.8	0.5
1997	I	2.8	3.9	1.1	1.2	-1.6
	II	3.2	3.2	0.1	2.5	-0.6
	III	4.5	3.4	-1.1	3.8	-0.7
	IV	2.9	2.7	-0.2	4.3	1.4
	ANNUAL	3.4	3.3	-0.1	2.9	-0.4
1998	I	2.7	1.8	-0.9	5.4	2.6
	II	2.7	1.8	-0.9	5.7	2.9
	III	1.7	-0.2	-1.8	6.1	4.4
	IV	1.4	-1.1	-2.5	4.7	3.3
	ANNUAL	2.1	0.6	-1.5	5.5	3.3
1999	I	0.5	-1.0	-1.5	3.8	3.3
	II	-0.1	-1.0	-0.9	2.4	2.5
	III	-0.6	-0.8	-0.2	1.3	1.9
	IV	3.5	1.7	-1.7	3.3	-0.2
	ANNUAL	0.8	-0.3	-1.1	2.7	1.9
2000	I	3.4	0.8	-2.5	6.7	3.2
	II	5.3	1.7	-3.5	7.3	1.8
	III	4.2	1.5	-2.6	8.2	3.8
	IV	2.7	-1.1	-3.7	8.5	5.7
	ANNUAL	4.0	0.7	-3.2	7.8	3.6
2001	I	2.7	-1.9	-4.4	6.7	3.9
	II	1.8	-3.7	-5.4	5.1	3.2

	III	2.4	-3.6	-5.9	3.1	0.4	0.6
	IV	3.8	-2.7	-6.3	1.9	0.1	-1.8
	ANNUAL	2.5	-3.0	-5.3	4.0	1.2	1.5
2002	I	5.9	-0.9	-6.4	6.2	5.0	0.3
	II	6.2	0.6	-5.3	9.1	7.7	2.7
	III	7.3	1.5	-5.4	10.9	9.2	3.4
	IV	3.0	-0.4	-3.3	10.6	8.2	7.4
	ANNUAL	5.6	0.2	-5.1	9.2	7.5	3.4

See footnotes following Table 6.

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Source: Bureau of Labor Statistics

Appendix table 6. Nonfinancial corporations: Revised productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted

Year and quarter	Output per all-employee hour	Output	Employee hours	Hourly compensation (1)	Real hourly compensation(2)	Unit labor costs	Unit non-labor costs(6)	Total unit costs (7)	Unit profits (8)	Implicit price deflator (4)
Indexes 1992=100										
1994	I	101.9	106.3	104.4	103.6	99.9	101.7	102.0	101.8	120.2
	II	102.1	108.5	106.2	103.4	r99.1	101.2	99.9	100.9	131.5
	III	r102.0	109.8	107.6	103.3	98.3	101.2	100.8	101.1	134.7
	IV	102.8	112.0	r109.0	103.9	98.4	101.0	100.5	100.9	140.0
	ANNUAL	102.2	109.2	106.8	r103.5	98.9	101.3	100.8	101.2	131.7
1995	I	102.4	112.5	109.8	104.7	98.6	102.2	101.3	101.9	132.7
	II	102.8	113.4	110.3	r105.0	r98.1	102.2	101.6	102.0	132.4
	III	103.7	115.2	111.1	r105.4	98.1	101.7	100.9	101.5	141.0
	IV	104.4	116.2	111.3	106.1	98.3	101.7	101.1	101.5	141.2
	ANNUAL	103.3	114.3	110.6	105.3	98.3	101.9	101.2	101.7	136.9
1996	I	105.7	117.5	111.1	r107.1	98.4	101.4	100.5	101.1	148.3
	II	106.7	119.6	112.1	108.2	98.6	101.4	100.0	101.1	149.9
	III	107.7	121.7	113.0	109.0	98.7	101.2	99.7	100.8	149.4
	IV	108.3	123.6	114.1	109.5	98.5	101.1	99.7	100.7	152.2
	ANNUAL	107.1	120.6	112.6	108.5	r98.5	101.3	100.0	100.9	150.0
1997	I	108.5	125.3	115.5	110.4	r98.7	101.8	100.2	101.4	152.7
	II	109.3	127.2	116.4	111.0	99.0	101.6	99.9	101.1	152.9
	III	110.6	129.7	117.3	111.9	99.4	101.2	99.7	100.8	158.5
	IV	r111.3	131.5	118.2	113.6	r100.4	102.1	99.2	101.3	153.1
	ANNUAL	109.9	128.4	116.9	111.7	99.4	101.7	99.7	101.1	154.3
1998	I	r111.9	132.9	118.8	116.1	102.4	103.8	99.1	102.5	139.7
	II	112.9	134.7	119.3	117.5	r103.4	104.0	99.1	102.7	136.6
	III	114.6	137.0	119.6	119.2	r104.4	104.0	99.1	102.7	139.8
	IV	r114.5	138.6	121.1	119.7	104.4	104.6	100.5	103.5	132.2
	ANNUAL	113.5	135.8	119.7	118.1	103.6	104.1	99.5	102.9	137.0
1999	I	r116.6	141.6	121.5	r122.7	r106.6	105.2	99.2	103.6	133.3
	II	117.1	143.2	122.3	r122.9	r106.0	104.9	99.7	103.5	133.6
	III	117.1	144.4	r123.2	123.5	105.7	105.5	101.0	104.3	126.2
	IV	r118.5	146.9	124.0	125.2	106.4	105.7	101.5	104.6	123.4
	ANNUAL	117.3	144.0	122.8	r123.6	r106.2	105.3	100.4	104.0	129.1
2000	I	120.5	150.3	124.7	129.7	109.2	107.7	101.9	106.1	114.6
	II	r121.2	151.1	r124.7	130.5	r109.0	107.7	103.5	106.6	115.9
	III	r122.0	152.4	r124.9	132.9	110.0	109.0	104.8	107.9	107.4
	IV	122.2	152.3	124.7	134.4	110.4	110.0	106.5	109.1	97.0
	ANNUAL	121.5	151.5	124.7	132.0	109.7	108.6	104.2	107.4	108.7
2001	I	122.6	151.9	123.9	135.5	110.3	110.5	109.2	110.2	87.4

	II	123.5	151.1	122.3	136.8	110.5	110.8	111.6	111.0	86.9	108.9
	III	123.7	149.4	120.8	137.9	r111.2	111.5	114.1	112.2	79.0	109.2
	IV	124.5	148.2	119.1	139.3	r112.5	111.9	115.7	113.0	75.5	109.6
	ANNUAL	r123.6	150.2	121.5	r137.4	111.1	111.2	112.6	111.6	82.2	108.9
2002	I	126.7	150.2	118.5	139.9	112.5	110.4	113.6	111.3	88.8	109.3
	II	128.2	151.7	118.4	r141.4	112.8	110.3	112.7	111.0	94.5	109.5
	III	129.0	152.2	r117.9	142.1	r112.8	110.1	112.8	110.9	95.8	109.5
	IV	129.6	152.4	117.6	142.8	112.8	110.2	112.8	110.9	102.3	110.1
	ANNUAL	128.4	151.6	118.1	r141.6	112.7	110.3	113.0	111.0	95.4	109.6

See footnotes following Table 6.

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r=revised

Source: Bureau of Labor Statistics

Appendix table 6. -Continued. Nonfinancial corporations: Revised productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted

Year and quarter	Output per all-employee hour	Output	Employee hours	Hourly compensation (1)	Real hourly compensation(2)	Unit labor costs	Unit non-labor costs(6)	Total unit costs (7)	Unit profits (8)	Implicit price deflator (4)	
Percent change from previous quarter at annual rate(5)											
1994	I	r2.9	6.2	r3.2	r5.1	r4.0	2.1	10.2	4.2	-16.4	1.8
	II	r1.0	8.4	r7.3	-0.8	-2.9	-1.8	-8.2	-3.6	43.2	0.7
	III	-0.3	4.8	r5.1	-0.2	-3.3	0.1	3.9	1.1	10.2	2.1
	IV	3.0	8.4	r5.3	2.2	r0.3	-0.8	-1.2	-0.9	16.5	1.0
	ANNUAL	1.9	6.2	r4.3	r1.7	r-0.4	-0.1	0.9	0.1	15.4	1.7
1995	I	r-1.4	1.6	r3.0	r3.2	r0.8	4.6	3.0	4.2	-19.3	1.2
	II	r1.4	3.4	r1.9	r1.4	-1.7	0.0	1.3	0.3	-0.9	0.2
	III	3.5	6.5	2.9	1.6	r-0.3	-1.9	-2.7	-2.1	28.6	1.1
	IV	r2.8	3.6	r0.8	r2.5	r0.8	-0.2	0.7	0.1	0.5	0.1
	ANNUAL	1.1	4.7	3.6	1.7	-0.7	0.6	0.4	0.6	3.9	1.0
1996	I	r5.1	4.4	r-0.7	r3.9	r0.7	-1.1	-2.5	-1.5	21.9	1.1
	II	3.7	7.5	r3.7	4.0	0.5	0.3	-1.9	-0.3	4.2	0.3
	III	r4.1	7.3	r3.1	2.9	r0.8	-1.1	-1.3	-1.2	-1.1	-1.2
	IV	2.2	6.4	4.1	r2.0	-1.0	-0.2	0.1	-0.1	7.6	0.8
	ANNUAL	3.7	5.5	1.8	3.0	0.3	-0.6	-1.3	-0.8	9.6	0.4
1997	I	0.6	5.6	5.0	3.3	1.1	2.7	2.1	2.5	1.4	2.4
	II	r2.9	6.2	r3.2	r2.0	r1.0	-0.9	-1.1	-0.9	0.5	-0.8
	III	4.9	8.0	3.0	3.4	r1.6	-1.4	-0.8	-1.3	15.4	0.8
	IV	r2.6	5.7	r3.0	r6.3	r4.2	3.6	-2.1	2.1	-12.9	0.0
	ANNUAL	2.6	6.5	3.8	3.0	r0.9	0.4	-0.2	0.2	2.9	0.6
1998	I	r2.0	4.2	r2.1	r9.0	r8.3	6.8	-0.2	5.0	-30.8	-0.3
	II	3.9	5.6	1.6	4.9	r3.8	1.0	0.0	0.7	-8.5	-0.4
	III	6.0	7.1	r1.1	r5.8	r3.8	-0.2	0.0	-0.1	9.6	1.0
	IV	r-0.4	4.6	r5.0	r1.8	0.1	2.2	5.8	3.1	-19.9	0.2
	ANNUAL	3.2	5.7	2.4	5.7	r4.3	2.4	-0.2	1.7	-11.2	0.0
1999	I	r7.5	8.9	1.3	r10.3	r8.6	2.6	-5.4	0.5	3.5	0.8
	II	1.9	4.7	2.7	0.6	-2.2	-1.3	2.3	-0.4	0.7	-0.2
	III	r0.0	3.2	3.2	2.2	-0.8	2.2	5.1	2.9	-20.4	0.1
	IV	4.6	7.2	2.5	r5.7	2.6	1.0	2.2	1.3	-8.6	0.2
	ANNUAL	3.4	6.0	2.6	4.6	r2.5	1.2	0.9	1.1	-5.8	0.3
2000	I	r7.1	9.5	r2.2	r15.2	r10.9	7.6	1.4	5.9	-25.5	2.3
	II	r2.2	2.3	r0.1	2.3	r-0.8	0.1	6.6	1.8	4.7	2.1
	III	2.7	3.4	r0.7	7.7	3.8	4.9	5.0	4.9	-26.2	1.5
	IV	r0.7	-0.2	-0.9	4.5	1.6	3.7	6.7	4.5	-33.4	0.6
	ANNUAL	3.6	5.2	r1.6	6.8	3.4	3.1	3.8	3.3	-15.8	1.2

2001	I	1.4	-1.1	-2.4	3.4	r-0.4	1.9	10.5	4.1	-34.1	0.6
	II	r3.0	-2.2	r-5.0	r3.9	0.7	0.9	9.2	3.1	-2.5	2.7
	III	0.6	-4.4	-5.0	r3.2	2.4	2.6	8.9	4.3	-31.8	1.3
	IV	r2.5	-3.0	r-5.4	4.2	4.8	1.6	5.9	2.8	-16.3	1.4
	ANNUAL	1.7	-0.9	-2.5	4.1	r1.3	2.4	8.1	3.9	-24.3	1.3
2002	I	7.5	5.4	-2.0	1.7	0.2	-5.4	-7.0	-5.9	91.5	-1.3
	II	r4.7	4.2	r-0.5	r4.3	r1.0	-0.3	-3.1	-1.1	28.2	0.8
	III	2.6	1.1	-1.4	2.0	-0.1	-0.6	0.3	-0.3	5.8	0.1
	IV	r1.8	0.7	r-1.1	r2.0	r0.0	0.3	0.0	0.2	29.9	2.3
	ANNUAL	3.9	1.0	-2.8	3.0	1.4	-0.8	0.3	-0.5	16.0	0.6

See footnotes following Table 6.

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Source: Bureau of Labor Statistics

Appendix table 6. -Continued. Nonfinancial corporations: Revised productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted

Year and quarter	Output per all-employee hour	Output	Employee hours	Hourly compensation (1)	Real hourly compensation(2)	Unit labor costs	Unit non-labor costs(6)	Total unit costs (7)	Unit profits (8)	Implicit price deflator (4)	
Percent change from corresponding quarter of previous year											
1994	I	2.3	5.5	3.1	2.4	0.3	0.1	1.4	0.4	15.5	1.8
	II	1.8	5.9	r4.1	r1.7	r-0.2	-0.1	0.5	0.1	16.0	1.7
	III	1.7	6.5	4.7	1.3	-0.9	-0.4	0.7	-0.1	19.4	1.8
	IV	r1.6	6.9	5.2	r1.5	-0.5	-0.1	1.0	0.2	11.3	1.4
	ANNUAL	1.9	6.2	r4.3	r1.7	r-0.4	-0.1	0.9	0.1	15.4	1.7
1995	I	0.6	5.8	5.2	1.1	-1.3	0.5	-0.7	0.2	10.4	1.2
	II	0.7	4.5	3.8	1.6	-1.0	1.0	1.8	1.2	0.7	1.1
	III	1.6	4.9	3.3	2.1	-0.2	0.5	0.1	0.4	4.6	0.9
	IV	r1.6	3.7	2.2	r2.2	r-0.1	0.6	0.6	0.6	0.9	0.6
	ANNUAL	1.1	4.7	3.6	1.7	-0.7	0.6	0.4	0.6	3.9	1.0
1996	I	3.2	4.5	1.2	2.4	-0.1	-0.8	-0.8	-0.8	11.8	0.6
	II	3.8	5.5	r1.6	3.0	0.4	-0.7	-1.6	-1.0	13.2	0.6
	III	3.9	5.7	1.7	r3.4	0.7	-0.5	-1.3	-0.7	6.0	0.1
	IV	3.8	6.4	2.5	3.2	0.2	-0.5	-1.4	-0.8	7.8	0.3
	ANNUAL	3.7	5.5	1.8	3.0	0.3	-0.6	-1.3	-0.8	9.6	0.4
1997	I	2.6	6.7	4.0	3.1	0.3	0.4	-0.3	0.2	3.0	0.6
	II	2.4	6.4	3.9	r2.6	0.4	0.1	-0.1	0.1	2.0	0.3
	III	2.6	6.6	3.8	2.7	0.6	0.0	0.0	0.0	6.1	0.8
	IV	2.7	6.4	3.6	3.7	1.9	1.0	-0.5	0.6	0.6	0.6
	ANNUAL	2.6	6.5	3.8	3.0	r0.9	0.4	-0.2	0.2	2.9	0.6
1998	I	3.1	6.0	r2.8	5.1	3.7	2.0	-1.1	1.2	-8.5	-0.1
	II	r3.4	5.9	2.4	5.9	4.4	2.4	-0.8	1.6	-10.7	0.0
	III	3.6	5.7	2.0	6.5	5.0	2.8	-0.6	1.9	-11.8	0.1
	IV	2.9	5.4	r2.5	r5.3	4.0	2.4	1.4	2.1	-13.7	0.1
	ANNUAL	3.2	5.7	2.4	5.7	r4.3	2.4	-0.2	1.7	-11.2	0.0
1999	I	4.2	6.5	r2.2	5.6	4.0	1.4	0.0	1.0	-4.5	0.4
	II	3.7	6.3	2.5	4.5	2.5	0.8	0.6	0.8	-2.2	0.4
	III	2.2	5.3	3.1	3.6	1.3	1.4	1.9	1.5	-9.7	0.2
	IV	3.5	6.0	2.4	4.6	1.9	1.1	1.0	1.1	-6.7	0.2
	ANNUAL	3.4	6.0	2.6	4.6	r2.5	1.2	0.9	1.1	-5.8	0.3
2000	I	3.4	6.1	r2.7	5.8	2.5	2.3	2.8	2.4	-14.1	0.6
	II	3.5	5.5	2.0	6.2	2.9	2.7	3.8	3.0	-13.2	1.1
	III	4.1	5.6	1.4	7.6	4.0	3.3	3.8	3.5	-14.9	1.5
	IV	r3.1	3.7	0.5	7.3	3.8	4.0	4.9	4.3	-21.3	1.6
	ANNUAL	3.6	5.2	r1.6	6.8	3.4	3.1	3.8	3.3	-15.8	1.2

2001	I	r1.8	1.1	-0.6	4.4	1.0	2.6	7.2	3.8	-23.7	1.2
	II	r2.0	0.0	-1.9	r4.9	1.4	2.8	7.8	4.1	-25.0	1.3
	III	1.4	-2.0	-3.3	3.7	1.0	2.3	8.8	4.0	-26.5	1.3
	IV	1.9	-2.7	-4.5	3.7	1.8	1.8	8.6	3.6	-22.2	1.5
	ANNUAL	1.7	-0.9	-2.5	4.1	r1.3	2.4	8.1	3.9	-24.3	1.3
2002	I	3.4	-1.1	-4.4	3.2	2.0	-0.1	4.0	1.0	1.6	1.0
	II	3.8	0.4	-3.2	3.3	2.1	-0.4	1.0	0.0	8.8	0.6
	III	4.3	1.9	-2.3	3.0	1.5	-1.2	-1.1	-1.2	21.4	0.3
	IV	4.1	2.8	-1.2	2.5	0.3	-1.5	-2.5	-1.8	35.5	0.5
	ANNUAL	3.9	1.0	-2.8	3.0	1.4	-0.8	0.3	-0.5	16.0	0.6

See footnotes following Table 6.
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Source: Bureau of Labor Statistics