



For information about
Acting Director
Mary Bohman and the
Bureau, visit the [BEA
Leadership](#) page.

Director's Message

In this issue of the *Survey of Current Business*, we present the 2022 annual updates of the National Economic Accounts (NEAs), which include the National Income and Product Accounts (NIPAs) and the Industry Economic Accounts (IEAs), and the Regional Economic Accounts (REAs). This is the first time the Bureau of Economic Analysis (BEA) produced and published annual updates of the NIPAs, IEAs, and REAs concurrently. Coordinating the annual updates for these three major dimensions of gross domestic product (GDP) provides more consistency across BEA's accounts and gives data users a more complete view of the U.S. economy.

The [annual update of the NEAs](#), which incorporated newly available and revised source data as well as various methodology improvements and updated seasonal adjustment factors, includes GDP, GDP by industry, gross domestic income, and related components for the first quarter of 2017 through the first quarter of 2022. With this update, economic growth from 2016 to 2021 was generally unchanged.

The [annual update of the REAs](#) includes annual estimates of GDP by state, state personal income, and personal consumption expenditures by state, all for 2021, as well as revised statistics for 2017–2020. We also cover the ongoing regional economic recovery from the COVID-19 pandemic.

As is usual in November, we provide our annual guide to the [methodologies and source data for the NIPAs](#), a valuable resource for all users of the statistics. And our monthly “[GDP and the Economy](#)” article looks at the advance estimates for the third quarter of 2022.

Lastly, we highlight [U.S. multinationals' intercompany debt](#) over the past 40 years.

GDP and the Economy

Advance Estimates for the Third Quarter of 2022

Real gross domestic product (GDP) increased at an annual rate of 2.6 percent in the third quarter of 2022, according to the “advance” estimates of the National Income and Product Accounts (NIPAs) (chart 1 and table 1).¹ In the second quarter, real GDP decreased 0.6 percent.

Annual Update of the National Economic Accounts

On September 29, 2022, the Bureau of Economic Analysis (BEA) updated estimates for 2017 through the first quarter of 2022 as part of the 2022 annual update of the National Economic Accounts, which includes the National Income and Product Accounts as well as the Industry Economic Accounts. For more information, refer to “[Information on Updates to the National Economic Accounts](#)” on the BEA website. This issue of the *Survey of Current Business* also includes an article, “The 2022 Annual Update of the National Economic Accounts,” describing the results in detail.

Chart 1. Real GDP: Percent Change from Preceding Quarter

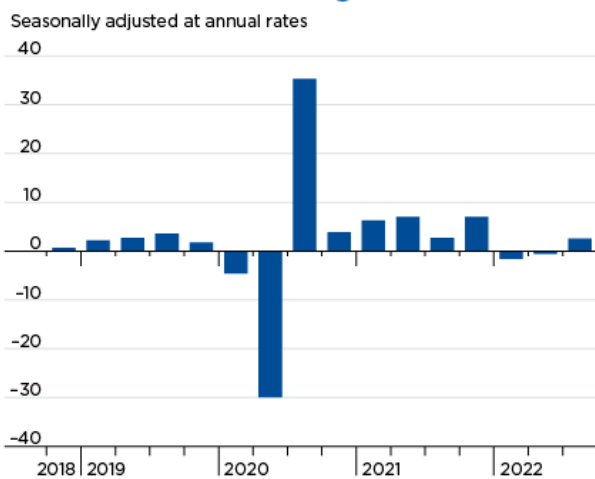
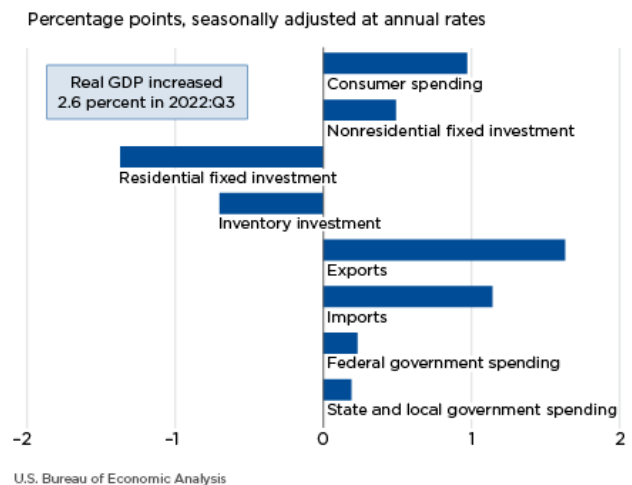


Chart 2. Real GDP: Contributions to the Percent Change in 2022:Q3



The increase in real GDP in the third quarter of 2022 occurred amid continued inflation, a strengthening dollar, low unemployment, supply-chain disruptions, and rising interest rates. The economic effects of these factors cannot be quantified in the GDP estimate for the third quarter of 2022, because the impacts are generally embedded in source data and cannot be separately identified. For more information, refer to the [“Technical Note.”](#)

GDP by Expenditure

Real GDP increased 2.6 percent in the third quarter of 2022, following a decrease of 0.6 percent in the second quarter. The increase in real GDP reflected increases in exports, consumer spending, nonresidential fixed investment, federal government spending, and state and local government spending that were partly offset by decreases in residential fixed investment and inventory investment. Imports, which are a subtraction in the calculation of GDP, decreased (chart 2 and table 1).²

- The increase in exports reflected increases in both goods and services. Within exports of goods, the leading contributors to the increase were industrial supplies and materials (notably, petroleum and products as well as other nondurable goods) and nonautomotive capital goods. Within exports of services, the increase was led by travel and “other” business services (mainly financial services).
- Within consumer spending, an increase in services (led by health care and “other” services) was partly offset by a decrease in goods (led by motor vehicles and parts as well as food and beverages).
- Within nonresidential fixed investment, increases in equipment and intellectual property products were partly offset by a decrease in structures.
- The increase in federal government spending was led by defense spending.
- The increase in state and local government spending primarily reflected an increase in compensation of state and local government employees.
- Within residential fixed investment, the leading contributors to the decrease were new single-family construction and brokers' commissions.
- The decrease in private inventory investment primarily reflected a decrease in retail trade (led by “other” retailers).
- Within imports, a decrease in imports of goods (notably, consumer goods) was partly offset by an increase in imports of services (mainly travel).

Table 1. Real Gross Domestic Product (GDP) and Related Measures

[Seasonally adjusted at annual rates]

Line	Series	Share of current-dollar GDP (percent)	Change from preceding period (percent)					Contribution to percent change in real GDP (percentage points)		
		2022	2021	2022			2021	2022		
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
1	Gross domestic product (GDP)¹	100.0	7.0	-1.6	-0.6	2.6	7.0	-1.6	-0.6	2.6
2	Personal consumption expenditures	68.2	3.1	1.3	2.0	1.4	2.14	0.91	1.38	0.97
3	Goods	23.3	2.3	-0.1	-2.6	-1.2	0.55	-0.02	-0.61	-0.28
4	Durable goods	8.6	5.1	7.6	-2.8	-0.8	0.44	0.64	-0.24	-0.07
5	Nondurable goods	14.7	0.7	-4.4	-2.5	-1.4	0.12	-0.66	-0.37	-0.20
6	Services	44.9	3.5	2.1	4.6	2.8	1.58	0.93	1.99	1.24
7	Gross private domestic investment	17.9	32.0	5.4	-14.1	-8.5	5.14	0.98	-2.83	-1.59
8	Fixed investment	17.5	0.6	4.8	-5.0	-4.9	0.12	0.83	-0.92	-0.89
9	Nonresidential	13.2	1.1	7.9	0.1	3.7	0.17	0.98	0.01	0.49
10	Structures	2.5	-12.7	-4.3	-12.7	-15.3	-0.35	-0.11	-0.34	-0.41
11	Equipment	5.3	1.6	11.4	-2.0	10.8	0.10	0.55	-0.11	0.54
12	Intellectual property products	5.4	8.1	10.8	8.9	6.9	0.42	0.54	0.46	0.36
13	Residential	4.3	-1.1	-3.1	-17.8	-26.4	-0.05	-0.15	-0.93	-1.37
14	Change in private inventories	0.4	---	---	---	---	5.01	0.15	-1.91	-0.70
15	Net exports of goods and services	-3.5	---	---	---	---	-0.16	-3.13	1.16	2.77
16	Exports	11.9	23.5	-4.6	13.8	14.4	2.37	-0.53	1.51	1.63
17	Goods	8.3	23.4	-7.2	15.5	17.2	1.62	-0.58	1.18	1.34
18	Services	3.6	23.6	1.6	9.9	8.3	0.74	0.06	0.33	0.29
19	Imports	15.4	18.6	18.4	2.2	-6.9	-2.53	-2.60	-0.35	1.14
20	Goods	12.7	19.6	20.4	-0.4	-8.7	-2.20	-2.38	0.05	1.20
21	Services	2.7	14.0	9.1	16.6	2.3	-0.33	-0.22	-0.41	-0.06
22	Government consumption expenditures and gross investment	17.4	-1.0	-2.3	-1.6	2.4	-0.16	-0.40	-0.29	0.42
23	Federal	6.5	0.0	-5.3	-3.4	3.7	0.01	-0.36	-0.22	0.23
24	National defense	3.6	-5.3	-8.5	1.4	4.7	-0.20	-0.33	0.05	0.17
25	Nondefense	2.8	7.4	-1.1	-9.2	2.3	0.21	-0.03	-0.28	0.06
26	State and local	11.0	-1.6	-0.4	-0.6	1.7	-0.17	-0.04	-0.06	0.19
Addenda:										
27	Gross domestic income (GDI) ²	---	6.7	0.8	0.1	---	---	---	---	---
28	Average of GDP and GDI	---	6.8	-0.4	-0.3	---	---	---	---	---
29	Final sales of domestic product	---	1.9	-1.8	1.3	3.3	---	---	---	---
30	Goods	31.8	18.6	-5.4	-3.0	8.3	5.52	-1.76	-0.96	2.55
31	Services	59.9	3.2	1.0	3.1	3.1	1.91	0.57	1.83	1.82
32	Structures	8.3	-5.2	-4.9	-15.3	-19.2	-0.47	-0.44	-1.44	-1.80

1. The GDP estimates under the contribution columns are also percent changes.

2. GDI is deflated by the implicit price deflator for GDP.

Note. Percent changes are from National Income and Product Account (NIPA) tables 1.1.1 and 1.2.1, contributions are from NIPA tables 1.1.2 and 1.2.2, and shares are from NIPA table 1.1.10 or are calculated from NIPA table 1.2.5.

The upturn in real GDP, from a decrease of 0.6 percent to an increase of 2.6 percent, primarily reflected a smaller decrease in private inventory investment, an acceleration in nonresidential fixed investment, and an upturn in federal government spending that was partly offset by a larger decrease in residential fixed investment and a deceleration in consumer spending. Imports, which are a subtraction in the calculation of GDP, turned down.

Impact of Hurricane Ian on Third-Quarter 2022 Estimates

Hurricane Ian struck central and southwest Florida on September 28 and South Carolina on September 30, causing extensive wind, flood, and storm surge damage across the southeastern United States. This disaster disrupted usual consumer and business activities and prompted emergency services and remediation activities. These responses to this disaster are included, but not separately identified, in the source data that BEA uses to prepare the estimates of GDP; consequently, it is not possible to estimate the overall impact of Hurricane Ian on third-quarter GDP. The destruction of fixed assets, such as residential and nonresidential structures, does not directly affect GDP or personal income. BEA estimates of disaster losses are presented in [NIPA table 5.1](#), “Saving and Investment by Sector.” BEA’s preliminary estimates show that Hurricane Ian resulted in losses of \$57.0 billion in privately owned fixed assets (\$228.0 billion at an annual rate) and \$3.0 billion in state and local government-owned fixed assets (\$12.0 billion at an annual rate).

BEA also estimates the insurance benefits paid and received because of major disasters. These benefits are recorded on an accrual basis in the quarter in which the disaster occurred and are classified as capital transfers; they do not directly affect the measures of GDP, personal income, or saving. BEA’s preliminary estimates, presented in [NIPA table 5.11U](#), “Capital Transfers Paid and Received, by Sector and by Type,” show domestic insurance companies expect to pay benefits for disaster losses related to Hurricane Ian of \$24.7 billion (\$98.9 billion at an annual rate). The federal government’s National Flood Insurance Program expects to pay an additional \$10.0 billion (\$40.0 billion at an annual rate); Florida’s Citizens Property Insurance Corporation expects to pay \$2.5 billion (\$10.0 billion at an annual rate); and foreign insurance companies expect to pay \$9.1 billion (\$36.3 billion at an annual rate).

For additional information, refer to “[How are the measures of production and income in the national accounts affected by a disaster?](#)” and “[How are the fixed assets accounts \(FAAs\) and consumption of fixed capital \(CFC\) impacted by disasters?](#)”.

Prices

BEA’s featured measure of inflation in the U.S. economy, the price index for gross domestic purchases (goods and services purchased by U.S. residents), increased 4.6 percent in the third quarter after increasing 8.5 percent in the second quarter (table 2 and chart 3). Price increases were widespread across all major expenditure categories and were led by increases in consumer goods and services.

- Within goods, the leading contributors to the price increase were food and beverages for off-premises consumption (groceries), other nondurable goods (led by recreational items, pharmaceutical and other medical products, personal care products, and household supplies), and motor vehicles and parts (mainly new light trucks). These increases were partly offset by a decrease in the prices paid for gasoline and other energy goods (mainly motor vehicle fuels).
- Within services, price increases were widespread across most categories. The leading contributor was housing and utilities (mainly the imputed rental of owner-occupied nonfarm housing). Prices for financial services and insurance decreased, primarily reflecting a decrease in prices paid for portfolio management and investment advice services.

Food prices increased 13.3 percent in the third quarter after increasing 14.7 percent in the second quarter. Prices for energy goods and services decreased 13.1 percent after increasing 53.6 percent. Gross domestic purchases prices excluding food and energy increased 4.8 percent after increasing 6.9 percent.

Consumer prices excluding food and energy, a measure of the “core” rate of inflation, increased 4.5 percent in the third quarter after increasing 4.7 percent in the second quarter.

Chart 3. Prices for Gross Domestic Purchases

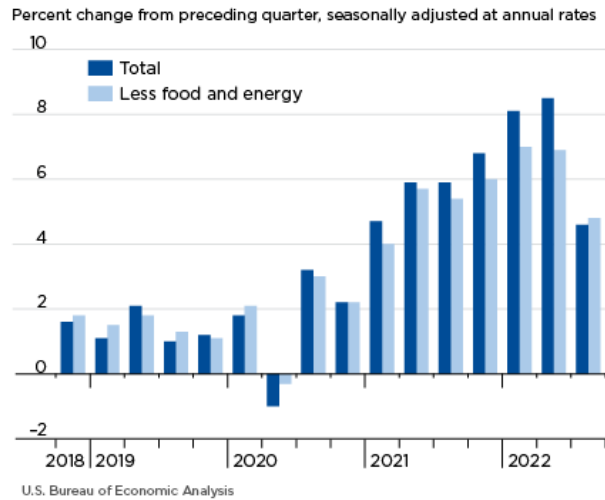


Table 2. Prices for Gross Domestic Purchases

[Percent change at annual rates; based on seasonally adjusted index numbers (2012=100)]

Line	Series	Change from preceding period (percent)				Contribution to percent change in gross domestic purchases prices (percentage points)			
		2021	2022			2021	2022		
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
1	Gross domestic purchases¹	6.8	8.1	8.5	4.6	6.8	8.1	8.5	4.6
2	Personal consumption expenditures	6.2	7.5	7.3	4.2	4.10	4.90	4.81	2.76
3	Goods	9.3	12.6	10.6	2.8	2.06	2.76	2.37	0.64
4	Durable goods	8.2	8.3	2.4	3.5	0.68	0.70	0.22	0.29
5	Nondurable goods	9.9	15.2	15.7	2.3	1.38	2.07	2.15	0.35
6	Services	4.6	4.9	5.6	4.9	2.04	2.13	2.44	2.12
7	Gross private domestic investment	8.8	9.9	9.9	7.4	1.49	1.77	1.76	1.27
8	Fixed investment	8.8	10.0	10.3	7.6	1.48	1.68	1.72	1.26
9	Nonresidential	7.7	6.9	8.5	7.4	0.94	0.87	1.06	0.91
10	Structures	22.8	16.7	17.5	19.9	0.52	0.39	0.40	0.44
11	Equipment	6.5	7.6	9.2	5.7	0.31	0.38	0.45	0.29
12	Intellectual property products	2.1	1.9	3.9	3.6	0.11	0.10	0.20	0.19
13	Residential	12.0	18.9	15.2	8.3	0.54	0.82	0.66	0.35
14	Change in private inventories	---	---	---	---	0.01	0.09	0.03	0.00
15	Government consumption expenditures and gross investment	7.2	8.7	11.6	3.2	1.22	1.45	1.90	0.54
16	Federal	4.3	5.7	6.0	4.8	0.28	0.36	0.38	0.30
17	National defense	4.5	6.6	7.5	2.6	0.16	0.23	0.26	0.09
18	Nondefense	4.2	4.5	4.1	7.8	0.12	0.13	0.12	0.21
19	State and local	9.0	10.6	15.0	2.2	0.94	1.09	1.52	0.24
Addenda:									
Gross domestic purchases:									
20	Food	8.8	11.2	14.7	13.3	0.42	0.54	0.68	0.60
21	Energy goods and services	33.8	43.6	53.6	-13.1	0.80	1.07	1.37	-0.43
22	Excluding food and energy	6.0	7.0	6.9	4.8	5.59	6.51	6.41	4.40
Personal consumption expenditures:									
23	Food and beverages purchased for off-premises consumption	8.7	11.4	15.3	13.0	---	---	---	---
24	Energy goods and services	33.9	43.4	52.7	-13.1	---	---	---	---
25	Excluding food and energy	4.8	5.6	4.7	4.5	---	---	---	---
26	Gross domestic product	6.8	8.3	9.0	4.1	---	---	---	---
27	Exports of goods and services	6.2	17.3	20.0	-10.2	---	---	---	---
28	Imports of goods and services	6.3	13.5	13.2	-4.0	---	---	---	---

1. The estimated prices for gross domestic purchases under the contribution columns are also percent changes.

Note. Most percent changes are from NIPA table 1.6.7; percent changes for personal consumption expenditures (PCE) for food and energy goods and services and for PCE excluding food and energy are from NIPA table 2.3.7. Contributions are from NIPA table 1.6.8. GDP, export, and import prices are from NIPA table 1.1.7.

Note on Prices

BEA's gross domestic purchases price index is the most comprehensive index of prices paid by U.S. residents for all goods and services, regardless of whether those goods and services were produced domestically or imported. It is derived from the prices of personal consumption expenditures (PCE), private investment, and government consumption expenditures and gross investment.

The GDP price index measures the prices of goods and services produced in the United States, including the prices of goods and services produced for export. The difference between the gross domestic purchases price index and the GDP price index reflects the differences between imports prices (included in the gross domestic purchases index) and exports prices (included in the GDP price index). For other measures that are affected by import and export prices, see the FAQ "[How do the effects of dollar depreciation show up in the GDP accounts?](#)" on BEA's website.

BEA also produces price indexes for all the components of GDP. The PCE price index is a measure of the total cost of consumer goods and services, including durable goods, nondurable goods, and services. PCE prices for food, for energy goods and services, and for all items except food and energy are also estimated and reported.

Because prices for food and for energy can be volatile, the price measure that excludes food and energy is often used as a measure of underlying, or "core," inflation. The core PCE price index includes purchased meals and beverages, such as restaurant meals and pet food. (See "[What is the core PCE price index?](#)" on BEA's website.)

BEA also prepares a supplemental PCE price index, the "market-based" PCE price index, that is based on market transactions for which there are corresponding price measures. This index excludes many imputed expenditures, such as financial services furnished without payment, that are included in PCE and in the PCE price index. BEA also prepares a market-based measure that excludes food and energy.

Personal Income

Measured in current dollars, personal income increased \$291.2 billion in the third quarter, compared to an increase of \$305.7 billion in the second quarter (table 3). The increase in personal income primarily reflected increases in compensation (led by increases in both private and government wages and salaries) and personal income receipts on assets.

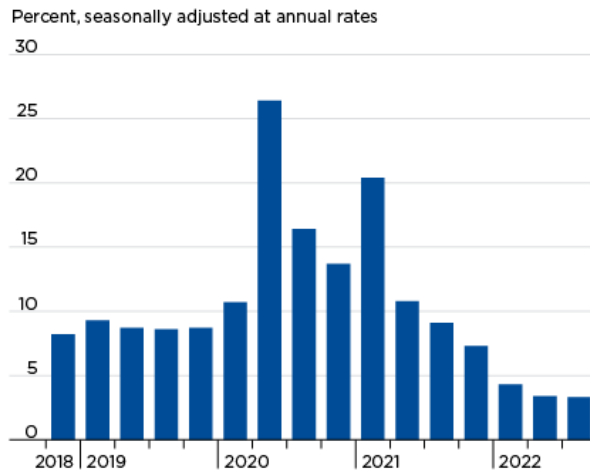
Personal current taxes increased \$22.9 billion in the third quarter after increasing \$52.4 billion in the second quarter.

Disposable personal income (DPI) increased \$268.3 billion, or 6.0 percent, in the third quarter after increasing \$253.3 billion, or 5.7 percent, in the second quarter. Personal outlays increased \$271.3 billion after increasing \$409.2 billion in the second quarter.

The personal saving rate (chart 4)—personal saving as a percentage of DPI—was 3.3 percent in the third quarter, compared with 3.4 percent in the second quarter.

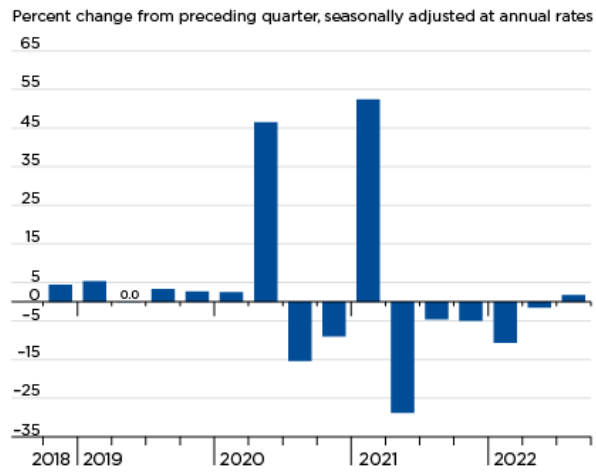
Real DPI (chart 5) increased 1.7 percent in the third quarter after decreasing 1.5 percent in the second quarter.

Chart 4. Personal Saving Rate



Note. The personal saving rate is personal saving as a percentage of disposable personal income.
U.S. Bureau of Economic Analysis

Chart 5. Real Disposable Personal Income



U.S. Bureau of Economic Analysis

Table 3. Personal Income and Its Disposition

[Billions of dollars; quarterly estimates are seasonally adjusted at annual rates]

Line	Series	Level		Change from preceding period			
		2022		2021	2022		
		Q2	Q3	Q4	Q1	Q2	Q3
1	Personal income	21,625.5	21,916.8	156.9	157.7	305.7	291.2
2	Compensation of employees	13,469.0	13,696.5	363.1	215.4	209.2	227.6
3	Wages and salaries	11,108.4	11,307.0	326.1	177.1	182.9	198.5
4	Private industries	9,508.1	9,687.9	317.5	162.1	170.3	179.8
5	Goods-producing industries	1,733.4	1,760.3	56.7	39.9	28.0	26.9
6	Manufacturing	1,023.3	1,035.4	34.4	19.9	10.0	12.1
7	Services-producing industries	7,774.7	7,927.6	260.8	122.2	142.3	152.9
8	Trade, transportation, and utilities	1,720.1	1,739.6	54.8	29.0	23.1	19.4
9	Other services-producing industries	6,054.5	6,188.0	206.1	93.2	119.2	133.4
10	Government	1,600.4	1,619.1	8.6	15.0	12.6	18.7
11	Supplements to wages and salaries	2,360.5	2,389.6	37.0	38.3	26.3	29.1
12	Proprietors' income with IVA and CCAAdj	1,835.4	1,859.5	-2.9	21.7	23.9	24.1
13	Farm	95.7	95.7	-19.9	30.5	21.3	0.0
14	Nonfarm	1,739.7	1,763.8	17.0	-8.9	2.7	24.1
15	Rental income of persons with CCAAdj	775.9	794.5	16.9	5.3	31.0	18.6
16	Personal income receipts on assets	3,323.0	3,373.0	35.5	11.4	53.2	50.0
17	Personal interest income	1,708.6	1,743.0	1.8	13.3	37.8	34.4
18	Personal dividend income	1,614.4	1,630.1	33.7	-1.9	15.4	15.6
19	Personal current transfer receipts	3,883.2	3,882.0	-213.9	-57.0	14.5	-1.2
20	Government social benefits to persons	3,809.1	3,812.2	-211.8	-54.9	11.5	3.0
21	Social security	1,206.9	1,213.9	9.7	72.2	8.2	7.0
22	Medicare	911.8	920.3	10.4	8.0	3.8	8.5
23	Medicaid	789.5	799.4	-3.2	18.1	26.4	10.0
24	Unemployment insurance	18.6	18.6	-211.4	-10.2	-5.0	0.0
25	Veterans' benefits	159.7	161.7	1.3	1.3	2.1	2.0
26	Other	722.7	698.3	-18.8	-144.3	-23.9	-24.4
27	Other current transfer receipts, from business (net)	74.1	69.8	-2.0	-2.1	3.0	-4.2
28	<i>Less:</i> Contributions for government social insurance	1,660.9	1,688.8	41.8	38.9	26.1	27.9
29	<i>Less:</i> Personal current taxes	3,197.9	3,220.8	112.8	339.4	52.4	22.9
30	<i>Equals:</i> Disposable personal income (DPI)	18,427.6	18,696.0	44.0	-181.7	253.3	268.3
31	<i>Less:</i> Personal outlays	17,798.7	18,069.9	376.0	370.5	409.2	271.3
32	Personal consumption expenditures	17,261.3	17,500.3	370.7	356.8	386.6	239.0
33	Personal interest payments ¹	313.1	344.8	1.6	10.7	19.6	31.8
34	Personal current transfer payments	224.2	224.7	3.7	3.0	3.0	0.5
35	<i>Equals:</i> Personal saving	629.0	626.1	-332.0	-552.2	-155.9	-2.9
36	Personal saving as a percentage of DPI	3.4	3.3	---	---	---	---
Addenda:							
Percent change at annual rate							
37	Current-dollar DPI	---	---	1.0	-3.9	5.7	6.0
38	Real DPI, chained (2012) dollars	---	---	-4.9	-10.6	-1.5	1.7
The effects of selected federal pandemic response programs on personal income (billions of dollars)							
In farm proprietors' income with IVA and CCAAdj:							
39	Coronavirus Food Assistance Program ²	0.0	0.0	-7.4	-0.6	-0.6	0.0
40	Paycheck Protecton Program loans to businesses ³	0.0	0.0	-6.5	-0.7	0.0	0.0
In nonfarm proprietors' income with IVA and CCAAdj:							
41	Paycheck Protecton Program loans to businesses ³	0.0	0.0	-134.1	-22.8	0.0	0.0
In government social benefits to persons, Medicare:							
42	Increase in Medicare reimbursement rates ⁴	7.9	0.0	0.2	0.1	-7.9	-7.9

Line	Series	Level		Change from preceding period			
		2022		2021	2022		
		Q2	Q3	Q4	Q1	Q2	Q3
	In government social benefits to persons, Unemployment insurance ⁵ :						
43	Extended Unemployment Benefits	0.1	0.0	-1.2	-0.4	-0.1	0.0
44	Pandemic Emergency Unemployment Compensation	0.5	0.3	-48.9	-2.0	-0.3	-0.2
45	Pandemic Unemployment Assistance	0.4	0.2	-41.4	-1.3	-0.4	-0.2
46	Pandemic Unemployment Compensation Payments	0.0	0.0	-110.5	0.0	0.0	0.0
	In government social benefits to persons, other:						
47	Child tax credit ⁶	94.3	94.3	4.2	-129.7	0.0	0.0
48	Economic impact payments ⁷	0.0	0.0	-24.7	-14.2	0.0	0.0
49	Lost wages supplemental payments ⁸	0.0	0.0	-0.1	0.0	0.0	0.0
50	Paycheck Protection Program loans to NPISH ³	0.0	0.0	-17.2	-1.6	0.0	0.0
51	Provider Relief Fund to NPISH ⁹	20.0	8.1	13.5	-5.4	-6.9	-11.9
	In personal outlays, personal interest payments:						
52	Student loan forbearance ¹⁰	-37.8	-37.8	0.0	0.0	0.0	0.0

CCAdj Capital consumption adjustment

IVA Inventory valuation adjustment

1. Consists of nonmortgage interest paid by households. Note that mortgage interest paid by households is an expense item in the calculation of rental income of persons.
2. The Coronavirus Food Assistance Program, initially established by the Coronavirus Aid, Relief and Economic Security Act (CARES), provides direct support to farmers and ranchers where prices and market supply chains have been impacted by the COVID-19 pandemic.
3. The Paycheck Protection Program, initially established by the CARES Act, provides forgivable loans to help small businesses and nonprofit institutions make payroll and cover other expenses. It also provides funding to reimburse private lending institutions for the costs of administering these loans. For more information, see "[How does the Paycheck Protection Program impact the national income and product accounts \(NIPAs\)?](#)".
4. A 2 percent reduction in reimbursements paid to Medicare service providers that went into effect in 2013 was initially suspended by the CARES Act. The resulting increased reimbursement rates went into effect beginning on May 1, 2020.
5. Unemployment insurance benefits were expanded through several programs that were initially established through the CARES Act. For more information, see "[How will the expansion of unemployment benefits in response to the COVID-19 pandemic be recorded in the NIPAs?](#)".
6. The American Rescue Plan increased the Child Tax Credit to \$3,000 per child over the age of six and \$3,600 for children under the age of six, and raised the age limit from 16 to 17. It also authorized that up to half of these credits could be distributed through advance payments during the tax year, while the rest would be claimed when parents file tax returns the following year.
7. Economic impact payments, initially established by the CARES Act, provide direct payments to individuals. For more information, see "[How are the economic impact payments to support individuals during the COVID-19 pandemic recorded in the NIPAs?](#)".
8. The Federal Emergency Management Agency (FEMA) was authorized to make payments from the Disaster Relief Fund to supplement wages lost as a result of the COVID-19 pandemic.
9. The Department of Health and Human Services distributes money from the Provider Relief Fund to hospitals and health care providers on the front lines of the coronavirus response. This funding supports health care-related expenses or lost revenue attributable to COVID-19 and ensures uninsured Americans can get treatment for COVID-19. In the NIPAs, funds provided to nonprofit hospitals are recorded as social benefits.
10. Interest payments due on certain categories of federally-held student loans were initially suspended by the CARES Act. For more information, see "[How does the federal response to the COVID-19 affect BEA's estimate of personal interest payments?](#)".

Note. Dollar levels and percent changes are from NIPA tables 2.1 and 2.2B.

Information on Key Source Data, Assumptions, and Methodologies

A comprehensive table that presents the “[Key Source Data and Assumptions](#)” that are used to prepare each vintage of the estimate of GDP for the current quarter is available on BEA's website. For the advance estimates that are released near the end of the month after the close of the quarter, the table shows the months of source data for the quarter that are available; for most components of GDP, 3 months of data are available. For the components for which only 2 months of source data are available, BEA's assumptions for the third month are shown. Second estimates are released near the end of the second month after the close of the quarter, and third estimates are released near the end of the third month after the close of the quarter. With each vintage, the table is updated to add newly available and revised source data that have been incorporated into the estimates.

For additional details about the source data and the methodologies that are used to prepare the estimates, see “[Concepts and Methods of the U.S. National Income and Product Accounts](#)” on BEA's website.

1. “Real” estimates are in chained (2012) dollars, and price indexes are chain-type measures. Each GDP estimate for a quarter (advance, second, and third) incorporates increasingly comprehensive and improved source data; for more information, see “[The Revisions to GDP, GDI, and Their Major Components](#)” in the January 2021 *Survey of Current Business*. Quarterly estimates are expressed at seasonally adjusted annual rates, which reflect a rate of activity for a quarter as if it were maintained for a year.
2. In this article, “consumer spending” refers to “personal consumption expenditures,” “inventory investment” refers to “change in private inventories,” and “government spending” refers to “government consumption expenditures and gross investment.”

Table 1.1.1. Percent Change From Preceding Period in Real Gross Domestic Product

[Percent] Seasonally adjusted at annual rates

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Personal consumption expenditures	-3.0	8.3	3.0	3.1	1.3	2.0	1.4
3	Goods	5.2	12.2	-7.9	2.3	-0.1	-2.6	-1.2
4	Durable goods	10.0	18.5	-22.0	5.1	7.6	-2.8	-0.8
5	Nondurable goods	2.7	8.8	1.7	0.7	-4.4	-2.5	-1.4
6	Services	-6.6	6.3	9.2	3.5	2.1	4.6	2.8
7	Gross private domestic investment	-5.3	9.0	10.4	32.0	5.4	-14.1	-8.5
8	Fixed investment	-2.3	7.4	-1.1	0.6	4.8	-5.0	-4.9
9	Nonresidential	-4.9	6.4	0.6	1.1	7.9	0.1	3.7
10	Structures	-10.1	-6.4	-6.7	-12.7	-4.3	-12.7	-15.3
11	Equipment	-10.5	10.3	-2.2	1.6	11.4	-2.0	10.8
12	Intellectual property products	4.8	9.7	7.4	8.1	10.8	8.9	6.9
13	Residential	7.2	10.7	-5.8	-1.1	-3.1	-17.8	-26.4
14	Change in private inventories	---	---	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---	---	---
16	Exports	-13.2	6.1	-1.1	23.5	-4.6	13.8	14.4
17	Goods	-10.1	7.4	-3.7	23.4	-7.2	15.5	17.2
18	Services	-18.8	3.3	4.7	23.6	1.6	9.9	8.3
19	Imports	-9.0	14.1	6.6	18.6	18.4	2.2	-6.9
20	Goods	-5.8	14.5	0.2	19.6	20.4	-0.4	-8.7
21	Services	-22.0	12.3	45.3	14.0	9.1	16.6	2.3
22	Government consumption expenditures and gross investment	2.6	0.6	-0.2	-1.0	-2.3	-1.6	2.4
23	Federal	6.2	2.3	-7.2	0.0	-5.3	-3.4	3.7
24	National defense	2.9	-1.2	-3.2	-5.3	-8.5	1.4	4.7
25	Nondefense	11.2	7.3	-12.1	7.4	-1.1	-9.2	2.3
26	State and local	0.4	-0.5	4.5	-1.6	-0.4	-0.6	1.7
	Addendum:							
27	Gross domestic product, current dollars	-1.5	10.7	9.0	14.3	6.6	8.5	6.7

Table 1.1.2. Contributions to Percent Change in Real Gross Domestic Product

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Percent change at annual rate:							
1	Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
	Percentage points at annual rates:							
2	Personal consumption expenditures	-2.01	5.54	1.98	2.14	0.91	1.38	0.97
3	Goods	1.07	2.72	-1.96	0.55	-0.02	-0.61	-0.28
4	Durable goods	0.70	1.46	-2.22	0.44	0.64	-0.24	-0.07
5	Nondurable goods	0.37	1.26	0.26	0.12	-0.66	-0.37	-0.20
6	Services	-3.08	2.83	3.94	1.58	0.93	1.99	1.24
7	Gross private domestic investment	-0.95	1.55	1.78	5.14	0.98	-2.83	-1.59
8	Fixed investment	-0.40	1.30	-0.18	0.12	0.83	-0.92	-0.89
9	Nonresidential	-0.67	0.83	0.10	0.17	0.98	0.01	0.49
10	Structures	-0.32	-0.19	-0.18	-0.35	-0.11	-0.34	-0.41
11	Equipment	-0.59	0.52	-0.09	0.10	0.55	-0.11	0.54
12	Intellectual property products	0.23	0.50	0.38	0.42	0.54	0.46	0.36
13	Residential	0.28	0.47	-0.29	-0.05	-0.15	-0.93	-1.37
14	Change in private inventories	-0.55	0.24	1.96	5.01	0.15	-1.91	-0.70
15	Net exports of goods and services	-0.26	-1.25	-1.08	-0.16	-3.13	1.16	2.77
16	Exports	-1.54	0.64	-0.13	2.37	-0.53	1.51	1.63
17	Goods	-0.76	0.52	-0.28	1.62	-0.58	1.18	1.34
18	Services	-0.78	0.12	0.15	0.74	0.06	0.33	0.29
19	Imports	1.28	-1.89	-0.95	-2.53	-2.60	-0.35	1.14
20	Goods	0.67	-1.61	-0.05	-2.20	-2.38	0.05	1.20
21	Services	0.61	-0.28	-0.90	-0.33	-0.22	-0.41	-0.06
22	Government consumption expenditures and gross investment	0.45	0.11	-0.02	-0.16	-0.40	-0.29	0.42
23	Federal	0.41	0.17	-0.51	0.01	-0.36	-0.22	0.23
24	National defense	0.12	-0.05	-0.12	-0.20	-0.33	0.05	0.17
25	Nondefense	0.30	0.22	-0.39	0.21	-0.03	-0.28	0.06
26	State and local	0.04	-0.06	0.49	-0.17	-0.04	-0.06	0.19

Table 1.1.3. Real Gross Domestic Product, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.875	120.646	121.033	123.085	122.580	122.403	123.180
2	Personal consumption expenditures	114.966	124.501	125.590	126.560	126.984	127.627	128.076
3	Goods	136.231	152.895	152.144	153.027	152.999	152.007	151.560
4	Durable goods	167.290	198.281	192.791	195.202	198.832	197.444	197.029
5	Nondurable goods	122.988	133.793	134.969	135.220	133.713	132.884	132.429
6	Services	106.119	112.841	114.639	115.637	116.240	117.545	118.357
7	Gross private domestic investment	126.117	137.427	136.704	146.534	148.469	142.919	139.798
8	Fixed investment	130.437	140.152	140.407	140.606	142.269	140.439	138.672
9	Nonresidential	125.842	133.837	134.629	135.009	137.598	137.620	138.887
10	Structures	106.451	99.602	99.400	96.089	95.031	91.848	88.105
11	Equipment	112.598	124.245	124.782	125.277	128.701	128.040	131.352
12	Intellectual property products	160.323	175.850	177.821	181.299	186.008	190.019	193.225
13	Residential	150.421	166.518	164.861	164.420	163.129	155.308	143.862
14	Change in private inventories	---	---	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---	---	---
16	Exports	100.631	106.722	105.462	111.181	109.886	113.493	117.384
17	Goods	105.236	113.031	111.241	117.255	115.075	119.306	124.123
18	Services	92.401	95.472	95.150	100.322	100.715	103.116	105.198
19	Imports	113.903	130.002	130.223	135.893	141.755	142.543	140.006
20	Goods	119.683	137.054	135.873	142.077	148.812	148.673	145.319
21	Services	90.609	101.710	107.236	110.797	113.227	117.665	118.338
22	Government consumption expenditures and gross investment	108.615	109.239	109.073	108.812	108.191	107.748	108.396
23	Federal	105.584	108.042	106.554	106.564	105.126	104.222	105.161
24	National defense	98.399	97.195	96.969	95.658	93.559	93.893	94.987
25	Nondefense	117.720	126.262	122.667	124.879	124.542	121.559	122.239
26	State and local	110.760	110.188	110.879	110.446	110.341	110.183	110.651

Table 1.1.4. Price Indexes for Gross Domestic Product

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.814	118.924	119.763	121.758	124.209	126.914	128.188
2	Personal consumption expenditures	111.145	115.621	116.413	118.173	120.323	122.459	123.719
3	Goods	94.237	98.824	99.688	101.923	104.987	107.670	108.404
4	Durable goods	86.032	90.809	92.198	94.029	95.926	96.508	97.334
5	Nondurable goods	98.585	103.001	103.491	105.969	109.779	113.862	114.522
6	Services	120.133	124.458	125.185	126.607	128.126	129.875	131.448
7	Gross private domestic investment	110.342	114.329	114.847	117.292	120.103	122.982	125.205
8	Fixed investment	111.179	115.608	116.290	118.771	121.640	124.647	126.956
9	Nonresidential	104.948	106.688	106.818	108.811	110.646	112.932	114.964
10	Structures	120.380	125.276	125.729	132.340	137.535	143.194	149.840
11	Equipment	97.340	97.726	97.577	99.125	100.963	103.211	104.663
12	Intellectual property products	105.183	106.913	107.156	107.721	108.238	109.282	110.261
13	Residential	138.622	153.963	156.862	161.384	168.513	174.587	178.088
14	Change in private inventories	---	---	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---	---	---
16	Exports	96.278	107.304	109.210	110.868	115.384	120.763	117.574
17	Goods	88.217	100.726	102.957	104.713	110.259	116.969	112.446
18	Services	114.594	121.500	122.514	123.891	125.645	127.485	127.850
19	Imports	88.010	94.481	95.510	96.977	100.107	103.266	102.222
20	Goods	83.963	90.511	91.512	92.989	96.410	99.594	98.191
21	Services	109.342	114.972	116.132	117.491	118.665	121.523	122.673
22	Government consumption expenditures and gross investment	115.329	121.436	122.268	124.423	127.043	130.566	131.589
23	Federal	111.898	115.724	116.325	117.568	119.203	120.951	122.388
24	National defense	110.148	114.240	114.838	116.100	117.965	120.108	120.885
25	Nondefense	114.640	118.111	118.718	119.938	121.279	122.515	124.838
26	State and local	117.568	125.206	126.195	128.957	132.234	136.930	137.680

Table 1.1.5. Gross Domestic Product

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	21,060.5	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,663.3
2	Personal consumption expenditures	14,116.2	15,902.6	16,147.3	16,518.0	16,874.8	17,261.3	17,500.3
3	Goods	4,670.1	5,496.5	5,517.1	5,673.7	5,843.2	5,953.6	5,976.6
4	Durable goods	1,646.8	2,060.2	2,035.0	2,101.6	2,183.9	2,181.8	2,195.8
5	Nondurable goods	3,023.3	3,436.3	3,482.2	3,572.1	3,659.3	3,771.9	3,780.8
6	Services	9,446.0	10,406.1	10,630.2	10,844.3	11,031.6	11,307.7	11,523.8
7	Gross private domestic investment	3,642.9	4,113.5	4,109.1	4,499.2	4,671.0	4,609.9	4,590.2
8	Fixed investment	3,698.7	4,132.6	4,164.3	4,259.2	4,413.6	4,464.6	4,490.1
9	Nonresidential	2,797.9	3,025.0	3,046.3	3,111.8	3,225.0	3,292.2	3,382.3
10	Structures	614.4	598.2	599.7	610.3	627.3	631.2	633.6
11	Equipment	1,077.8	1,194.0	1,197.3	1,221.2	1,277.8	1,299.5	1,351.9
12	Intellectual property products	1,105.7	1,232.7	1,249.2	1,280.4	1,319.9	1,361.4	1,396.8
13	Residential	900.8	1,107.6	1,118.0	1,147.3	1,188.6	1,172.4	1,107.8
14	Change in private inventories	-55.8	-19.1	-55.2	240.0	257.4	145.4	100.2
15	Net exports of goods and services	-627.5	-861.7	-889.1	-914.7	-1,116.7	-1,035.6	-901.4
16	Exports	2,148.6	2,539.6	2,553.3	2,733.0	2,811.2	3,038.8	3,060.0
17	Goods	1,420.0	1,741.5	1,751.6	1,878.2	1,940.9	2,134.7	2,135.0
18	Services	728.6	798.2	801.8	854.9	870.4	904.2	925.1
19	Imports	2,776.1	3,401.4	3,442.5	3,647.7	3,927.9	4,074.4	3,961.4
20	Goods	2,304.5	2,844.7	2,850.5	3,029.0	3,289.3	3,394.8	3,271.4
21	Services	471.6	556.7	592.0	618.7	638.6	679.6	690.0
22	Government consumption expenditures and gross investment	3,928.9	4,160.7	4,183.1	4,246.7	4,311.4	4,412.8	4,474.1
23	Federal	1,520.6	1,609.2	1,595.5	1,612.8	1,613.1	1,622.7	1,656.8
24	National defense	882.4	904.0	906.8	904.4	898.7	918.3	935.0
25	Nondefense	638.1	705.1	688.8	708.4	714.4	704.4	721.8
26	State and local	2,408.3	2,551.6	2,587.6	2,633.9	2,698.2	2,790.0	2,817.3

Table 1.1.6. Real Gross Domestic Product, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Personal consumption expenditures	12,700.7	13,754.1	13,874.4	13,981.5	14,028.4	14,099.5	14,149.0
3	Goods	4,955.7	5,561.9	5,534.6	5,566.7	5,565.7	5,529.6	5,513.4
4	Durable goods	1,914.2	2,268.8	2,206.0	2,233.5	2,275.1	2,259.2	2,254.4
5	Nondurable goods	3,066.7	3,336.2	3,365.5	3,371.7	3,334.1	3,313.5	3,302.1
6	Services	7,863.0	8,361.1	8,494.3	8,568.2	8,613.0	8,709.6	8,769.8
7	Gross private domestic investment	3,306.5	3,603.0	3,584.1	3,841.8	3,892.5	3,747.0	3,665.2
8	Fixed investment	3,326.8	3,574.6	3,581.1	3,586.2	3,628.6	3,581.9	3,536.9
9	Nonresidential	2,666.0	2,835.4	2,852.2	2,860.2	2,915.0	2,915.5	2,942.4
10	Structures	510.4	477.5	476.6	460.7	455.6	440.4	422.4
11	Equipment	1,107.3	1,221.8	1,227.1	1,232.0	1,265.7	1,259.1	1,291.7
12	Intellectual property products	1,051.2	1,153.0	1,166.0	1,188.8	1,219.6	1,245.9	1,267.0
13	Residential	649.8	719.4	712.2	710.3	704.7	671.0	621.5
14	Change in private inventories	-54.6	-19.4	-48.6	197.6	214.5	110.2	61.9
15	Net exports of goods and services	-922.6	-1,233.4	-1,267.5	-1,297.6	-1,488.7	-1,430.5	-1,274.0
16	Exports	2,231.7	2,366.8	2,338.8	2,465.7	2,436.9	2,516.9	2,603.2
17	Goods	1,609.7	1,728.9	1,701.5	1,793.5	1,760.2	1,824.9	1,898.6
18	Services	635.8	656.9	654.7	690.3	693.0	709.5	723.9
19	Imports	3,154.3	3,600.2	3,606.3	3,763.3	3,925.6	3,947.5	3,877.2
20	Goods	2,744.6	3,143.0	3,115.9	3,258.2	3,412.7	3,409.5	3,332.5
21	Services	431.3	484.2	510.5	527.5	539.0	560.1	563.4
22	Government consumption expenditures and gross investment	3,406.7	3,426.3	3,421.0	3,412.9	3,393.4	3,379.5	3,399.8
23	Federal	1,358.9	1,390.5	1,371.4	1,371.5	1,353.0	1,341.3	1,353.4
24	National defense	801.1	791.3	789.5	778.8	761.7	764.5	773.4
25	Nondefense	556.6	597.0	580.0	590.5	588.9	574.8	578.0
26	State and local	2,048.5	2,037.9	2,050.7	2,042.7	2,040.7	2,037.8	2,046.5
27	Residual	-74.6	-93.5	-76.5	-66.8	-51.1	-55.4	-93.5

Legend / Footnotes:

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 1.1.7. Percent Change From Preceding Period in Prices for Gross Domestic Product

[Percent] Seasonally adjusted at annual rates

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	1.3	4.5	6.2	6.8	8.3	9.0	4.1
2	Personal consumption expenditures	1.1	4.0	5.6	6.2	7.5	7.3	4.2
3	Goods	-0.7	4.9	7.6	9.3	12.6	10.6	2.8
4	Durable goods	-0.9	5.6	10.0	8.2	8.3	2.4	3.5
5	Nondurable goods	-0.7	4.5	6.1	9.9	15.2	15.7	2.3
6	Services	2.0	3.6	4.6	4.6	4.9	5.6	4.9
7	Gross private domestic investment	1.3	3.6	6.8	8.8	9.9	9.9	7.4
8	Fixed investment	1.4	4.0	7.3	8.8	10.0	10.3	7.6
9	Nonresidential	0.8	1.7	4.6	7.7	6.9	8.5	7.4
10	Structures	1.3	4.1	10.2	22.8	16.7	17.5	19.9
11	Equipment	-0.5	0.4	4.3	6.5	7.6	9.2	5.7
12	Intellectual property products	1.8	1.6	2.3	2.1	1.9	3.9	3.6
13	Residential	3.3	11.1	15.0	12.0	18.9	15.2	8.3
14	Change in private inventories	---	---	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---	---	---
16	Exports	-2.4	11.5	9.3	6.2	17.3	20.0	-10.2
17	Goods	-3.9	14.2	11.1	7.0	22.9	26.7	-14.6
18	Services	0.4	6.0	5.7	4.6	5.8	6.0	1.2
19	Imports	-2.2	7.4	6.1	6.3	13.5	13.2	-4.0
20	Goods	-2.8	7.8	6.1	6.6	15.5	13.9	-5.5
21	Services	0.7	5.1	6.5	4.8	4.1	10.0	3.8
22	Government consumption expenditures and gross investment	1.9	5.3	6.0	7.2	8.7	11.6	3.2
23	Federal	1.1	3.4	4.4	4.3	5.7	6.0	4.8
24	National defense	1.1	3.7	4.4	4.5	6.6	7.5	2.6
25	Nondefense	1.1	3.0	4.4	4.2	4.5	4.1	7.8
26	State and local	2.4	6.5	7.0	9.0	10.6	15.0	2.2
	Addenda:							
27	Gross national product	1.3	4.5	6.2	6.8	8.3	9.0	---
	Implicit price deflators:							
28	Gross domestic product ¹	1.3	4.5	6.2	6.8	8.4	9.1	4.1
29	Gross national product ¹	1.3	4.5	6.2	6.8	8.3	9.1	---

Legend / Footnotes:

1. The percent change for this series is calculated from the implicit price deflator in NIPA table 1.1.9.

Table 1.1.8. Contributions to Percent Change in the Gross Domestic Product Price Index

Seasonally adjusted at annual rates

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Percent change at annual rate:							
1	Gross domestic product	1.3	4.5	6.2	6.8	8.3	9.0	4.1
	Percentage points at annual rates:							
2	Personal consumption expenditures	0.74	2.73	3.85	4.22	5.06	4.98	2.84
3	Goods	-0.16	1.11	1.78	2.13	2.86	2.46	0.65
4	Durable goods	-0.07	0.46	0.88	0.70	0.72	0.22	0.30
5	Nondurable goods	-0.09	0.65	0.89	1.42	2.14	2.24	0.35
6	Services	0.90	1.62	2.08	2.10	2.20	2.52	2.19
7	Gross private domestic investment	0.23	0.63	1.12	1.53	1.83	1.82	1.31
8	Fixed investment	0.24	0.70	1.27	1.52	1.74	1.79	1.30
9	Nonresidential	0.10	0.22	0.59	0.97	0.89	1.10	0.95
10	Structures	0.04	0.11	0.26	0.53	0.40	0.42	0.46
11	Equipment	-0.03	0.02	0.20	0.32	0.39	0.47	0.29
12	Intellectual property products	0.09	0.09	0.12	0.11	0.11	0.21	0.20
13	Residential	0.13	0.48	0.68	0.55	0.84	0.69	0.36
14	Change in private inventories	-0.01	-0.07	-0.15	0.01	0.09	0.03	0.00
15	Net exports of goods and services	0.03	0.16	0.18	-0.18	-0.09	0.23	-0.63
16	Exports	-0.27	1.17	1.01	0.70	1.86	2.20	-1.28
17	Goods	-0.29	0.96	0.82	0.54	1.65	1.98	-1.32
18	Services	0.02	0.21	0.19	0.16	0.20	0.22	0.04
19	Imports	0.31	-1.01	-0.84	-0.88	-1.94	-1.97	0.65
20	Goods	0.32	-0.89	-0.69	-0.76	-1.84	-1.72	0.75
21	Services	-0.02	-0.12	-0.15	-0.12	-0.10	-0.25	-0.10
22	Government consumption expenditures and gross investment	0.34	0.96	1.05	1.26	1.50	1.97	0.56
23	Federal	0.08	0.24	0.30	0.29	0.38	0.39	0.31
24	National defense	0.05	0.15	0.17	0.17	0.24	0.27	0.10
25	Nondefense	0.03	0.09	0.13	0.12	0.13	0.12	0.21
26	State and local	0.26	0.72	0.75	0.97	1.12	1.58	0.25

Table 1.1.9. Implicit Price Deflators for Gross Domestic Product

[Index numbers, 2012=100] Seasonally adjusted

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.784	118.895	119.712	121.708	124.174	126.907	128.177
2	Personal consumption expenditures	111.145	115.621	116.382	118.142	120.290	122.426	123.686
3	Goods	94.237	98.824	99.684	101.921	104.985	107.668	108.402
4	Durable goods	86.032	90.809	92.250	94.092	95.991	96.572	97.399
5	Nondurable goods	98.585	103.001	103.467	105.943	109.752	113.834	114.494
6	Services	120.133	124.458	125.144	126.563	128.081	129.830	131.403
7	Gross private domestic investment	110.176	114.169	114.650	117.112	120.001	123.031	125.240
8	Fixed investment	111.179	115.608	116.284	118.765	121.633	124.641	126.949
9	Nonresidential	104.948	106.688	106.807	108.798	110.633	112.919	114.951
10	Structures	120.380	125.276	125.846	132.480	137.679	143.345	149.998
11	Equipment	97.340	97.726	97.575	99.121	100.959	103.206	104.659
12	Intellectual property products	105.183	106.913	107.143	107.706	108.224	109.268	110.246
13	Residential	138.622	153.963	156.969	161.523	168.658	174.737	178.241
14	Change in private inventories	---	---	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---	---	---
16	Exports	96.278	107.304	109.172	110.844	115.359	120.736	117.548
17	Goods	88.217	100.726	102.939	104.719	110.265	116.976	112.452
18	Services	114.594	121.500	122.459	123.836	125.588	127.428	127.793
19	Imports	88.010	94.478	95.458	96.929	100.058	103.216	102.172
20	Goods	83.963	90.508	91.482	92.965	96.385	99.569	98.166
21	Services	109.342	114.972	115.961	117.308	118.479	121.333	122.481
22	Government consumption expenditures and gross investment	115.329	121.436	122.277	124.432	127.052	130.575	131.598
23	Federal	111.898	115.724	116.348	117.594	119.229	120.978	122.415
24	National defense	110.148	114.240	114.855	116.121	117.986	120.129	120.906
25	Nondefense	114.640	118.111	118.750	119.974	121.316	122.552	124.876
26	State and local	117.568	125.206	126.184	128.944	132.220	136.915	137.666
	Addendum:							
27	Gross national product	113.765	118.871	119.688	121.684	124.147	126.878	---

Table 1.1.10. Percentage Shares of Gross Domestic Product

[Percent]

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	Personal consumption expenditures	67.0	68.2	68.6	67.8	68.2	68.4	68.2
3	Goods	22.2	23.6	23.4	23.3	23.6	23.6	23.3
4	Durable goods	7.8	8.8	8.6	8.6	8.8	8.6	8.6
5	Nondurable goods	14.4	14.7	14.8	14.7	14.8	14.9	14.7
6	Services	44.9	44.6	45.1	44.5	44.6	44.8	44.9
7	Gross private domestic investment	17.3	17.6	17.4	18.5	18.9	18.3	17.9
8	Fixed investment	17.6	17.7	17.7	17.5	17.8	17.7	17.5
9	Nonresidential	13.3	13.0	12.9	12.8	13.0	13.0	13.2
10	Structures	2.9	2.6	2.5	2.5	2.5	2.5	2.5
11	Equipment	5.1	5.1	5.1	5.0	5.2	5.1	5.3
12	Intellectual property products	5.3	5.3	5.3	5.3	5.3	5.4	5.4
13	Residential	4.3	4.8	4.7	4.7	4.8	4.6	4.3
14	Change in private inventories	-0.3	-0.1	-0.2	1.0	1.0	0.6	0.4
15	Net exports of goods and services	-3.0	-3.7	-3.8	-3.8	-4.5	-4.1	-3.5
16	Exports	10.2	10.9	10.8	11.2	11.4	12.0	11.9
17	Goods	6.7	7.5	7.4	7.7	7.8	8.5	8.3
18	Services	3.5	3.4	3.4	3.5	3.5	3.6	3.6
19	Imports	13.2	14.6	14.6	15.0	15.9	16.1	15.4
20	Goods	10.9	12.2	12.1	12.4	13.3	13.4	12.7
21	Services	2.2	2.4	2.5	2.5	2.6	2.7	2.7
22	Government consumption expenditures and gross investment	18.7	17.8	17.8	17.4	17.4	17.5	17.4
23	Federal	7.2	6.9	6.8	6.6	6.5	6.4	6.5
24	National defense	4.2	3.9	3.9	3.7	3.6	3.6	3.6
25	Nondefense	3.0	3.0	2.9	2.9	2.9	2.8	2.8
26	State and local	11.4	10.9	11.0	10.8	10.9	11.1	11.0

Table 1.1.11. Real Gross Domestic Product: Percent Change From Quarter One Year Ago

[Percent]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Gross domestic product (GDP)	5.0	5.7	3.7	1.8	1.8
2	Personal consumption expenditures	7.4	7.2	4.8	2.4	2.0
3	Goods	6.6	7.1	1.3	-2.1	-0.4
4	Durable goods	5.9	7.0	-0.6	-3.7	2.2
5	Nondurable goods	7.0	7.2	2.4	-1.1	-1.9
6	Services	7.8	7.2	6.7	4.8	3.2
7	Gross private domestic investment	5.6	8.6	11.6	7.2	2.3
8	Fixed investment	7.6	3.7	2.5	-0.2	-1.2
9	Nonresidential	7.6	5.0	4.8	2.4	3.2
10	Structures	-1.7	-5.2	-6.6	-9.2	-11.4
11	Equipment	9.4	4.7	6.0	2.0	5.3
12	Intellectual property products	10.9	10.8	9.7	8.8	8.7
13	Residential	7.5	-0.3	-3.7	-7.2	-12.7
14	Change in private inventories	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---
16	Exports	6.6	6.5	5.2	7.3	11.3
17	Goods	5.6	5.1	3.4	6.3	11.6
18	Services	8.8	9.3	9.1	9.6	10.6
19	Imports	13.3	10.1	12.7	11.2	7.5
20	Goods	10.6	8.4	10.7	9.5	7.0
21	Services	28.0	18.8	24.2	20.5	10.4
22	Government consumption expenditures and gross investment	0.7	0.5	-1.6	-1.3	-0.6
23	Federal	0.8	0.4	-4.9	-4.0	-1.3
24	National defense	-1.0	-5.0	-4.9	-3.9	-2.0
25	Nondefense	3.3	8.2	-4.8	-4.1	-0.3
26	State and local	0.7	0.6	0.5	0.5	-0.2
	Addenda:					
27	Final sales of domestic product	5.3	4.8	2.1	0.5	1.2
28	Gross domestic purchases	5.9	6.2	4.8	2.5	1.6
29	Final sales to domestic purchasers	6.2	5.4	3.3	1.3	1.0
30	Final sales to private domestic purchasers ¹	7.4	6.4	4.3	1.8	1.3
31	Gross domestic income (GDI)	6.5	4.1	3.8	3.0	---
32	Average of GDP and GDI ²	5.7	4.9	3.7	2.4	---
33	Gross national product	4.7	5.7	3.6	2.0	---
34	Real disposable personal income	-1.5	-0.4	-12.8	-5.5	-3.9
	Price indexes (chain-type):					
35	Gross domestic purchases	4.7	5.8	6.7	7.3	7.0
36	Gross domestic purchases excluding food and energy ³	4.3	5.3	6.0	6.3	6.2
37	Gross domestic product	5.0	6.1	6.9	7.6	7.0
38	Gross domestic product excluding food and energy ¹	4.5	5.5	6.1	6.4	6.3
39	Personal consumption expenditures	4.5	5.7	6.4	6.6	6.3
40	Personal consumption expenditures excluding food and energy ³	3.9	4.7	5.3	5.0	4.9
41	Market-based PCE ⁴	4.0	5.3	6.3	6.9	6.7
42	Market-based PCE excluding food and energy ⁴	3.2	4.1	5.0	5.0	5.2

Legend / Footnotes:

1. Final sales to domestic purchasers less government consumption expenditures and gross investment.

2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.

3. Food excludes personal consumption expenditures for purchased meals and beverages, which are classified in food services.

4. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Note. Percent changes for real estimates are calculated from corresponding quantity indexes presented in NIPA tables 1.1.3, 1.2.3, 1.4.3, and 1.7.3. Percent changes in price estimates are calculated from corresponding price indexes presented in NIPA tables 1.1.4, 1.6.4, and 2.3.4.

Table 1.2.1. Percent Change From Preceding Period in Real Gross Domestic Product by Major Type of Product

[Percent] Seasonally adjusted at annual rates

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Final sales of domestic product	-2.2	5.7	0.7	1.9	-1.8	1.3	3.3
3	Change in private inventories	---	---	---	---	---	---	---
4	Goods	0.7	9.8	-0.3	18.6	-5.4	-3.0	8.3
5	Final sales	2.6	8.9	-6.1	1.4	-6.1	3.1	10.9
6	Change in private inventories	---	---	---	---	---	---	---
7	Durable goods	-1.2	10.9	-0.9	16.6	0.5	1.3	11.5
8	Final sales	1.8	10.1	-10.2	-1.2	-0.1	1.6	11.2
9	Change in private inventories ¹	---	---	---	---	---	---	---
10	Nondurable goods	3.2	8.3	0.6	21.1	-12.2	-8.0	4.5
11	Final sales	3.6	7.3	-0.5	4.8	-13.0	5.0	10.5
12	Change in private inventories ¹	---	---	---	---	---	---	---
13	Services ²	-4.7	4.7	5.4	3.2	1.0	3.1	3.1
14	Structures	-0.4	1.6	-5.2	-5.2	-4.9	-15.3	-19.2
	Addenda:							
15	Motor vehicle output	-14.1	8.3	-43.5	48.2	-3.6	-3.8	2.5
16	Gross domestic product excluding motor vehicle output	-2.4	5.9	4.2	6.1	-1.6	-0.5	2.6
17	Final sales of computers ³	4.7	4.8	-21.8	-8.9	-22.4	26.7	59.7
18	Gross domestic product excluding final sales of computers	-2.8	6.0	2.8	7.0	-1.5	-0.7	2.4
19	Gross domestic purchases excluding final sales of computers to domestic purchasers	-2.6	7.0	3.7	6.9	1.3	-1.5	-0.6
20	Research and development	4.7	7.6	4.9	6.9	4.1	4.6	4.2
21	Gross domestic product excluding research and development	-3.0	5.9	2.6	7.0	-1.8	-0.8	2.5
22	Final sales of domestic product, current dollars	-0.9	10.5	7.1	8.8	6.4	10.5	7.5

Legend / Footnotes:

1. Prior to 1959, inventories held by construction establishments are included in nondurable goods. Beginning with 1959, these inventories are included in durable goods. Estimates for durable goods and nondurable goods for 1996 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).

2. Includes government consumption expenditures, which are for services (such as education and national defense) produced by government. In current dollars, these services are valued at their cost of production.

3. Some components of final sales of computers include computer parts.

Table 1.2.2. Contributions to Percent Change in Real Gross Domestic Product by Major Type of Product

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Percent change at annual rate: Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Percentage points at annual rates: Final sales of domestic product	-2.22	5.71	0.69	1.94	-1.78	1.33	3.27
3	Change in private inventories	-0.55	0.24	1.96	5.01	0.15	-1.91	-0.70
4	Goods	0.20	2.94	-0.02	5.52	-1.76	-0.96	2.55
5	Final sales	0.75	2.70	-1.98	0.50	-1.91	0.95	3.25
6	Change in private inventories	-0.55	0.24	1.96	5.01	0.15	-1.91	-0.70
7	Durable goods	-0.20	1.82	-0.12	2.75	0.10	0.22	1.92
8	Final sales	0.30	1.71	-1.89	-0.16	-0.01	0.27	1.83
9	Change in private inventories ¹	-0.50	0.11	1.78	2.91	0.11	-0.05	0.08
10	Nondurable goods	0.40	1.12	0.10	2.77	-1.86	-1.18	0.63
11	Final sales	0.45	0.99	-0.08	0.66	-1.90	0.67	1.42
12	Change in private inventories ¹	-0.05	0.13	0.18	2.11	0.04	-1.86	-0.78
13	Services ²	-2.94	2.87	3.16	1.91	0.57	1.83	1.82
14	Structures	-0.03	0.14	-0.49	-0.47	-0.44	-1.44	-1.80
15	Addenda: Motor vehicle output	-0.39	0.20	-1.42	0.98	-0.10	-0.10	0.06
16	Gross domestic product excluding motor vehicle output	-2.38	5.74	4.08	5.97	-1.54	-0.48	2.50
17	Final sales of computers ³	0.02	0.02	-0.12	-0.04	-0.11	0.10	0.22
18	Gross domestic product excluding final sales of computers	-2.79	5.92	2.77	7.00	-1.52	-0.68	2.35
19	Research and development	0.15	0.26	0.17	0.24	0.14	0.16	0.15
20	Gross domestic product excluding research and development	-2.92	5.68	2.48	6.72	-1.77	-0.74	2.42

Legend / Footnotes:

1. Prior to 1959, inventories held by construction establishments are included in nondurable goods. Beginning with 1959, these inventories are included in durable goods. Estimates for durable goods and nondurable goods for 1996 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).

2. Includes government consumption expenditures, which are for services (such as education and national defense) produced by government. In current dollars, these services are valued at their cost of production.

3. Some components of final sales of computers include computer parts.

Table 1.2.3. Real Gross Domestic Product by Major Type of Product, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.875	120.646	121.033	123.085	122.580	122.403	123.180
2	Final sales of domestic product	114.487	121.001	121.540	122.100	121.548	121.956	122.952
3	Change in private inventories	---	---	---	---	---	---	---
4	Goods	128.909	141.500	140.718	146.842	144.803	143.702	146.593
5	Final sales	131.422	143.097	142.882	143.389	141.160	142.248	145.973
6	Change in private inventories	---	---	---	---	---	---	---
7	Durable goods	125.688	139.437	138.364	143.769	143.961	144.424	148.392
8	Final sales	130.801	144.035	143.374	142.951	142.915	143.489	147.364
9	Change in private inventories ¹	---	---	---	---	---	---	---
10	Nondurable goods	133.176	144.270	143.871	150.929	146.078	143.061	144.642
11	Final sales	132.255	141.964	142.308	143.975	139.059	140.758	144.304
12	Change in private inventories ¹	---	---	---	---	---	---	---
13	Services ²	106.217	111.218	112.243	113.119	113.390	114.260	115.126
14	Structures	122.757	124.685	123.788	122.132	120.592	115.700	109.693
	Addenda:							
15	Motor vehicle output	110.569	119.757	108.047	119.220	118.138	116.993	117.716
16	Gross domestic product excluding motor vehicle output	113.935	120.643	121.349	123.150	122.661	122.511	123.290
17	Final sales of computers ³	166.481	174.460	169.895	166.003	155.785	165.288	185.816
18	Gross domestic product excluding final sales of computers	113.671	120.437	120.839	122.911	122.438	122.229	122.943
19	Gross domestic purchases excluding final sales of computers to domestic purchasers	115.196	123.224	123.820	125.892	126.299	125.807	125.631
20	Research and development	137.182	147.586	148.737	151.251	152.781	154.525	156.121
21	Gross domestic product excluding research and development	113.191	119.855	120.219	122.258	121.693	121.460	122.214

Legend / Footnotes:

1. Prior to 1959, inventories held by construction establishments are included in nondurable goods. Beginning with 1959, these inventories are included in durable goods. Estimates for durable goods and nondurable goods for 1996 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).

2. Includes government consumption expenditures, which are for services (such as education and national defense) produced by government. In current dollars, these services are valued at their cost of production.

3. Some components of final sales of computers include computer parts.

Table 1.2.4. Price Indexes for Gross Domestic Product by Major Type of Product

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.814	118.924	119.763	121.758	124.209	126.914	128.188
2	Final sales of domestic product	113.975	119.165	120.035	122.034	124.489	127.215	128.497
3	Change in private inventories	---	---	---	---	---	---	---
4	Goods	99.949	104.095	104.847	106.833	109.564	112.527	113.059
5	Final sales	100.263	104.634	105.469	107.467	110.232	113.269	113.809
6	Change in private inventories	---	---	---	---	---	---	---
7	Durable goods	99.846	102.376	103.061	104.964	106.155	107.700	109.226
8	Final sales	99.857	102.652	103.469	105.372	106.541	108.073	109.668
9	Change in private inventories ¹	---	---	---	---	---	---	---
10	Nondurable goods	100.086	106.283	107.118	109.207	113.923	118.765	117.949
11	Final sales	100.768	107.186	108.042	110.162	115.024	120.062	119.202
12	Change in private inventories ¹	---	---	---	---	---	---	---
13	Services ²	119.262	124.188	124.943	126.518	128.313	130.451	131.784
14	Structures	128.501	139.031	140.835	145.980	151.995	157.787	162.352
	Addenda:							
15	Motor vehicle output	104.907	114.361	117.462	122.790	125.104	127.475	130.287
16	Gross domestic product excluding motor vehicle output	114.082	119.075	119.852	121.762	124.217	126.932	128.166
17	Final sales of computers ³	70.327	71.773	72.849	72.684	74.697	75.042	74.436
18	Gross domestic product excluding final sales of computers	114.079	119.214	120.051	122.061	124.514	127.235	128.523
19	Implicit price deflator for final sales of domestic product	113.975	119.166	120.017	122.015	124.470	127.195	128.477
20	Research and development	116.909	121.215	121.495	122.674	124.383	126.224	128.099
21	Gross domestic product excluding research and development	113.708	118.847	119.706	121.730	124.208	126.946	128.197

Legend / Footnotes:

1. Prior to 1959, inventories held by construction establishments are included in nondurable goods. Beginning with 1959, these inventories are included in durable goods. Estimates for durable goods and nondurable goods for 1996 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).

2. Includes government consumption expenditures, which are for services (such as education and national defense) produced by government. In current dollars, these services are valued at their cost of production.

3. Some components of final sales of computers include computer parts.

Table 1.2.5. Gross Domestic Product by Major Type of Product

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	21,060.5	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,663.3
2	Final sales of domestic product	21,116.3	23,334.2	23,605.6	24,109.1	24,483.1	25,103.1	25,563.1
3	Change in private inventories	-55.8	-19.1	-55.2	240.0	257.4	145.4	100.2
4	Goods	6,344.4	7,253.6	7,264.1	7,724.5	7,815.2	7,971.2	8,169.2
5	Final sales	6,400.2	7,272.7	7,319.3	7,484.5	7,557.8	7,825.8	8,069.0
6	Change in private inventories	-55.8	-19.1	-55.2	240.0	257.4	145.4	100.2
7	Durable goods	3,529.9	4,015.5	4,010.2	4,244.4	4,298.1	4,374.3	4,557.6
8	Final sales	3,587.6	4,061.3	4,075.2	4,137.9	4,182.8	4,260.0	4,439.6
9	Change in private inventories ¹	-57.7	-45.8	-65.0	106.5	115.3	114.3	118.0
10	Nondurable goods	2,814.5	3,238.1	3,254.0	3,480.1	3,517.0	3,596.9	3,611.7
11	Final sales	2,812.6	3,211.4	3,244.1	3,346.6	3,375.0	3,565.8	3,629.4
12	Change in private inventories ¹	1.8	26.7	9.8	133.5	142.1	31.1	-17.8
13	Services ²	12,841.4	14,001.3	14,213.0	14,504.2	14,745.4	15,106.1	15,376.0
14	Structures	1,874.7	2,060.2	2,073.3	2,120.4	2,179.9	2,171.2	2,118.0
	Addenda:							
15	Motor vehicle output	505.4	595.5	553.2	638.4	644.5	650.4	668.8
16	Gross domestic product excluding motor vehicle output	20,555.1	22,719.6	22,997.2	23,710.8	24,095.9	24,598.1	24,994.5
17	Final sales of computers ³	104.0	111.2	110.0	107.2	103.4	110.2	122.9
18	Gross domestic product excluding final sales of computers	20,956.5	23,203.9	23,440.4	24,241.9	24,637.1	25,138.3	25,540.4
19	Research and development	738.6	823.9	832.1	854.4	875.0	898.1	920.9
20	Gross domestic product excluding research and development	20,321.9	22,491.2	22,718.3	23,494.7	23,865.4	24,350.3	24,742.4

Legend / Footnotes:

1. Prior to 1959, inventories held by construction establishments are included in nondurable goods. Beginning with 1959, these inventories are included in durable goods. Estimates for durable goods and nondurable goods for 1996 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).

2. Includes government consumption expenditures, which are for services (such as education and national defense) produced by government. In current dollars, these services are valued at their cost of production.

3. Some components of final sales of computers include computer parts.

Table 1.2.6. Real Gross Domestic Product by Major Type of Product, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Final sales of domestic product	18,527.2	19,581.3	19,668.6	19,759.2	19,669.8	19,735.9	19,897.1
3	Change in private inventories	-54.6	-19.4	-48.6	197.6	214.5	110.2	61.9
4	Residual	36.6	47.9	52.6	49.4	39.7	49.2	62.7
5	Goods	6,353.1	6,973.7	6,935.2	7,237.0	7,136.5	7,082.2	7,224.7
6	Final sales	6,383.4	6,950.5	6,940.1	6,964.7	6,856.4	6,909.3	7,090.2
7	Change in private inventories	-54.6	-19.4	-48.6	197.6	214.5	110.2	61.9
8	Durable goods	3,534.2	3,920.8	3,890.6	4,042.6	4,048.0	4,061.0	4,172.6
9	Final sales	3,592.8	3,956.3	3,938.1	3,926.5	3,925.5	3,941.3	4,047.7
10	Change in private inventories ¹	-57.7	-43.1	-54.9	86.8	91.3	89.5	94.9
11	Nondurable goods	2,818.7	3,053.5	3,045.1	3,194.4	3,091.8	3,027.9	3,061.4
12	Final sales	2,791.2	2,996.1	3,003.3	3,038.5	2,934.8	2,970.6	3,045.5
13	Change in private inventories ¹	5.1	26.5	9.3	111.0	123.3	20.0	-32.4
14	Services ²	10,767.3	11,274.3	11,378.2	11,467.0	11,494.5	11,582.7	11,670.4
15	Structures	1,458.9	1,481.8	1,471.2	1,451.5	1,433.2	1,375.0	1,303.6
16	Residual	-48.5	-82.0	-72.7	-75.1	-78.5	-83.8	-108.0
	Addenda:							
17	Motor vehicle output	481.1	521.1	470.1	518.8	514.1	509.1	512.2
18	Gross domestic product excluding motor vehicle output	18,023.3	19,084.4	19,196.0	19,480.9	19,403.5	19,379.7	19,503.0
19	Final sales of computers ³	147.9	155.0	150.9	147.4	138.4	146.8	165.0
20	Gross domestic product excluding final sales of computers	18,375.0	19,468.8	19,533.9	19,868.7	19,792.3	19,758.5	19,874.0
21	Research and development	631.8	679.7	685.0	696.6	703.6	711.6	719.0
22	Gross domestic product excluding research and development	17,876.8	18,929.3	18,986.7	19,308.7	19,219.5	19,182.7	19,301.8

Legend / Footnotes:

1. Prior to 1959, inventories held by construction establishments are included in nondurable goods. Beginning with 1959, these inventories are included in durable goods. Estimates for durable goods and nondurable goods for 1996 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).

2. Includes government consumption expenditures, which are for services (such as education and national defense) produced by government. In current dollars, these services are valued at their cost of production.

3. Some components of final sales of computers include computer parts.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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.

Table 1.3.1. Percent Change From Preceding Period in Real Gross Value Added by Sector

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Business ¹	-3.4	7.7	2.6	9.0	-2.4	-1.4	2.6
3	Nonfarm ²	-3.5	7.8	2.7	9.1	-2.5	-1.2	2.8
4	Farm	2.2	-10.3	-8.4	2.4	-0.3	-14.6	-6.9
5	Households and institutions	-1.1	1.1	1.5	1.0	1.1	3.7	3.0
6	Households	0.2	1.1	2.0	1.0	0.1	3.7	2.8
7	Nonprofit institutions serving households ³	-2.8	1.1	1.0	1.0	2.4	3.5	3.3
8	General government ⁴	-0.2	0.4	4.2	-0.4	1.2	0.7	1.5
9	Federal	2.8	1.2	-0.1	0.2	1.1	0.4	0.7
10	State and local	-1.6	0.0	6.3	-0.6	1.2	0.9	1.9
	Addendum:							
11	Gross housing value added	0.2	1.1	1.7	0.9	0.3	3.3	2.3

Legend / Footnotes:

1. Equals gross domestic product excluding gross value added of households and institutions and of general government.

2. Equals gross domestic business value added excluding gross farm value added.

3. Equals compensation of employees of nonprofit institutions, the rental value of nonresidential fixed assets owned and used by nonprofit institutions serving households, and rental income of persons for tenant-occupied housing owned by nonprofit institutions.

4. Equals compensation of general government employees plus general government consumption of fixed capital.

Table 1.3.3. Real Gross Value Added by Sector, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.875	120.646	121.033	123.085	122.580	122.403	123.180
2	Business ¹	117.031	125.993	126.354	129.116	128.320	127.864	128.701
3	Nonfarm ²	116.855	125.997	126.385	129.169	128.365	127.964	128.841
4	Farm	127.970	114.809	112.471	113.130	113.037	108.676	106.747
5	Households and institutions	106.369	107.548	107.802	108.062	108.363	109.339	110.153
6	Households	106.051	107.258	107.590	107.850	107.875	108.872	109.627
7	Nonprofit institutions serving households ³	106.814	107.958	108.118	108.381	109.016	109.968	110.854
8	General government ⁴	102.674	103.043	103.702	103.601	103.901	104.085	104.474
9	Federal	101.781	102.981	103.049	103.095	103.389	103.481	103.651
10	State and local	103.139	103.122	104.057	103.888	104.192	104.418	104.908
	Addendum:							
11	Gross housing value added	106.069	107.183	107.470	107.717	107.794	108.664	109.296

Legend / Footnotes:

1. Equals gross domestic product excluding gross value added of households and institutions and of general government.

2. Equals gross domestic business value added excluding gross farm value added.

3. Equals compensation of employees of nonprofit institutions, the rental value of nonresidential fixed assets owned and used by nonprofit institutions serving households, and rental income of persons for tenant-occupied housing owned by nonprofit institutions.

4. Equals compensation of general government employees plus general government consumption of fixed capital.

Table 1.3.4. Price Indexes for Gross Value Added by Sector

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.814	118.924	119.763	121.758	124.209	126.914	128.188
2	Business ¹	110.685	116.141	117.029	119.095	121.542	124.553	125.636
3	Nonfarm ²	111.356	116.478	117.260	119.381	121.585	124.416	125.476
4	Farm	63.756	96.949	107.153	104.285	129.449	149.525	152.939
5	Households and institutions	126.436	129.789	130.565	132.658	136.159	137.938	140.525
6	Households	123.700	126.196	126.546	128.359	130.953	132.832	135.847
7	Nonprofit institutions serving households ³	129.975	134.445	135.776	138.236	142.919	144.569	146.598
8	General government ⁴	121.718	126.164	126.717	128.038	129.336	130.695	131.960
9	Federal	115.820	119.884	120.461	121.474	122.680	123.778	124.961
10	State and local	124.611	129.245	129.785	131.259	132.603	134.091	135.396
	Addendum:							
11	Gross housing value added	125.696	128.241	128.578	130.360	132.770	134.792	137.867

Legend / Footnotes:

1. Equals gross domestic product excluding gross value added of households and institutions and of general government.
2. Equals gross domestic business value added excluding gross farm value added.
3. Equals compensation of employees of nonprofit institutions, the rental value of nonresidential fixed assets owned and used by nonprofit institutions serving households, and rental income of persons for tenant-occupied housing owned by nonprofit institutions.
4. Equals compensation of general government employees plus general government consumption of fixed capital.

Table 1.3.5. Gross Value Added by Sector

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	21,060.5	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,663.3
2	Business ¹	15,806.3	17,855.9	18,039.8	18,760.4	19,030.9	19,438.7	19,735.4
3	Nonfarm ²	15,685.5	17,691.2	17,860.1	18,584.8	18,810.5	19,190.8	19,485.5
4	Farm	120.7	164.7	179.7	175.6	220.5	247.9	249.9
5	Households and institutions	2,768.3	2,873.2	2,896.9	2,950.5	3,036.7	3,104.1	3,185.9
6	Households	1,533.3	1,582.0	1,591.2	1,617.9	1,651.0	1,690.2	1,740.5
7	Nonprofit institutions serving households ³	1,235.0	1,291.2	1,305.7	1,332.5	1,385.8	1,414.0	1,445.4
8	General government ⁴	2,485.9	2,585.9	2,613.7	2,638.3	2,672.8	2,705.7	2,742.0
9	Federal	782.3	819.3	823.8	831.1	841.8	850.1	859.6
10	State and local	1,703.5	1,766.6	1,789.8	1,807.2	1,831.0	1,855.6	1,882.4
	Addendum:							
11	Gross housing value added	1,991.3	2,052.9	2,063.7	2,097.1	2,137.4	2,187.5	2,250.4

Legend / Footnotes:

1. Equals gross domestic product excluding gross value added of households and institutions and of general government.

2. Equals gross domestic business value added excluding gross farm value added.

3. Equals compensation of employees of nonprofit institutions, the rental value of nonresidential fixed assets owned and used by nonprofit institutions serving households, and rental income of persons for tenant-occupied housing owned by nonprofit institutions.

4. Equals compensation of general government employees plus general government consumption of fixed capital.

Table 1.3.6. Real Gross Value Added by Sector, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Business ¹	14,285.3	15,379.2	15,423.3	15,760.5	15,663.3	15,607.6	15,709.8
3	Nonfarm ²	14,090.9	15,193.3	15,240.1	15,575.8	15,478.8	15,430.5	15,536.2
4	Farm	189.4	169.9	166.4	167.4	167.3	160.8	158.0
5	Households and institutions	2,189.5	2,213.7	2,219.0	2,224.3	2,230.5	2,250.6	2,267.4
6	Households	1,239.5	1,253.6	1,257.5	1,260.5	1,260.8	1,272.5	1,281.3
7	Nonprofit institutions serving households ³	950.2	960.4	961.8	964.2	969.8	978.3	986.1
8	General government ⁴	2,042.3	2,049.7	2,062.8	2,060.8	2,066.7	2,070.4	2,078.1
9	Federal	675.5	683.4	683.9	684.2	686.2	686.8	687.9
10	State and local	1,367.1	1,366.9	1,379.2	1,377.0	1,381.0	1,384.0	1,390.5
11	Residual	-3.4	-17.7	-16.4	-22.9	-19.8	-17.6	-18.4
	Addendum:							
12	Gross housing value added	1,584.2	1,600.8	1,605.1	1,608.8	1,610.0	1,623.0	1,632.4

Legend / Footnotes:

1. Equals gross domestic product excluding gross value added of households and institutions and of general government.

2. Equals gross domestic business value added excluding gross farm value added.

3. Equals compensation of employees of nonprofit institutions, the rental value of nonresidential fixed assets owned and used by nonprofit institutions serving households, and rental income of persons for tenant-occupied housing owned by nonprofit institutions.

4. Equals compensation of general government employees plus general government consumption of fixed capital.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 1.4.1. Percent Change From Preceding Period in Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Less: Exports of goods and services	-13.2	6.1	-1.1	23.5	-4.6	13.8	14.4
3	Plus: Imports of goods and services	-9.0	14.1	6.6	18.6	18.4	2.2	-6.9
4	Equals: Gross domestic purchases	-2.4	7.0	3.6	6.9	1.4	-1.6	-0.2
5	Less: Change in private inventories	---	---	---	---	---	---	---
6	Equals: Final sales to domestic purchasers	-1.9	6.7	1.7	2.0	1.3	0.2	0.5
	Addenda:							
7	Final sales of domestic product	-2.2	5.7	0.7	1.9	-1.8	1.3	3.3
8	Final sales to private domestic purchasers ¹	-2.8	8.1	2.1	2.6	2.1	0.5	0.1
9	Gross domestic purchases, current dollars	-1.2	11.5	9.7	14.2	9.7	6.8	4.3
10	Final sales to domestic purchasers, current dollars	-0.7	11.3	7.8	8.9	9.5	8.7	5.1
11	Final sales to private domestic purchasers, current dollars ¹	-1.7	12.5	8.2	9.5	10.2	8.5	5.0

Legend / Footnotes:

1. Final sales to domestic purchasers less government consumption expenditures and gross investment.

Table 1.4.3. Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers,
Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.875	120.646	121.033	123.085	122.580	122.403	123.180
2	Less: Exports of goods and services	100.631	106.722	105.462	111.181	109.886	113.493	117.384
3	Plus: Imports of goods and services	113.903	130.002	130.223	135.893	141.755	142.543	140.006
4	Equals: Gross domestic purchases	115.530	123.618	124.186	126.274	126.727	126.202	126.135
5	Less: Change in private inventories	---	---	---	---	---	---	---
6	Equals: Final sales to domestic purchasers	116.142	123.979	124.698	125.311	125.720	125.773	125.921
	Addenda:							
7	Final sales of domestic product	114.487	121.001	121.540	122.100	121.548	121.956	122.952
8	Final sales to private domestic purchasers ¹	117.866	127.435	128.367	129.192	129.850	130.024	130.050

Legend / Footnotes:

1. Final sales to domestic purchasers less government consumption expenditures and gross investment.

Table 1.4.4. Price Indexes for Gross Domestic Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.814	118.924	119.763	121.758	124.209	126.914	128.188
2	Less: Exports of goods and services	96.278	107.304	109.210	110.868	115.384	120.763	117.574
3	Plus: Imports of goods and services	88.010	94.481	95.510	96.977	100.107	103.266	102.222
4	Equals: Gross domestic purchases	111.733	116.403	117.155	119.101	121.447	123.940	125.332
5	Less: Change in private inventories	---	---	---	---	---	---	---
6	Equals: Final sales to domestic purchasers	111.876	116.623	117.403	119.352	121.703	124.213	125.613
	Addenda:							
7	Final sales of domestic product	113.975	119.165	120.035	122.034	124.489	127.215	128.497
8	Final sales to private domestic purchasers ¹	111.154	115.620	116.390	118.298	120.595	122.909	124.380
9	Implicit price deflator for final sales to domestic purchasers	111.876	116.623	117.382	119.331	121.681	124.190	125.590

Legend / Footnotes:

1. Final sales to domestic purchasers less government consumption expenditures and gross investment.

Table 1.4.5. Relation of Gross Domestic Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	21,060.5	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,663.3
2	Less: Exports of goods and services	2,148.6	2,539.6	2,553.3	2,733.0	2,811.2	3,038.8	3,060.0
3	Plus: Imports of goods and services	2,776.1	3,401.4	3,442.5	3,647.7	3,927.9	4,074.4	3,961.4
4	Equals: Gross domestic purchases	21,688.0	24,176.8	24,439.6	25,263.8	25,857.2	26,284.0	26,564.7
5	Less: Change in private inventories	-55.8	-19.1	-55.2	240.0	257.4	145.4	100.2
6	Equals: Final sales to domestic purchasers	21,743.8	24,195.9	24,494.7	25,023.8	25,599.7	26,138.7	26,464.5
	Addenda:							
7	Final sales of domestic product	21,116.3	23,334.2	23,605.6	24,109.1	24,483.1	25,103.1	25,563.1
8	Final sales to private domestic purchasers ¹	17,814.9	20,035.2	20,311.6	20,777.1	21,288.4	21,725.9	21,990.4

Legend / Footnotes:

1. Final sales to domestic purchasers less government consumption expenditures and gross investment.

Table 1.4.6. Relation of Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Less: Exports of goods and services	2,231.7	2,366.8	2,338.8	2,465.7	2,436.9	2,516.9	2,603.2
3	Plus: Imports of goods and services	3,154.3	3,600.2	3,606.3	3,763.3	3,925.6	3,947.5	3,877.2
4	Equals: Gross domestic purchases	19,415.5	20,774.8	20,870.2	21,221.1	21,297.3	21,208.9	21,197.8
5	Less: Change in private inventories	-54.6	-19.4	-48.6	197.6	214.5	110.2	61.9
6	Equals: Final sales to domestic purchasers	19,435.6	20,747.2	20,867.5	20,970.1	21,038.4	21,047.3	21,072.1
	Addenda:							
7	Final sales of domestic product	18,527.2	19,581.3	19,668.6	19,759.2	19,669.8	19,735.9	19,897.1
8	Final sales to private domestic purchasers ¹	16,027.3	17,328.4	17,455.3	17,567.4	17,656.9	17,680.5	17,684.0

Legend / Footnotes:

1. Final sales to domestic purchasers less government consumption expenditures and gross investment.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 1.5.1. Percent Change From Preceding Period in Real Gross Domestic Product, Expanded Detail

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Personal consumption expenditures	-3.0	8.3	3.0	3.1	1.3	2.0	1.4
3	Goods	5.2	12.2	-7.9	2.3	-0.1	-2.6	-1.2
4	Durable goods	10.0	18.5	-22.0	5.1	7.6	-2.8	-0.8
5	Motor vehicles and parts	1.6	15.8	-49.5	7.2	15.5	-10.3	-11.8
6	Furnishings and durable household equipment	13.4	14.2	-9.3	-6.0	-3.1	-0.6	3.2
7	Recreational goods and vehicles	24.3	20.1	-2.1	11.9	10.6	1.4	8.0
8	Other durable goods	-2.3	31.1	8.0	6.1	2.6	4.3	1.9
9	Nondurable goods	2.7	8.8	1.7	0.7	-4.4	-2.5	-1.4
10	Food and beverages purchased for off-premises consumption	5.7	3.7	-1.1	0.6	-7.4	-9.9	-3.8
11	Clothing and footwear	-5.0	26.1	-0.2	-3.3	-4.6	4.0	4.8
12	Gasoline and other energy goods	-13.2	11.6	10.6	3.9	-10.0	-2.2	-5.9
13	Other nondurable goods	6.8	7.8	2.6	1.4	0.3	2.1	0.4
14	Services	-6.6	6.3	9.2	3.5	2.1	4.6	2.8
15	Household consumption expenditures (for services)	-7.5	7.5	9.7	3.5	1.7	4.4	2.5
16	Housing and utilities	0.9	1.1	1.5	-0.5	3.2	0.9	0.3
17	Health care	-7.4	7.3	5.2	3.8	-0.5	0.4	2.9
18	Transportation services	-24.9	15.9	53.4	7.0	-1.4	7.1	6.3
19	Recreation services	-26.1	16.6	26.3	15.9	2.1	9.1	0.9
20	Food services and accommodations	-21.0	23.5	20.1	3.6	0.1	16.1	3.3
21	Financial services and insurance	1.6	3.9	3.7	6.1	-1.6	1.8	1.5
22	Other services	-7.3	9.0	15.8	2.4	9.1	9.3	5.5
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	12.9	-14.6	-1.1	4.8	10.1	9.0	9.8
24	Gross output of nonprofit institutions ²	-1.7	0.9	1.3	4.6	-1.8	-0.1	4.7
25	Less: Receipts from sales of goods and services by nonprofit institutions ³	-6.9	7.7	2.2	4.6	-5.9	-3.5	2.7
26	Gross private domestic investment	-5.3	9.0	10.4	32.0	5.4	-14.1	-8.5
27	Fixed investment	-2.3	7.4	-1.1	0.6	4.8	-5.0	-4.9
28	Nonresidential	-4.9	6.4	0.6	1.1	7.9	0.1	3.7
29	Structures	-10.1	-6.4	-6.7	-12.7	-4.3	-12.7	-15.3
30	Equipment	-10.5	10.3	-2.2	1.6	11.4	-2.0	10.8
31	Information processing equipment	1.3	9.8	-3.7	20.2	17.0	-6.3	10.0
32	Computers and peripheral equipment	11.6	7.7	1.1	13.1	22.0	-22.2	59.5
33	Other	-3.2	10.8	-5.9	23.8	14.7	2.3	-8.5
34	Industrial equipment	-8.2	11.9	10.3	11.1	12.6	-6.1	-12.7
35	Transportation equipment	-30.6	15.7	-13.5	-32.0	-3.5	11.6	92.1
36	Other equipment	-7.0	5.5	-1.7	-2.5	13.1	-0.1	-8.6
37	Intellectual property products	4.8	9.7	7.4	8.1	10.8	8.9	6.9
38	Software ⁴	8.7	12.8	8.5	4.8	18.9	10.2	8.0
39	Research and development ⁵	3.4	8.7	5.2	8.9	5.5	5.7	4.4
40	Entertainment, literary, and artistic originals	-5.6	-0.1	16.5	21.6	5.5	24.3	17.9
41	Residential	7.2	10.7	-5.8	-1.1	-3.1	-17.8	-26.4
42	Change in private inventories	---	---	---	---	---	---	---
43	Farm	---	---	---	---	---	---	---
44	Nonfarm	---	---	---	---	---	---	---
45	Net exports of goods and services	---	---	---	---	---	---	---
46	Exports	-13.2	6.1	-1.1	23.5	-4.6	13.8	14.4
47	Goods	-10.1	7.4	-3.7	23.4	-7.2	15.5	17.2
48	Services	-18.8	3.3	4.7	23.6	1.6	9.9	8.3
49	Imports	-9.0	14.1	6.6	18.6	18.4	2.2	-6.9
50	Goods	-5.8	14.5	0.2	19.6	20.4	-0.4	-8.7
51	Services	-22.0	12.3	45.3	14.0	9.1	16.6	2.3

Table 1.5.1. Percent Change From Preceding Period in Real Gross Domestic Product, Expanded Detail

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Government consumption expenditures and gross investment	2.6	0.6	-0.2	-1.0	-2.3	-1.6	2.4
53	Federal	6.2	2.3	-7.2	0.0	-5.3	-3.4	3.7
54	National defense	2.9	-1.2	-3.2	-5.3	-8.5	1.4	4.7
55	Consumption expenditures	2.0	-2.3	-5.1	-6.4	-7.2	3.1	6.3
56	Gross investment	6.5	3.0	4.5	-1.2	-13.3	-4.6	-0.9
57	Nondefense	11.2	7.3	-12.1	7.4	-1.1	-9.2	2.3
58	Consumption expenditures	11.5	10.4	-16.6	9.8	-2.7	-12.6	2.1
59	Gross investment	10.2	-1.5	3.1	0.5	3.9	1.3	2.6
60	State and local	0.4	-0.5	4.5	-1.6	-0.4	-0.6	1.7
61	Consumption expenditures	0.3	0.4	6.1	-1.1	0.9	1.1	1.4
62	Gross investment	0.7	-4.8	-2.5	-3.7	-6.5	-8.4	3.3

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.
2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).
3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.
4. Excludes software embedded, or bundled, in computers and other equipment.
5. Research and development investment excludes expenditures for software development. Software development expenditures are included in software investment on line 38.

Table 1.5.2. Contributions to Percent Change in Real Gross Domestic Product, Expanded Detail

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Percent change at annual rate:							
1	Gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
	Percentage points at annual rates:							
2	Personal consumption expenditures	-2.01	5.54	1.98	2.14	0.91	1.38	0.97
3	Goods	1.07	2.72	-1.96	0.55	-0.02	-0.61	-0.28
4	Durable goods	0.70	1.46	-2.22	0.44	0.64	-0.24	-0.07
5	Motor vehicles and parts	0.04	0.41	-2.04	0.20	0.42	-0.32	-0.36
6	Furnishings and durable household equipment	0.23	0.28	-0.21	-0.13	-0.07	-0.01	0.07
7	Recreational goods and vehicles	0.46	0.47	-0.06	0.29	0.26	0.04	0.20
8	Other durable goods	-0.02	0.30	0.09	0.07	0.03	0.05	0.02
9	Nondurable goods	0.37	1.26	0.26	0.12	-0.66	-0.37	-0.20
10	Food and beverages purchased for off-premises consumption	0.28	0.20	-0.06	0.03	-0.39	-0.52	-0.19
11	Clothing and footwear	-0.09	0.44	0.00	-0.07	-0.09	0.08	0.09
12	Gasoline and other energy goods	-0.19	0.16	0.16	0.07	-0.19	-0.05	-0.12
13	Other nondurable goods	0.38	0.47	0.15	0.09	0.02	0.12	0.02
14	Services	-3.08	2.83	3.94	1.58	0.93	1.99	1.24
15	Household consumption expenditures (for services)	-3.35	3.18	3.96	1.49	0.73	1.82	1.04
16	Housing and utilities	0.11	0.14	0.18	-0.06	0.36	0.10	0.04
17	Health care	-0.85	0.81	0.57	0.42	-0.05	0.05	0.31
18	Transportation services	-0.57	0.28	0.83	0.13	-0.03	0.14	0.14
19	Recreation services	-0.71	0.34	0.53	0.35	0.05	0.21	0.02
20	Food services and accommodations	-0.99	0.91	0.85	0.17	0.01	0.72	0.16
21	Financial services and insurance	0.08	0.22	0.20	0.33	-0.09	0.10	0.08
22	Other services	-0.42	0.48	0.81	0.14	0.48	0.50	0.30
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	0.27	-0.35	-0.02	0.09	0.20	0.18	0.20
24	Gross output of nonprofit institutions ²	-0.13	0.07	0.10	0.34	-0.13	-0.01	0.34
25	Less: Receipts from sales of goods and services by nonprofit institutions ³	-0.40	0.42	0.12	0.25	-0.33	-0.19	0.14
26	Gross private domestic investment	-0.95	1.55	1.78	5.14	0.98	-2.83	-1.59
27	Fixed investment	-0.40	1.30	-0.18	0.12	0.83	-0.92	-0.89
28	Nonresidential	-0.67	0.83	0.10	0.17	0.98	0.01	0.49
29	Structures	-0.32	-0.19	-0.18	-0.35	-0.11	-0.34	-0.41
30	Equipment	-0.59	0.52	-0.09	0.10	0.55	-0.11	0.54
31	Information processing equipment	0.02	0.18	-0.07	0.34	0.29	-0.12	0.18
32	Computers and peripheral equipment	0.06	0.05	0.01	0.07	0.12	-0.15	0.28
33	Other	-0.04	0.13	-0.07	0.26	0.17	0.03	-0.11
34	Industrial equipment	-0.10	0.13	0.12	0.13	0.15	-0.08	-0.17
35	Transportation equipment	-0.43	0.15	-0.12	-0.34	-0.03	0.10	0.63
36	Other equipment	-0.08	0.06	-0.02	-0.03	0.14	0.00	-0.11
37	Intellectual property products	0.23	0.50	0.38	0.42	0.54	0.46	0.36
38	Software ⁴	0.17	0.27	0.18	0.10	0.38	0.22	0.17
39	Research and development ⁵	0.08	0.23	0.14	0.23	0.14	0.15	0.12
40	Entertainment, literary, and artistic originals	-0.02	0.00	0.06	0.08	0.02	0.09	0.07
41	Residential	0.28	0.47	-0.29	-0.05	-0.15	-0.93	-1.37
42	Change in private inventories	-0.55	0.24	1.96	5.01	0.15	-1.91	-0.70
43	Farm	0.04	0.02	0.01	-0.04	-0.05	-0.08	-0.05
44	Nonfarm	-0.60	0.22	1.95	5.05	0.21	-1.83	-0.65
45	Net exports of goods and services	-0.26	-1.25	-1.08	-0.16	-3.13	1.16	2.77
46	Exports	-1.54	0.64	-0.13	2.37	-0.53	1.51	1.63
47	Goods	-0.76	0.52	-0.28	1.62	-0.58	1.18	1.34
48	Services	-0.78	0.12	0.15	0.74	0.06	0.33	0.29
49	Imports	1.28	-1.89	-0.95	-2.53	-2.60	-0.35	1.14

Table 1.5.2. Contributions to Percent Change in Real Gross Domestic Product, Expanded Detail

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
50	Goods	0.67	-1.61	-0.05	-2.20	-2.38	0.05	1.20
51	Services	0.61	-0.28	-0.90	-0.33	-0.22	-0.41	-0.06
52	Government consumption expenditures and gross investment	0.45	0.11	-0.02	-0.16	-0.40	-0.29	0.42
53	Federal	0.41	0.17	-0.51	0.01	-0.36	-0.22	0.23
54	National defense	0.12	-0.05	-0.12	-0.20	-0.33	0.05	0.17
55	Consumption expenditures	0.06	-0.08	-0.16	-0.19	-0.21	0.09	0.18
56	Gross investment	0.05	0.03	0.04	-0.01	-0.11	-0.04	-0.01
57	Nondefense	0.30	0.22	-0.39	0.21	-0.03	-0.28	0.06
58	Consumption expenditures	0.22	0.23	-0.41	0.21	-0.06	-0.28	0.04
59	Gross investment	0.07	-0.01	0.02	0.00	0.03	0.01	0.02
60	State and local	0.04	-0.06	0.49	-0.17	-0.04	-0.06	0.19
61	Consumption expenditures	0.03	0.04	0.54	-0.10	0.08	0.10	0.13
62	Gross investment	0.01	-0.10	-0.05	-0.07	-0.13	-0.16	0.06

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.

2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).

3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.

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

5. Research and development investment excludes expenditures for software development. Software development expenditures are included in software investment on line 38.

Table 1.5.3. Real Gross Domestic Product, Expanded Detail, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.875	120.646	121.033	123.085	122.580	122.403	123.180
2	Personal consumption expenditures	114.966	124.501	125.590	126.560	126.984	127.627	128.076
3	Goods	136.231	152.895	152.144	153.027	152.999	152.007	151.560
4	Durable goods	167.290	198.281	192.791	195.202	198.832	197.444	197.029
5	Motor vehicles and parts	133.708	154.803	142.156	144.637	149.935	145.920	141.418
6	Furnishings and durable household equipment	184.680	210.856	208.977	205.769	204.132	203.834	205.435
7	Recreational goods and vehicles	225.986	271.420	270.603	278.347	285.443	286.445	292.010
8	Other durable goods	137.021	179.575	183.122	185.868	187.079	189.065	189.940
9	Nondurable goods	122.988	133.793	134.969	135.220	133.713	132.884	132.429
10	Food and beverages purchased for off-premises consumption	123.265	127.865	127.841	128.021	125.582	122.341	121.159
11	Clothing and footwear	111.732	140.887	143.394	142.202	140.531	141.909	143.565
12	Gasoline and other energy goods	91.927	102.619	105.684	106.690	103.909	103.333	101.766
13	Other nondurable goods	136.965	147.616	148.850	149.376	149.478	150.273	150.430
14	Services	106.119	112.841	114.639	115.637	116.240	117.545	118.357
15	Household consumption expenditures (for services)	105.557	113.514	115.518	116.508	117.011	118.265	118.984
16	Housing and utilities	105.376	106.551	106.799	106.668	107.503	107.733	107.813
17	Health care	114.153	122.525	123.807	124.972	124.829	124.969	125.877
18	Transportation services	99.939	115.854	124.840	126.980	126.533	128.707	130.694
19	Recreation services	86.615	100.984	104.921	108.864	109.437	111.837	112.081
20	Food services and accommodations	95.351	117.774	123.636	124.747	124.788	129.534	130.589
21	Financial services and insurance	101.254	105.200	105.348	106.915	106.487	106.973	107.371
22	Other services	111.394	121.401	124.515	125.255	128.000	130.884	132.643
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	116.949	99.884	97.778	98.929	101.345	103.542	105.991
24	Gross output of nonprofit institutions ²	111.951	112.918	113.036	114.326	113.818	113.781	115.102
25	Less: Receipts from sales of goods and services by nonprofit institutions ³	109.790	118.291	119.355	120.714	118.889	117.834	118.628
26	Gross private domestic investment	126.117	137.427	136.704	146.534	148.469	142.919	139.798
27	Fixed investment	130.437	140.152	140.407	140.606	142.269	140.439	138.672
28	Nonresidential	125.842	133.837	134.629	135.009	137.598	137.620	138.887
29	Structures	106.451	99.602	99.400	96.089	95.031	91.848	88.105
30	Equipment	112.598	124.245	124.782	125.277	128.701	128.040	131.352
31	Information processing equipment	148.642	163.137	160.515	168.068	174.814	171.974	176.135
32	Computers and peripheral equipment	136.949	147.436	144.404	148.931	156.536	147.022	165.233
33	Other	153.123	169.655	167.287	176.449	182.598	183.659	179.621
34	Industrial equipment	106.194	118.828	121.296	124.518	128.266	126.276	122.046
35	Transportation equipment	89.406	103.456	106.482	96.706	95.843	98.515	115.987
36	Other equipment	99.231	104.656	104.569	103.920	107.165	107.140	104.757
37	Intellectual property products	160.323	175.850	177.821	181.299	186.008	190.019	193.225
38	Software ⁴	187.105	211.069	214.207	216.739	226.328	231.912	236.405
39	Research and development ⁵	150.239	163.309	164.683	168.215	170.462	172.835	174.726
40	Entertainment, literary, and artistic originals	114.139	114.072	115.231	121.009	122.629	129.489	134.929
41	Residential	150.421	166.518	164.861	164.420	163.129	155.308	143.862
42	Change in private inventories	---	---	---	---	---	---	---
43	Farm	---	---	---	---	---	---	---
44	Nonfarm	---	---	---	---	---	---	---
45	Net exports of goods and services	---	---	---	---	---	---	---
46	Exports	100.631	106.722	105.462	111.181	109.886	113.493	117.384
47	Goods	105.236	113.031	111.241	117.255	115.075	119.306	124.123
48	Services	92.401	95.472	95.150	100.322	100.715	103.116	105.198
49	Imports	113.903	130.002	130.223	135.893	141.755	142.543	140.006
50	Goods	119.683	137.054	135.873	142.077	148.812	148.673	145.319
51	Services	90.609	101.710	107.236	110.797	113.227	117.665	118.338

Table 1.5.3. Real Gross Domestic Product, Expanded Detail, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Government consumption expenditures and gross investment	108.615	109.239	109.073	108.812	108.191	107.748	108.396
53	Federal	105.584	108.042	106.554	106.564	105.126	104.222	105.161
54	National defense	98.399	97.195	96.969	95.658	93.559	93.893	94.987
55	Consumption expenditures	97.034	94.802	94.396	92.854	91.147	91.845	93.254
56	Gross investment	104.133	107.235	107.770	107.443	103.687	102.482	102.241
57	Nondefense	117.720	126.262	122.667	124.879	124.542	121.559	122.239
58	Consumption expenditures	114.919	126.898	121.950	124.836	123.996	119.893	120.532
59	Gross investment	126.105	124.210	124.747	124.892	126.086	126.496	127.300
60	State and local	110.760	110.188	110.879	110.446	110.341	110.183	110.651
61	Consumption expenditures	110.419	110.910	111.969	111.659	111.920	112.226	112.612
62	Gross investment	112.317	106.898	105.902	104.918	103.162	100.923	101.757

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.
2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).
3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.
4. Excludes software embedded, or bundled, in computers and other equipment.
5. Research and development investment excludes expenditures for software development. Software development expenditures are included in software investment on line 38.

Table 1.5.4. Price Indexes for Gross Domestic Product, Expanded Detail

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.814	118.924	119.763	121.758	124.209	126.914	128.188
2	Personal consumption expenditures	111.145	115.621	116.413	118.173	120.323	122.459	123.719
3	Goods	94.237	98.824	99.688	101.923	104.987	107.670	108.404
4	Durable goods	86.032	90.809	92.198	94.029	95.926	96.508	97.334
5	Motor vehicles and parts	100.685	112.176	115.885	120.544	123.343	124.568	126.756
6	Furnishings and durable household equipment	87.835	92.447	93.206	95.532	99.622	101.374	102.197
7	Recreational goods and vehicles	70.177	71.353	71.650	71.864	72.077	71.720	71.743
8	Other durable goods	82.842	83.486	83.919	83.920	84.865	84.884	85.365
9	Nondurable goods	98.585	103.001	103.491	105.969	109.779	113.862	114.522
10	Food and beverages purchased for off-premises consumption	107.965	111.372	112.016	114.379	117.497	121.758	125.522
11	Clothing and footwear	92.907	94.846	95.203	96.340	99.059	99.751	100.418
12	Gasoline and other energy goods	63.878	85.324	87.138	95.858	108.438	124.332	113.973
13	Other nondurable goods	107.096	107.792	107.760	108.744	110.664	112.047	113.899
14	Services	120.133	124.458	125.185	126.607	128.126	129.875	131.448
15	Household consumption expenditures (for services)	119.864	123.897	124.568	125.796	127.309	128.996	130.541
16	Housing and utilities	125.603	129.286	129.776	131.659	133.716	136.301	139.560
17	Health care	112.513	115.770	115.982	116.474	117.599	117.968	118.847
18	Transportation services	107.892	112.384	114.057	115.042	117.668	125.966	128.103
19	Recreation services	117.812	121.488	122.235	123.745	125.496	126.843	128.136
20	Food services and accommodations	121.032	127.786	129.336	132.059	134.156	136.813	138.425
21	Financial services and insurance	139.132	145.857	147.046	147.712	148.042	147.295	146.474
22	Other services	111.257	113.457	113.982	114.690	115.888	117.240	118.520
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	125.970	136.460	138.383	144.488	146.102	149.312	151.543
24	Gross output of nonprofit institutions ²	119.957	125.251	125.984	127.843	129.423	130.736	132.151
25	Less: Receipts from sales of goods and services by nonprofit institutions ³	117.790	121.218	121.537	122.041	123.605	124.288	125.424
26	Gross private domestic investment	110.342	114.329	114.847	117.292	120.103	122.982	125.205
27	Fixed investment	111.179	115.608	116.290	118.771	121.640	124.647	126.956
28	Nonresidential	104.948	106.688	106.818	108.811	110.646	112.932	114.964
29	Structures	120.380	125.276	125.729	132.340	137.535	143.194	149.840
30	Equipment	97.340	97.726	97.577	99.125	100.963	103.211	104.663
31	Information processing equipment	79.066	78.967	79.064	79.266	80.166	80.490	80.624
32	Computers and peripheral equipment	90.943	92.021	92.592	93.048	94.536	95.532	95.324
33	Other	74.668	74.098	74.008	74.111	74.785	74.856	75.125
34	Industrial equipment	105.654	110.479	111.586	113.572	116.667	119.605	120.903
35	Transportation equipment	107.628	100.817	97.786	100.184	100.956	105.520	108.033
36	Other equipment	109.145	112.419	113.119	116.279	119.629	123.378	126.955
37	Intellectual property products	105.183	106.913	107.156	107.721	108.238	109.282	110.261
38	Software ⁴	90.550	89.235	89.288	89.284	88.531	88.586	88.664
39	Research and development ⁵	118.235	123.034	123.392	124.507	126.216	128.097	130.039
40	Entertainment, literary, and artistic originals	109.834	113.069	113.908	114.916	116.909	119.633	120.952
41	Residential	138.622	153.963	156.862	161.384	168.513	174.587	178.088
42	Change in private inventories	---	---	---	---	---	---	---
43	Farm	---	---	---	---	---	---	---
44	Nonfarm	---	---	---	---	---	---	---
45	Net exports of goods and services	---	---	---	---	---	---	---
46	Exports	96.278	107.304	109.210	110.868	115.384	120.763	117.574
47	Goods	88.217	100.726	102.957	104.713	110.259	116.969	112.446
48	Services	114.594	121.500	122.514	123.891	125.645	127.485	127.850
49	Imports	88.010	94.481	95.510	96.977	100.107	103.266	102.222
50	Goods	83.963	90.511	91.512	92.989	96.410	99.594	98.191
51	Services	109.342	114.972	116.132	117.491	118.665	121.523	122.673

Table 1.5.4. Price Indexes for Gross Domestic Product, Expanded Detail

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Government consumption expenditures and gross investment	115.329	121.436	122.268	124.423	127.043	130.566	131.589
53	Federal	111.898	115.724	116.325	117.568	119.203	120.951	122.388
54	National defense	110.148	114.240	114.838	116.100	117.965	120.108	120.885
55	Consumption expenditures	111.181	115.647	116.333	117.591	119.477	121.610	122.445
56	Gross investment	105.994	108.721	109.005	110.276	112.055	114.225	114.787
57	Nondefense	114.640	118.111	118.718	119.938	121.279	122.515	124.838
58	Consumption expenditures	116.559	120.394	121.117	122.252	123.474	124.503	127.145
59	Gross investment	109.275	111.746	112.027	113.491	115.167	116.963	118.426
60	State and local	117.568	125.206	126.195	128.957	132.234	136.930	137.680
61	Consumption expenditures	117.635	125.332	126.266	128.842	131.985	136.744	137.050
62	Gross investment	117.262	124.627	125.862	129.515	133.441	137.823	140.811

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.
2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).
3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.
4. Excludes software embedded, or bundled, in computers and other equipment.
5. Research and development investment excludes expenditures for software development. Software development expenditures are included in software investment on line 38.

Table 1.5.5. Gross Domestic Product, Expanded Detail

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	21,060.5	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,663.3
2	Personal consumption expenditures	14,116.2	15,902.6	16,147.3	16,518.0	16,874.8	17,261.3	17,500.3
3	Goods	4,670.1	5,496.5	5,517.1	5,673.7	5,843.2	5,953.6	5,976.6
4	Durable goods	1,646.8	2,060.2	2,035.0	2,101.6	2,183.9	2,181.8	2,195.8
5	Motor vehicles and parts	533.9	688.7	656.3	695.0	737.1	724.5	714.5
6	Furnishings and durable household equipment	411.9	495.0	494.9	499.5	516.8	525.1	533.5
7	Recreational goods and vehicles	494.5	603.9	604.5	623.6	641.4	640.5	653.1
8	Other durable goods	206.4	272.6	279.3	283.5	288.6	291.7	294.7
9	Nondurable goods	3,023.3	3,436.3	3,482.2	3,572.1	3,659.3	3,771.9	3,780.8
10	Food and beverages purchased for off-premises consumption	1,126.1	1,205.0	1,211.7	1,239.0	1,248.5	1,260.4	1,286.9
11	Clothing and footwear	358.4	461.3	471.2	472.8	480.5	488.6	497.6
12	Gasoline and other energy goods	247.8	369.4	387.6	430.6	474.5	541.0	488.4
13	Other nondurable goods	1,291.1	1,400.5	1,411.7	1,429.6	1,455.8	1,481.9	1,507.9
14	Services	9,446.0	10,406.1	10,630.2	10,844.3	11,031.6	11,307.7	11,523.8
15	Household consumption expenditures (for services)	8,942.9	9,940.5	10,167.6	10,355.6	10,525.4	10,779.2	10,974.7
16	Housing and utilities	2,666.6	2,775.4	2,792.4	2,829.4	2,896.1	2,958.4	3,031.4
17	Health care	2,339.2	2,583.5	2,615.1	2,650.9	2,673.4	2,684.8	2,724.4
18	Transportation services	367.7	444.1	484.5	497.0	506.6	551.6	569.6
19	Recreation services	439.6	528.5	551.8	579.6	590.9	610.3	617.9
20	Food services and accommodations	813.5	1,060.9	1,125.3	1,159.2	1,178.0	1,247.0	1,272.0
21	Financial services and insurance	1,170.6	1,275.0	1,287.0	1,312.1	1,309.8	1,309.1	1,306.7
22	Other services	1,145.6	1,273.2	1,311.5	1,327.5	1,370.7	1,418.0	1,452.7
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs) 1	503.2	465.5	462.5	488.6	506.2	528.5	549.1
24	Gross output of nonprofit institutions 2	1,660.6	1,748.8	1,760.6	1,807.0	1,821.2	1,839.1	1,880.6
25	Less: Receipts from sales of goods and services by nonprofit institutions 3	1,157.4	1,283.3	1,298.1	1,318.4	1,315.1	1,310.6	1,331.5
26	Gross private domestic investment	3,642.9	4,113.5	4,109.1	4,499.2	4,671.0	4,609.9	4,590.2
27	Fixed investment	3,698.7	4,132.6	4,164.3	4,259.2	4,413.6	4,464.6	4,490.1
28	Nonresidential	2,797.9	3,025.0	3,046.3	3,111.8	3,225.0	3,292.2	3,382.3
29	Structures	614.4	598.2	599.7	610.3	627.3	631.2	633.6
30	Equipment	1,077.8	1,194.0	1,197.3	1,221.2	1,277.8	1,299.5	1,351.9
31	Information processing equipment	389.3	426.7	420.3	441.3	464.2	458.5	470.3
32	Computers and peripheral equipment	128.9	140.5	138.4	143.5	153.2	145.4	163.1
33	Other	260.3	286.2	281.9	297.8	310.9	313.0	307.3
34	Industrial equipment	237.0	277.3	285.6	298.4	315.8	318.7	311.4
35	Transportation equipment	207.2	224.5	224.4	208.8	208.5	224.0	270.0
36	Other equipment	244.4	265.5	267.0	272.7	289.3	298.3	300.2
37	Intellectual property products	1,105.7	1,232.7	1,249.2	1,280.4	1,319.9	1,361.4	1,396.8
38	Software 4	460.9	512.4	520.3	526.5	545.1	558.9	570.2
39	Research and development 5	556.8	629.8	636.8	656.4	674.3	693.9	712.1
40	Entertainment, literary, and artistic originals	88.0	90.5	92.1	97.5	100.6	108.7	114.5
41	Residential	900.8	1,107.6	1,118.0	1,147.3	1,188.6	1,172.4	1,107.8
42	Change in private inventories	-55.8	-19.1	-55.2	240.0	257.4	145.4	100.2
43	Farm	-6.5	-3.0	-2.0	-4.9	-6.6	-9.5	-12.1
44	Nonfarm	-49.3	-16.1	-53.1	244.9	264.1	154.9	112.2
45	Net exports of goods and services	-627.5	-861.7	-889.1	-914.7	-1,116.7	-1,035.6	-901.4
46	Exports	2,148.6	2,539.6	2,553.3	2,733.0	2,811.2	3,038.8	3,060.0
47	Goods	1,420.0	1,741.5	1,751.6	1,878.2	1,940.9	2,134.7	2,135.0
48	Services	728.6	798.2	801.8	854.9	870.4	904.2	925.1
49	Imports	2,776.1	3,401.4	3,442.5	3,647.7	3,927.9	4,074.4	3,961.4
50	Goods	2,304.5	2,844.7	2,850.5	3,029.0	3,289.3	3,394.8	3,271.4
51	Services	471.6	556.7	592.0	618.7	638.6	679.6	690.0

Table 1.5.5. Gross Domestic Product, Expanded Detail

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Government consumption expenditures and gross investment	3,928.9	4,160.7	4,183.1	4,246.7	4,311.4	4,412.8	4,474.1
53	Federal	1,520.6	1,609.2	1,595.5	1,612.8	1,613.1	1,622.7	1,656.8
54	National defense	882.4	904.0	906.8	904.4	898.7	918.3	935.0
55	Consumption expenditures	701.6	713.0	714.3	710.3	708.4	726.5	742.8
56	Gross investment	180.8	191.0	192.5	194.1	190.4	191.8	192.3
57	Nondefense	638.1	705.1	688.8	708.4	714.4	704.4	721.8
58	Consumption expenditures	468.0	533.8	516.3	533.4	535.2	521.8	535.7
59	Gross investment	170.1	171.4	172.5	175.0	179.3	182.6	186.1
60	State and local	2,408.3	2,551.6	2,587.6	2,633.9	2,698.2	2,790.0	2,817.3
61	Consumption expenditures	1,968.8	2,106.9	2,142.5	2,180.1	2,238.5	2,325.6	2,338.8
62	Gross investment	439.6	444.6	445.1	453.8	459.7	464.5	478.5

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.
2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).
3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.
4. Excludes software embedded, or bundled, in computers and other equipment.
5. Research and development investment excludes expenditures for software development. Software development expenditures are included in software investment on line 38.

Table 1.5.6. Real Gross Domestic Product, Expanded Detail, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Personal consumption expenditures	12,700.7	13,754.1	13,874.4	13,981.5	14,028.4	14,099.5	14,149.0
3	Goods	4,955.7	5,561.9	5,534.6	5,566.7	5,565.7	5,529.6	5,513.4
4	Durable goods	1,914.2	2,268.8	2,206.0	2,233.5	2,275.1	2,259.2	2,254.4
5	Motor vehicles and parts	530.3	614.0	563.8	573.6	594.7	578.7	560.9
6	Furnishings and durable household equipment	469.0	535.4	530.7	522.5	518.4	517.6	521.7
7	Recreational goods and vehicles	704.7	846.3	843.8	867.9	890.1	893.2	910.6
8	Other durable goods	249.2	326.6	333.0	338.0	340.2	343.8	345.4
9	Nondurable goods	3,066.7	3,336.2	3,365.5	3,371.7	3,334.1	3,313.5	3,302.1
10	Food and beverages purchased for off-premises consumption	1,043.1	1,082.0	1,081.8	1,083.3	1,062.7	1,035.3	1,025.2
11	Clothing and footwear	385.7	486.4	495.0	490.9	485.1	489.9	495.6
12	Gasoline and other energy goods	387.9	433.0	445.9	450.2	438.4	436.0	429.4
13	Other nondurable goods	1,205.5	1,299.3	1,310.1	1,314.8	1,315.7	1,322.7	1,324.0
14	Services	7,863.0	8,361.1	8,494.3	8,568.2	8,613.0	8,709.6	8,769.8
15	Household consumption expenditures (for services)	7,460.9	8,023.2	8,164.9	8,234.9	8,270.4	8,359.0	8,409.9
16	Housing and utilities	2,123.1	2,146.7	2,151.7	2,149.1	2,165.9	2,170.5	2,172.1
17	Health care	2,079.1	2,231.5	2,254.9	2,276.1	2,273.5	2,276.0	2,292.6
18	Transportation services	340.8	395.1	425.8	433.1	431.5	439.0	445.7
19	Recreation services	373.1	435.0	452.0	469.0	471.4	481.8	482.8
20	Food services and accommodations	672.2	830.2	871.5	879.4	879.7	913.1	920.6
21	Financial services and insurance	841.3	874.1	875.4	888.4	884.8	888.9	892.2
22	Other services	1,029.7	1,122.2	1,151.0	1,157.8	1,183.2	1,209.9	1,226.1
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs) 1	399.4	341.1	334.0	337.9	346.1	353.6	362.0
24	Gross output of nonprofit institutions ²	1,384.3	1,396.2	1,397.7	1,413.7	1,407.4	1,406.9	1,423.2
25	Less: Receipts from sales of goods and services by nonprofit institutions ³	982.6	1,058.7	1,068.2	1,080.4	1,064.0	1,054.6	1,061.7
26	Gross private domestic investment	3,306.5	3,603.0	3,584.1	3,841.8	3,892.5	3,747.0	3,665.2
27	Fixed investment	3,326.8	3,574.6	3,581.1	3,586.2	3,628.6	3,581.9	3,536.9
28	Nonresidential	2,666.0	2,835.4	2,852.2	2,860.2	2,915.0	2,915.5	2,942.4
29	Structures	510.4	477.5	476.6	460.7	455.6	440.4	422.4
30	Equipment	1,107.3	1,221.8	1,227.1	1,232.0	1,265.7	1,259.1	1,291.7
31	Information processing equipment	492.4	540.4	531.7	556.7	579.0	569.6	583.4
32	Computers and peripheral equipment ⁴	141.8	152.6	149.5	154.2	162.1	152.2	171.1
33	Other	348.7	386.3	380.9	401.8	415.8	418.2	409.0
34	Industrial equipment	224.3	251.0	256.2	263.0	270.9	266.7	257.8
35	Transportation equipment	192.5	222.7	229.2	208.2	206.3	212.1	249.7
36	Other equipment	223.9	236.2	236.0	234.5	241.8	241.8	236.4
37	Intellectual property products	1,051.2	1,153.0	1,166.0	1,188.8	1,219.6	1,245.9	1,267.0
38	Software ⁵	509.0	574.2	582.8	589.7	615.7	630.9	643.2
39	Research and development ⁶	470.9	511.9	516.2	527.3	534.3	541.7	547.7
40	Entertainment, literary, and artistic originals	80.1	80.1	80.9	84.9	86.1	90.9	94.7
41	Residential	649.8	719.4	712.2	710.3	704.7	671.0	621.5
42	Change in private inventories	-54.6	-19.4	-48.6	197.6	214.5	110.2	61.9
43	Farm	-8.4	-3.9	-3.8	-9.8	-15.5	-19.5	-22.9
44	Nonfarm	-46.9	-16.0	-44.8	202.2	223.6	123.6	78.7
45	Net exports of goods and services	-922.6	-1,233.4	-1,267.5	-1,297.6	-1,488.7	-1,430.5	-1,274.0
46	Exports	2,231.7	2,366.8	2,338.8	2,465.7	2,436.9	2,516.9	2,603.2
47	Goods	1,609.7	1,728.9	1,701.5	1,793.5	1,760.2	1,824.9	1,898.6
48	Services	635.8	656.9	654.7	690.3	693.0	709.5	723.9
49	Imports	3,154.3	3,600.2	3,606.3	3,763.3	3,925.6	3,947.5	3,877.2
50	Goods	2,744.6	3,143.0	3,115.9	3,258.2	3,412.7	3,409.5	3,332.5
51	Services	431.3	484.2	510.5	527.5	539.0	560.1	563.4

Table 1.5.6. Real Gross Domestic Product, Expanded Detail, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Government consumption expenditures and gross investment	3,406.7	3,426.3	3,421.0	3,412.9	3,393.4	3,379.5	3,399.8
53	Federal	1,358.9	1,390.5	1,371.4	1,371.5	1,353.0	1,341.3	1,353.4
54	National defense	801.1	791.3	789.5	778.8	761.7	764.5	773.4
55	Consumption expenditures	631.0	616.5	613.9	603.9	592.8	597.3	606.5
56	Gross investment	170.6	175.7	176.6	176.0	169.9	167.9	167.5
57	Nondefense	556.6	597.0	580.0	590.5	588.9	574.8	578.0
58	Consumption expenditures	401.5	443.4	426.1	436.2	433.2	418.9	421.1
59	Gross investment	155.7	153.3	154.0	154.2	155.7	156.2	157.2
60	State and local	2,048.5	2,037.9	2,050.7	2,042.7	2,040.7	2,037.8	2,046.5
61	Consumption expenditures	1,673.6	1,681.1	1,697.1	1,692.4	1,696.4	1,701.0	1,706.9
62	Gross investment	374.8	356.8	353.4	350.2	344.3	336.8	339.6
63	Residual	-100.1	-163.1	-166.1	-159.1	-149.8	-166.2	-219.3

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.

2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).

3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.

4. The quantity index for computers can be used to accurately measure the real growth of this component. However, because computers 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 1.5.2 and real growth rates are shown in table 1.5.1.

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

6. Research and development investment excludes expenditures for software development. Software development expenditures are included in software investment on line 38.

Note. The residual line is the difference between the first line and the sum of the most detailed lines.

Table 1.6.4. Price Indexes for Gross Domestic Purchases

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic purchases	111.733	116.403	117.155	119.101	121.447	123.940	125.332
2	Personal consumption expenditures	111.145	115.621	116.413	118.173	120.323	122.459	123.719
3	Goods	94.237	98.824	99.688	101.923	104.987	107.670	108.404
4	Durable goods	86.032	90.809	92.198	94.029	95.926	96.508	97.334
5	Motor vehicles and parts	100.685	112.176	115.885	120.544	123.343	124.568	126.756
6	Furnishings and durable household equipment	87.835	92.447	93.206	95.532	99.622	101.374	102.197
7	Recreational goods and vehicles	70.177	71.353	71.650	71.864	72.077	71.720	71.743
8	Other durable goods	82.842	83.486	83.919	83.920	84.865	84.884	85.365
9	Nondurable goods	98.585	103.001	103.491	105.969	109.779	113.862	114.522
10	Food and beverages purchased for off-premises consumption	107.965	111.372	112.016	114.379	117.497	121.758	125.522
11	Clothing and footwear	92.907	94.846	95.203	96.340	99.059	99.751	100.418
12	Gasoline and other energy goods	63.878	85.324	87.138	95.858	108.438	124.332	113.973
13	Other nondurable goods	107.096	107.792	107.760	108.744	110.664	112.047	113.899
14	Services	120.133	124.458	125.185	126.607	128.126	129.875	131.448
15	Household consumption expenditures	119.864	123.897	124.568	125.796	127.309	128.996	130.541
16	Housing and utilities	125.603	129.286	129.776	131.659	133.716	136.301	139.560
17	Health care	112.513	115.770	115.982	116.474	117.599	117.968	118.847
18	Transportation services	107.892	112.384	114.057	115.042	117.668	125.966	128.103
19	Recreation services	117.812	121.488	122.235	123.745	125.496	126.843	128.136
20	Food services and accommodations	121.032	127.786	129.336	132.059	134.156	136.813	138.425
21	Financial services and insurance	139.132	145.857	147.046	147.712	148.042	147.295	146.474
22	Other services	111.257	113.457	113.982	114.690	115.888	117.240	118.520
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	125.970	136.460	138.383	144.488	146.102	149.312	151.543
24	Gross private domestic investment	110.342	114.329	114.847	117.292	120.103	122.982	125.205
25	Fixed investment	111.179	115.608	116.290	118.771	121.640	124.647	126.956
26	Nonresidential	104.948	106.688	106.818	108.811	110.646	112.932	114.964
27	Structures	120.380	125.276	125.729	132.340	137.535	143.194	149.840
28	Equipment	97.340	97.726	97.577	99.125	100.963	103.211	104.663
29	Information processing equipment	79.066	78.967	79.064	79.266	80.166	80.490	80.624
30	Computers and peripheral equipment	90.943	92.021	92.592	93.048	94.536	95.532	95.324
31	Other	74.668	74.098	74.008	74.111	74.785	74.856	75.125
32	Industrial equipment	105.654	110.479	111.586	113.572	116.667	119.605	120.903
33	Transportation equipment	107.628	100.817	97.786	100.184	100.956	105.520	108.033
34	Other equipment	109.145	112.419	113.119	116.279	119.629	123.378	126.955
35	Intellectual property products	105.183	106.913	107.156	107.721	108.238	109.282	110.261
36	Software ¹	90.550	89.235	89.288	89.284	88.531	88.586	88.664
37	Research and development	118.235	123.034	123.392	124.507	126.216	128.097	130.039
38	Entertainment, literary, and artistic originals	109.834	113.069	113.908	114.916	116.909	119.633	120.952
39	Residential	138.622	153.963	156.862	161.384	168.513	174.587	178.088
40	Change in private inventories	---	---	---	---	---	---	---
41	Farm	---	---	---	---	---	---	---
42	Nonfarm	---	---	---	---	---	---	---
43	Government consumption expenditures and gross investment	115.329	121.436	122.268	124.423	127.043	130.566	131.589
44	Federal	111.898	115.724	116.325	117.568	119.203	120.951	122.388
45	National defense	110.148	114.240	114.838	116.100	117.965	120.108	120.885
46	Consumption expenditures	111.181	115.647	116.333	117.591	119.477	121.610	122.445
47	Gross investment	105.994	108.721	109.005	110.276	112.055	114.225	114.787
48	Nondefense	114.640	118.111	118.718	119.938	121.279	122.515	124.838
49	Consumption expenditures	116.559	120.394	121.117	122.252	123.474	124.503	127.145
50	Gross investment	109.275	111.746	112.027	113.491	115.167	116.963	118.426
51	State and local	117.568	125.206	126.195	128.957	132.234	136.930	137.680

Table 1.6.4. Price Indexes for Gross Domestic Purchases

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Consumption expenditures	117.635	125.332	126.266	128.842	131.985	136.744	137.050
53	Gross investment	117.262	124.627	125.862	129.515	133.441	137.823	140.811
	Addenda:							
54	Final sales of computers to domestic purchasers ²	80.375	81.810	82.810	82.748	83.722	83.821	83.340
55	Gross domestic purchases excluding final sales of computers to domestic purchasers	112.059	116.769	117.516	119.488	121.851	124.374	125.792
56	Food ³	107.512	110.735	111.321	113.686	116.753	120.835	124.679
57	Energy goods and services	77.985	93.914	95.412	102.607	112.329	125.049	120.747
58	Gross domestic purchases excluding food and energy	113.351	117.718	118.453	120.194	122.247	124.303	125.765
59	Gross domestic product	113.814	118.924	119.763	121.758	124.209	126.914	128.188
60	Gross domestic product excluding final sales of computers	114.079	119.214	120.051	122.061	124.514	127.235	128.523
61	Food ³	104.442	109.526	110.143	112.126	115.351	120.505	124.340
62	Energy goods and services	93.475	112.311	115.415	122.535	138.074	152.091	141.617
63	Gross domestic product excluding food and energy	115.005	119.668	120.447	122.277	124.259	126.456	127.991
64	Final sales of domestic product	113.975	119.165	120.035	122.034	124.489	127.215	128.497
65	Final sales to domestic purchasers	111.876	116.623	117.403	119.352	121.703	124.213	125.613
66	Implicit price deflator for gross domestic purchases	111.705	116.376	117.103	119.050	121.411	123.929	125.318

Legend / Footnotes:

1. Excludes software embedded, or bundled, in computers and other equipment.
2. Some components of final sales of computers include computer parts.
3. Food excludes personal consumption expenditures for purchased meals and beverages, which are classified in food services.

Table 1.6.7. Percent Change From Preceding Period in Prices for Gross Domestic Purchases

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic purchases	1.3	4.2	5.9	6.8	8.1	8.5	4.6
2	Personal consumption expenditures	1.1	4.0	5.6	6.2	7.5	7.3	4.2
3	Goods	-0.7	4.9	7.6	9.3	12.6	10.6	2.8
4	Durable goods	-0.9	5.6	10.0	8.2	8.3	2.4	3.5
5	Motor vehicles and parts	1.7	11.4	24.2	17.1	9.6	4.0	7.2
6	Furnishings and durable household equipment	0.8	5.3	6.9	10.4	18.3	7.2	3.3
7	Recreational goods and vehicles	-4.3	1.7	2.1	1.2	1.2	-2.0	0.1
8	Other durable goods	-2.7	0.8	0.7	0.0	4.6	0.1	2.3
9	Nondurable goods	-0.7	4.5	6.1	9.9	15.2	15.7	2.3
10	Food and beverages purchased for off-premises consumption	3.4	3.2	7.2	8.7	11.4	15.3	13.0
11	Clothing and footwear	-5.1	2.1	2.6	4.9	11.8	2.8	2.7
12	Gasoline and other energy goods	-15.3	33.6	29.3	46.4	63.8	72.8	-29.4
13	Other nondurable goods	1.0	0.6	0.9	3.7	7.3	5.1	6.8
14	Services	2.0	3.6	4.6	4.6	4.9	5.6	4.9
15	Household consumption expenditures	2.0	3.4	4.1	4.0	4.9	5.4	4.9
16	Housing and utilities	2.7	2.9	4.3	5.9	6.4	8.0	9.9
17	Health care	2.5	2.9	1.6	1.7	3.9	1.3	3.0
18	Transportation services	-1.1	4.2	5.6	3.5	9.4	31.3	7.0
19	Recreation services	2.1	3.1	4.4	5.0	5.8	4.4	4.1
20	Food services and accommodations	2.0	5.6	10.5	8.7	6.5	8.2	4.8
21	Financial services and insurance	0.9	4.8	3.8	1.8	0.9	-2.0	-2.2
22	Other services	1.7	2.0	3.5	2.5	4.2	4.7	4.4
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	1.5	8.3	14.2	18.8	4.5	9.1	6.1
24	Gross private domestic investment	1.3	3.6	6.8	8.8	9.9	9.9	7.4
25	Fixed investment	1.4	4.0	7.3	8.8	10.0	10.3	7.6
26	Nonresidential	0.8	1.7	4.6	7.7	6.9	8.5	7.4
27	Structures	1.3	4.1	10.2	22.8	16.7	17.5	19.9
28	Equipment	-0.5	0.4	4.3	6.5	7.6	9.2	5.7
29	Information processing equipment	-1.7	-0.1	1.6	1.0	4.6	1.6	0.7
30	Computers and peripheral equipment	-2.5	1.2	5.2	2.0	6.6	4.3	-0.9
31	Other	-1.3	-0.8	-0.2	0.6	3.7	0.4	1.4
32	Industrial equipment	0.9	4.6	8.4	7.3	11.4	10.5	4.4
33	Transportation equipment	-1.0	-6.3	-0.4	10.2	3.1	19.3	9.9
34	Other equipment	0.4	3.0	8.4	11.7	12.0	13.1	12.1
35	Intellectual property products	1.8	1.6	2.3	2.1	1.9	3.9	3.6
36	Software ¹	-1.1	-1.5	-0.2	0.0	-3.3	0.2	0.4
37	Research and development	4.4	4.1	3.8	3.7	5.6	6.1	6.2
38	Entertainment, literary, and artistic originals	1.3	2.9	5.6	3.6	7.1	9.7	4.5
39	Residential	3.3	11.1	15.0	12.0	18.9	15.2	8.3
40	Change in private inventories	---	---	---	---	---	---	---
41	Farm	---	---	---	---	---	---	---
42	Nonfarm	---	---	---	---	---	---	---
43	Government consumption expenditures and gross investment	1.9	5.3	6.0	7.2	8.7	11.6	3.2
44	Federal	1.1	3.4	4.4	4.3	5.7	6.0	4.8
45	National defense	1.1	3.7	4.4	4.5	6.6	7.5	2.6
46	Consumption expenditures	1.2	4.0	4.8	4.4	6.6	7.3	2.8
47	Gross investment	0.9	2.6	2.7	4.7	6.6	8.0	2.0
48	Nondefense	1.1	3.0	4.4	4.2	4.5	4.1	7.8
49	Consumption expenditures	1.1	3.3	4.9	3.8	4.1	3.4	8.8
50	Gross investment	1.3	2.3	3.1	5.3	6.0	6.4	5.1
51	State and local	2.4	6.5	7.0	9.0	10.6	15.0	2.2

Table 1.6.7. Percent Change From Preceding Period in Prices for Gross Domestic Purchases

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Consumption expenditures	2.6	6.5	6.5	8.4	10.1	15.2	0.9
53	Gross investment	1.4	6.3	9.4	12.1	12.7	13.8	9.0
	Addenda:							
54	Final sales of computers to domestic purchasers ²	-2.7	1.8	6.4	-0.3	4.8	0.5	-2.3
55	Gross domestic purchases excluding final sales of computers to domestic purchasers	1.3	4.2	5.9	6.9	8.1	8.5	4.6
56	Food ³	3.4	3.0	7.4	8.8	11.2	14.7	13.3
57	Energy goods and services	-8.6	20.4	21.1	33.8	43.6	53.6	-13.1
58	Gross domestic purchases excluding food and energy	1.4	3.9	5.4	6.0	7.0	6.9	4.8
59	Gross domestic product	1.3	4.5	6.2	6.8	8.3	9.0	4.1
60	Gross domestic product excluding final sales of computers	1.4	4.5	6.2	6.9	8.3	9.0	4.1
61	Food ³	3.8	4.9	6.1	7.4	12.0	19.1	13.4
62	Energy goods and services	-8.2	20.2	29.1	27.1	61.2	47.2	-24.8
63	Gross domestic product excluding food and energy	1.5	4.1	5.6	6.2	6.6	7.3	4.9
64	Final sales of domestic product	1.4	4.6	6.3	6.8	8.3	9.1	4.1
65	Final sales to domestic purchasers	1.3	4.2	5.9	6.8	8.1	8.5	4.6
66	Final sales to private domestic purchasers	1.2	4.0	5.9	6.7	8.0	7.9	4.9
67	Implicit price deflator for gross domestic purchases ⁴	1.2	4.2	5.9	6.8	8.2	8.6	4.6

Legend / Footnotes:

1. Excludes software embedded, or bundled, in computers and other equipment.
2. Some components of final sales of computers include computer parts.
3. Food excludes personal consumption expenditures for purchased meals and beverages, which are classified in food services.
4. The percent change for this series is calculated from the implicit price deflator in NIPA table 1.6.4.

Table 1.6.8. Contributions to Percent Change in the Gross Domestic Purchases Price Index

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Percent change at annual rate:							
1	Gross domestic purchases	1.3	4.2	5.9	6.8	8.1	8.5	4.6
	Percentage points at annual rates:							
2	Personal consumption expenditures	0.72	2.64	3.74	4.10	4.90	4.81	2.76
3	Goods	-0.16	1.07	1.72	2.06	2.76	2.37	0.64
4	Durable goods	-0.07	0.44	0.86	0.68	0.70	0.22	0.29
5	Motor vehicles and parts	0.04	0.29	0.65	0.45	0.27	0.12	0.19
6	Furnishings and durable household equipment	0.01	0.10	0.14	0.20	0.34	0.14	0.07
7	Recreational goods and vehicles	-0.09	0.04	0.06	0.03	0.03	-0.05	0.00
8	Other durable goods	-0.03	0.01	0.01	0.00	0.05	0.00	0.03
9	Nondurable goods	-0.09	0.63	0.87	1.38	2.07	2.15	0.35
10	Food and beverages purchased for off-premises consumption	0.17	0.16	0.35	0.42	0.54	0.71	0.60
11	Clothing and footwear	-0.09	0.04	0.05	0.09	0.21	0.05	0.05
12	Gasoline and other energy goods	-0.22	0.39	0.41	0.65	0.90	1.10	-0.68
13	Other nondurable goods	0.06	0.04	0.05	0.21	0.41	0.29	0.38
14	Services	0.88	1.56	2.02	2.04	2.13	2.44	2.12
15	Household consumption expenditures	0.85	1.39	1.75	1.69	2.04	2.25	2.00
16	Housing and utilities	0.32	0.35	0.50	0.67	0.72	0.89	1.09
17	Health care	0.28	0.31	0.18	0.18	0.41	0.13	0.31
18	Transportation services	-0.02	0.07	0.12	0.08	0.18	0.57	0.15
19	Recreation services	0.05	0.07	0.10	0.12	0.13	0.10	0.10
20	Food services and accommodations	0.08	0.23	0.47	0.40	0.30	0.38	0.23
21	Financial services and insurance	0.05	0.26	0.21	0.11	0.07	-0.08	-0.10
22	Other services	0.09	0.11	0.19	0.14	0.23	0.26	0.24
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	0.03	0.17	0.26	0.34	0.10	0.18	0.12
24	Gross private domestic investment	0.22	0.61	1.10	1.49	1.77	1.76	1.27
25	Fixed investment	0.23	0.68	1.24	1.48	1.68	1.72	1.26
26	Nonresidential	0.10	0.21	0.57	0.94	0.87	1.06	0.91
27	Structures	0.04	0.11	0.26	0.52	0.39	0.40	0.44
28	Equipment	-0.03	0.02	0.20	0.31	0.38	0.45	0.29
29	Information processing equipment	-0.03	0.00	0.03	0.02	0.08	0.03	0.01
30	Computers and peripheral equipment	-0.01	0.01	0.03	0.01	0.04	0.02	-0.01
31	Other	-0.02	-0.01	0.00	0.01	0.04	0.01	0.02
32	Industrial equipment	0.01	0.05	0.09	0.09	0.13	0.13	0.05
33	Transportation equipment	-0.01	-0.06	-0.01	0.08	0.03	0.15	0.09
34	Other equipment	0.01	0.03	0.09	0.12	0.13	0.14	0.13
35	Intellectual property products	0.09	0.08	0.12	0.11	0.10	0.20	0.19
36	Software ¹	-0.02	-0.03	0.00	0.00	-0.07	0.01	0.01
37	Research and development	0.11	0.11	0.10	0.10	0.15	0.16	0.16
38	Entertainment, literary, and artistic originals	0.01	0.01	0.02	0.01	0.03	0.04	0.02
39	Residential	0.13	0.47	0.66	0.54	0.82	0.66	0.35
40	Change in private inventories	-0.01	-0.07	-0.14	0.01	0.09	0.03	0.00
41	Farm	0.00	0.00	0.00	0.00	-0.02	-0.02	-0.01
42	Nonfarm	-0.01	-0.06	-0.14	0.01	0.11	0.05	0.01
43	Government consumption expenditures and gross investment	0.33	0.93	1.02	1.22	1.45	1.90	0.54
44	Federal	0.08	0.23	0.30	0.28	0.36	0.38	0.30
45	National defense	0.05	0.15	0.17	0.16	0.23	0.26	0.09
46	Consumption expenditures	0.04	0.12	0.14	0.13	0.18	0.20	0.08
47	Gross investment	0.01	0.02	0.02	0.04	0.05	0.06	0.01
48	Nondefense	0.03	0.09	0.13	0.12	0.13	0.12	0.21
49	Consumption expenditures	0.02	0.07	0.11	0.08	0.09	0.07	0.17

Table 1.6.8. Contributions to Percent Change in the Gross Domestic Purchases Price Index

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
50	Gross investment	0.01	0.02	0.02	0.04	0.04	0.04	0.04
51	State and local	0.26	0.70	0.73	0.94	1.09	1.52	0.24
52	Consumption expenditures	0.23	0.58	0.56	0.73	0.87	1.29	0.09
53	Gross investment	0.03	0.12	0.17	0.21	0.22	0.24	0.16
	Addenda:							
54	Final sales of computers to domestic purchasers ²	-0.02	0.02	0.06	0.00	0.05	0.01	-0.02
55	Gross domestic purchases excluding final sales of computers to domestic purchasers	1.30	4.16	5.80	6.81	8.07	8.46	4.59
56	Food ³	0.17	0.15	0.35	0.42	0.54	0.68	0.60
57	Energy goods and services	-0.22	0.46	0.51	0.80	1.07	1.37	-0.43
58	Gross domestic purchases excluding food and energy	1.33	3.57	5.00	5.59	6.51	6.41	4.40

Legend / Footnotes:

1. Excludes software embedded, or bundled, in computers and other equipment.
2. Some components of final sales of computers include computer parts.
3. Food excludes personal consumption expenditures for purchased meals and beverages, which are classified in food services.

Table 1.7.1. Percent Change From Preceding Period in Real Gross Domestic Product, Real Gross National Product, and Real Net National Product

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product (GDP)	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Plus: Income receipts from the rest of the world	-18.2	7.5	11.4	-1.5	2.2	22.1	---
3	Less: Income payments to the rest of the world	-14.5	13.4	4.1	-6.2	0.9	19.6	---
4	Equals: Gross national product	-3.1	5.7	3.0	7.1	-1.6	-0.3	---
5	Less: Consumption of fixed capital	2.7	2.8	3.2	3.1	3.3	3.3	3.1
6	Private	2.9	2.9	3.4	3.3	3.6	3.6	3.3
7	Government	1.9	2.1	2.1	2.0	2.0	2.0	1.9
8	General government	1.9	2.2	2.2	2.1	2.0	2.0	1.9
9	Government enterprises	1.6	1.4	1.6	1.8	2.0	1.8	1.7
10	Equals: Net national product	-4.2	6.3	3.0	7.9	-2.5	-1.0	---
	Addenda:							
11	Gross domestic income (GDI) ¹	-2.3	5.5	4.6	6.7	0.8	0.1	---
12	Average of GDP and GDI ²	-2.5	5.7	3.6	6.8	-0.4	-0.3	---
13	Gross national income ³	-2.6	5.3	4.9	6.9	0.8	0.3	---
14	Net domestic product	-3.8	6.6	2.6	7.7	-2.6	-1.3	2.5
15	Net domestic income ⁴	-3.2	6.0	4.8	7.4	0.3	-0.6	---
16	Net domestic purchases	-3.4	7.8	3.7	7.6	1.1	-2.6	-0.8
17	Gross national product, current dollars	-1.9	10.5	9.4	14.4	6.7	8.7	---
18	Gross domestic income, current dollars	-1.0	10.2	11.1	14.0	9.2	9.2	---
19	Average of GDP and GDI, current dollars ⁵	-1.2	10.4	10.0	14.1	7.9	8.8	---

Legend / Footnotes:

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Gross national income deflated by the implicit price deflator for gross national product.
4. Net domestic income deflated by the implicit price deflator for net domestic product.
5. The arithmetic average of gross domestic product and of gross domestic income.

Table 1.7.3. Real Gross Domestic Product, Real Gross National Product, and Real Net National Product, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.875	120.646	121.033	123.085	122.580	122.403	123.180
2	Plus: Income receipts from the rest of the world	104.484	112.329	113.682	113.258	113.881	119.718	---
3	Less: Income payments to the rest of the world	115.888	131.403	134.205	132.090	132.401	138.460	---
4	Equals: Gross national product	113.336	119.850	120.198	122.276	121.798	121.696	---
5	Less: Consumption of fixed capital	125.071	128.529	129.037	130.031	131.103	132.174	133.186
6	Private	128.918	132.657	133.217	134.314	135.512	136.709	137.835
7	Government	108.895	111.182	111.472	112.038	112.594	113.141	113.676
8	General government	107.938	110.324	110.627	111.200	111.752	112.301	112.840
9	Government enterprises	115.577	117.188	117.391	117.915	118.492	119.033	119.543
10	Equals: Net national product	111.213	118.274	118.594	120.866	120.108	119.793	---
	Addenda:							
11	Net domestic product	111.815	119.190	119.554	121.800	121.005	120.598	121.332
12	Net domestic purchases	113.814	122.735	123.312	125.598	125.939	125.123	124.859

Table 1.7.4. Price Indexes for Gross Domestic Product, Gross National Product, and Net National Product

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.814	118.924	119.763	121.758	124.209	126.914	128.188
2	Plus: Income receipts from the rest of the world	112.348	116.949	117.678	119.627	121.746	124.312	---
3	Less: Income payments to the rest of the world	112.357	116.952	117.680	119.628	121.747	124.313	---
4	Equals: Gross national product	113.794	118.900	119.739	121.733	124.181	126.885	---
5	Less: Consumption of fixed capital	111.048	115.726	116.619	118.991	121.830	124.617	127.112
6	Private	110.701	115.280	116.188	118.556	121.309	124.059	126.644
7	Government	112.728	117.906	118.719	121.110	124.380	127.358	129.390
8	General government	112.200	117.132	117.874	120.182	122.867	125.686	127.654
9	Government enterprises	116.397	123.228	124.515	127.471	134.674	138.725	141.193
10	Equals: Net national product	114.316	119.507	120.334	122.252	124.621	127.307	---
	Addenda:							
11	Net domestic product	114.347	119.544	120.373	122.291	124.662	127.350	128.371
12	Net domestic purchases	111.858	116.527	117.251	119.116	121.370	123.807	124.986

Table 1.7.5. Relation of Gross Domestic Product, Gross National Product, Net National Product, National Income, and Personal Income

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product (GDP)	21,060.5	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,663.3
2	Plus: Income receipts from the rest of the world	971.3	1,087.0	1,106.8	1,120.9	1,147.1	1,231.3	---
3	Less: Income payments to the rest of the world	774.3	913.9	939.0	939.5	958.4	1,023.3	---
4	Equals: Gross national product	21,257.4	23,488.2	23,718.3	24,530.6	24,929.2	25,456.4	---
5	Less: Consumption of fixed capital	3,577.8	3,831.6	3,875.7	3,984.9	4,113.6	4,242.1	4,360.1
6	Private	2,971.8	3,184.5	3,222.5	3,315.2	3,422.4	3,530.9	3,634.2
7	Domestic business	2,340.9	2,480.0	2,504.6	2,576.6	2,652.2	2,736.3	2,818.7
8	Capital consumption allowances	2,612.9	2,775.3	2,795.7	2,833.1	2,798.3	2,833.5	2,869.7
9	Less: Capital consumption adjustment	271.9	295.3	291.1	256.5	146.1	97.1	51.0
10	Households and institutions	630.9	704.5	717.9	738.6	770.2	794.6	815.5
11	Government	605.9	647.1	653.2	669.7	691.2	711.2	725.9
12	General government	524.3	559.5	564.5	578.5	594.4	611.0	623.6
13	Government enterprises	81.6	87.6	88.7	91.2	96.8	100.2	102.4
14	Equals: Net national product	17,679.7	19,656.6	19,842.6	20,545.7	20,815.6	21,214.3	---
15	Less: Statistical discrepancy	-214.9	-128.9	-133.5	-124.2	-277.0	-323.1	---
16	Equals: National income	17,894.6	19,785.5	19,976.1	20,669.9	21,092.6	21,537.4	---
	Less:							
17	Corporate profits with inventory valuation and capital consumption adjustments	2,260.1	2,771.1	2,843.5	2,865.9	2,869.6	3,001.3	---
18	Taxes on production and imports less subsidies ¹	869.0	1,181.5	1,133.7	1,424.3	1,604.9	1,652.0	1,678.8
19	Contributions for government social insurance, domestic	1,450.0	1,540.8	1,554.0	1,595.8	1,634.7	1,660.9	1,688.8
20	Net interest and miscellaneous payments on assets	665.8	644.1	622.0	621.5	630.2	608.2	531.7
21	Business current transfer payments (net)	144.1	171.0	176.9	178.8	170.1	198.7	174.2
22	Current surplus of government enterprises ¹	-0.1	2.1	3.3	5.8	1.8	-3.0	-6.5
23	Plus: Personal income receipts on assets	3,095.4	3,202.4	3,222.9	3,258.5	3,269.9	3,323.0	3,373.0
24	Plus: Personal current transfer receipts	4,231.2	4,617.3	4,139.6	3,925.7	3,868.7	3,883.2	3,882.0
25	Equals: Personal income	19,832.3	21,294.8	21,005.2	21,162.1	21,319.8	21,625.5	21,916.8
	Addenda:							
26	Gross domestic income (GDI)	21,275.4	23,444.0	23,683.9	24,473.3	25,017.5	25,571.6	---
27	Average of GDP and GDI ²	21,167.9	23,379.6	23,617.2	24,411.2	24,879.0	25,410.0	---
28	Gross national income	21,472.4	23,617.1	23,851.8	24,654.8	25,206.2	25,779.5	---
29	Gross national factor income ³	20,459.4	22,262.6	22,537.9	23,046.0	23,429.4	23,931.8	---
30	Net domestic product	17,482.7	19,483.5	19,674.8	20,364.3	20,626.9	21,006.4	21,303.1
31	Net domestic income	17,697.6	19,612.4	19,808.3	20,488.5	20,903.9	21,329.5	---
32	Net national factor income ⁴	16,881.6	18,431.0	18,662.2	19,061.1	19,315.8	19,689.7	---
33	Net domestic purchases	18,110.2	20,345.2	20,563.9	21,279.0	21,743.6	22,041.9	22,204.5
34	Statistical discrepancy as a percentage of GDP	-1.0	-0.6	-0.6	-0.5	-1.1	-1.3	---

Legend / Footnotes:

1. Prior to 1959, current surplus of government enterprises (line 22) is not shown separately; subsidies are included net of the current surplus of government enterprises in line 18.

2. The arithmetic average of gross domestic product and of gross domestic income.

3. Consists of compensation of employees, proprietors' income with inventory valuation adjustment (IVA) and capital consumption adjustment (CCAdj), rental income of persons with CCAdj, corporate profits with IVA and CCAdj, net interest and miscellaneous payments, and consumption of fixed capital.

4. Consists of gross national factor income less consumption of fixed capital.

Table 1.7.6. Relation of Real Gross Domestic Product, Real Gross National Product, and Real Net National Product, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product (GDP)	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Plus: Income receipts from the rest of the world	864.5	929.5	940.6	937.1	942.3	990.6	---
3	Less: Income payments to the rest of the world	689.2	781.4	798.1	785.5	787.4	823.4	---
4	Equals: Gross national product	18,685.4	19,759.3	19,816.7	20,159.3	20,080.4	20,063.7	---
5	Less: Consumption of fixed capital	3,221.8	3,310.9	3,324.0	3,349.6	3,377.2	3,404.8	3,430.9
6	Private	2,684.5	2,762.4	2,774.1	2,796.9	2,821.9	2,846.8	2,870.3
7	Government	537.5	548.8	550.2	553.0	555.8	558.5	561.1
8	General government	467.3	477.7	479.0	481.4	483.8	486.2	488.5
9	Government enterprises	70.1	71.1	71.2	71.5	71.9	72.2	72.5
10	Equals: Net national product	15,470.5	16,452.8	16,497.2	16,813.4	16,707.8	16,664.1	---
	Addenda:							
11	Gross domestic income (GDI) ¹	18,698.0	19,718.3	19,784.1	20,108.2	20,147.2	20,149.9	---
12	Average of GDP and GDI ²	18,603.6	19,664.0	19,728.4	20,057.2	20,035.6	20,022.6	---
13	Gross national income ³	18,874.3	19,867.8	19,928.3	20,261.4	20,303.6	20,318.3	---
14	Net domestic product	15,294.0	16,302.8	16,352.6	16,659.7	16,551.0	16,495.3	16,595.8
15	Net domestic income ⁴	15,482.0	16,410.7	16,463.5	16,761.3	16,773.3	16,749.0	---
16	Net domestic purchases	16,195.2	17,464.6	17,546.8	17,872.1	17,920.6	17,804.4	17,766.9

Legend / Footnotes:

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Gross national income deflated by the implicit price deflator for gross national product.
4. Net domestic income deflated by the implicit price deflator for net domestic product.

Note. Except as noted in footnotes 1, 2 and 3, chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 1.8.3. Command-Basis Real Gross Domestic Product and Gross National Product, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	113.875	120.646	121.033	123.085	122.580	122.403	123.180
2	Less: Exports of goods and services	100.631	106.722	105.462	111.181	109.886	113.493	117.384
3	Plus: Imports of goods and services	113.903	130.002	130.223	135.893	141.755	142.543	140.006
4	Equals: Gross domestic purchases	115.530	123.618	124.186	126.274	126.727	126.202	126.135
5	Plus: Exports of goods and services, command basis ¹	86.711	98.380	98.275	103.473	104.377	110.559	110.094
6	Less: Imports of goods and services, command basis ¹	89.719	105.515	106.106	110.595	116.789	118.708	114.134
7	Equals: Command-basis gross domestic product ^{1,2}	115.965	123.229	123.674	125.779	125.332	125.333	125.977
8	Plus: Income receipts from the rest of the world, command basis ¹	105.059	112.856	114.175	113.744	114.146	120.062	---
9	Less: Income payments to the rest of the world, command basis ¹	116.535	132.023	134.773	132.643	132.695	138.842	---
10	Equals: Command-basis gross national product ^{1,3}	115.397	122.391	122.797	124.928	124.505	124.581	---
	Addenda:							
11	Command-basis net domestic product ⁴	114.266	122.242	122.679	124.990	124.251	124.047	124.612
12	Net domestic product	111.815	119.190	119.554	121.800	121.005	120.598	121.332
13	Command-basis net national product ⁴	113.620	121.264	121.656	123.994	123.290	123.179	---
14	Net national product	111.213	118.274	118.594	120.866	120.108	119.793	---
	Percent change from preceding period (seasonally adjusted at annual rates):							
15	Real gross domestic product	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
16	Command-basis gross domestic product	-2.7	6.3	3.0	7.0	-1.4	0.0	2.1
17	Real gross national product	-3.1	5.7	3.0	7.1	-1.6	-0.3	---
18	Command-basis gross national product	-3.1	6.1	3.3	7.1	-1.3	0.2	---

Legend / Footnotes:

1. Deflator is the gross domestic purchases price index.
2. This measure is called 'real gross domestic income' in the System of National Accounts, 2008.
3. This measure is called 'real gross national income' in the System of National Accounts, 2008.
4. Deflator is the net domestic purchases price index.

Table 1.8.6. Command-Basis Real Gross Domestic Product and Gross National Product, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Less: Exports of goods and services	2,231.7	2,366.8	2,338.8	2,465.7	2,436.9	2,516.9	2,603.2
3	Plus: Imports of goods and services	3,154.3	3,600.2	3,606.3	3,763.3	3,925.6	3,947.5	3,877.2
4	Equals: Gross domestic purchases	19,415.5	20,774.8	20,870.2	21,221.1	21,297.3	21,208.9	21,197.8
5	Plus: Exports of goods and services, command basis ¹	1,923.0	2,181.8	2,179.5	2,294.7	2,314.8	2,451.9	2,441.6
6	Less: Imports of goods and services, command basis ¹	2,484.6	2,922.1	2,938.4	3,062.7	3,234.3	3,287.4	3,160.7
7	Equals: Command-basis gross domestic product ^{1,2}	18,848.9	20,029.6	20,102.0	20,444.1	20,371.4	20,371.6	20,476.3
8	Plus: Income receipts from the rest of the world, command basis ¹	869.3	933.8	944.7	941.2	944.5	993.4	---
9	Less: Income payments to the rest of the world, command basis ¹	693.0	785.1	801.5	788.8	789.1	825.7	---
10	Equals: Command-basis gross national product ^{1,3}	19,025.2	20,178.3	20,245.3	20,596.5	20,526.8	20,539.4	---
	Addenda:							
11	Command-basis net domestic product ⁴	15,629.3	16,720.2	16,780.1	17,096.1	16,995.0	16,967.1	17,044.4
12	Net domestic product	15,294.0	16,302.8	16,352.6	16,659.7	16,551.0	16,495.3	16,595.8
13	Command-basis net national product ⁴	15,805.4	16,868.7	16,923.2	17,248.4	17,150.5	17,135.0	---
14	Net national product	15,470.5	16,452.8	16,497.2	16,813.4	16,707.8	16,664.1	---
	Trade indexes (seasonally adjusted):							
15	Trading gains index ⁵	101.862	102.165	102.227	102.231	102.274	102.400	102.279
16	Terms of trade index ⁶	109.394	113.572	114.344	114.324	115.261	116.943	115.018
17	Terms of trade, goods ⁷	105.067	111.285	112.506	112.607	114.365	117.446	114.517
18	Terms of trade, nonpetroleum goods ⁸	95.972	104.640	106.078	107.033	109.533	114.776	111.164

Legend / Footnotes:

1. Deflator is the gross domestic purchases price index.
2. This measure is called 'real gross domestic income' in the System of National Accounts, 2008.
3. This measure is called 'real gross national income' in the System of National Accounts, 2008.
4. Deflator is the net domestic purchases price index.
5. Ratio (multiplied by 100) of price index for gross domestic product to the price index for gross domestic purchases.
6. Ratio (multiplied by 100) of the price index for exports of goods and services to the price index for imports of goods and services.
7. Ratio (multiplied by 100) of the price index for goods exports to the price index for goods imports.
8. Ratio (multiplied by 100) of the price index for goods exports to the price index for nonpetroleum goods imports.

Table 1.10. Gross Domestic Income by Type of Income

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross domestic income	21,275.4	23,444.0	23,683.9	24,473.3	25,017.5	25,571.6	---
2	Compensation of employees, paid	11,600.6	12,549.1	12,692.6	13,055.6	13,273.5	13,482.8	13,710.4
3	Wages and salaries	9,465.2	10,300.8	10,433.6	10,759.7	10,939.3	11,122.3	11,320.8
4	To persons	9,450.8	10,283.2	10,415.4	10,741.4	10,918.5	11,101.4	---
5	To the rest of the world	14.4	17.6	18.2	18.2	20.8	21.0	---
6	Supplements to wages and salaries	2,135.4	2,248.4	2,259.0	2,296.0	2,334.2	2,360.5	2,389.6
7	Taxes on production and imports	1,526.3	1,663.4	1,680.0	1,713.2	1,750.1	1,775.5	1,792.8
8	Less: Subsidies ¹	657.3	481.9	546.3	289.0	145.2	123.5	114.1
9	Net operating surplus	5,228.0	5,881.8	5,982.0	6,008.6	6,025.5	6,194.6	---
10	Private enterprises	5,228.2	5,879.8	5,978.7	6,002.8	6,023.7	6,197.6	---
11	Net interest and miscellaneous payments, domestic industries	890.7	872.7	854.7	851.5	864.6	848.8	---
12	Business current transfer payments (net)	144.1	171.0	176.9	178.8	170.1	198.7	174.2
13	Proprietors' income with inventory valuation and capital consumption adjustments	1,643.1	1,753.6	1,792.7	1,789.8	1,811.4	1,835.4	1,859.5
14	Rental income of persons with capital consumption adjustment	719.8	723.8	722.7	739.6	744.9	775.9	794.5
15	Corporate profits with inventory valuation and capital consumption adjustments, domestic industries	1,830.5	2,358.7	2,431.8	2,443.2	2,432.7	2,538.9	---
16	Taxes on corporate income	288.9	388.2	387.1	430.0	495.1	478.7	---
17	Profits after tax with inventory valuation and capital consumption adjustments	1,541.6	1,970.5	2,044.7	2,013.2	1,937.7	2,060.3	---
18	Net dividends	1,221.6	1,401.6	1,359.6	1,532.3	1,343.3	1,338.5	---
19	Undistributed corporate profits with inventory valuation and capital consumption adjustments	320.0	568.9	685.1	480.9	594.4	721.8	---
20	Current surplus of government enterprises ¹	-0.1	2.1	3.3	5.8	1.8	-3.0	-6.5
21	Consumption of fixed capital	3,577.8	3,831.6	3,875.7	3,984.9	4,113.6	4,242.1	4,360.1
22	Private	2,971.8	3,184.5	3,222.5	3,315.2	3,422.4	3,530.9	3,634.2
23	Government	605.9	647.1	653.2	669.7	691.2	711.2	725.9
Addendum:								
24	Statistical discrepancy	-214.9	-128.9	-133.5	-124.2	-277.0	-323.1	---

Legend / Footnotes:

1. Prior to 1959, subsidies (line 8) and the current surplus of government enterprises (line 20) are not shown separately; subsidies are presented net of the current surplus of government enterprises.

Table 1.12. National Income by Type of Income

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	National income	17,894.6	19,785.5	19,976.1	20,669.9	21,092.6	21,537.4	---
2	Compensation of employees	11,592.7	12,538.5	12,681.3	13,044.4	13,259.7	13,469.0	13,696.5
3	Wages and salaries	9,457.4	10,290.1	10,422.3	10,748.4	10,925.5	11,108.4	11,307.0
4	Government	1,494.5	1,544.1	1,564.2	1,572.7	1,587.8	1,600.4	1,619.1
5	Other	7,962.9	8,746.0	8,858.2	9,175.7	9,337.8	9,508.1	9,687.9
6	Supplements to wages and salaries	2,135.4	2,248.4	2,259.0	2,296.0	2,334.2	2,360.5	2,389.6
7	Employer contributions for employee pension and insurance funds ¹	1,476.2	1,550.3	1,554.6	1,571.3	1,589.6	1,603.6	1,619.1
8	Employer contributions for government social insurance	659.1	698.1	704.4	724.6	744.6	756.9	770.5
9	Proprietors' income with IVA and CCAAdj	1,643.1	1,753.6	1,792.7	1,789.8	1,811.4	1,835.4	1,859.5
10	Farm	45.2	51.3	63.8	43.9	74.4	95.7	95.7
11	Nonfarm	1,597.9	1,702.2	1,728.9	1,745.9	1,737.0	1,739.7	1,763.8
12	Rental income of persons with CCAAdj	719.8	723.8	722.7	739.6	744.9	775.9	794.5
13	Corporate profits with IVA and CCAAdj	2,260.1	2,771.1	2,843.5	2,865.9	2,869.6	3,001.3	---
14	Taxes on corporate income	288.9	388.2	387.1	430.0	495.1	478.7	---
15	Profits after tax with IVA and CCAAdj	1,971.2	2,382.8	2,456.4	2,435.9	2,374.6	2,522.6	---
16	Net dividends	1,541.3	1,659.3	1,693.8	1,730.2	1,743.6	1,740.4	1,693.5
17	Undistributed profits with IVA and CCAAdj	429.9	723.6	762.6	705.7	631.0	782.2	---
18	Net interest and miscellaneous payments	665.8	644.1	622.0	621.5	630.2	608.2	531.7
19	Taxes on production and imports	1,526.3	1,663.4	1,680.0	1,713.2	1,750.1	1,775.5	1,792.8
20	Less: Subsidies ²	657.3	481.9	546.3	289.0	145.2	123.5	114.1
21	Business current transfer payments (net)	144.1	171.0	176.9	178.8	170.1	198.7	174.2
22	To persons (net)	44.1	71.0	75.2	73.2	71.1	74.1	69.8
23	To government (net)	97.5	97.4	96.3	96.3	95.1	117.4	93.3
24	To the rest of the world (net)	2.5	2.7	5.3	9.3	3.9	7.2	11.1
25	Current surplus of government enterprises ²	-0.1	2.1	3.3	5.8	1.8	-3.0	-6.5
	Addenda for corporate cash flow:							
26	Net cash flow with IVA	2,374.7	2,778.9	2,797.2	2,852.1	2,837.6	2,954.0	---
27	Undistributed profits with IVA and CCAAdj	429.9	723.6	762.6	705.7	631.0	782.2	---
28	Consumption of fixed capital	1,958.5	2,068.2	2,087.4	2,146.1	2,206.2	2,275.6	2,344.6
29	Less: Capital transfers paid (net)	13.6	12.8	52.8	-0.3	-0.4	103.7	---
	Addenda:							
30	Proprietors' income with IVA and CCAAdj	1,643.1	1,753.6	1,792.7	1,789.8	1,811.4	1,835.4	1,859.5
31	Farm	45.2	51.3	63.8	43.9	74.4	95.7	95.7
32	Proprietors' income with IVA	51.8	59.1	71.9	53.0	84.2	106.4	106.9
33	Capital consumption adjustment	-6.7	-7.8	-8.1	-9.1	-9.8	-10.7	-11.2
34	Nonfarm	1,597.9	1,702.2	1,728.9	1,745.9	1,737.0	1,739.7	1,763.8
35	Proprietors' income (without IVA and CCAAdj)	1,187.1	1,297.1	1,328.6	1,340.1	1,370.4	1,388.4	1,394.1
36	Inventory valuation adjustment	-4.6	-36.5	-36.7	-26.2	-34.6	-42.9	-18.1
37	Capital consumption adjustment	415.4	441.6	437.0	431.9	401.3	394.2	387.8
38	Rental income of persons with CCAAdj	719.8	723.8	722.7	739.6	744.9	775.9	794.5
39	Rental income of persons (without CCAAdj)	743.4	752.2	752.2	770.5	778.2	810.9	830.6
40	Capital consumption adjustment	-23.5	-28.4	-29.4	-30.9	-33.4	-35.0	-36.1
41	Corporate profits with IVA and CCAAdj	2,260.1	2,771.1	2,843.5	2,865.9	2,869.6	3,001.3	---
42	Corporate profits with IVA	2,373.5	2,881.2	2,951.8	3,001.4	3,081.6	3,252.7	---
43	Profits before tax (without IVA and CCAAdj)	2,399.8	3,138.1	3,214.2	3,190.7	3,328.5	3,521.8	---
44	Taxes on corporate income	288.9	388.2	387.1	430.0	495.1	478.7	---
45	Profits after tax (without IVA and CCAAdj)	2,110.9	2,749.8	2,827.1	2,760.8	2,833.4	3,043.1	---
46	Net dividends	1,541.3	1,659.3	1,693.8	1,730.2	1,743.6	1,740.4	1,693.5
47	Undistributed profits (without IVA and CCAAdj)	569.6	1,090.6	1,133.3	1,030.6	1,089.8	1,302.7	---
48	Inventory valuation adjustment	-26.4	-256.9	-262.4	-189.4	-246.9	-269.1	---
49	Capital consumption adjustment	-113.4	-110.1	-108.3	-135.5	-212.0	-251.4	-289.4

Legend / Footnotes:

IVA Inventory valuation adjustment

CCAAdj Capital consumption adjustment

1. Includes actual employer contributions and actuarially imputed employer contributions to reflect benefits accrued by defined benefit pension plan participants through service to employers in the current period.

2. Prior to 1959, subsidies (line 20) and the current surplus of government enterprises (line 25) are not shown separately; subsidies are presented net of the current surplus of government enterprises.

Table 1.14. Gross Value Added of Domestic Corporate Business in Current Dollars and Gross Value Added of Nonfinancial Domestic Corporate Business in Current and Chained Dollars

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross value added of corporate business ¹	12,056.5	13,680.4	13,880.7	14,344.1	14,649.2	15,029.4	---
2	Consumption of fixed capital	1,958.5	2,068.2	2,087.4	2,146.1	2,206.2	2,275.6	2,344.6
3	Net value added	10,098.0	11,612.2	11,793.3	12,198.0	12,443.0	12,753.8	---
4	Compensation of employees	7,155.8	7,854.6	7,950.8	8,218.2	8,362.6	8,508.4	8,661.4
5	Wages and salaries	6,037.7	6,658.9	6,748.8	6,993.5	7,111.2	7,240.8	7,377.6
6	Supplements to wages and salaries	1,118.0	1,195.8	1,201.9	1,224.7	1,251.4	1,267.5	1,283.8
7	Taxes on production and imports less subsidies	624.5	857.8	864.5	987.3	1,100.2	1,137.2	1,154.0
8	Net operating surplus	2,317.8	2,899.8	2,978.0	2,992.5	2,980.2	3,108.3	---
9	Net interest and miscellaneous payments	363.3	395.3	396.0	397.5	404.0	396.8	---
10	Business current transfer payments (net)	124.0	145.8	150.2	151.8	143.4	172.6	148.9
11	Corporate profits with IVA and CCAj	1,830.5	2,358.7	2,431.8	2,443.2	2,432.7	2,538.9	---
12	Taxes on corporate income	288.9	388.2	387.1	430.0	495.1	478.7	---
13	Profits after tax with IVA and CCAj	1,541.6	1,970.5	2,044.7	2,013.2	1,937.7	2,060.3	---
14	Net dividends	1,221.6	1,401.6	1,359.6	1,532.3	1,343.3	1,338.5	---
15	Undistributed profits with IVA and CCAj	320.0	568.9	685.1	480.9	594.4	721.8	---
16	Gross value added of financial corporate business ¹	1,705.5	1,905.7	1,925.8	1,982.1	1,964.3	1,967.3	---
17	Gross value added of nonfinancial corporate business ¹	10,351.0	11,774.6	11,954.8	12,362.0	12,684.9	13,062.1	---
18	Consumption of fixed capital	1,709.3	1,801.3	1,816.9	1,867.2	1,921.6	1,982.0	2,042.0
19	Net value added	8,641.7	9,973.3	10,137.9	10,494.7	10,763.3	11,080.0	---
20	Compensation of employees	6,327.8	6,955.6	7,063.0	7,295.2	7,432.5	7,566.8	7,704.0
21	Wages and salaries	5,329.1	5,888.2	5,990.2	6,202.2	6,314.4	6,433.8	6,556.0
22	Supplements to wages and salaries	998.7	1,067.4	1,072.8	1,093.0	1,118.1	1,133.0	1,148.1
23	Taxes on production and imports less subsidies	550.3	789.2	798.5	914.7	1,024.1	1,060.0	1,076.2
24	Net operating surplus	1,763.5	2,228.6	2,276.4	2,284.8	2,306.7	2,453.2	---
25	Net interest and miscellaneous payments	287.9	285.4	285.9	287.2	292.4	287.7	---
26	Business current transfer payments (net)	88.3	96.6	94.3	91.5	92.0	90.9	90.5
27	Corporate profits with IVA and CCAj	1,387.3	1,846.5	1,896.2	1,906.0	1,922.4	2,074.6	---
28	Taxes on corporate income	204.0	280.9	275.6	314.9	395.9	399.7	---
29	Profits after tax with IVA and CCAj	1,183.3	1,565.6	1,620.6	1,591.2	1,526.5	1,674.9	---
30	Net dividends	850.2	1,042.2	998.3	1,126.5	960.4	939.8	---
31	Undistributed profits with IVA and CCAj	333.1	523.5	622.3	464.7	566.1	735.1	---
	Addenda:							
	Corporate business:							
32	Profits before tax (without IVA and CCAj)	1,970.2	2,725.7	2,802.5	2,768.0	2,891.6	3,059.4	---
33	Profits after tax (without IVA and CCAj)	1,681.3	2,337.5	2,415.4	2,338.1	2,396.5	2,580.8	---
34	Undistributed profits after tax (without IVA and CCAj)	459.7	935.9	1,055.8	805.8	1,053.3	1,242.3	---
35	Inventory valuation adjustment	-26.4	-256.9	-262.4	-189.4	-246.9	-269.1	---
36	Capital consumption adjustment	-113.4	-110.1	-108.3	-135.5	-212.0	-251.4	-289.4
	Nonfinancial corporate business:							
37	Profits before tax (without IVA and CCAj)	1,455.6	2,140.7	2,194.2	2,154.4	2,298.2	2,507.0	---
38	Profits after tax (without IVA and CCAj)	1,251.6	1,859.8	1,918.6	1,839.6	1,902.3	2,107.3	---
39	Inventory valuation adjustment	-26.4	-256.9	-262.4	-189.4	-246.9	-269.1	---
40	Capital consumption adjustment	-41.9	-37.3	-35.6	-59.0	-128.9	-163.3	-196.2
	Value added, in billions of chained (2012) dollars:							
41	Gross value added of nonfinancial corporate business ²	9,210.3	9,976.6	10,035.0	10,165.8	10,134.7	10,132.1	---
42	Consumption of fixed capital ³	1,622.4	1,668.5	1,675.8	1,695.1	1,719.4	1,748.3	1,776.6
43	Net value added ⁴	7,587.8	8,308.2	8,359.2	8,470.8	8,415.3	8,383.8	---

Legend / Footnotes:

1. Estimates for financial corporate business and nonfinancial corporate business for 2000 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).
2. The current-dollar gross value added is deflated using the gross value added chain-type price index for nonfinancial industries from the GDP-by-industry accounts. For periods when this price index is not available, the chain-type price index for GDP goods and structures is used.
3. Chained-dollar consumption of fixed capital of nonfinancial corporate business is calculated as the product of the chain-type quantity index and the 2012 current-dollar value of the corresponding series, divided by 100.
4. Chained-dollar net value added of nonfinancial corporate business is the difference between the gross product and the consumption of fixed capital.

IVA Inventory valuation adjustment

CCAj Capital consumption adjustment

Table 1.15. Price, Costs, and Profit Per Unit of Real Gross Value Added of Nonfinancial Domestic Corporate Business

[Dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Price per unit of real gross value added of nonfinancial corporate business ¹	1.124	1.180	1.191	1.216	1.252	1.289	---
2	Compensation of employees (unit labor cost)	0.687	0.697	0.704	0.718	0.733	0.747	---
3	Unit nonlabor cost	0.286	0.298	0.299	0.311	0.329	0.338	---
4	Consumption of fixed capital	0.186	0.181	0.181	0.184	0.190	0.196	---
5	Taxes on production and imports less subsidies plus business current transfer payments (net)	0.069	0.089	0.089	0.099	0.110	0.114	---
6	Net interest and miscellaneous payments	0.031	0.029	0.028	0.028	0.029	0.028	---
7	Corporate profits with IVA and CCAj (unit profits from current production)	0.151	0.185	0.189	0.187	0.190	0.205	---
8	Taxes on corporate income	0.022	0.028	0.027	0.031	0.039	0.039	---
9	Profits after tax with IVA and CCAj	0.128	0.157	0.161	0.157	0.151	0.165	---

Legend / Footnotes:

1. The implicit price deflator for gross value added of nonfinancial corporate business divided by 100. Estimates for nonfinancial corporate business for 2000 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. The current-dollar gross value added is deflated using the gross value added chain-type price index for nonfinancial industries from the GDP-by-industry accounts. For periods when this price index is not available, the chain-type price index for GDP goods and structures is used.

IVA Inventory valuation adjustment

CCAj Capital consumption adjustment

Table 1.17.1. Percent Change From Preceding Period in Real Gross Domestic Product, Real Gross Domestic Income, and Other Major NIPA Aggregates

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Production in the United States:							
1	Gross domestic product (GDP)	-2.8	5.9	2.7	7.0	-1.6	-0.6	2.6
2	Gross domestic income (GDI)	-2.3	5.5	4.6	6.7	0.8	0.1	---
3	Average of GDP and GDI ¹	-2.5	5.7	3.6	6.8	-0.4	-0.3	---
4	Net domestic product ²	-3.8	6.6	2.6	7.7	-2.6	-1.3	2.5
5	Net domestic income ²	-3.2	6.0	4.8	7.4	0.3	-0.6	---
	Production by labor and capital supplied by U.S. residents:							
6	Gross national product	-3.1	5.7	3.0	7.1	-1.6	-0.3	---
7	Gross national income	-2.6	5.3	4.9	6.9	0.8	0.3	---
8	Net national product ²	-4.2	6.3	3.0	7.9	-2.5	-1.0	---
	Final expenditures by U.S. residents:							
9	Gross domestic purchases	-2.4	7.0	3.6	6.9	1.4	-1.6	-0.2
10	Final sales to domestic purchasers ³	-1.9	6.7	1.7	2.0	1.3	0.2	0.5
11	Final sales to private domestic purchasers ⁴	-2.8	8.1	2.1	2.6	2.1	0.5	0.1
	Purchasing power of income: ⁵							
12	Command-basis gross domestic product	-2.7	6.3	3.0	7.0	-1.4	0.0	2.1
13	Command-basis net domestic product ²	-3.8	7.0	2.9	7.8	-2.3	-0.7	1.8
14	Command-basis gross national product	-3.1	6.1	3.3	7.1	-1.3	0.2	---
15	Command-basis net national product ²	-4.2	6.7	3.3	7.9	-2.3	-0.4	---
	After-tax income received by the personal sector:							
16	Disposable personal income	6.2	1.8	-4.6	-4.9	-10.6	-1.5	1.7

Legend / Footnotes:

1. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
2. In this table, the net measures are the corresponding gross measures excluding the depreciation of fixed assets as measured by the consumption of fixed capital.
3. Gross domestic purchases excluding change in private inventories.
4. Final sales to domestic purchasers less government consumption expenditures and gross investment.
5. The command-basis estimates (lines 12-15) measure the purchasing power of the income generated by the sale of goods and services produced; they reflect gains or losses in real income resulting from changes in the terms of trade for exports and imports. For more detail on the command-basis measures, see NIPA tables 1.8.3 and 1.8.6.

Table 1.17.5. Gross Domestic Product, Gross Domestic Income, and Other Major NIPA Aggregates

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Production in the United States:							
1	Gross domestic product (GDP)	21,060.5	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,663.3
2	Gross domestic income (GDI)	21,275.4	23,444.0	23,683.9	24,473.3	25,017.5	25,571.6	---
3	Average of GDP and GDI ¹	21,167.9	23,379.6	23,617.2	24,411.2	24,879.0	25,410.0	---
4	Net domestic product ²	17,482.7	19,483.5	19,674.8	20,364.3	20,626.9	21,006.4	21,303.1
5	Net domestic income ²	17,697.6	19,612.4	19,808.3	20,488.5	20,903.9	21,329.5	---
	Production by labor and capital supplied by U.S. residents:							
6	Gross national product	21,257.4	23,488.2	23,718.3	24,530.6	24,929.2	25,456.4	---
7	Gross national income	21,472.4	23,617.1	23,851.8	24,654.8	25,206.2	25,779.5	---
8	Net national product ²	17,679.7	19,656.6	19,842.6	20,545.7	20,815.6	21,214.3	---
9	National income ³	17,894.6	19,785.5	19,976.1	20,669.9	21,092.6	21,537.4	---
	Final expenditures by U.S. residents:							
10	Gross domestic purchases	21,688.0	24,176.8	24,439.6	25,263.8	25,857.2	26,284.0	26,564.7
11	Final sales to domestic purchasers ⁴	21,743.8	24,195.9	24,494.7	25,023.8	25,599.7	26,138.7	26,464.5
12	Final sales to private domestic purchasers ⁵	17,814.9	20,035.2	20,311.6	20,777.1	21,288.4	21,725.9	21,990.4
	After-tax income received by the personal sector:							
13	Disposable personal income	17,595.9	18,633.1	18,312.0	18,356.1	18,174.4	18,427.6	18,696.0

Legend / Footnotes:

1. The arithmetic average of gross domestic product and of gross domestic income.

2. In this table, net measures are the corresponding gross measures excluding the depreciation of fixed assets as measured by the consumption of fixed capital.

3. Equals gross national income less the depreciation of fixed assets as measured by the consumption of fixed capital.

4. Equals gross domestic purchases less change in private inventories.

5. Final sales to domestic purchasers less government consumption expenditures and gross investment.

Table 1.17.6. Real Gross Domestic Product, Real Gross Domestic Income, and Other Major NIPA Aggregates, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Production in the United States:							
1	Gross domestic product (GDP)	18,509.1	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,021.7
2	Gross domestic income (GDI)	18,698.0	19,718.3	19,784.1	20,108.2	20,147.2	20,149.9	---
3	Average of GDP and GDI ¹	18,603.6	19,664.0	19,728.4	20,057.2	20,035.6	20,022.6	---
4	Net domestic product ²	15,294.0	16,302.8	16,352.6	16,659.7	16,551.0	16,495.3	16,595.8
5	Net domestic income ²	15,482.0	16,410.7	16,463.5	16,761.3	16,773.3	16,749.0	---
	Production by labor and capital supplied by U.S. residents:							
6	Gross national product	18,685.4	19,759.3	19,816.7	20,159.3	20,080.4	20,063.7	---
7	Gross national income	18,874.3	19,867.8	19,928.3	20,261.4	20,303.6	20,318.3	---
8	Net national product ²	15,470.5	16,452.8	16,497.2	16,813.4	16,707.8	16,664.1	---
	Final expenditures by U.S. residents:							
9	Gross domestic purchases	19,415.5	20,774.8	20,870.2	21,221.1	21,297.3	21,208.9	21,197.8
10	Final sales to domestic purchasers ³	19,435.6	20,747.2	20,867.5	20,970.1	21,038.4	21,047.3	21,072.1
11	Final sales to private domestic purchasers ⁴	16,027.3	17,328.4	17,455.3	17,567.4	17,656.9	17,680.5	17,684.0
	Purchasing power of income: ⁵							
12	Command-basis gross domestic product	18,848.9	20,029.6	20,102.0	20,444.1	20,371.4	20,371.6	20,476.3
13	Command-basis net domestic product ²	15,629.3	16,720.2	16,780.1	17,096.1	16,995.0	16,967.1	17,044.4
14	Command-basis gross national product	19,025.2	20,178.3	20,245.3	20,596.5	20,526.8	20,539.4	---
15	Command-basis net national product ²	15,805.4	16,868.7	16,923.2	17,248.4	17,150.5	17,135.0	---
	After-tax income received by the personal sector:							
16	Disposable personal income	15,831.6	16,115.7	15,734.4	15,537.3	15,108.8	15,052.1	15,115.7

Legend / Footnotes:

1. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
2. In this table, the net measures are the corresponding gross measures excluding the depreciation of fixed assets as measured by the consumption of fixed capital.
3. Gross domestic purchases excluding change in private inventories.
4. Final sales to domestic purchasers less government consumption expenditures and gross investment.
5. The command-basis estimates (lines 12-15) measure the purchasing power of the income generated by the sale of goods and services produced; they reflect gains or losses in real income resulting from changes in the terms of trade for exports and imports. For more detail on the command-basis measures, see NIPA tables 1.8.3 and 1.8.6.

Table 2.1. Personal Income and Its Disposition

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Personal income	19,832.3	21,294.8	21,005.2	21,162.1	21,319.8	21,625.5	21,916.8
2	Compensation of employees	11,592.7	12,538.5	12,681.3	13,044.4	13,259.7	13,469.0	13,696.5
3	Wages and salaries	9,457.4	10,290.1	10,422.3	10,748.4	10,925.5	11,108.4	11,307.0
4	Private industries	7,962.9	8,746.0	8,858.2	9,175.7	9,337.8	9,508.1	9,687.9
5	Government	1,494.5	1,544.1	1,564.2	1,572.7	1,587.8	1,600.4	1,619.1
6	Supplements to wages and salaries	2,135.4	2,248.4	2,259.0	2,296.0	2,334.2	2,360.5	2,389.6
7	Employer contributions for employee pension and insurance funds ¹	1,476.2	1,550.3	1,554.6	1,571.3	1,589.6	1,603.6	1,619.1
8	Employer contributions for government social insurance	659.1	698.1	704.4	724.6	744.6	756.9	770.5
9	Proprietors' income with inventory valuation and capital consumption adjustments	1,643.1	1,753.6	1,792.7	1,789.8	1,811.4	1,835.4	1,859.5
10	Farm	45.2	51.3	63.8	43.9	74.4	95.7	95.7
11	Nonfarm	1,597.9	1,702.2	1,728.9	1,745.9	1,737.0	1,739.7	1,763.8
12	Rental income of persons with capital consumption adjustment	719.8	723.8	722.7	739.6	744.9	775.9	794.5
13	Personal income receipts on assets	3,095.4	3,202.4	3,222.9	3,258.5	3,269.9	3,323.0	3,373.0
14	Personal interest income	1,647.3	1,658.6	1,655.7	1,657.5	1,670.8	1,708.6	1,743.0
15	Personal dividend income	1,448.1	1,543.9	1,567.3	1,601.0	1,599.1	1,614.4	1,630.1
16	Personal current transfer receipts	4,231.2	4,617.3	4,139.6	3,925.7	3,868.7	3,883.2	3,882.0
17	Government social benefits to persons	4,187.1	4,546.4	4,064.4	3,852.5	3,797.7	3,809.1	3,812.2
18	Social security ²	1,077.9	1,114.6	1,116.8	1,126.5	1,198.7	1,206.9	1,213.9
19	Medicare ³	815.7	880.6	889.5	900.0	908.0	911.8	920.3
20	Medicaid	657.6	735.6	748.2	745.0	763.1	789.5	799.4
21	Unemployment insurance	537.4	320.9	245.1	33.8	23.6	18.6	18.6
22	Veterans' benefits	145.5	154.2	155.1	156.4	157.7	159.7	161.7
23	Other	952.9	1,340.5	909.6	890.9	746.6	722.7	698.3
24	Other current transfer receipts, from business (net)	44.1	71.0	75.2	73.2	71.1	74.1	69.8
25	Less: Contributions for government social insurance, domestic	1,450.0	1,540.8	1,554.0	1,595.8	1,634.7	1,660.9	1,688.8
26	Less: Personal current taxes	2,236.4	2,661.7	2,693.2	2,806.1	3,145.5	3,197.9	3,220.8
27	Equals: Disposable personal income	17,595.9	18,633.1	18,312.0	18,356.1	18,174.4	18,427.6	18,696.0
28	Less: Personal outlays	14,603.6	16,389.8	16,643.0	17,019.0	17,389.5	17,798.7	18,069.9
29	Personal consumption expenditures	14,116.2	15,902.6	16,147.3	16,518.0	16,874.8	17,261.3	17,500.3
30	Personal interest payments ⁴	284.2	274.4	281.1	282.8	293.5	313.1	344.8
31	Personal current transfer payments	203.2	212.8	214.5	218.2	221.3	224.2	224.7
32	To government	108.1	110.3	111.0	112.4	114.1	115.4	116.4
33	To the rest of the world (net)	95.1	102.4	103.6	105.8	107.2	108.8	108.4
34	Equals: Personal saving	2,992.3	2,243.4	1,669.1	1,337.1	784.9	629.0	626.1
35	Personal saving as a percentage of disposable personal income	17.0	12.0	9.1	7.3	4.3	3.4	3.3
	Addenda:							
36	Personal income excluding current transfer receipts, billions of chained (2012) dollars ⁵	14,036.8	14,424.3	14,491.6	14,589.6	14,507.5	14,492.4	14,581.1
	Disposable personal income:							
37	Total, billions of chained (2012) dollars ⁵	15,831.6	16,115.7	15,734.4	15,537.3	15,108.8	15,052.1	15,115.7
	Per capita:							
38	Current dollars	53,038	56,088	55,107	55,192	54,619	55,348	56,103
39	Chained (2012) dollars	47,720	48,510	47,351	46,717	45,406	45,210	45,360
40	Population (midperiod, thousands)	331,761	332,213	332,297	332,584	332,749	332,940	333,241
	Percent change from preceding period:							
41	Disposable personal income, current dollars	7.4	5.9	0.8	1.0	-3.9	5.7	6.0
42	Disposable personal income, chained (2012) dollars	6.2	1.8	-4.6	-4.9	-10.6	-1.5	1.7

Legend / Footnotes:

1. Includes actual employer contributions and actuarially imputed employer contributions to reflect benefits accrued by defined benefit pension plan participants through service to employers in the current period.
2. Social security benefits include old-age, survivors, and disability insurance benefits that are distributed from the federal old-age and survivors insurance trust fund and the disability insurance trust fund.
3. Medicare benefits include hospital and supplementary medical insurance benefits that are distributed from the federal hospital insurance trust fund and the supplementary medical insurance trust fund.
4. Consists of nonmortgage interest paid by households. Note that mortgage interest paid by households is an expense item in the calculation of rental income of persons.
5. The current-dollar measure is deflated by the implicit price deflator for personal consumption expenditures.

Table 2.2B. Wages and Salaries by Industry

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Wages and salaries	9,457.4	10,290.1	10,422.3	10,748.4	10,925.5	11,108.4	11,307.0
2	Private industries	7,962.9	8,746.0	8,858.2	9,175.7	9,337.8	9,508.1	9,687.9
3	Goods-producing industries	1,515.6	1,601.8	1,608.8	1,665.5	1,705.4	1,733.4	1,760.3
4	Manufacturing	904.4	960.1	958.9	993.3	1,013.3	1,023.3	1,035.4
5	Services-producing industries	6,447.3	7,144.2	7,249.3	7,510.2	7,632.4	7,774.7	7,927.6
6	Trade, transportation, and utilities	1,442.3	1,593.7	1,613.2	1,668.0	1,697.0	1,720.1	1,739.6
7	Other services-producing industries ¹	5,004.9	5,550.5	5,636.1	5,842.2	5,935.4	6,054.5	6,188.0
8	Government	1,494.5	1,544.1	1,564.2	1,572.7	1,587.8	1,600.4	1,619.1

Legend / Footnotes:

1. Other services-producing industries consists of information; finance and insurance; real estate and rental and leasing; professional, scientific, and technical services; management of companies and enterprises, administrative and support and waste management and remediation services; educational services; health care and social assistance; arts, entertainment, and recreation; accommodation and food services; and other services.

Note. Estimates in this table are based on the 2012 North American Industry Classification System (NAICS).

Table 2.3.1. Percent Change From Preceding Period in Real Personal Consumption Expenditures by Major Type of Product

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Personal consumption expenditures (PCE)	-3.0	8.3	3.0	3.1	1.3	2.0	1.4
2	Goods	5.2	12.2	-7.9	2.3	-0.1	-2.6	-1.2
3	Durable goods	10.0	18.5	-22.0	5.1	7.6	-2.8	-0.8
4	Motor vehicles and parts	1.6	15.8	-49.5	7.2	15.5	-10.3	-11.8
5	Furnishings and durable household equipment	13.4	14.2	-9.3	-6.0	-3.1	-0.6	3.2
6	Recreational goods and vehicles	24.3	20.1	-2.1	11.9	10.6	1.4	8.0
7	Other durable goods	-2.3	31.1	8.0	6.1	2.6	4.3	1.9
8	Nondurable goods	2.7	8.8	1.7	0.7	-4.4	-2.5	-1.4
9	Food and beverages purchased for off-premises consumption	5.7	3.7	-1.1	0.6	-7.4	-9.9	-3.8
10	Clothing and footwear	-5.0	26.1	-0.2	-3.3	-4.6	4.0	4.8
11	Gasoline and other energy goods	-13.2	11.6	10.6	3.9	-10.0	-2.2	-5.9
12	Other nondurable goods	6.8	7.8	2.6	1.4	0.3	2.1	0.4
13	Services	-6.6	6.3	9.2	3.5	2.1	4.6	2.8
14	Household consumption expenditures (for services)	-7.5	7.5	9.7	3.5	1.7	4.4	2.5
15	Housing and utilities	0.9	1.1	1.5	-0.5	3.2	0.9	0.3
16	Health care	-7.4	7.3	5.2	3.8	-0.5	0.4	2.9
17	Transportation services	-24.9	15.9	53.4	7.0	-1.4	7.1	6.3
18	Recreation services	-26.1	16.6	26.3	15.9	2.1	9.1	0.9
19	Food services and accommodations	-21.0	23.5	20.1	3.6	0.1	16.1	3.3
20	Financial services and insurance	1.6	3.9	3.7	6.1	-1.6	1.8	1.5
21	Other services	-7.3	9.0	15.8	2.4	9.1	9.3	5.5
22	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	12.9	-14.6	-1.1	4.8	10.1	9.0	9.8
23	Gross output of nonprofit institutions ²	-1.7	0.9	1.3	4.6	-1.8	-0.1	4.7
24	Less: Receipts from sales of goods and services by nonprofit institutions ³	-6.9	7.7	2.2	4.6	-5.9	-3.5	2.7
	Addenda:							
25	PCE excluding food and energy ⁴	-3.5	8.8	3.1	3.7	2.1	3.4	2.3
26	Energy goods and services ⁵	-7.6	6.5	8.0	-4.2	2.2	-2.4	-6.4
27	Market-based PCE ⁶	-3.7	9.3	2.7	3.1	1.7	1.2	0.9
28	Market-based PCE excluding food and energy ⁶	-4.4	10.0	2.9	3.7	2.6	2.6	1.8

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.

2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).

3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.

4. Food consists of food and beverages purchased for off-premises consumption; food services, which include purchased meals and beverages, are not classified as food.

5. Consists of gasoline and other energy goods and of electricity and gas services.

6. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Table 2.3.2. Contributions to Percent Change in Real Personal Consumption Expenditures by Major Type of Product

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Percent change at annual rate: Personal consumption expenditures (PCE)	-3.0	8.3	3.0	3.1	1.3	2.0	1.4
	Percentage points at annual rates:							
2	Goods	1.60	4.06	-2.83	0.81	-0.02	-0.90	-0.40
3	Durable goods	1.04	2.18	-3.21	0.64	0.95	-0.36	-0.10
4	Motor vehicles and parts	0.06	0.62	-2.96	0.29	0.62	-0.46	-0.52
5	Furnishings and durable household equipment	0.34	0.42	-0.30	-0.19	-0.10	-0.02	0.10
6	Recreational goods and vehicles	0.68	0.70	-0.08	0.43	0.38	0.05	0.29
7	Other durable goods	-0.03	0.45	0.13	0.10	0.04	0.07	0.03
8	Nondurable goods	0.55	1.89	0.38	0.17	-0.97	-0.54	-0.30
9	Food and beverages purchased for off-premises consumption	0.41	0.30	-0.08	0.05	-0.57	-0.77	-0.28
10	Clothing and footwear	-0.14	0.66	-0.01	-0.10	-0.14	0.11	0.13
11	Gasoline and other energy goods	-0.28	0.23	0.24	0.10	-0.29	-0.07	-0.18
12	Other nondurable goods	0.56	0.70	0.23	0.13	0.02	0.18	0.04
13	Services	-4.59	4.23	5.79	2.31	1.37	2.94	1.82
14	Household consumption expenditures (for services)	-4.98	4.76	5.82	2.17	1.08	2.68	1.53
15	Housing and utilities	0.17	0.21	0.26	-0.08	0.54	0.15	0.05
16	Health care	-1.27	1.21	0.83	0.61	-0.07	0.07	0.45
17	Transportation services	-0.84	0.42	1.21	0.20	-0.04	0.21	0.20
18	Recreation services	-1.06	0.51	0.78	0.51	0.07	0.31	0.03
19	Food services and accommodations	-1.48	1.37	1.24	0.25	0.01	1.06	0.24
20	Financial services and insurance	0.12	0.32	0.30	0.48	-0.13	0.14	0.11
21	Other services	-0.62	0.72	1.19	0.20	0.70	0.73	0.44
22	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	0.39	-0.53	-0.03	0.14	0.29	0.26	0.29
23	Gross output of nonprofit institutions ²	-0.19	0.10	0.14	0.50	-0.19	-0.01	0.50
24	Less: Receipts from sales of goods and services by nonprofit institutions ³	-0.59	0.63	0.17	0.36	-0.48	-0.27	0.20
	Addenda:							
25	PCE excluding food and energy ⁴	-3.11	7.75	2.73	3.25	1.83	2.93	2.01
26	Energy goods and services ⁵	-0.29	0.24	0.31	-0.17	0.09	-0.11	-0.31
27	Market-based PCE ⁶	-3.19	7.99	2.39	2.65	1.48	1.06	0.76
28	Market-based PCE excluding food and energy ⁶	-3.31	7.45	2.16	2.78	1.95	1.94	1.36

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.
2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).
3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.
4. Food consists of food and beverages purchased for off-premises consumption; food services, which include purchased meals and beverages, are not classified as food.
5. Consists of gasoline and other energy goods and of electricity and gas services.
6. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Table 2.3.3. Real Personal Consumption Expenditures by Major Type of Product, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Personal consumption expenditures (PCE)	114.966	124.501	125.590	126.560	126.984	127.627	128.076
2	Goods	136.231	152.895	152.144	153.027	152.999	152.007	151.560
3	Durable goods	167.290	198.281	192.791	195.202	198.832	197.444	197.029
4	Motor vehicles and parts	133.708	154.803	142.156	144.637	149.935	145.920	141.418
5	Furnishings and durable household equipment	184.680	210.856	208.977	205.769	204.132	203.834	205.435
6	Recreational goods and vehicles	225.986	271.420	270.603	278.347	285.443	286.445	292.010
7	Other durable goods	137.021	179.575	183.122	185.868	187.079	189.065	189.940
8	Nondurable goods	122.988	133.793	134.969	135.220	133.713	132.884	132.429
9	Food and beverages purchased for off-premises consumption	123.265	127.865	127.841	128.021	125.582	122.341	121.159
10	Clothing and footwear	111.732	140.887	143.394	142.202	140.531	141.909	143.565
11	Gasoline and other energy goods	91.927	102.619	105.684	106.690	103.909	103.333	101.766
12	Other nondurable goods	136.965	147.616	148.850	149.376	149.478	150.273	150.430
13	Services	106.119	112.841	114.639	115.637	116.240	117.545	118.357
14	Household consumption expenditures (for services)	105.557	113.514	115.518	116.508	117.011	118.265	118.984
15	Housing and utilities	105.376	106.551	106.799	106.668	107.503	107.733	107.813
16	Health care	114.153	122.525	123.807	124.972	124.829	124.969	125.877
17	Transportation services	99.939	115.854	124.840	126.980	126.533	128.707	130.694
18	Recreation services	86.615	100.984	104.921	108.864	109.437	111.837	112.081
19	Food services and accommodations	95.351	117.774	123.636	124.747	124.788	129.534	130.589
20	Financial services and insurance	101.254	105.200	105.348	106.915	106.487	106.973	107.371
21	Other services	111.394	121.401	124.515	125.255	128.000	130.884	132.643
22	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	116.949	99.884	97.778	98.929	101.345	103.542	105.991
23	Gross output of nonprofit institutions ²	111.951	112.918	113.036	114.326	113.818	113.781	115.102
24	Less: Receipts from sales of goods and services by nonprofit institutions ³	109.790	118.291	119.355	120.714	118.889	117.834	118.628
	Addenda:							
25	PCE excluding food and energy ⁴	115.112	125.217	126.340	127.493	128.152	129.214	129.952
26	Energy goods and services ⁵	98.629	105.041	107.258	106.127	106.703	106.063	104.313
27	Market-based PCE ⁶	115.913	126.649	127.841	128.810	129.355	129.746	130.028
28	Market-based PCE excluding food and energy ⁶	116.248	127.857	129.108	130.296	131.142	131.989	132.588

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.
2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).
3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.
4. Food consists of food and beverages purchased for off-premises consumption; food services, which include purchased meals and beverages, are not classified as food.
5. Consists of gasoline and other energy goods and of electricity and gas services.
6. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Table 2.3.4. Price Indexes for Personal Consumption Expenditures by Major Type of Product

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Personal consumption expenditures (PCE)	111.145	115.621	116.413	118.173	120.323	122.459	123.719
2	Goods	94.237	98.824	99.688	101.923	104.987	107.670	108.404
3	Durable goods	86.032	90.809	92.198	94.029	95.926	96.508	97.334
4	Motor vehicles and parts	100.685	112.176	115.885	120.544	123.343	124.568	126.756
5	Furnishings and durable household equipment	87.835	92.447	93.206	95.532	99.622	101.374	102.197
6	Recreational goods and vehicles	70.177	71.353	71.650	71.864	72.077	71.720	71.743
7	Other durable goods	82.842	83.486	83.919	83.920	84.865	84.884	85.365
8	Nondurable goods	98.585	103.001	103.491	105.969	109.779	113.862	114.522
9	Food and beverages purchased for off-premises consumption	107.965	111.372	112.016	114.379	117.497	121.758	125.522
10	Clothing and footwear	92.907	94.846	95.203	96.340	99.059	99.751	100.418
11	Gasoline and other energy goods	63.878	85.324	87.138	95.858	108.438	124.332	113.973
12	Other nondurable goods	107.096	107.792	107.760	108.744	110.664	112.047	113.899
13	Services	120.133	124.458	125.185	126.607	128.126	129.875	131.448
14	Household consumption expenditures (for services)	119.864	123.897	124.568	125.796	127.309	128.996	130.541
15	Housing and utilities	125.603	129.286	129.776	131.659	133.716	136.301	139.560
16	Health care	112.513	115.770	115.982	116.474	117.599	117.968	118.847
17	Transportation services	107.892	112.384	114.057	115.042	117.668	125.966	128.103
18	Recreation services	117.812	121.488	122.235	123.745	125.496	126.843	128.136
19	Food services and accommodations	121.032	127.786	129.336	132.059	134.156	136.813	138.425
20	Financial services and insurance	139.132	145.857	147.046	147.712	148.042	147.295	146.474
21	Other services	111.257	113.457	113.982	114.690	115.888	117.240	118.520
22	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	125.970	136.460	138.383	144.488	146.102	149.312	151.543
23	Gross output of nonprofit institutions ²	119.957	125.251	125.984	127.843	129.423	130.736	132.151
24	Less: Receipts from sales of goods and services by nonprofit institutions ³	117.790	121.218	121.537	122.041	123.605	124.288	125.424
	Addenda:							
25	PCE excluding food and energy ⁴	113.464	117.388	118.152	119.555	121.206	122.592	123.947
26	Energy goods and services ⁵	78.675	95.002	96.537	103.845	113.636	126.324	121.966
27	Market-based PCE ⁶	108.583	112.511	113.195	114.897	117.178	119.450	120.777
28	Market-based PCE excluding food and energy ⁶	110.812	114.014	114.647	115.932	117.667	119.108	120.553

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.

2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).

3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.

4. Food consists of food and beverages purchased for off-premises consumption; food services, which include purchased meals and beverages, are not classified as food.

5. Consists of gasoline and other energy goods and of electricity and gas services.

6. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Table 2.3.5. Personal Consumption Expenditures by Major Type of Product

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Personal consumption expenditures (PCE)	14,116.2	15,902.6	16,147.3	16,518.0	16,874.8	17,261.3	17,500.3
2	Goods	4,670.1	5,496.5	5,517.1	5,673.7	5,843.2	5,953.6	5,976.6
3	Durable goods	1,646.8	2,060.2	2,035.0	2,101.6	2,183.9	2,181.8	2,195.8
4	Motor vehicles and parts	533.9	688.7	656.3	695.0	737.1	724.5	714.5
5	Furnishings and durable household equipment	411.9	495.0	494.9	499.5	516.8	525.1	533.5
6	Recreational goods and vehicles	494.5	603.9	604.5	623.6	641.4	640.5	653.1
7	Other durable goods	206.4	272.6	279.3	283.5	288.6	291.7	294.7
8	Nondurable goods	3,023.3	3,436.3	3,482.2	3,572.1	3,659.3	3,771.9	3,780.8
9	Food and beverages purchased for off-premises consumption	1,126.1	1,205.0	1,211.7	1,239.0	1,248.5	1,260.4	1,286.9
10	Clothing and footwear	358.4	461.3	471.2	472.8	480.5	488.6	497.6
11	Gasoline and other energy goods	247.8	369.4	387.6	430.6	474.5	541.0	488.4
12	Other nondurable goods	1,291.1	1,400.5	1,411.7	1,429.6	1,455.8	1,481.9	1,507.9
13	Services	9,446.0	10,406.1	10,630.2	10,844.3	11,031.6	11,307.7	11,523.8
14	Household consumption expenditures (for services)	8,942.9	9,940.5	10,167.6	10,355.6	10,525.4	10,779.2	10,974.7
15	Housing and utilities	2,666.6	2,775.4	2,792.4	2,829.4	2,896.1	2,958.4	3,031.4
16	Health care	2,339.2	2,583.5	2,615.1	2,650.9	2,673.4	2,684.8	2,724.4
17	Transportation services	367.7	444.1	484.5	497.0	506.6	551.6	569.6
18	Recreation services	439.6	528.5	551.8	579.6	590.9	610.3	617.9
19	Food services and accommodations	813.5	1,060.9	1,125.3	1,159.2	1,178.0	1,247.0	1,272.0
20	Financial services and insurance	1,170.6	1,275.0	1,287.0	1,312.1	1,309.8	1,309.1	1,306.7
21	Other services	1,145.6	1,273.2	1,311.5	1,327.5	1,370.7	1,418.0	1,452.7
22	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	503.2	465.5	462.5	488.6	506.2	528.5	549.1
23	Gross output of nonprofit institutions ²	1,660.6	1,748.8	1,760.6	1,807.0	1,821.2	1,839.1	1,880.6
24	Less: Receipts from sales of goods and services by nonprofit institutions ³	1,157.4	1,283.3	1,298.1	1,318.4	1,315.1	1,310.6	1,331.5
	Addenda:							
25	PCE excluding food and energy ⁴	12,501.5	14,069.3	14,284.3	14,585.8	14,863.6	15,158.2	15,413.2
26	Energy goods and services ⁵	488.5	628.2	651.3	693.2	762.7	842.7	800.2
27	Market-based PCE ⁶	12,199.8	13,812.0	14,023.0	14,341.6	14,688.2	15,018.2	15,218.1
28	Market-based PCE excluding food and energy ⁶	10,585.7	11,979.3	12,160.7	12,410.0	12,677.6	12,915.7	13,131.7

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.

2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).

3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.

4. Food consists of food and beverages purchased for off-premises consumption; food services, which include purchased meals and beverages, are not classified as food.

5. Consists of gasoline and other energy goods and of electricity and gas services.

6. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Table 2.3.6. Real Personal Consumption Expenditures by Major Type of Product, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Personal consumption expenditures (PCE)	12,700.7	13,754.1	13,874.4	13,981.5	14,028.4	14,099.5	14,149.0
2	Goods	4,955.7	5,561.9	5,534.6	5,566.7	5,565.7	5,529.6	5,513.4
3	Durable goods	1,914.2	2,268.8	2,206.0	2,233.5	2,275.1	2,259.2	2,254.4
4	Motor vehicles and parts	530.3	614.0	563.8	573.6	594.7	578.7	560.9
5	Furnishings and durable household equipment	469.0	535.4	530.7	522.5	518.4	517.6	521.7
6	Recreational goods and vehicles	704.7	846.3	843.8	867.9	890.1	893.2	910.6
7	Other durable goods	249.2	326.6	333.0	338.0	340.2	343.8	345.4
8	Nondurable goods	3,066.7	3,336.2	3,365.5	3,371.7	3,334.1	3,313.5	3,302.1
9	Food and beverages purchased for off-premises consumption	1,043.1	1,082.0	1,081.8	1,083.3	1,062.7	1,035.3	1,025.2
10	Clothing and footwear	385.7	486.4	495.0	490.9	485.1	489.9	495.6
11	Gasoline and other energy goods	387.9	433.0	445.9	450.2	438.4	436.0	429.4
12	Other nondurable goods	1,205.5	1,299.3	1,310.1	1,314.8	1,315.7	1,322.7	1,324.0
13	Services	7,863.0	8,361.1	8,494.3	8,568.2	8,613.0	8,709.6	8,769.8
14	Household consumption expenditures (for services)	7,460.9	8,023.2	8,164.9	8,234.9	8,270.4	8,359.0	8,409.9
15	Housing and utilities	2,123.1	2,146.7	2,151.7	2,149.1	2,165.9	2,170.5	2,172.1
16	Health care	2,079.1	2,231.5	2,254.9	2,276.1	2,273.5	2,276.0	2,292.6
17	Transportation services	340.8	395.1	425.8	433.1	431.5	439.0	445.7
18	Recreation services	373.1	435.0	452.0	469.0	471.4	481.8	482.8
19	Food services and accommodations	672.2	830.2	871.5	879.4	879.7	913.1	920.6
20	Financial services and insurance	841.3	874.1	875.4	888.4	884.8	888.9	892.2
21	Other services	1,029.7	1,122.2	1,151.0	1,157.8	1,183.2	1,209.9	1,226.1
22	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	399.4	341.1	334.0	337.9	346.1	353.6	362.0
23	Gross output of nonprofit institutions ²	1,384.3	1,396.2	1,397.7	1,413.7	1,407.4	1,406.9	1,423.2
24	Less: Receipts from sales of goods and services by nonprofit institutions ³	982.6	1,058.7	1,068.2	1,080.4	1,064.0	1,054.6	1,061.7
25	Residual	-135.5	-241.4	-241.5	-245.8	-250.2	-249.2	-257.5
	Addenda:							
26	PCE excluding food and energy ⁴	11,018.0	11,985.3	12,092.8	12,203.1	12,266.2	12,367.9	12,438.5
27	Energy goods and services ⁵	620.9	661.3	675.2	668.1	671.8	667.7	656.7
28	Market-based PCE ⁶	11,235.5	12,276.1	12,391.7	12,485.6	12,538.4	12,576.3	12,603.6
29	Market-based PCE excluding food and energy ⁶	9,552.8	10,506.9	10,609.6	10,707.3	10,776.8	10,846.5	10,895.6

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.

2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).

3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.

4. Food consists of food and beverages purchased for off-premises consumption; food services, which include purchased meals and beverages, are not classified as food.

5. Consists of gasoline and other energy goods and of electricity and gas services.

6. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 2.3.7. Percent Change From Preceding Period in Prices for Personal Consumption Expenditures by Major Type of Product

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Personal consumption expenditures (PCE)	1.1	4.0	5.6	6.2	7.5	7.3	4.2
2	Goods	-0.7	4.9	7.6	9.3	12.6	10.6	2.8
3	Durable goods	-0.9	5.6	10.0	8.2	8.3	2.4	3.5
4	Motor vehicles and parts	1.7	11.4	24.2	17.1	9.6	4.0	7.2
5	Furnishings and durable household equipment	0.8	5.3	6.9	10.4	18.3	7.2	3.3
6	Recreational goods and vehicles	-4.3	1.7	2.1	1.2	1.2	-2.0	0.1
7	Other durable goods	-2.7	0.8	0.7	0.0	4.6	0.1	2.3
8	Nondurable goods	-0.7	4.5	6.1	9.9	15.2	15.7	2.3
9	Food and beverages purchased for off-premises consumption	3.4	3.2	7.2	8.7	11.4	15.3	13.0
10	Clothing and footwear	-5.1	2.1	2.6	4.9	11.8	2.8	2.7
11	Gasoline and other energy goods	-15.3	33.6	29.3	46.4	63.8	72.8	-29.4
12	Other nondurable goods	1.0	0.6	0.9	3.7	7.3	5.1	6.8
13	Services	2.0	3.6	4.6	4.6	4.9	5.6	4.9
14	Household consumption expenditures (for services)	2.0	3.4	4.1	4.0	4.9	5.4	4.9
15	Housing and utilities	2.7	2.9	4.3	5.9	6.4	8.0	9.9
16	Health care	2.5	2.9	1.6	1.7	3.9	1.3	3.0
17	Transportation services	-1.1	4.2	5.6	3.5	9.4	31.3	7.0
18	Recreation services	2.1	3.1	4.4	5.0	5.8	4.4	4.1
19	Food services and accommodations	2.0	5.6	10.5	8.7	6.5	8.2	4.8
20	Financial services and insurance	0.9	4.8	3.8	1.8	0.9	-2.0	-2.2
21	Other services	1.7	2.0	3.5	2.5	4.2	4.7	4.4
22	Final consumption expenditures of nonprofit institutions serving households (NPISHs) ¹	1.5	8.3	14.2	18.8	4.5	9.1	6.1
23	Gross output of nonprofit institutions ²	2.6	4.4	5.1	6.0	5.0	4.1	4.4
24	Less: Receipts from sales of goods and services by nonprofit institutions ³	3.0	2.9	2.0	1.7	5.2	2.2	3.7
	Addenda:							
25	PCE excluding food and energy ⁴	1.3	3.5	4.8	4.8	5.6	4.7	4.5
26	Energy goods and services ⁵	-8.5	20.8	21.4	33.9	43.4	52.7	-13.1
27	Market-based PCE ⁶	1.1	3.6	5.2	6.2	8.2	8.0	4.5
28	Market-based PCE excluding food and energy ⁶	1.3	2.9	4.3	4.6	6.1	5.0	4.9

Legend / Footnotes:

1. Net expenses of NPISHs, defined as their gross operating expenses less primary sales to households.

2. Gross output is net of unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; excludes own-account investment (construction and software).

3. Excludes unrelated sales, secondary sales, and sales to business, to government, and to the rest of the world; includes membership dues and fees.

4. Food consists of food and beverages purchased for off-premises consumption; food services, which include purchased meals and beverages, are not classified as food.

5. Consists of gasoline and other energy goods and of electricity and gas services.

6. Market-based PCE is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most imputed transactions (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Table 3.1. Government Current Receipts and Expenditures

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Current receipts	5,950.9	6,731.8	6,802.0	7,044.0	7,541.0	7,634.0	---
2	Current tax receipts	4,066.5	4,730.1	4,777.0	4,966.3	5,408.8	5,471.7	---
3	Personal current taxes	2,236.4	2,661.7	2,693.2	2,806.1	3,145.5	3,197.9	3,220.8
4	Taxes on production and imports	1,526.3	1,663.4	1,680.0	1,713.2	1,750.1	1,775.5	1,792.8
5	Taxes on corporate income	276.1	374.4	372.9	415.3	479.7	463.0	---
6	Taxes from the rest of the world	27.7	30.6	30.8	31.7	33.6	35.3	32.7
7	Contributions for government social insurance	1,455.0	1,546.2	1,559.5	1,601.5	1,640.6	1,666.8	1,694.8
8	From persons	1,450.0	1,540.8	1,554.0	1,595.8	1,634.7	1,660.9	1,688.8
9	From the rest of the world ¹	5.0	5.4	5.5	5.7	5.8	5.9	6.0
10	Income receipts on assets	220.5	242.0	253.2	258.5	277.8	259.4	201.8
11	Interest and miscellaneous receipts	127.2	126.6	126.7	129.3	133.3	133.4	138.3
12	Interest receipts ²	110.0	107.0	106.3	107.4	109.6	108.4	112.0
13	Rents and royalties	17.3	19.6	20.4	21.8	23.6	25.0	26.3
14	Dividends	93.2	115.4	126.5	129.2	144.5	126.0	63.5
15	Current transfer receipts	209.1	211.4	209.1	211.9	212.0	239.1	215.1
16	From business (net)	97.5	97.4	96.3	96.3	95.1	117.4	93.3
17	From persons	108.1	110.3	111.0	112.4	114.1	115.4	116.4
18	From the rest of the world ³	3.5	3.7	1.8	3.2	2.8	6.2	5.5
19	Current surplus of government enterprises ⁴	-0.1	2.1	3.3	5.8	1.8	-3.0	-6.5
20	Current expenditures	8,894.9	9,342.3	8,971.6	8,533.1	8,402.6	8,535.8	8,675.6
21	Consumption expenditures	3,138.4	3,353.7	3,373.1	3,423.8	3,482.1	3,573.9	3,617.2
22	Current transfer payments	4,274.8	4,639.9	4,173.1	3,937.8	3,894.9	3,917.7	3,939.5
23	Government social benefits	4,220.9	4,577.6	4,092.9	3,879.5	3,825.9	3,837.7	3,841.5
24	To persons	4,187.1	4,546.4	4,064.4	3,852.5	3,797.7	3,809.1	3,812.2
25	To the rest of the world ⁵	33.9	31.2	28.6	27.0	28.2	28.6	29.3
26	Other current transfer payments to the rest of the world ^{3,5}	53.9	62.3	80.2	58.3	69.0	80.0	98.0
27	Interest payments ²	824.5	866.7	879.1	882.5	880.5	920.7	1,004.7
28	To persons and business ²	699.3	719.7	726.6	725.7	716.7	751.1	---
29	To the rest of the world	125.2	147.0	152.6	156.8	163.8	169.6	---
30	Subsidies ⁴	657.3	481.9	546.3	289.0	145.2	123.5	114.1
31	Net government saving	-2,944.1	-2,610.5	-2,169.7	-1,489.1	-861.6	-901.8	---
32	Social insurance funds	-982.2	-784.3	-707.3	-468.6	-494.7	-471.7	-457.2
33	Other	-1,961.9	-1,826.2	-1,462.4	-1,020.5	-366.9	-430.2	---
	Addenda:							
34	Total receipts	5,977.1	6,769.8	6,850.7	7,081.6	7,578.9	7,775.6	---
35	Current receipts	5,950.9	6,731.8	6,802.0	7,044.0	7,541.0	7,634.0	---
36	Capital transfer receipts	26.3	37.9	48.8	37.6	38.0	141.6	50.6
37	Total expenditures	9,109.1	9,586.1	9,156.7	8,720.1	8,250.4	8,688.2	8,808.8
38	Current expenditures	8,894.9	9,342.3	8,971.6	8,533.1	8,402.6	8,535.8	8,675.6
39	Gross government investment	790.5	807.0	810.1	822.9	829.3	838.9	856.9
40	Capital transfer payments	15.9	75.9	29.1	16.6	16.6	24.3	75.2
41	Net purchases of nonproduced assets	13.7	8.0	-0.9	17.2	-306.9	0.3	-72.9
42	Less: Consumption of fixed capital	605.9	647.1	653.2	669.7	691.2	711.2	725.9
43	Net lending or net borrowing (-)	-3,131.9	-2,816.3	-2,306.0	-1,638.5	-671.5	-912.6	---

Legend / Footnotes:

1. Consists primarily of contributions by residents of the U.S. territories and the Commonwealths of Puerto Rico and Northern Mariana Islands.

2. Prior to 1960, interest payments to persons (line 28) and interest receipts on line 12 are not shown separately, but are included in interest payments (line 27), which is shown net of interest receipts. Interest payments to persons and business includes interest accrued on the actuarial liabilities of defined benefit pension plans for government employees.

3. Prior to 1999, current transfer payments to the rest of the world (line 26) are displayed net of current transfer receipts from the rest of the world (line 18).

4. Prior to 1959, subsidies (line 30) and the current surplus of government enterprises (line 19) are not shown separately; subsidies are presented net of the current surplus of government enterprises.

5. Prior to 1960, government social benefits to the rest of the world are included in line 26, 'Other current transfer payments to the rest of the world.'

Table 3.2. Federal Government Current Receipts and Expenditures

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Current receipts	3,734.1	4,319.0	4,394.8	4,555.8	4,962.6	5,071.2	---
2	Current tax receipts	2,115.4	2,591.6	2,644.9	2,759.3	3,113.9	3,206.0	---
3	Personal current taxes ¹	1,730.4	2,107.8	2,158.8	2,235.2	2,564.1	2,608.1	2,648.4
4	Taxes on production and imports ²	155.8	174.6	176.8	187.6	202.4	209.4	202.0
5	Excise taxes	85.9	84.2	86.9	92.3	94.1	96.4	95.9
6	Customs duties	68.6	89.1	88.6	93.9	107.0	111.7	104.8
7	Other	1.3	1.3	1.3	1.3	1.3	1.3	1.3
8	Taxes on corporate income	201.4	278.6	278.4	304.8	313.8	353.2	---
9	Taxes from the rest of the world	27.7	30.6	30.8	31.7	33.6	35.3	32.7
10	Contributions for government social insurance	1,434.4	1,523.4	1,536.3	1,578.1	1,617.1	1,643.2	1,670.9
11	From persons	1,429.4	1,518.0	1,530.8	1,572.4	1,611.3	1,637.3	1,664.9
12	From the rest of the world ³	5.0	5.4	5.5	5.7	5.8	5.9	6.0
13	Income receipts on assets	115.9	135.3	146.3	150.9	169.7	151.0	92.7
14	Interest receipts ⁴	23.0	18.0	17.0	17.9	20.0	18.2	21.1
15	Dividends	87.0	109.3	120.5	122.8	137.8	119.7	57.0
16	Federal Reserve banks	86.9	109.0	120.3	122.6	137.5	119.4	56.8
17	Other	0.2	0.2	0.2	0.2	0.3	0.2	0.3
18	Rents and royalties ⁵	5.9	8.0	8.7	10.1	11.9	13.2	14.5
19	Current transfer receipts	67.2	67.2	65.3	66.3	63.7	75.8	63.2
20	From business	42.1	40.7	39.9	39.2	37.1	45.8	33.8
21	From persons	21.8	23.5	23.9	24.1	24.1	24.1	24.1
22	From the rest of the world ⁶	3.3	3.1	1.5	3.0	2.5	5.9	5.2
23	Current surplus of government enterprises ⁷	1.1	1.5	2.0	1.2	-1.8	-4.9	-5.4
24	Current expenditures	6,691.5	7,154.4	6,709.2	6,079.8	5,891.6	5,935.2	6,047.1
25	Consumption expenditures	1,169.6	1,246.8	1,230.6	1,243.7	1,243.5	1,248.3	1,278.4
26	Current transfer payments	4,336.6	4,849.2	4,340.1	3,947.3	3,900.3	3,915.6	3,918.7
27	Government social benefits	3,403.9	3,674.8	3,174.9	2,964.3	2,891.2	2,875.0	2,867.2
28	To persons	3,370.0	3,643.5	3,146.3	2,937.4	2,863.0	2,846.5	2,837.9
29	To the rest of the world ⁸	33.9	31.2	28.6	27.0	28.2	28.6	29.3
30	Other current transfer payments	932.7	1,174.5	1,165.2	983.0	1,009.1	1,040.5	1,051.4
31	Grants-in-aid to state and local governments	878.9	1,112.1	1,085.0	924.7	940.0	960.5	953.4
32	To the rest of the world ^{6,8}	53.9	62.3	80.2	58.3	69.0	80.0	98.0
33	Interest payments ⁴	528.6	579.5	592.9	600.4	603.3	648.5	736.6
34	To persons and business ⁴	407.1	436.1	443.9	447.2	443.2	482.6	---
35	To the rest of the world	121.5	143.5	149.0	153.2	160.1	165.8	---
36	Subsidies ⁷	656.7	478.8	545.6	288.3	144.5	122.9	113.4
37	Net federal government saving	-2,957.4	-2,835.3	-2,314.4	-1,524.0	-929.0	-864.0	---
38	Social insurance funds	-985.5	-790.1	-713.5	-474.6	-500.3	-477.0	-462.8
39	Other	-1,971.8	-2,045.2	-1,600.9	-1,049.4	-428.8	-387.0	---
	Addenda:							
40	Total receipts	3,753.2	4,346.5	4,423.4	4,585.9	4,993.4	5,102.1	---
41	Current receipts	3,734.1	4,319.0	4,394.8	4,555.8	4,962.6	5,071.2	---
42	Capital transfer receipts	19.1	27.5	28.5	30.1	30.8	30.9	32.4
43	Total expenditures	6,827.2	7,333.6	6,829.5	6,206.8	5,687.7	6,407.4	6,189.3
44	Current expenditures	6,691.5	7,154.4	6,709.2	6,079.8	5,891.6	5,935.2	6,047.1
45	Gross government investment	351.0	362.4	365.0	369.1	369.6	374.4	378.4
46	Capital transfer payments	92.4	148.5	98.4	89.1	89.1	460.7	205.5
47	Net purchases of nonproduced assets	-2.9	-9.0	-18.0	0.0	-324.3	-17.3	-90.5
48	Less: Consumption of fixed capital	304.7	322.7	325.1	331.2	338.3	345.6	351.1
49	Net lending or net borrowing (-)	-3,074.0	-2,987.1	-2,406.2	-1,620.9	-694.3	-1,305.3	---

Legend / Footnotes:

1. Includes dividends tax for 1933-34 and automobile use tax for 1942-46 as shown in table 3.4.

2. Includes the capital stock tax for 1933-45 as shown in table 3.5.

3. Consists primarily of contributions by residents of the U.S. territories and the Commonwealths of Puerto Rico and Northern Mariana Islands.

4. Prior to 1960, interest payments to persons and business (line 34) and interest receipts (line 14) are not shown separately, but are included in interest payments (line 33), which is shown net of interest receipts. Interest payments to persons and business includes interest accrued on the actuarial liabilities of defined benefit pension plans for federal government employees.

5. Rents and royalties are receipts from the leasing of federally owned lands and mineral deposits. These values do not include bonus payments made to secure such leases.

6. Prior to 1999, current transfer payments to the rest of the world are displayed net of current transfer receipts from the rest of the world.

7. Prior to 1959, subsidies (line 36) and the current surplus of government enterprises (line 23) are not shown separately; subsidies are presented net of the current surplus of government enterprises.

8. Prior to 1960, government social benefits to the rest of the world (line 29) are included in line 32, 'Other current transfer payments to the rest of the world.'

Table 3.2. Federal Government Current Receipts and Expenditures

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Table 3.3. State and Local Government Current Receipts and Expenditures

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Current receipts	3,095.6	3,525.0	3,492.2	3,413.0	3,518.4	3,523.3	---
2	Current tax receipts	1,951.0	2,138.5	2,132.0	2,207.0	2,294.9	2,265.7	---
3	Personal current taxes	506.0	553.8	534.4	570.8	581.3	589.8	572.4
4	Income taxes	466.3	512.2	492.7	528.4	539.2	547.8	530.4
5	Other	39.7	41.7	41.7	42.4	42.1	42.0	42.1
6	Taxes on production and imports	1,370.5	1,488.8	1,503.2	1,525.7	1,547.7	1,566.1	1,590.8
7	Sales taxes	446.7	499.5	505.7	513.6	524.2	533.5	543.2
8	Excise taxes	207.4	223.9	228.2	227.8	232.4	232.0	231.1
9	Property taxes	608.4	645.5	650.5	658.4	663.8	671.7	679.9
10	Other	107.9	119.9	118.8	125.9	127.2	128.8	136.6
11	Taxes on corporate income	74.6	95.8	94.4	110.5	165.9	109.8	---
12	Contributions for government social insurance	20.6	22.8	23.2	23.4	23.4	23.6	23.9
13	Income receipts on assets	104.5	106.7	106.9	107.6	108.1	108.4	109.1
14	Interest receipts ¹	86.9	89.0	89.2	89.5	89.6	90.2	90.8
15	Dividends	6.2	6.2	6.0	6.4	6.8	6.4	6.4
16	Rents and royalties	11.4	11.6	11.6	11.7	11.8	11.8	11.9
17	Current transfer receipts	1,020.8	1,256.3	1,228.9	1,070.4	1,088.3	1,123.7	1,105.3
18	Federal grants-in-aid	878.9	1,112.1	1,085.0	924.7	940.0	960.5	953.4
19	From business (net)	55.4	56.8	56.4	57.2	58.1	71.6	59.4
20	From persons	86.3	86.9	87.1	88.3	90.0	91.3	92.3
21	From the rest of the world	0.2	0.6	0.3	0.2	0.3	0.3	0.2
22	Current surplus of government enterprises	-1.3	0.5	1.2	4.5	3.7	1.9	-1.1
23	Current expenditures	3,082.3	3,300.1	3,347.5	3,378.1	3,451.1	3,561.2	3,581.9
24	Consumption expenditures	1,968.8	2,106.9	2,142.5	2,180.1	2,238.5	2,325.6	2,338.8
25	Current transfer payments	817.0	902.8	918.1	915.2	934.7	962.7	974.3
26	Government social benefit payments to persons	817.0	902.8	918.1	915.2	934.7	962.7	974.3
27	Current transfer payments to the rest of the world	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	Interest payments ¹	295.9	287.2	286.2	282.1	277.2	272.2	268.2
29	To persons and business ¹	292.2	283.6	282.6	278.5	273.4	268.5	---
30	To the rest of the world	3.7	3.5	3.6	3.6	3.7	3.8	---
31	Subsidies	0.6	3.1	0.7	0.7	0.7	0.7	0.7
32	Net state and local government saving	13.3	224.9	144.7	34.9	67.4	-37.9	---
33	Social insurance funds	3.4	5.8	6.2	6.1	5.5	5.3	5.6
34	Other	9.9	219.1	138.5	28.8	61.8	-43.2	---
	Addenda:							
35	Total receipts	3,179.3	3,608.0	3,581.8	3,492.9	3,598.1	4,070.4	---
36	Current receipts	3,095.6	3,525.0	3,492.2	3,413.0	3,518.4	3,523.3	---
37	Capital transfer receipts	83.7	83.1	89.6	79.9	79.7	547.1	158.5
38	Total expenditures	3,237.3	3,437.3	3,481.6	3,510.5	3,575.3	3,677.7	3,713.1
39	Current expenditures	3,082.3	3,300.1	3,347.5	3,378.1	3,451.1	3,561.2	3,581.9
40	Gross government investment	439.6	444.6	445.1	453.8	459.7	464.5	478.5
41	Capital transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	10.0
42	Net purchases of nonproduced assets	16.6	17.0	17.1	17.2	17.4	17.6	17.6
43	Less: Consumption of fixed capital	301.2	324.4	328.0	338.5	352.9	365.5	374.9
44	Net lending or net borrowing (-)	-57.9	170.8	100.2	-17.6	22.8	392.7	---

Legend / Footnotes:

1. Prior to 1946, interest receipts (line 13) are not shown separately, but are shown net of interest payments. Interest payments includes interest accrued on the actuarial liabilities of defined benefit pension plans for state and local government employees.

Table 3.9.1. Percent Change From Preceding Period in Real Government Consumption Expenditures and Gross Investment

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures and gross investment	2.6	0.6	-0.2	-1.0	-2.3	-1.6	2.4
2	Consumption expenditures ¹	2.2	1.3	-0.3	-0.6	-1.3	-0.7	2.5
3	Gross investment ²	3.9	-2.3	0.3	-2.2	-6.0	-5.5	2.2
4	Structures	0.9	-7.5	-1.7	-5.5	-11.1	-10.5	0.0
5	Equipment	4.6	-2.1	-1.9	-0.5	-9.5	-7.3	3.4
6	Intellectual property products	8.3	5.5	4.7	1.4	3.5	3.0	4.4
7	Software	6.8	9.3	6.7	2.9	14.0	7.8	7.0
8	Research and development	8.9	4.1	3.9	0.9	-0.2	1.2	3.3
9	Federal	6.2	2.3	-7.2	0.0	-5.3	-3.4	3.7
10	Consumption expenditures	5.6	2.8	-10.2	0.2	-5.3	-3.9	4.5
11	Gross investment	8.3	0.8	3.8	-0.4	-5.4	-1.8	0.8
12	Structures	15.8	-15.5	14.3	6.4	-0.4	-3.4	-9.7
13	Equipment	5.2	-2.8	0.6	-4.2	-18.5	-8.9	-3.0
14	Intellectual property products	9.3	5.2	4.6	1.0	1.7	2.4	4.0
15	Software	6.0	8.3	7.0	2.3	11.4	7.4	7.1
16	Research and development	10.2	4.3	3.9	0.6	-0.8	1.0	3.2
17	National defense	2.9	-1.2	-3.2	-5.3	-8.5	1.4	4.7
18	Consumption expenditures	2.0	-2.3	-5.1	-6.4	-7.2	3.1	6.3
19	Gross investment	6.5	3.0	4.5	-1.2	-13.3	-4.6	-0.9
20	Structures	31.7	1.3	14.6	5.3	3.7	15.5	4.0
21	Equipment	1.4	-2.6	0.2	-4.2	-25.3	-10.9	-6.0
22	Intellectual property products	10.9	10.3	8.3	1.4	-0.7	-0.4	3.7
23	Software	6.3	8.8	8.1	3.4	14.8	4.5	9.9
24	Research and development	12.0	10.7	8.3	1.0	-3.8	-1.5	2.3
25	Nondefense	11.2	7.3	-12.1	7.4	-1.1	-9.2	2.3
26	Consumption expenditures	11.5	10.4	-16.6	9.8	-2.7	-12.6	2.1
27	Gross investment	10.2	-1.5	3.1	0.5	3.9	1.3	2.6
28	Structures	8.0	-25.6	14.1	7.3	-3.8	-17.6	-21.0
29	Equipment	22.7	-3.8	2.1	-4.0	11.2	-2.1	7.5
30	Intellectual property products	8.3	2.2	2.3	0.7	3.3	4.2	4.3
31	Software	5.9	8.0	6.5	1.8	9.8	8.8	5.8
32	Research and development	9.1	0.4	1.0	0.3	1.3	2.7	3.8
33	State and local	0.4	-0.5	4.5	-1.6	-0.4	-0.6	1.7
34	Consumption expenditures	0.3	0.4	6.1	-1.1	0.9	1.1	1.4
35	Gross investment	0.7	-4.8	-2.5	-3.7	-6.5	-8.4	3.3
36	Structures	-0.1	-6.9	-2.8	-6.3	-11.8	-11.1	0.8
37	Equipment	3.6	-0.1	-7.9	9.6	17.3	-3.1	19.5
38	Intellectual property products	4.2	6.9	5.0	3.3	11.5	5.8	5.7
39	Software	8.3	11.2	6.1	4.0	19.2	8.7	7.0
40	Research and development	0.3	2.7	3.9	2.6	3.9	2.8	4.3

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

Table 3.9.2. Contributions to Percent Change in Real Government Consumption Expenditures and Gross Investment

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Percent change at annual rate:							
1	Government consumption expenditures and gross investment	2.6	0.6	-0.2	-1.0	-2.3	-1.6	2.4
	Percentage points at annual rates:							
2	Consumption expenditures ¹	1.78	1.05	-0.21	-0.52	-1.07	-0.55	2.00
3	Gross investment ²	0.78	-0.47	0.06	-0.43	-1.19	-1.07	0.42
4	Structures	0.08	-0.73	-0.15	-0.50	-1.04	-0.98	0.00
5	Equipment	0.20	-0.09	-0.08	-0.02	-0.37	-0.29	0.15
6	Intellectual property products	0.50	0.34	0.29	0.09	0.22	0.19	0.28
7	Software	0.11	0.15	0.11	0.05	0.23	0.13	0.12
8	Research and development	0.39	0.19	0.18	0.04	-0.01	0.06	0.15
9	Federal	2.33	0.89	-2.88	0.01	-2.03	-1.27	1.34
10	Consumption expenditures	1.63	0.82	-3.21	0.05	-1.56	-1.12	1.27
11	Gross investment	0.70	0.07	0.33	-0.03	-0.48	-0.15	0.07
12	Structures	0.10	-0.11	0.08	0.04	0.00	-0.02	-0.06
13	Equipment	0.16	-0.09	0.02	-0.12	-0.57	-0.25	-0.08
14	Intellectual property products	0.45	0.26	0.23	0.05	0.09	0.12	0.21
15	Software	0.07	0.09	0.08	0.03	0.12	0.08	0.08
16	Research and development	0.38	0.17	0.16	0.02	-0.03	0.04	0.13
17	National defense	0.65	-0.27	-0.70	-1.17	-1.86	0.30	0.98
18	Consumption expenditures	0.36	-0.41	-0.90	-1.11	-1.22	0.50	1.02
19	Gross investment	0.29	0.14	0.20	-0.05	-0.63	-0.20	-0.04
20	Structures	0.06	0.00	0.04	0.01	0.01	0.04	0.01
21	Equipment	0.04	-0.06	0.00	-0.10	-0.63	-0.24	-0.12
22	Intellectual property products	0.19	0.19	0.16	0.03	-0.01	-0.01	0.07
23	Software	0.02	0.03	0.03	0.01	0.05	0.02	0.03
24	Research and development	0.17	0.16	0.13	0.02	-0.06	-0.02	0.04
25	Nondefense	1.68	1.17	-2.18	1.18	-0.17	-1.57	0.36
26	Consumption expenditures	1.27	1.23	-2.31	1.16	-0.33	-1.63	0.26
27	Gross investment	0.41	-0.06	0.13	0.02	0.16	0.05	0.11
28	Structures	0.03	-0.11	0.04	0.02	-0.01	-0.06	-0.07
29	Equipment	0.12	-0.02	0.01	-0.02	0.07	-0.01	0.05
30	Intellectual property products	0.26	0.07	0.07	0.02	0.11	0.13	0.14
31	Software	0.04	0.06	0.05	0.01	0.07	0.07	0.04
32	Research and development	0.21	0.01	0.02	0.01	0.03	0.06	0.09
33	State and local	0.22	-0.32	2.73	-0.96	-0.23	-0.36	1.08
34	Consumption expenditures	0.14	0.22	3.00	-0.57	0.49	0.57	0.73
35	Gross investment	0.08	-0.54	-0.27	-0.40	-0.72	-0.93	0.35
36	Structures	-0.01	-0.62	-0.23	-0.54	-1.03	-0.95	0.06
37	Equipment	0.04	0.00	-0.10	0.11	0.19	-0.04	0.22
38	Intellectual property products	0.05	0.08	0.06	0.04	0.13	0.07	0.07
39	Software	0.05	0.06	0.04	0.02	0.11	0.05	0.04
40	Research and development	0.00	0.02	0.02	0.01	0.02	0.02	0.02

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

Table 3.9.3. Real Government Consumption Expenditures and Gross Investment, Quantity

Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures and gross investment	108.615	109.239	109.073	108.812	108.191	107.748	108.396
2	Consumption expenditures ¹	107.635	109.043	108.917	108.741	108.376	108.189	108.853
3	Gross investment ²	112.676	110.029	109.698	109.084	107.398	105.891	106.467
4	Structures	106.981	98.906	98.114	96.737	93.945	91.365	91.361
5	Equipment	115.221	112.842	111.797	111.659	108.894	106.859	107.762
6	Intellectual property products	120.466	127.092	128.100	128.550	129.651	130.610	132.008
7	Software	161.286	176.225	178.584	179.858	185.850	189.394	192.641
8	Research and development	109.157	113.679	114.346	114.591	114.520	114.863	115.811
9	Federal	105.584	108.042	106.554	106.564	105.126	104.222	105.161
10	Consumption expenditures	103.378	106.253	104.219	104.265	102.868	101.856	102.991
11	Gross investment	113.610	114.528	115.064	114.944	113.350	112.850	113.065
12	Structures	96.645	81.702	81.995	83.269	83.183	82.457	80.372
13	Equipment	114.389	111.140	111.000	109.816	104.355	101.950	101.181
14	Intellectual property products	115.417	121.400	122.391	122.691	123.220	123.941	125.175
15	Software	157.360	170.363	172.915	173.900	178.645	181.860	184.984
16	Research and development	106.567	111.196	111.889	112.060	111.829	112.101	112.988
17	National defense	98.399	97.195	96.969	95.658	93.559	93.893	94.987
18	Consumption expenditures	97.034	94.802	94.396	92.854	91.147	91.845	93.254
19	Gross investment	104.133	107.235	107.770	107.443	103.687	102.482	102.241
20	Structures	98.740	99.997	101.172	102.476	103.422	107.215	108.274
21	Equipment	111.730	108.843	108.370	107.201	99.660	96.830	95.331
22	Intellectual property products	95.498	105.367	106.923	107.308	107.109	106.994	107.960
23	Software	161.243	175.436	178.190	179.678	185.993	188.031	192.522
24	Research and development	86.470	95.698	97.090	97.341	96.399	96.043	96.598
25	Nondefense	117.720	126.262	122.667	124.879	124.542	121.559	122.239
26	Consumption expenditures	114.919	126.898	121.950	124.836	123.996	119.893	120.532
27	Gross investment	126.105	124.210	124.747	124.892	126.086	126.496	127.300
28	Structures	95.289	70.910	70.671	71.923	71.230	67.856	63.970
29	Equipment	126.248	121.435	122.724	121.474	124.741	124.087	126.337
30	Intellectual property products	131.078	133.919	134.452	134.683	135.796	137.191	138.637
31	Software	155.657	168.139	170.603	171.367	175.427	179.156	181.683
32	Research and development	124.304	124.778	124.838	124.938	125.347	126.185	127.368
33	State and local	110.760	110.188	110.879	110.446	110.341	110.183	110.651
34	Consumption expenditures	110.419	110.910	111.969	111.659	111.920	112.226	112.612
35	Gross investment	112.317	106.898	105.902	104.918	103.162	100.923	101.757
36	Structures	107.854	100.371	99.485	97.881	94.858	92.120	92.293
37	Equipment	117.542	117.433	114.026	116.664	121.405	120.439	125.923
38	Intellectual property products	148.105	158.376	159.465	160.781	165.203	167.547	169.885
39	Software	169.545	188.562	190.512	192.399	201.019	205.259	208.762
40	Research and development	130.759	134.334	134.768	135.649	136.958	137.905	139.373

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

Table 3.9.4. Price Indexes for Government Consumption Expenditures and Gross Investment

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures and gross investment	115.329	121.436	122.268	124.423	127.043	130.566	131.589
2	Consumption expenditures ¹	115.915	122.269	123.111	125.166	127.723	131.318	132.100
3	Gross investment ²	112.969	118.099	118.886	121.441	124.314	127.544	129.568
4	Structures	121.562	130.638	132.053	136.466	141.267	146.635	150.210
5	Equipment	101.998	104.716	105.418	106.943	109.135	111.610	112.180
6	Intellectual property products	108.307	110.091	110.144	111.172	112.265	113.580	114.808
7	Software	95.381	94.762	94.854	95.108	94.840	95.274	95.553
8	Research and development	113.230	116.071	116.107	117.484	119.203	120.925	122.598
9	Federal	111.898	115.724	116.325	117.568	119.203	120.951	122.388
10	Consumption expenditures	113.170	117.374	118.075	119.280	120.883	122.552	124.127
11	Gross investment	107.526	110.132	110.414	111.774	113.505	115.494	116.491
12	Structures	122.692	131.733	133.245	137.122	141.669	146.729	149.590
13	Equipment	101.696	104.200	104.713	106.203	108.311	110.769	110.865
14	Intellectual property products	109.547	111.539	111.559	112.597	113.847	115.299	116.601
15	Software	95.426	94.838	94.906	95.148	94.936	95.393	95.592
16	Research and development	113.672	116.519	116.524	117.831	119.586	121.381	123.072
17	National defense	110.148	114.240	114.838	116.100	117.965	120.108	120.885
18	Consumption expenditures	111.181	115.647	116.333	117.591	119.477	121.610	122.445
19	Gross investment	105.994	108.721	109.005	110.276	112.055	114.225	114.787
20	Structures	124.476	136.856	139.141	141.706	146.215	151.013	151.646
21	Equipment	100.714	102.896	103.271	104.681	106.485	108.787	108.534
22	Intellectual property products	111.345	113.707	113.645	114.605	116.071	117.831	119.276
23	Software	94.315	93.702	93.860	93.843	93.725	94.296	94.441
24	Research and development	115.192	118.346	118.227	119.445	121.339	123.421	125.229
25	Nondefense	114.640	118.111	118.718	119.938	121.279	122.515	124.838
26	Consumption expenditures	116.559	120.394	121.117	122.252	123.474	124.503	127.145
27	Gross investment	109.275	111.746	112.027	113.491	115.167	116.963	118.426
28	Structures	121.894	128.717	129.633	134.593	139.208	144.540	149.473
29	Equipment	105.842	109.657	110.728	112.545	115.821	118.859	120.174
30	Intellectual property products	108.442	110.212	110.281	111.367	112.484	113.747	114.962
31	Software	95.923	95.347	95.373	95.735	95.479	95.883	96.106
32	Research and development	112.677	115.326	115.412	116.779	118.439	120.043	121.656
33	State and local	117.568	125.206	126.195	128.957	132.234	136.930	137.680
34	Consumption expenditures	117.635	125.332	126.266	128.842	131.985	136.744	137.050
35	Gross investment	117.262	124.627	125.862	129.515	133.441	137.823	140.811
36	Structures	121.484	130.564	131.972	136.423	141.243	146.635	150.264
37	Equipment	102.652	105.911	107.093	108.703	111.090	113.608	115.218
38	Intellectual property products	102.892	103.800	103.991	104.980	105.421	106.180	107.104
39	Software	95.298	94.621	94.756	95.033	94.661	95.051	95.479
40	Research and development	110.296	113.096	113.351	115.217	116.689	117.912	119.468

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

Table 3.9.5. Government Consumption Expenditures and Gross Investment

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures and gross investment	3,928.9	4,160.7	4,183.1	4,246.7	4,311.4	4,412.8	4,474.1
2	Consumption expenditures ¹	3,138.4	3,353.7	3,373.1	3,423.8	3,482.1	3,573.9	3,617.2
3	Gross investment ²	790.5	807.0	810.1	822.9	829.3	838.9	856.9
4	Structures	373.9	371.5	372.8	379.9	381.9	385.5	394.9
5	Equipment	168.2	169.1	168.7	171.0	170.4	171.1	173.5
6	Intellectual property products	248.4	266.3	268.6	272.0	277.1	282.4	288.5
7	Software	66.6	72.3	73.3	74.0	76.3	78.1	79.7
8	Research and development	181.8	194.1	195.3	198.0	200.8	204.3	208.8
9	Federal	1,520.6	1,609.2	1,595.5	1,612.8	1,613.1	1,622.7	1,656.8
10	Consumption expenditures	1,169.6	1,246.8	1,230.6	1,243.7	1,243.5	1,248.3	1,278.4
11	Gross investment	351.0	362.4	365.0	369.1	369.6	374.4	378.4
12	Structures	26.8	24.3	24.7	25.8	26.6	27.3	27.1
13	Equipment	120.9	120.4	120.9	121.3	117.5	117.4	116.6
14	Intellectual property products	203.2	217.7	219.5	222.1	225.5	229.7	234.6
15	Software	44.1	47.4	48.2	48.6	49.8	50.9	51.9
16	Research and development	159.2	170.3	171.3	173.5	175.7	178.8	182.7
17	National defense	882.4	904.0	906.8	904.4	898.7	918.3	935.0
18	Consumption expenditures	701.6	713.0	714.3	710.3	708.4	726.5	742.8
19	Gross investment	180.8	191.0	192.5	194.1	190.4	191.8	192.3
20	Structures	10.0	11.1	11.4	11.8	12.2	13.1	13.3
21	Equipment	95.9	95.5	95.4	95.7	90.5	89.8	88.2
22	Intellectual property products	75.0	84.5	85.7	86.7	87.7	88.9	90.8
23	Software	13.7	14.9	15.1	15.2	15.8	16.0	16.4
24	Research and development	61.2	69.6	70.6	71.5	71.9	72.9	74.4
25	Nondefense	638.1	705.1	688.8	708.4	714.4	704.4	721.8
26	Consumption expenditures	468.0	533.8	516.3	533.4	535.2	521.8	535.7
27	Gross investment	170.1	171.4	172.5	175.0	179.3	182.6	186.1
28	Structures	16.8	13.2	13.3	14.0	14.4	14.2	13.8
29	Equipment	25.0	24.9	25.5	25.6	27.1	27.6	28.4
30	Intellectual property products	128.3	133.2	133.8	135.4	137.8	140.8	143.8
31	Software	30.3	32.6	33.0	33.3	34.0	34.9	35.5
32	Research and development	97.9	100.6	100.8	102.0	103.8	105.9	108.4
33	State and local	2,408.3	2,551.6	2,587.6	2,633.9	2,698.2	2,790.0	2,817.3
34	Consumption expenditures	1,968.8	2,106.9	2,142.5	2,180.1	2,238.5	2,325.6	2,338.8
35	Gross investment	439.6	444.6	445.1	453.8	459.7	464.5	478.5
36	Structures	347.2	347.2	348.1	354.1	355.3	358.2	367.7
37	Equipment	47.3	48.7	47.9	49.7	52.9	53.6	56.9
38	Intellectual property products	45.1	48.7	49.1	50.0	51.6	52.7	53.9
39	Software	22.5	24.9	25.2	25.5	26.5	27.2	27.8
40	Research and development	22.6	23.8	23.9	24.5	25.0	25.5	26.1

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

Table 3.9.6. Real Government Consumption Expenditures and Gross Investment, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates
Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures and gross investment	3,406.7	3,426.3	3,421.0	3,412.9	3,393.4	3,379.5	3,399.8
2	Consumption expenditures ¹	2,707.5	2,742.9	2,739.7	2,735.3	2,726.1	2,721.4	2,738.1
3	Gross investment ²	699.8	683.3	681.3	677.4	667.0	657.6	661.2
4	Structures	307.6	284.4	282.1	278.2	270.1	262.7	262.7
5	Equipment	164.9	161.5	160.0	159.8	155.9	153.0	154.3
6	Intellectual property products	229.3	241.9	243.8	244.7	246.8	248.6	251.3
7	Software	69.8	76.3	77.3	77.8	80.4	82.0	83.4
8	Research and development	160.5	167.2	168.2	168.5	168.4	168.9	170.3
9	Federal	1,358.9	1,390.5	1,371.4	1,371.5	1,353.0	1,341.3	1,353.4
10	Consumption expenditures	1,033.5	1,062.2	1,041.9	1,042.4	1,028.4	1,018.3	1,029.6
11	Gross investment	326.4	329.0	330.6	330.2	325.6	324.2	324.8
12	Structures	21.8	18.5	18.5	18.8	18.8	18.6	18.2
13	Equipment	118.9	115.5	115.4	114.2	108.5	106.0	105.2
14	Intellectual property products	185.5	195.1	196.7	197.2	198.1	199.2	201.2
15	Software	46.2	50.0	50.7	51.0	52.4	53.4	54.3
16	Research and development	140.0	146.1	147.0	147.2	146.9	147.3	148.5
17	National defense	801.1	791.3	789.5	778.8	761.7	764.5	773.4
18	Consumption expenditures	631.0	616.5	613.9	603.9	592.8	597.3	606.5
19	Gross investment	170.6	175.7	176.6	176.0	169.9	167.9	167.5
20	Structures	8.0	8.1	8.2	8.3	8.4	8.7	8.8
21	Equipment	95.2	92.8	92.4	91.4	84.9	82.5	81.2
22	Intellectual property products	67.3	74.3	75.4	75.7	75.5	75.4	76.1
23	Software	14.6	15.9	16.1	16.2	16.8	17.0	17.4
24	Research and development	53.2	58.8	59.7	59.8	59.3	59.0	59.4
25	Nondefense	556.6	597.0	580.0	590.5	588.9	574.8	578.0
26	Consumption expenditures	401.5	443.4	426.1	436.2	433.2	418.9	421.1
27	Gross investment	155.7	153.3	154.0	154.2	155.7	156.2	157.2
28	Structures	13.8	10.3	10.2	10.4	10.3	9.8	9.3
29	Equipment	23.6	22.7	23.0	22.8	23.4	23.2	23.7
30	Intellectual property products	118.3	120.8	121.3	121.5	122.5	123.8	125.1
31	Software	31.6	34.1	34.6	34.8	35.6	36.4	36.9
32	Research and development	86.9	87.3	87.3	87.4	87.7	88.2	89.1
33	State and local	2,048.5	2,037.9	2,050.7	2,042.7	2,040.7	2,037.8	2,046.5
34	Consumption expenditures	1,673.6	1,681.1	1,697.1	1,692.4	1,696.4	1,701.0	1,706.9
35	Gross investment	374.8	356.8	353.4	350.2	344.3	336.8	339.6
36	Structures	285.8	265.9	263.6	259.3	251.3	244.1	244.5
37	Equipment	46.1	46.0	44.7	45.7	47.6	47.2	49.3
38	Intellectual property products	43.9	46.9	47.2	47.6	48.9	49.6	50.3
39	Software	23.6	26.3	26.6	26.8	28.0	28.6	29.1
40	Research and development	20.5	21.1	21.1	21.3	21.5	21.6	21.8
41	Residual	-2.4	-4.0	-3.5	-3.8	-3.7	-4.1	-5.2

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 3.10.1. Percent Change From Preceding Period in Real Government Consumption Expenditures and General Government Gross Output

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures ¹	2.2	1.3	-0.3	-0.6	-1.3	-0.7	2.5
2	Gross output of general government	0.8	1.6	-0.3	0.7	-0.3	1.7	2.9
3	Value added	-0.2	0.4	4.2	-0.4	1.2	0.7	1.5
4	Compensation of general government employees	-0.8	-0.1	4.8	-1.1	0.9	0.3	1.4
5	Consumption of general government fixed capital ²	1.9	2.2	2.2	2.1	2.0	2.0	1.9
6	Intermediate goods and services purchased ³	2.9	4.0	-8.1	2.8	-2.8	3.4	5.4
7	Durable goods	8.2	2.2	-0.5	8.2	-26.9	-13.1	24.3
8	Nondurable goods	-2.1	6.8	-4.1	4.2	-1.9	-0.4	2.8
9	Services	4.4	3.1	-10.4	1.7	-0.5	7.1	5.2
10	Less: Own-account investment ⁴	8.4	0.4	0.3	2.2	-2.0	-0.2	2.5
11	Less: Sales to other sectors ⁵	-8.3	3.6	-0.4	9.4	7.0	17.6	5.8
12	Federal consumption expenditures ¹	5.6	2.8	-10.2	0.2	-5.3	-3.9	4.5
13	Gross output of general government	5.8	3.1	-10.1	2.2	-4.1	1.9	4.7
14	Value added	2.8	1.2	-0.1	0.2	1.1	0.4	0.7
15	Compensation of general government employees	3.4	0.4	-1.5	-1.1	0.6	-0.7	-0.2
16	Consumption of general government fixed capital ²	2.0	2.5	2.4	2.2	2.1	2.1	2.0
17	Intermediate goods and services purchased ³	11.3	6.4	-24.8	5.8	-12.6	4.5	11.9
18	Durable goods	13.9	2.6	-1.0	12.7	-38.8	-21.1	40.4
19	Nondurable goods	0.9	33.7	-27.0	21.3	-25.3	-15.0	3.1
20	Services	12.6	3.0	-27.7	1.7	-4.3	13.7	10.1
21	Less: Own-account investment ⁴	15.1	4.0	4.6	5.6	0.5	0.7	3.2
22	Less: Sales to other sectors	-19.3	38.6	-58.0	504.0	81.5	1,054.1	13.9
23	Defense consumption expenditures ¹	2.0	-2.3	-5.1	-6.4	-7.2	3.1	6.3
24	Gross output of general government	2.1	-2.0	-4.7	-6.0	-6.9	2.9	6.1
25	Value added	1.9	1.0	-1.0	-0.3	1.5	-1.5	-0.4
26	Compensation of general government employees	2.3	0.4	-2.6	-1.4	1.6	-3.2	-1.4
27	Consumption of general government fixed capital ²	1.2	1.9	1.8	1.5	1.3	1.3	1.3
28	Intermediate goods and services purchased ³	2.4	-6.7	-10.7	-15.2	-20.5	11.3	18.5
29	Durable goods	10.1	-0.8	-7.4	-1.3	-41.4	-24.7	50.8
30	Nondurable goods	-0.7	-4.0	2.7	8.3	-15.7	-10.6	-0.7
31	Services	1.1	-8.5	-13.0	-21.0	-14.9	25.7	15.4
32	Less: Own-account investment ⁴	4.8	5.2	4.9	3.8	-3.6	-1.7	3.1
33	Less: Sales to other sectors	0.1	2.1	1.0	-0.5	14.7	-4.7	2.1
34	Nondefense consumption expenditures ¹	11.5	10.4	-16.6	9.8	-2.7	-12.6	2.1
35	Gross output of general government	11.7	10.5	-16.9	14.1	-0.5	0.6	3.0
36	Value added	4.2	1.5	1.2	0.9	0.7	2.9	2.0
37	Compensation of general government employees	4.9	0.4	0.0	-0.6	-0.9	2.7	1.5
38	Consumption of general government fixed capital ²	3.0	3.2	3.2	3.2	3.1	3.0	2.9
39	Intermediate goods and services purchased ³	30.4	28.5	-39.9	40.1	-2.3	-2.9	4.5
40	Durable goods	55.5	27.9	50.2	126.3	-25.6	-3.9	2.9
41	Nondurable goods	---	---	---	---	---	---	---
42	Commodity Credit Corporation inventory change	---	---	---	---	---	---	---
43	Other nondurable goods	3.1	65.2	-37.9	27.1	-29.3	-19.3	9.3
44	Services	36.8	20.9	-42.9	39.1	9.2	1.5	4.3
45	Less: Own-account investment ⁴	25.5	2.9	4.4	7.3	4.1	2.8	3.4
46	Less: Sales to other sectors	-31.9	73.3	-75.4	1,427.2	109.4	1,715.7	15.5
47	State and local consumption expenditures ¹	0.3	0.4	6.1	-1.1	0.9	1.1	1.4
48	Gross output of general government	-1.5	0.9	5.0	0.0	1.6	1.6	2.1
49	Value added	-1.6	0.0	6.3	-0.6	1.2	0.9	1.9
50	Compensation of general government employees	-2.1	-0.3	7.0	-1.1	1.1	0.7	1.9
51	Consumption of general government fixed capital ²	1.8	1.9	1.9	1.9	1.9	1.9	1.8

Table 3.10.1. Percent Change From Preceding Period in Real Government Consumption Expenditures and General Government Gross Output

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Table 3.10.1. Percent Change From Preceding Period in Real Government Consumption Expenditures and General Government Gross Output

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Intermediate goods and services purchased ³	-1.2	2.7	2.4	1.4	2.5	2.9	2.5
53	Durable goods	-1.3	1.4	0.5	0.2	0.5	1.6	2.0
54	Nondurable goods	-2.6	1.9	1.9	0.9	3.6	2.5	2.8
55	Services	-0.4	3.2	2.9	1.7	1.9	3.2	2.3
56	Less: Own-account investment ⁴	1.7	-3.6	-4.6	-1.9	-4.8	-1.4	1.6
57	Less: Sales to other sectors	-8.1	3.0	1.5	5.0	5.1	4.0	5.2
58	Tuition and related educational charges	-3.4	-0.5	-0.6	-0.7	3.6	3.6	3.6
59	Health and hospital charges	-6.4	5.0	1.1	8.7	5.8	2.9	5.1
60	Other sales ⁵	-13.6	1.9	3.5	2.2	4.7	6.0	6.2

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.

4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development in table 3.9.5.

5. Includes federal purchases of research and development produced by state and local general government.

Table 3.10.3. Real Government Consumption Expenditures and General Government Gross

Output, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures ¹	107.635	109.043	108.917	108.741	108.376	108.189	108.853
2	Gross output of general government	107.849	109.564	109.412	109.611	109.540	109.999	110.797
3	Value added	102.674	103.043	103.702	103.601	103.901	104.085	104.474
4	Compensation of general government employees	101.291	101.151	101.901	101.628	101.863	101.951	102.300
5	Consumption of general government fixed capital ²	107.938	110.324	110.627	111.200	111.752	112.301	112.840
6	Intermediate goods and services purchased ³	119.270	124.009	122.060	122.908	122.045	123.073	124.714
7	Durable goods	113.874	116.336	114.701	116.984	108.171	104.433	110.266
8	Nondurable goods	121.610	129.837	129.275	130.601	129.960	129.829	130.737
9	Services	118.396	122.072	119.562	120.066	119.922	121.983	123.549
10	Less: Own-account investment ⁴	123.740	124.262	124.092	124.758	124.142	124.070	124.842
11	Less: Sales to other sectors ⁵	106.359	110.195	109.879	112.383	114.300	119.033	120.713
12	Federal consumption expenditures ¹	103.378	106.253	104.219	104.265	102.868	101.856	102.991
13	Gross output of general government	104.131	107.329	105.256	105.831	104.719	105.204	106.430
14	Value added	101.781	102.981	103.049	103.095	103.389	103.481	103.651
15	Compensation of general government employees	99.677	100.059	99.974	99.703	99.842	99.657	99.604
16	Consumption of general government fixed capital ²	105.150	107.771	108.107	108.706	109.266	109.829	110.380
17	Intermediate goods and services purchased ³	108.901	115.821	109.762	111.307	107.621	108.816	111.929
18	Durable goods	110.228	113.057	110.526	113.887	100.715	94.923	103.318
19	Nondurable goods	96.946	129.663	124.413	130.571	121.375	116.553	117.457
20	Services	110.658	113.984	107.213	107.670	106.497	109.965	112.651
21	Less: Own-account investment ⁴	129.378	134.508	134.999	136.866	137.022	137.267	138.368
22	Less: Sales to other sectors	81.127	112.466	95.649	149.950	174.045	320.793	331.419
23	Defense consumption expenditures ¹	97.034	94.802	94.396	92.854	91.147	91.845	93.254
24	Gross output of general government	97.220	95.257	94.893	93.439	91.781	92.432	93.818
25	Value added	96.459	97.392	97.344	97.265	97.626	97.262	97.172
26	Compensation of general government employees	96.805	97.184	96.962	96.612	96.999	96.213	95.865
27	Consumption of general government fixed capital ²	95.772	97.624	97.865	98.237	98.552	98.877	99.207
28	Intermediate goods and services purchased ³	98.858	92.186	91.304	87.627	82.736	84.980	88.660
29	Durable goods	105.535	104.690	102.637	102.306	89.506	83.387	92.409
30	Nondurable goods	92.021	88.373	87.977	89.738	85.992	83.616	83.465
31	Services	98.197	89.897	89.224	84.123	80.802	85.558	88.676
32	Less: Own-account investment ⁴	102.520	107.852	108.634	109.653	108.645	108.176	109.000
33	Less: Sales to other sectors	97.956	100.019	100.256	100.118	103.607	102.380	102.920
34	Nondefense consumption expenditures ¹	114.919	126.898	121.950	124.836	123.996	119.893	120.532
35	Gross output of general government	116.456	128.696	123.618	127.757	127.605	127.797	128.742
36	Value added	110.037	111.646	111.892	112.131	112.323	113.120	113.694
37	Compensation of general government employees	103.983	104.370	104.484	104.328	104.101	104.807	105.191
38	Consumption of general government fixed capital ²	120.864	124.767	125.263	126.239	127.207	128.166	129.086
39	Intermediate goods and services purchased ³	131.991	169.576	151.759	165.097	164.136	162.934	164.740
40	Durable goods	167.818	214.684	206.503	253.274	235.242	232.929	234.583
41	Nondurable goods	---	---	---	---	---	---	---
42	Commodity Credit Corporation inventory change	---	---	---	---	---	---	---
43	Other nondurable goods	104.429	172.492	162.739	172.784	158.456	150.189	153.555
44	Services	138.159	167.072	146.881	159.519	163.070	163.684	165.406
45	Less: Own-account investment ⁴	166.453	171.306	171.398	174.434	176.201	177.435	178.921
46	Less: Sales to other sectors	69.730	120.876	92.764	183.381	220.604	455.378	472.070
47	State and local consumption expenditures ¹	110.419	110.910	111.969	111.659	111.920	112.226	112.612
48	Gross output of general government	109.846	110.802	111.629	111.639	112.091	112.537	113.126
49	Value added	103.139	103.122	104.057	103.888	104.192	104.418	104.908
50	Compensation of general government employees	101.860	101.544	102.576	102.303	102.571	102.751	103.235
51	Consumption of general government fixed capital ²	111.853	113.924	114.184	114.723	115.267	115.800	116.324

Table 3.10.3. Real Government Consumption Expenditures and General Government Gross Output, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Table 3.10.3. Real Government Consumption Expenditures and General Government Gross Output, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Intermediate goods and services purchased ³	125.582	128.953	129.516	129.952	130.748	131.684	132.498
53	Durable goods	121.456	123.157	123.380	123.441	123.608	124.102	124.707
54	Nondurable goods	127.390	129.828	130.294	130.590	131.738	132.559	133.467
55	Services	124.595	128.545	129.183	129.724	130.336	131.375	132.135
56	Less: Own-account investment ⁴	117.831	113.615	112.773	112.238	110.862	110.476	110.918
57	Less: Sales to other sectors	106.914	110.148	110.200	111.556	112.953	114.057	115.509
58	Tuition and related educational charges	99.212	98.673	98.611	98.439	99.325	100.219	101.121
59	Health and hospital charges	117.807	123.684	123.450	126.038	127.833	128.759	130.382
60	Other sales ⁵	95.985	97.767	98.299	98.834	99.975	101.449	102.985

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).
2. Consumption of fixed capital, or depreciation, is included in government gross output as a partial measure of the services of general government fixed assets; the use of depreciation assumes a zero net return on these assets.
3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.
4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development in table 3.9.5.
5. Includes federal purchases of research and development produced by state and local general government.

Table 3.10.4. Price Indexes for Government Consumption Expenditures and General Government Gross Output

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures ¹	115.915	122.269	123.111	125.166	127.723	131.318	132.100
2	Gross output of general government	116.011	121.844	122.612	124.479	126.960	130.232	130.962
3	Value added	121.718	126.164	126.717	128.038	129.336	130.695	131.960
4	Compensation of general government employees	124.442	128.737	129.232	130.253	131.126	132.037	133.084
5	Consumption of general government fixed capital ²	112.200	117.132	117.874	120.182	122.867	125.686	127.654
6	Intermediate goods and services purchased ³	105.141	113.230	114.346	117.113	121.548	127.996	127.829
7	Durable goods	104.609	107.291	107.888	109.617	111.900	113.914	115.770
8	Nondurable goods	84.058	101.499	103.537	108.580	118.253	133.240	128.493
9	Services	115.698	119.797	120.513	122.232	124.233	126.832	128.740
10	Less: Own-account investment ⁴	113.141	115.914	116.315	117.340	119.433	121.542	123.085
11	Less: Sales to other sectors ⁵	117.143	120.365	120.745	121.638	123.733	125.356	125.640
12	Federal consumption expenditures ¹	113.170	117.374	118.075	119.280	120.883	122.552	124.127
13	Gross output of general government	113.137	117.198	117.870	119.052	120.811	122.794	123.912
14	Value added	115.820	119.884	120.461	121.474	122.680	123.778	124.961
15	Compensation of general government employees	119.502	123.823	124.438	125.145	125.893	126.424	127.566
16	Consumption of general government fixed capital ²	110.225	113.901	114.424	115.889	117.766	119.691	120.931
17	Intermediate goods and services purchased ³	108.066	112.092	112.909	114.363	117.015	120.451	121.457
18	Durable goods	104.624	107.093	107.625	109.177	111.537	113.448	114.701
19	Nondurable goods	89.690	97.289	98.526	100.990	107.736	117.748	118.019
20	Services	112.299	115.894	116.672	117.867	119.591	121.809	122.929
21	Less: Own-account investment ⁴	112.435	113.308	113.416	113.641	115.619	117.713	119.195
22	Less: Sales to other sectors	113.026	117.983	118.548	121.761	133.905	149.674	134.109
23	Defense consumption expenditures ¹	111.181	115.647	116.333	117.591	119.477	121.610	122.445
24	Gross output of general government	111.180	115.510	116.174	117.391	119.283	121.414	122.307
25	Value added	114.048	118.337	118.965	120.012	121.334	122.441	123.555
26	Compensation of general government employees	116.858	121.561	122.278	123.149	124.014	124.523	125.718
27	Consumption of general government fixed capital ²	109.814	113.462	113.955	115.273	117.294	119.311	120.305
28	Intermediate goods and services purchased ³	106.390	110.769	111.480	112.977	115.859	119.795	120.313
29	Durable goods	104.469	106.566	107.002	108.426	110.605	112.325	113.563
30	Nondurable goods	74.099	87.606	89.303	92.391	100.852	116.694	113.402
31	Services	112.157	115.682	116.308	117.547	119.623	122.079	123.034
32	Less: Own-account investment ⁴	110.914	111.795	111.923	112.182	114.306	116.568	118.113
33	Less: Sales to other sectors	112.627	115.891	116.266	117.128	118.325	119.250	125.193
34	Nondefense consumption expenditures ¹	116.559	120.394	121.117	122.252	123.474	124.503	127.145
35	Gross output of general government	116.406	120.096	120.780	121.918	123.512	125.312	126.734
36	Value added	118.520	122.281	122.788	123.755	124.804	125.891	127.170
37	Compensation of general government employees	123.428	127.205	127.674	128.146	128.729	129.292	130.362
38	Consumption of general government fixed capital ²	110.810	114.525	115.087	116.745	118.436	120.242	121.801
39	Intermediate goods and services purchased ³	111.435	114.967	115.942	117.358	119.760	122.634	124.258
40	Durable goods	105.895	110.871	112.064	114.332	117.594	120.407	121.751
41	Nondurable goods	---	---	---	---	---	---	---
42	Commodity Credit Corporation inventory change	---	---	---	---	---	---	---
43	Other nondurable goods	107.628	110.490	111.430	113.549	119.522	125.906	128.809
44	Services	112.556	116.253	117.229	118.374	119.701	121.654	122.968
45	Less: Own-account investment ⁴	114.565	115.438	115.526	115.720	117.582	119.544	120.983
46	Less: Sales to other sectors	113.233	119.264	120.008	124.278	140.339	159.836	140.413
47	State and local consumption expenditures ¹	117.635	125.332	126.266	128.842	131.985	136.744	137.050
48	Gross output of general government	117.477	124.222	125.041	127.256	130.102	134.023	134.559
49	Value added	124.611	129.245	129.785	131.259	132.603	134.091	135.396
50	Compensation of general government employees	126.174	130.460	130.913	132.044	132.961	134.003	135.017
51	Consumption of general government fixed capital ²	114.914	121.541	122.578	126.025	129.805	133.834	136.789

Table 3.10.4. Price Indexes for Government Consumption Expenditures and General Government Gross Output

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Table 3.10.4. Price Indexes for Government Consumption Expenditures and General Government Gross Output

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Intermediate goods and services purchased ³	103.643	113.949	115.237	118.690	124.055	132.047	131.275
53	Durable goods	104.591	107.680	108.398	110.467	112.612	114.798	117.656
54	Nondurable goods	83.016	102.508	104.733	110.357	120.687	136.741	130.962
55	Services	117.909	122.352	123.032	125.092	127.272	130.119	132.547
56	Less: Own-account investment ⁴	113.892	118.953	119.709	121.756	123.991	126.110	127.728
57	Less: Sales to other sectors	117.231	120.415	120.793	121.621	123.389	124.299	125.599
58	Tuition and related educational charges	124.826	125.904	126.131	126.889	127.532	128.229	129.168
59	Health and hospital charges	115.427	118.846	119.113	119.404	121.235	121.747	122.785
60	Other sales ⁵	115.521	119.525	120.188	122.027	124.319	126.079	128.057

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).
2. Consumption of fixed capital, or depreciation, is included in government gross output as a partial measure of the services of general government fixed assets; the use of depreciation assumes a zero net return on these assets.
3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.
4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development in table 3.9.5.
5. Includes federal purchases of research and development produced by state and local general government.

Table 3.10.5. Government Consumption Expenditures and General Government Gross Output

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures ¹	3,138.4	3,353.7	3,373.1	3,423.8	3,482.1	3,573.9	3,617.2
2	Gross output of general government	3,745.7	3,996.5	4,016.2	4,084.7	4,163.5	4,288.6	4,344.0
3	Value added	2,485.9	2,585.9	2,613.7	2,638.3	2,672.8	2,705.7	2,742.0
4	Compensation of general government employees	1,961.5	2,026.4	2,049.1	2,059.8	2,078.4	2,094.6	2,118.5
5	Consumption of general government fixed capital ²	524.3	559.5	564.5	578.5	594.4	611.0	623.6
6	Intermediate goods and services purchased ³	1,259.8	1,410.6	1,402.5	1,446.4	1,490.7	1,583.0	1,602.0
7	Durable goods	86.2	90.3	89.5	92.8	87.6	86.1	92.3
8	Nondurable goods	304.2	392.1	398.2	421.8	457.2	514.6	499.7
9	Services	869.5	928.2	914.8	931.8	945.9	982.3	1,009.9
10	Less: Own-account investment ⁴	103.3	106.3	106.5	108.1	109.4	111.3	113.4
11	Less: Sales to other sectors ⁵	504.0	536.5	536.6	552.9	572.0	603.5	613.4
12	Federal consumption expenditures ¹	1,169.6	1,246.8	1,230.6	1,243.7	1,243.5	1,248.3	1,278.4
13	Gross output of general government	1,233.1	1,316.6	1,298.9	1,319.1	1,324.5	1,352.5	1,380.7
14	Value added	782.3	819.3	823.8	831.1	841.8	850.1	859.6
15	Compensation of general government employees	487.3	506.8	508.9	510.4	514.2	515.4	519.8
16	Consumption of general government fixed capital ²	295.1	312.5	314.9	320.7	327.6	334.7	339.8
17	Intermediate goods and services purchased ³	450.8	497.3	475.0	487.9	482.7	502.4	521.1
18	Durable goods	56.4	59.2	58.1	60.8	54.9	52.6	57.9
19	Nondurable goods	48.6	70.5	68.5	73.7	73.1	76.7	77.4
20	Services	345.8	367.6	348.4	353.5	354.8	373.1	385.7
21	Less: Own-account investment ⁴	55.3	57.9	58.2	59.1	60.2	61.4	62.7
22	Less: Sales to other sectors	8.2	11.9	10.1	16.3	20.8	42.8	39.6
23	Defense consumption expenditures ¹	701.6	713.0	714.3	710.3	708.4	726.5	742.8
24	Gross output of general government	731.0	744.1	745.7	742.0	740.6	759.1	776.2
25	Value added	448.4	469.8	472.0	475.8	482.8	485.4	489.4
26	Compensation of general government employees	280.6	293.0	294.1	295.1	298.3	297.1	298.9
27	Consumption of general government fixed capital ²	167.9	176.8	178.0	180.7	184.5	188.3	190.5
28	Intermediate goods and services purchased ³	282.6	274.4	273.7	266.2	257.7	273.7	286.8
29	Durable goods	49.8	50.4	49.7	50.2	44.8	42.4	47.5
30	Nondurable goods	21.7	24.7	25.1	26.4	27.7	31.1	30.2
31	Services	211.0	199.3	198.9	189.6	185.3	200.2	209.2
32	Less: Own-account investment ⁴	25.4	26.9	27.1	27.5	27.7	28.2	28.7
33	Less: Sales to other sectors	4.0	4.2	4.2	4.3	4.5	4.4	4.7
34	Nondefense consumption expenditures ¹	468.0	533.8	516.3	533.4	535.2	521.8	535.7
35	Gross output of general government	502.1	572.4	553.2	577.1	583.9	593.3	604.5
36	Value added	333.9	349.6	351.8	355.3	358.9	364.6	370.2
37	Compensation of general government employees	206.7	213.8	214.9	215.3	215.8	218.3	220.9
38	Consumption of general government fixed capital ²	127.2	135.7	136.9	140.0	143.1	146.4	149.4
39	Intermediate goods and services purchased ³	168.2	222.9	201.4	221.8	225.0	228.7	234.3
40	Durable goods	6.5	8.7	8.5	10.6	10.1	10.3	10.5
41	Nondurable goods	26.8	45.8	43.4	47.2	45.4	45.6	47.3
42	Commodity Credit Corporation inventory change	-0.2	0.0	-0.1	0.1	-0.1	0.2	-0.2
43	Other nondurable goods	27.0	45.7	43.5	47.1	45.5	45.4	47.5
44	Services	134.8	168.4	149.5	163.9	169.4	172.9	176.6
45	Less: Own-account investment ⁴	29.9	31.0	31.0	31.6	32.5	33.3	33.9
46	Less: Sales to other sectors	4.2	7.7	5.9	12.0	16.3	38.3	34.9
47	State and local consumption expenditures ¹	1,968.8	2,106.9	2,142.5	2,180.1	2,238.5	2,325.6	2,338.8
48	Gross output of general government	2,512.6	2,680.0	2,717.3	2,765.7	2,839.0	2,936.2	2,963.3
49	Value added	1,703.5	1,766.6	1,789.8	1,807.2	1,831.0	1,855.6	1,882.4
50	Compensation of general government employees	1,474.3	1,519.6	1,540.2	1,549.3	1,564.2	1,579.2	1,598.7
51	Consumption of general government fixed capital ²	229.2	247.0	249.6	257.8	266.8	276.4	283.7

Table 3.10.5. Government Consumption Expenditures and General Government Gross Output

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Table 3.10.5. Government Consumption Expenditures and General Government Gross Output

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Intermediate goods and services purchased ³	809.0	913.4	927.5	958.5	1,008.0	1,080.6	1,080.9
53	Durable goods	29.8	31.1	31.4	32.0	32.7	33.4	34.4
54	Nondurable goods	255.6	321.6	329.7	348.2	384.1	437.9	422.3
55	Services	523.7	560.6	566.4	578.3	591.2	609.2	624.2
56	Less: Own-account investment ⁴	48.1	48.4	48.3	48.9	49.2	49.9	50.7
57	Less: Sales to other sectors	495.7	524.6	526.5	536.6	551.2	560.7	573.8
58	Tuition and related educational charges	94.3	94.6	94.7	95.1	96.4	97.8	99.5
59	Health and hospital charges	256.3	277.0	277.1	283.6	292.1	295.4	301.7
60	Other sales ⁵	145.2	153.0	154.7	157.9	162.7	167.4	172.7

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).
2. Consumption of fixed capital, or depreciation, is included in government gross output as a partial measure of the services of general government fixed assets; the use of depreciation assumes a zero net return on these assets.
3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.
4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development in table 3.9.5.
5. Includes federal purchases of research and development produced by state and local general government.

Table 3.10.6. Real Government Consumption Expenditures and General Government Gross Output, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates
Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Government consumption expenditures ¹	2,707.5	2,742.9	2,739.7	2,735.3	2,726.1	2,721.4	2,738.1
2	Gross output of general government	3,228.7	3,280.1	3,275.5	3,281.5	3,279.4	3,293.1	3,317.0
3	Value added	2,042.3	2,049.7	2,062.8	2,060.8	2,066.7	2,070.4	2,078.1
4	Compensation of general government employees	1,576.3	1,574.1	1,585.8	1,581.5	1,585.2	1,586.5	1,592.0
5	Consumption of general government fixed capital ²	467.3	477.7	479.0	481.4	483.8	486.2	488.5
6	Intermediate goods and services purchased ³	1,198.2	1,245.8	1,226.2	1,234.7	1,226.1	1,236.4	1,252.9
7	Durable goods	82.4	84.1	83.0	84.6	78.2	75.5	79.8
8	Nondurable goods	361.8	386.3	384.6	388.6	386.7	386.3	389.0
9	Services	751.5	774.8	758.9	762.1	761.2	774.3	784.2
10	Less: Own-account investment ⁴	91.3	91.7	91.6	92.1	91.6	91.6	92.2
11	Less: Sales to other sectors ⁵	430.2	445.7	444.4	454.6	462.3	481.5	488.3
12	Federal consumption expenditures ¹	1,033.5	1,062.2	1,041.9	1,042.4	1,028.4	1,018.3	1,029.6
13	Gross output of general government	1,089.9	1,123.4	1,101.7	1,107.7	1,096.1	1,101.1	1,114.0
14	Value added	675.5	683.4	683.9	684.2	686.2	686.8	687.9
15	Compensation of general government employees	407.7	409.3	408.9	407.8	408.4	407.7	407.4
16	Consumption of general government fixed capital ²	267.7	274.4	275.2	276.8	278.2	279.6	281.0
17	Intermediate goods and services purchased ³	417.1	443.6	420.4	426.3	412.2	416.8	428.7
18	Durable goods	53.9	55.3	54.0	55.7	49.2	46.4	50.5
19	Nondurable goods	54.2	72.4	69.5	72.9	67.8	65.1	65.6
20	Services	307.9	317.2	298.4	299.6	296.4	306.0	313.5
21	Less: Own-account investment ⁴	49.2	51.1	51.3	52.0	52.1	52.2	52.6
22	Less: Sales to other sectors	7.3	10.1	8.6	13.4	15.6	28.7	29.7
23	Defense consumption expenditures ¹	631.0	616.5	613.9	603.9	592.8	597.3	606.5
24	Gross output of general government	657.5	644.2	641.8	631.9	620.7	625.1	634.5
25	Value added	393.2	397.0	396.8	396.5	397.9	396.4	396.1
26	Compensation of general government employees	240.1	241.0	240.5	239.6	240.6	238.6	237.7
27	Consumption of general government fixed capital ²	152.9	155.8	156.2	156.8	157.3	157.8	158.3
28	Intermediate goods and services purchased ³	265.6	247.7	245.3	235.4	222.3	228.3	238.2
29	Durable goods	47.7	47.3	46.4	46.2	40.5	37.7	41.8
30	Nondurable goods	29.4	28.2	28.1	28.6	27.4	26.7	26.6
31	Services	188.1	172.2	170.9	161.2	154.8	163.9	169.9
32	Less: Own-account investment ⁴	22.9	24.1	24.3	24.5	24.3	24.2	24.3
33	Less: Sales to other sectors	3.6	3.6	3.6	3.6	3.8	3.7	3.7
34	Nondefense consumption expenditures ¹	401.5	443.4	426.1	436.2	433.2	418.9	421.1
35	Gross output of general government	431.3	476.7	457.9	473.2	472.6	473.3	476.8
36	Value added	281.8	285.9	286.5	287.1	287.6	289.6	291.1
37	Compensation of general government employees	167.5	168.1	168.3	168.0	167.7	168.8	169.4
38	Consumption of general government fixed capital ²	114.8	118.5	119.0	119.9	120.8	121.8	122.6
39	Intermediate goods and services purchased ³	150.9	193.9	173.5	188.7	187.6	186.3	188.3
40	Durable goods	6.2	7.9	7.6	9.3	8.6	8.6	8.6
41	Nondurable goods	24.7	41.4	38.9	41.6	38.0	36.2	36.7
42	Commodity Credit Corporation inventory change	-0.4	0.0	-0.1	0.1	-0.1	0.1	-0.2
43	Other nondurable goods	25.1	41.4	39.1	41.5	38.0	36.0	36.9
44	Services	119.8	144.8	127.3	138.3	141.4	141.9	143.4
45	Less: Own-account investment ⁴	26.1	26.9	26.9	27.3	27.6	27.8	28.1
46	Less: Sales to other sectors	3.7	6.4	4.9	9.7	11.7	24.2	25.1
47	State and local consumption expenditures ¹	1,673.6	1,681.1	1,697.1	1,692.4	1,696.4	1,701.0	1,706.9
48	Gross output of general government	2,138.8	2,157.4	2,173.5	2,173.7	2,182.5	2,191.2	2,202.6
49	Value added	1,367.1	1,366.9	1,379.2	1,377.0	1,381.0	1,384.0	1,390.5
50	Compensation of general government employees	1,168.5	1,164.8	1,176.7	1,173.5	1,176.6	1,178.7	1,184.2
51	Consumption of general government fixed capital ²	199.5	203.2	203.6	204.6	205.6	206.5	207.5

Table 3.10.6. Real Government Consumption Expenditures and General Government Gross Output, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates
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Table 3.10.6. Real Government Consumption Expenditures and General Government Gross Output, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates
Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Intermediate goods and services purchased ³	780.6	801.5	805.0	807.8	812.7	818.5	823.6
53	Durable goods	28.5	28.9	28.9	29.0	29.0	29.1	29.3
54	Nondurable goods	307.9	313.8	314.9	315.6	318.4	320.4	322.6
55	Services	444.1	458.2	460.5	462.4	464.6	468.3	471.0
56	Less: Own-account investment ⁴	42.2	40.7	40.4	40.2	39.7	39.6	39.7
57	Less: Sales to other sectors	422.9	435.7	435.9	441.2	446.8	451.1	456.9
58	Tuition and related educational charges	75.5	75.1	75.1	75.0	75.6	76.3	77.0
59	Health and hospital charges	222.0	233.1	232.6	237.5	240.9	242.6	245.7
60	Other sales ⁵	125.7	128.0	128.7	129.4	130.9	132.8	134.9
61	Residual	-10.3	-13.4	-11.5	-12.1	-10.5	-12.2	-13.0

Legend / Footnotes:

1. Government consumption expenditures are services (such as education and national defense) produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.

4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development in table 3.9.5.

5. Includes federal purchases of research and development produced by state and local general government.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 3.11.1. Percent Change From Preceding Period in Real National Defense Consumption Expenditures and Gross Investment by Type

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	National defense consumption expenditures and gross investment	2.9	-1.2	-3.2	-5.3	-8.5	1.4	4.7
2	Consumption expenditures ¹	2.0	-2.3	-5.1	-6.4	-7.2	3.1	6.3
3	Gross output of general government	2.1	-2.0	-4.7	-6.0	-6.9	2.9	6.1
4	Value added	1.9	1.0	-1.0	-0.3	1.5	-1.5	-0.4
5	Compensation of general government employees	2.3	0.4	-2.6	-1.4	1.6	-3.2	-1.4
6	Military	2.5	0.4	-4.2	-2.0	4.3	-6.2	-0.6
7	Civilian	2.0	0.4	-0.1	-0.6	-2.5	1.8	-2.8
8	Consumption of general government fixed capital ²	1.2	1.9	1.8	1.5	1.3	1.3	1.3
9	Intermediate goods and services purchased ³	2.4	-6.7	-10.7	-15.2	-20.5	11.3	18.5
10	Durable goods	10.1	-0.8	-7.4	-1.3	-41.4	-24.7	50.8
11	Aircraft	8.8	-1.3	8.2	42.4	-46.4	-43.7	128.0
12	Missiles	13.5	8.7	-9.8	39.0	-66.1	-13.5	55.0
13	Ships	21.3	4.7	-23.1	-35.2	-27.5	-15.5	3.3
14	Vehicles	30.3	17.5	46.7	-33.1	-47.1	14.1	37.5
15	Electronics	6.8	-2.4	-17.6	-28.2	-23.6	-11.3	-0.9
16	Other durable goods	7.0	-7.8	-25.4	-34.0	-25.1	-10.3	9.5
17	Nondurable goods	-0.7	-4.0	2.7	8.3	-15.7	-10.6	-0.7
18	Petroleum products	-3.4	-11.5	0.0	4.9	-38.7	-13.3	6.9
19	Ammunition	-3.1	-3.8	19.0	33.3	3.0	-10.6	-13.0
20	Other nondurable goods	2.5	0.8	-2.1	-0.3	-2.4	-7.9	-1.5
21	Services	1.1	-8.5	-13.0	-21.0	-14.9	25.7	15.4
22	Installation support	8.3	-10.0	-11.9	-10.9	-13.4	4.3	17.8
23	Weapons support	1.6	-6.1	-5.6	-2.3	-16.2	7.0	32.1
24	Personnel support	0.8	-10.5	-10.5	-33.1	-16.8	34.1	-8.5
25	Transportation of material	1.0	-7.9	-21.3	-33.3	-16.4	460.7	244.5
26	Travel of persons	-28.6	20.8	-62.4	13.8	12.6	-8.7	51.7
27	Less: Own-account investment ⁴	4.8	5.2	4.9	3.8	-3.6	-1.7	3.1
28	Less: Sales to other sectors	0.1	2.1	1.0	-0.5	14.7	-4.7	2.1
29	Gross investment ⁵	6.5	3.0	4.5	-1.2	-13.3	-4.6	-0.9
30	Structures	31.7	1.3	14.6	5.3	3.7	15.5	4.0
31	Equipment	1.4	-2.6	0.2	-4.2	-25.3	-10.9	-6.0
32	Aircraft	-21.5	4.2	66.0	85.2	-37.7	81.0	-35.2
33	Missiles	47.6	-1.3	29.6	-2.3	23.3	-52.7	75.0
34	Ships	7.1	-4.2	-16.2	-21.3	7.0	-29.3	14.1
35	Vehicles	23.6	4.0	1.5	-30.1	-7.4	5.2	14.0
36	Electronics	8.1	-4.8	-15.6	-31.7	-22.3	-10.7	-0.8
37	Other equipment	4.3	-5.8	-16.7	-21.2	-39.9	-34.7	-5.7
38	Intellectual property products	10.9	10.3	8.3	1.4	-0.7	-0.4	3.7
39	Software	6.3	8.8	8.1	3.4	14.8	4.5	9.9
40	Research and development	12.0	10.7	8.3	1.0	-3.8	-1.5	2.3

Legend / Footnotes:

1. National defense consumption expenditures are defense services produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.

4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development.

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

Table 3.11.2. Contributions to Percent Change in National Defense Consumption Expenditures and Gross Investment by Type

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Percent change at annual rate:							
1	National defense consumption expenditures and gross investment	2.9	-1.2	-3.2	-5.3	-8.5	1.4	4.7
	Percentage points at annual rates:							
2	Consumption expenditures ¹	1.61	-1.83	-4.10	-5.09	-5.62	2.42	4.90
3	Gross output of general government	1.75	-1.67	-3.96	-4.98	-5.67	2.34	5.01
4	Value added	0.96	0.49	-0.52	-0.16	0.81	-0.80	-0.19
5	Compensation of general government employees	0.73	0.12	-0.86	-0.47	0.54	-1.07	-0.47
6	Military	0.48	0.07	-0.85	-0.39	0.85	-1.30	-0.11
7	Civilian	0.25	0.05	-0.01	-0.08	-0.31	0.23	-0.35
8	Consumption of general government fixed capital ²	0.23	0.37	0.34	0.30	0.27	0.27	0.28
9	Intermediate goods and services purchased ³	0.79	-2.17	-3.44	-4.82	-6.48	3.14	5.20
10	Durable goods	0.53	-0.04	-0.42	-0.06	-2.73	-1.36	2.01
11	Aircraft	0.18	-0.03	0.16	0.77	-1.29	-1.06	1.57
12	Missiles	0.07	0.05	-0.07	0.22	-0.64	-0.08	0.24
13	Ships	0.06	0.02	-0.10	-0.15	-0.10	-0.05	0.01
14	Vehicles	0.07	0.05	0.12	-0.13	-0.18	0.04	0.09
15	Electronics	0.05	-0.02	-0.15	-0.25	-0.19	-0.08	-0.01
16	Other durable goods	0.10	-0.11	-0.39	-0.52	-0.33	-0.12	0.10
17	Nondurable goods	-0.02	-0.11	0.08	0.23	-0.50	-0.36	-0.02
18	Petroleum products	-0.03	-0.09	0.00	0.04	-0.49	-0.18	0.09
19	Ammunition	-0.02	-0.02	0.10	0.19	0.02	-0.08	-0.10
20	Other nondurable goods	0.03	0.01	-0.03	0.00	-0.03	-0.10	-0.02
21	Services	0.28	-2.02	-3.09	-4.99	-3.25	4.86	3.21
22	Installation support	0.40	-0.51	-0.58	-0.52	-0.63	0.19	0.77
23	Weapons support	0.08	-0.31	-0.28	-0.11	-0.82	0.32	1.39
24	Personnel support	0.10	-1.28	-1.23	-4.19	-1.78	3.00	-0.91
25	Transportation of material	0.01	-0.06	-0.17	-0.27	-0.11	1.44	1.56
26	Travel of persons	-0.31	0.14	-0.84	0.10	0.10	-0.08	0.40
27	Less: Own-account investment ⁴	-0.14	-0.15	-0.14	-0.11	0.11	0.05	-0.09
28	Less: Sales to other sectors	0.00	-0.01	0.00	0.00	-0.06	0.02	-0.01
29	Gross investment ⁵	1.29	0.61	0.95	-0.21	-2.88	-0.98	-0.16
30	Structures	0.28	0.01	0.17	0.07	0.05	0.20	0.06
31	Equipment	0.16	-0.28	0.04	-0.41	-2.87	-1.14	-0.57
32	Aircraft	-0.62	0.09	1.10	1.53	-1.12	1.54	-1.11
33	Missiles	0.27	-0.01	0.19	-0.01	0.18	-0.53	0.39
34	Ships	0.14	-0.09	-0.36	-0.47	0.14	-0.68	0.25
35	Vehicles	0.11	0.02	0.01	-0.20	-0.04	0.03	0.07
36	Electronics	0.08	-0.05	-0.16	-0.33	-0.21	-0.09	-0.01
37	Other equipment	0.18	-0.25	-0.74	-0.93	-1.81	-1.40	-0.18
38	Intellectual property products	0.86	0.87	0.74	0.14	-0.06	-0.04	0.35
39	Software	0.10	0.13	0.13	0.06	0.24	0.08	0.17
40	Research and development	0.76	0.74	0.62	0.08	-0.30	-0.12	0.19

Legend / Footnotes:

1. National defense consumption expenditures are defense services produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).

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

3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.

4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development.

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

Table 3.11.3. Real National Defense Consumption Expenditures and Gross Investment by Type, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	National defense consumption expenditures and gross investment	98.399	97.195	96.969	95.658	93.559	93.893	94.987
2	Consumption expenditures ¹	97.034	94.802	94.396	92.854	91.147	91.845	93.254
3	Gross output of general government	97.220	95.257	94.893	93.439	91.781	92.432	93.818
4	Value added	96.459	97.392	97.344	97.265	97.626	97.262	97.172
5	Compensation of general government employees	96.805	97.184	96.962	96.612	96.999	96.213	95.865
6	Military	95.316	95.665	95.240	94.767	95.766	94.234	94.096
7	Civilian	99.269	99.695	99.803	99.653	99.036	99.477	98.783
8	Consumption of general government fixed capital ²	95.772	97.624	97.865	98.237	98.552	98.877	99.207
9	Intermediate goods and services purchased ³	98.858	92.186	91.304	87.627	82.736	84.980	88.660
10	Durable goods	105.535	104.690	102.637	102.306	89.506	83.387	92.409
11	Aircraft	97.846	96.584	93.544	102.192	87.430	75.739	93.065
12	Missiles	141.810	154.095	150.146	163.016	124.363	119.950	133.846
13	Ships	181.964	190.587	187.758	168.480	155.459	149.064	150.281
14	Vehicles	89.829	105.506	113.146	102.321	87.277	90.198	97.672
15	Electronics	88.572	86.421	85.347	78.574	73.460	71.300	71.147
16	Other durable goods	112.146	103.390	100.701	90.757	84.440	82.167	84.049
17	Nondurable goods	92.021	88.373	87.977	89.738	85.992	83.616	83.465
18	Petroleum products	70.245	62.146	61.701	62.440	55.256	53.325	54.217
19	Ammunition	117.076	112.655	113.099	121.535	122.425	119.046	114.964
20	Other nondurable goods	108.009	108.899	108.248	108.170	107.503	105.310	104.917
21	Services	98.197	89.897	89.224	84.123	80.802	85.558	88.676
22	Installation support	95.651	86.084	84.487	82.094	79.203	80.043	83.396
23	Weapons support	120.026	112.720	111.990	111.330	106.512	108.318	116.122
24	Personnel support	97.247	87.028	87.477	79.113	75.565	81.317	79.539
25	Transportation of material	60.165	55.400	54.245	49.028	46.887	72.149	98.292
26	Travel of persons	73.875	89.245	79.708	82.323	84.793	82.881	91.987
27	Less: Own-account investment ⁴	102.520	107.852	108.634	109.653	108.645	108.176	109.000
28	Less: Sales to other sectors	97.956	100.019	100.256	100.118	103.607	102.380	102.920
29	Gross investment ⁵	104.133	107.235	107.770	107.443	103.687	102.482	102.241
30	Structures	98.740	99.997	101.172	102.476	103.422	107.215	108.274
31	Equipment	111.730	108.843	108.370	107.201	99.660	96.830	95.331
32	Aircraft	106.237	110.679	113.950	132.938	118.112	136.993	122.907
33	Missiles	108.487	107.102	102.786	102.186	107.687	89.311	102.725
34	Ships	147.085	140.922	139.954	131.836	134.074	122.928	127.062
35	Vehicles	76.473	79.525	80.579	73.682	72.284	73.207	75.637
36	Electronics	93.195	88.703	88.143	80.143	75.249	73.159	73.019
37	Other equipment	112.990	106.466	104.524	98.483	86.726	77.960	76.826
38	Intellectual property products	95.498	105.367	106.923	107.308	107.109	106.994	107.960
39	Software	161.243	175.436	178.190	179.678	185.993	188.031	192.522
40	Research and development	86.470	95.698	97.090	97.341	96.399	96.043	96.598

Legend / Footnotes:

1. National defense consumption expenditures are defense services produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).
2. Consumption of fixed capital, or depreciation, is included in government gross output as a partial measure of the services of general government fixed assets; the use of depreciation assumes a zero net return on these assets.
3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.
4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development.
5. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

Table 3.11.4. Price Indexes for National Defense Consumption Expenditures and Gross Investment by Type

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	National defense consumption expenditures and gross investment	110.148	114.240	114.838	116.100	117.965	120.108	120.885
2	Consumption expenditures ¹	111.181	115.647	116.333	117.591	119.477	121.610	122.445
3	Gross output of general government	111.180	115.510	116.174	117.391	119.283	121.414	122.307
4	Value added	114.048	118.337	118.965	120.012	121.334	122.441	123.555
5	Compensation of general government employees	116.858	121.561	122.278	123.149	124.014	124.523	125.718
6	Military	111.961	117.323	118.171	119.278	120.291	120.730	121.977
7	Civilian	125.510	129.092	129.585	130.056	130.668	131.297	132.406
8	Consumption of general government fixed capital ²	109.814	113.462	113.955	115.273	117.294	119.311	120.305
9	Intermediate goods and services purchased ³	106.390	110.769	111.480	112.977	115.859	119.795	120.313
10	Durable goods	104.469	106.566	107.002	108.426	110.605	112.325	113.563
11	Aircraft	102.902	103.721	103.904	104.490	106.204	107.531	108.478
12	Missiles	104.705	106.233	106.234	107.546	108.705	110.486	111.457
13	Ships	103.278	107.413	108.514	111.385	114.503	116.978	117.928
14	Vehicles	104.033	106.239	106.420	107.728	110.746	111.625	112.269
15	Electronics	103.786	105.969	106.547	108.607	112.050	114.232	116.444
16	Other durable goods	107.749	111.625	112.419	114.690	117.026	119.127	120.654
17	Nondurable goods	74.099	87.606	89.303	92.391	100.852	116.694	113.402
18	Petroleum products	43.843	68.734	71.035	77.073	95.708	133.971	123.947
19	Ammunition	107.030	116.094	117.691	119.926	124.442	128.290	128.337
20	Other nondurable goods	106.645	111.007	112.264	112.951	114.305	117.203	118.281
21	Services	112.157	115.682	116.308	117.547	119.623	122.079	123.034
22	Installation support	111.805	116.654	117.926	119.670	121.943	124.102	125.344
23	Weapons support	113.298	115.994	116.346	117.375	118.834	120.796	121.898
24	Personnel support	114.020	117.337	117.612	118.455	120.712	121.846	122.441
25	Transportation of material	107.207	115.025	116.170	122.849	124.494	135.160	140.011
26	Travel of persons	94.909	95.338	97.878	98.538	101.247	114.393	112.794
27	Less: Own-account investment ⁴	110.914	111.795	111.923	112.182	114.306	116.568	118.113
28	Less: Sales to other sectors	112.627	115.891	116.266	117.128	118.325	119.250	125.193
29	Gross investment ⁵	105.994	108.721	109.005	110.276	112.055	114.225	114.787
30	Structures	124.476	136.856	139.141	141.706	146.215	151.013	151.646
31	Equipment	100.714	102.896	103.271	104.681	106.485	108.787	108.534
32	Aircraft	90.218	89.857	88.765	88.758	89.799	92.699	89.605
33	Missiles	94.071	93.019	94.826	95.867	95.914	97.108	97.415
34	Ships	105.515	108.761	109.118	111.167	114.650	116.133	117.758
35	Vehicles	108.214	110.837	111.883	113.687	114.564	119.297	117.300
36	Electronics	99.866	102.058	102.677	104.436	107.524	109.348	111.137
37	Other equipment	106.727	110.662	111.472	113.582	115.336	117.483	118.753
38	Intellectual property products	111.345	113.707	113.645	114.605	116.071	117.831	119.276
39	Software	94.315	93.702	93.860	93.843	93.725	94.296	94.441
40	Research and development	115.192	118.346	118.227	119.445	121.339	123.421	125.229

Legend / Footnotes:

1. National defense consumption expenditures are defense services produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).
2. Consumption of fixed capital, or depreciation, is included in government gross output as a partial measure of the services of general government fixed assets; the use of depreciation assumes a zero net return on these assets.
3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.
4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development.
5. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

Table 3.11.5. National Defense Consumption Expenditures and Gross Investment by Type

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	National defense consumption expenditures and gross investment	882.4	904.0	906.8	904.4	898.7	918.3	935.0
2	Consumption expenditures ¹	701.6	713.0	714.3	710.3	708.4	726.5	742.8
3	Gross output of general government	731.0	744.1	745.7	742.0	740.6	759.1	776.2
4	Value added	448.4	469.8	472.0	475.8	482.8	485.4	489.4
5	Compensation of general government employees	280.6	293.0	294.1	295.1	298.3	297.1	298.9
6	Military	169.8	178.6	179.1	179.9	183.3	181.0	182.6
7	Civilian	110.8	114.4	115.0	115.2	115.0	116.1	116.3
8	Consumption of general government fixed capital ²	167.9	176.8	178.0	180.7	184.5	188.3	190.5
9	Intermediate goods and services purchased ³	282.6	274.4	273.7	266.2	257.7	273.7	286.8
10	Durable goods	49.8	50.4	49.7	50.2	44.8	42.4	47.5
11	Aircraft	19.4	19.3	18.7	20.6	17.9	15.7	19.4
12	Missiles	5.3	5.8	5.7	6.2	4.8	4.7	5.3
13	Ships	3.0	3.3	3.3	3.0	2.9	2.8	2.8
14	Vehicles	2.4	2.9	3.1	2.8	2.5	2.6	2.8
15	Electronics	7.2	7.2	7.1	6.7	6.4	6.4	6.5
16	Other durable goods	12.6	12.0	11.8	10.9	10.3	10.2	10.6
17	Nondurable goods	21.7	24.7	25.1	26.4	27.7	31.1	30.2
18	Petroleum products	5.6	7.8	8.0	8.8	9.7	13.1	12.3
19	Ammunition	5.3	5.6	5.7	6.2	6.5	6.5	6.3
20	Other nondurable goods	10.8	11.3	11.4	11.5	11.5	11.6	11.6
21	Services	211.0	199.3	198.9	189.6	185.3	200.2	209.2
22	Installation support	44.8	42.1	41.8	41.2	40.5	41.7	43.9
23	Weapons support	45.7	44.0	43.8	43.9	42.6	44.0	47.6
24	Personnel support	107.8	99.3	100.1	91.2	88.8	96.4	94.8
25	Transportation of material	6.4	6.3	6.3	6.0	5.8	9.7	13.7
26	Travel of persons	6.2	7.6	7.0	7.2	7.7	8.5	9.3
27	Less: Own-account investment ⁴	25.4	26.9	27.1	27.5	27.7	28.2	28.7
28	Less: Sales to other sectors	4.0	4.2	4.2	4.3	4.5	4.4	4.7
29	Gross investment ⁵	180.8	191.0	192.5	194.1	190.4	191.8	192.3
30	Structures	10.0	11.1	11.4	11.8	12.2	13.1	13.3
31	Equipment	95.9	95.5	95.4	95.7	90.5	89.8	88.2
32	Aircraft	19.3	20.1	20.5	23.9	21.5	25.7	22.3
33	Missiles	7.0	6.8	6.7	6.7	7.1	5.9	6.9
34	Ships	18.6	18.3	18.3	17.5	18.4	17.1	17.9
35	Vehicles	4.8	5.1	5.3	4.9	4.8	5.1	5.2
36	Electronics	8.6	8.4	8.4	7.7	7.5	7.4	7.5
37	Other equipment	37.6	36.7	36.4	34.9	31.2	28.6	28.5
38	Intellectual property products	75.0	84.5	85.7	86.7	87.7	88.9	90.8
39	Software	13.7	14.9	15.1	15.2	15.8	16.0	16.4
40	Research and development	61.2	69.6	70.6	71.5	71.9	72.9	74.4

Legend / Footnotes:

1. National defense consumption expenditures are defense services produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).
2. Consumption of fixed capital, or depreciation, is included in government gross output as a partial measure of the services of general government fixed assets; the use of depreciation assumes a zero net return on these assets.
3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.
4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development.
5. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

Table 3.11.6. Real National Defense Consumption Expenditures and Gross Investment by Type, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates
Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	National defense consumption expenditures and gross investment	801.1	791.3	789.5	778.8	761.7	764.5	773.4
2	Consumption expenditures ¹	631.0	616.5	613.9	603.9	592.8	597.3	606.5
3	Gross output of general government	657.5	644.2	641.8	631.9	620.7	625.1	634.5
4	Value added	393.2	397.0	396.8	396.5	397.9	396.4	396.1
5	Compensation of general government employees	240.1	241.0	240.5	239.6	240.6	238.6	237.7
6	Military	151.7	152.2	151.5	150.8	152.4	149.9	149.7
7	Civilian	88.2	88.6	88.7	88.6	88.0	88.4	87.8
8	Consumption of general government fixed capital ²	152.9	155.8	156.2	156.8	157.3	157.8	158.3
9	Intermediate goods and services purchased ³	265.6	247.7	245.3	235.4	222.3	228.3	238.2
10	Durable goods	47.7	47.3	46.4	46.2	40.5	37.7	41.8
11	Aircraft	18.8	18.6	18.0	19.7	16.8	14.6	17.9
12	Missiles	5.0	5.5	5.3	5.8	4.4	4.3	4.7
13	Ships	2.9	3.0	3.0	2.7	2.5	2.4	2.4
14	Vehicles	2.3	2.7	2.9	2.6	2.2	2.3	2.5
15	Electronics	6.9	6.7	6.7	6.1	5.7	5.6	5.6
16	Other durable goods	11.7	10.8	10.5	9.5	8.8	8.6	8.8
17	Nondurable goods	29.4	28.2	28.1	28.6	27.4	26.7	26.6
18	Petroleum products	12.8	11.4	11.3	11.4	10.1	9.7	9.9
19	Ammunition	5.0	4.8	4.8	5.2	5.2	5.1	4.9
20	Other nondurable goods	10.1	10.2	10.1	10.1	10.1	9.9	9.8
21	Services	188.1	172.2	170.9	161.2	154.8	163.9	169.9
22	Installation support	40.1	36.1	35.4	34.4	33.2	33.6	35.0
23	Weapons support	40.4	37.9	37.6	37.4	35.8	36.4	39.0
24	Personnel support	94.6	84.6	85.1	76.9	73.5	79.1	77.4
25	Transportation of material	6.0	5.5	5.4	4.9	4.6	7.1	9.7
26	Travel of persons	6.6	7.9	7.1	7.3	7.5	7.4	8.2
27	Less: Own-account investment ⁴	22.9	24.1	24.3	24.5	24.3	24.2	24.3
28	Less: Sales to other sectors	3.6	3.6	3.6	3.6	3.8	3.7	3.7
29	Gross investment ⁵	170.6	175.7	176.6	176.0	169.9	167.9	167.5
30	Structures	8.0	8.1	8.2	8.3	8.4	8.7	8.8
31	Equipment	95.2	92.8	92.4	91.4	84.9	82.5	81.2
32	Aircraft	21.4	22.3	23.0	26.8	23.8	27.7	24.8
33	Missiles	7.4	7.3	7.0	7.0	7.4	6.1	7.0
34	Ships	17.6	16.9	16.7	15.8	16.0	14.7	15.2
35	Vehicles	4.5	4.6	4.7	4.3	4.2	4.3	4.4
36	Electronics	8.6	8.2	8.1	7.4	7.0	6.8	6.7
37	Other equipment	35.2	33.2	32.6	30.7	27.0	24.3	23.9
38	Intellectual property products	67.3	74.3	75.4	75.7	75.5	75.4	76.1
39	Software	14.6	15.9	16.1	16.2	16.8	17.0	17.4
40	Research and development	53.2	58.8	59.7	59.8	59.3	59.0	59.4
41	Residual	1.2	1.3	1.5	0.4	1.6	1.7	2.1

Legend / Footnotes:

1. National defense consumption expenditures are defense services produced by government that are valued at their cost of production. Excludes government sales to other sectors and government own-account investment (construction, software, and research and development).
2. Consumption of fixed capital, or depreciation, is included in government gross output as a partial measure of the services of general government fixed assets; the use of depreciation assumes a zero net return on these assets.
3. Includes general government intermediate inputs for goods and services sold to other sectors and for own-account investment.
4. Own-account investment is measured in current dollars by compensation of general government employees and related expenditures for goods and services and is classified as investment in structures, software, and research and development.
5. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 3.18B. Relation of Federal Government Current Receipts and Expenditures in the National Income and Product Accounts to the Budget, Fiscal Years and Quarters

[Billions of dollars; quarterly totals not seasonally adjusted]

Last Revised On: Oct 18 2022 12:00AM

Line		2020	2021	2020	2021			
				Q4	Q1	Q2	Q3	Q4
	Current receipts							
1	Budget receipts	3,420.0	4,046.0	803.4	900.6	1,352.1	989.9	1,051.9
2	Less: Coverage differences	30.9	41.9	9.8	8.9	13.9	9.3	10.4
3	Contributions received by federal employee pension and insurance funds ¹	5.2	5.6	1.5	1.3	1.5	1.4	1.6
4	Capital transfers received ²	17.5	27.1	6.2	5.3	10.0	5.6	6.6
5	Financial transactions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Other ³	8.1	9.2	2.1	2.4	2.5	2.3	2.2
7	Less: Netting and grossing differences	-245.7	-282.6	-63.1	-71.4	-74.3	-73.9	-71.6
8	Supplementary medical insurance premiums	-116.5	-122.6	-32.8	-28.2	-30.7	-30.9	-31.3
9	Interest receipts	-27.0	-22.3	-5.7	-5.5	-5.5	-5.6	-6.6
10	Current surplus of government enterprises	-0.4	-1.5	-0.2	-0.5	-0.4	-0.5	-0.2
11	Other ⁴	-101.8	-136.1	-24.3	-37.2	-37.7	-36.9	-33.4
12	Plus: Timing differences	40.5	-132.5	143.8	57.6	-334.5	0.5	52.4
13	Taxes on corporate income	3.2	-92.4	-6.9	29.8	-80.7	-34.6	-31.4
14	Federal and state unemployment insurance taxes	1.1	-12.4	1.8	4.5	-13.1	-5.6	-3.5
15	Withheld personal income tax and social security contributions	45.3	-20.8	148.3	17.8	-238.8	51.9	80.6
16	Excise taxes	-1.4	2.7	4.0	2.8	0.1	-4.1	1.1
17	Other	-7.7	-9.6	-3.4	2.8	-2.0	-7.0	5.5
18	Equals: Federal government current receipts, NIPAs	3,675.3	4,154.1	1,000.5	1,020.7	1,078.0	1,054.9	1,165.4
	Current expenditures							
19	Budget outlays	6,552.6	6,821.7	1,374.9	2,034.0	1,884.4	1,528.3	1,428.2
20	Less: Coverage differences	219.4	139.4	15.9	98.3	47.8	-22.5	38.7
21	Federal employee pension and insurance fund transactions ¹	-72.0	-82.0	-22.8	-16.4	-21.5	-21.2	-24.6
22	Interest accrued	-162.5	-167.7	-38.7	-40.0	-44.8	-44.1	-40.9
23	Contributions accrued (employer)	-82.0	-89.9	-28.2	-20.0	-20.7	-21.0	-30.9
24	Benefits paid	172.2	175.2	44.0	43.5	43.8	43.8	47.1
25	Administrative expenses	0.3	0.3	0.1	0.1	0.1	0.1	0.1
26	Financing disbursements from credit programs ⁵	382.0	-395.3	-98.8	-98.8	-98.8	-98.8	-82.8
27	Other differences in funds covered ⁶	11.0	9.5	2.4	2.5	2.5	2.1	3.1
28	Net investment ⁷	40.9	43.6	14.5	8.6	10.6	9.9	10.6
29	Capital transfers paid	103.4	148.5	22.4	75.9	20.6	29.7	22.4
30	Financial transactions	-224.0	442.5	107.8	135.3	136.9	62.5	121.0
31	Loan disbursements less loan repayments and sales	-225.4	469.9	115.0	137.4	152.2	65.2	126.4
32	Deposit insurance	-0.3	-0.6	0.1	-0.5	-0.4	0.3	-0.4
33	Net purchases of foreign currency	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	Other	1.8	-26.8	-7.2	-1.6	-14.9	-3.0	-5.0
35	Net purchases of nonproduced assets	-3.0	-9.0	0.0	-4.5	0.0	-4.5	0.0
36	Other ⁸	-18.9	-18.3	-9.6	-4.3	-2.4	-2.0	-11.0
37	Less: Netting and grossing differences	-245.7	-282.6	-63.1	-71.4	-74.3	-73.9	-71.6
38	Supplementary medical insurance premiums	-116.5	-122.6	-32.8	-28.2	-30.7	-30.9	-31.3
39	Interest receipts	-27.0	-22.3	-5.7	-5.5	-5.5	-5.6	-6.6
40	Current surplus of government enterprises	-0.4	-1.5	-0.2	-0.5	-0.4	-0.5	-0.2
41	Other ⁴	-101.8	-136.1	-24.3	-37.2	-37.7	-36.9	-33.4
42	Plus: Timing differences	-159.6	142.0	51.0	31.6	9.4	50.0	59.5
43	Purchases (increase in payables net of advances)	-7.9	7.9	-10.3	10.8	2.1	5.2	-11.1
44	Interest payments	0.2	0.2	0.0	0.0	0.0	0.0	0.0
45	Current transfer payments	-79.4	79.6	-8.9	48.9	22.7	16.9	29.5
46	Other ⁹	-72.4	54.4	70.0	-28.1	-15.4	27.9	41.1
47	Equals: Federal government current expenditures, NIPAs	6,419.3	7,106.9	1,473.1	2,038.8	1,920.3	1,674.7	1,520.6
	Net federal government saving							
48	Budget surplus or deficit (-) (1-19)	-3,132.6	-2,775.7	-571.6	-1,133.5	-532.2	-538.4	-376.3

Table 3.18B. Relation of Federal Government Current Receipts and Expenditures in the National Income and Product Accounts to the Budget, Fiscal Years and Quarters

[Billions of dollars; quarterly totals not seasonally adjusted]

Last Revised On: Oct 18 2022 12:00AM

Line		2020	2021	2020	2021			
				Q4	Q1	Q2	Q3	Q4
49	Plus: Net investment (28)	40.9	43.6	14.5	8.6	10.6	9.9	10.6
50	Less: Net capital transfers received (4-29)	-85.8	-121.5	-16.2	-70.6	-10.6	-24.0	-15.8
51	Less: Federal employee retirement plans (3-21)	77.2	87.7	24.3	17.7	23.0	22.6	26.2
52	Less: Other coverage differences (5+ 6-26-27-30-35-36)	-139.0	-20.1	0.4	-27.9	-35.7	43.0	-28.1
53	Less: Timing differences (42-12)	-200.1	274.6	-92.9	-26.0	343.9	49.6	7.1
54	Equals: Federal government saving, national income and product accounts (18-47)	-2,744.0	-2,952.7	-472.6	-1,018.1	-842.3	-619.7	-355.2

Legend / Footnotes:

1. In the NIPAs, pension plans are treated as 'pass-through' institutions that hold financial assets on behalf of households, which are the effective owners. Pension plans are classified as financial corporations that receive contributions and property income on behalf of plan participants but do not have saving or net worth of their own. Table 7.23 shows transactions of the federal government defined-benefit pension subsectors. Contributions for publicly administered insurance funds are transactions with the household sector and include the Medicare-eligible Retiree Health Care Fund.
2. Consists of estate and gift taxes.
3. Beginning with 1996, consists largely of Universal Service Fund receipts; prior to 1996 consisted largely of U.S. Treasury receipts from sales of foreign currencies to government agencies. Includes certain revenues collected from and repaid to U.S. territories and the Commonwealths of Puerto Rico and Northern Mariana Islands.
4. Includes proprietary receipts that are netted against outlays in the budget and that are classified as receipts in the NIPAs. Also includes some transactions that are not reflected in the budget data but that are added to both receipts and expenditures in the NIPAs.
5. Consists of transactions (not included in the budget totals) that record all cash flows arising from post-1991 direct loan obligations and loan guarantee commitments. Many of these flows are for new loans or loan repayments; consequently, related entries are included in 'Loan disbursements less loan repayments and sales.'
6. Consists largely of agencies or accounts such as the Postal Service and the Federal Financing Bank that were not included in the budget in some time periods, and beginning with 1996, the Universal Service Fund. Includes repayments of certain collections from the U.S. territories and the Commonwealths of Puerto Rico and Northern Mariana Islands.
7. Net investment is gross investment less consumption of fixed capital for government enterprises and general government.
8. Includes net expenditures of foreign currencies. Also includes, as subtractions, forgiveness of debts owed by foreign governments to the U.S. government and payments to the Uniformed Services Retiree Health Care Fund and Postal Service Retiree Health Care Fund to amortize unfunded liabilities; these are classified as capital expenditures in the NIPAs and are excluded from both budget outlays and NIPA current expenditures.
9. Primarily includes timing on subsidies and government enterprises.

Note. Through 1976, fiscal year estimates reflect a July 1-June 30 federal fiscal year. Beginning with 1977, fiscal year estimates reflect an October 1-September 30 federal fiscal year. NIPA quarterly and fiscal year estimates in this table are consistent with the not seasonally adjusted estimates in table 3.22.

NIPAs National income and product accounts

Table 4.1. Foreign Transactions in the National Income and Product Accounts

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Current receipts from the rest of the world	3,290.1	3,803.5	3,836.5	4,032.3	4,133.1	4,450.5	---
2	Exports of goods and services	2,148.6	2,539.6	2,553.3	2,733.0	2,811.2	3,038.8	3,060.0
3	Goods ¹	1,420.0	1,741.5	1,751.6	1,878.2	1,940.9	2,134.7	2,135.0
4	Durable	828.8	962.7	962.8	999.2	1,026.8	1,062.5	1,084.4
5	Nondurable	591.2	778.7	788.7	878.9	914.0	1,072.1	1,050.6
6	Services ¹	728.6	798.2	801.8	854.9	870.4	904.2	925.1
7	Income receipts	971.3	1,087.0	1,106.8	1,120.9	1,147.1	1,231.3	---
8	Wage and salary receipts	6.6	6.9	6.9	7.0	7.0	7.1	---
9	Income receipts on assets	964.7	1,080.1	1,099.9	1,114.0	1,140.0	1,224.2	---
10	Interest	220.1	210.7	212.6	218.9	228.0	256.0	---
11	Dividends	554.2	502.6	578.3	443.9	675.5	676.3	---
12	Reinvested earnings on U.S. direct investment abroad	190.4	366.8	308.9	451.1	236.6	291.8	---
13	Current taxes, contributions for government social insurance, and transfer receipts from the rest of the world ²	170.2	176.8	176.4	178.4	174.9	180.4	177.2
14	To persons	9.0	7.0	7.3	6.7	7.1	7.0	7.4
15	To business	125.0	130.1	131.0	131.1	125.5	126.0	125.6
16	To government	36.2	39.7	38.1	40.6	42.2	47.4	44.1
17	Current payments to the rest of the world	3,882.5	4,664.9	4,751.5	4,939.9	5,242.6	5,471.0	---
18	Imports of goods and services	2,776.1	3,401.4	3,442.5	3,647.7	3,927.9	4,074.4	3,961.4
19	Goods ¹	2,304.5	2,844.7	2,850.5	3,029.0	3,289.3	3,394.8	3,271.4
20	Durable	1,502.5	1,841.1	1,823.8	1,924.5	2,090.9	2,116.6	2,069.5
21	Nondurable	802.0	1,003.6	1,026.7	1,104.5	1,198.4	1,278.2	1,202.0
22	Services ¹	471.6	556.7	592.0	618.7	638.6	679.6	690.0
23	Income payments	774.3	913.9	939.0	939.5	958.4	1,023.3	---
24	Wage and salary payments	14.4	17.6	18.2	18.2	20.8	21.0	---
25	Income payments on assets	759.9	896.3	920.8	921.2	937.6	1,002.4	---
26	Interest	444.9	439.3	445.2	448.9	462.4	496.5	---
27	Dividends	234.5	244.9	244.2	246.0	275.2	274.4	---
28	Reinvested earnings on foreign direct investment in the United States	80.5	212.1	231.3	226.3	200.0	231.5	---
29	Current taxes and transfer payments to the rest of the world ²	332.1	349.6	370.1	352.7	356.4	373.2	395.4
30	From persons	104.1	109.4	110.8	112.5	114.3	115.8	115.8
31	From government	87.7	93.6	108.7	85.2	97.3	108.6	127.4
32	From business	140.3	146.6	150.6	155.0	144.8	148.8	152.2
33	Balance on current account, NIPAs	-592.5	-861.4	-915.0	-907.6	-1,109.5	-1,020.5	---
	Addenda:							
34	Net lending or net borrowing (-), NIPAs	-598.5	-865.0	-903.5	-915.5	-1,117.5	-1,036.7	---
35	Balance on current account, NIPAs	-592.5	-861.4	-915.0	-907.6	-1,109.5	-1,020.5	---
36	Less: Capital account transactions (net) ³	6.0	3.6	-11.5	7.8	8.0	16.1	---

Legend / Footnotes:

1. Beginning with 1959, exports and imports of certain goods, primarily military equipment purchased and sold by the federal government, are reclassified from services to goods. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Prior to 1999, current taxes, contributions for government social insurance, and transfer receipts from the rest of the world (line 13) are not separately displayed, and line 29 includes current taxes and transfer payments to the rest of the world net of current taxes, contributions for government social insurance, and transfer receipts from the rest of the world.

3. Consists of capital transfers and the acquisition and disposal of nonproduced nonfinancial assets. Prior to 1982, reflects only capital grants paid to the U.S. territories and the Commonwealths of Puerto Rico and Northern Mariana Islands.

Table 4.2.1. Percent Change From Preceding Period in Real Exports and in Real Imports of Goods and Services by Type of Product

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Exports of goods and services	-13.2	6.1	-1.1	23.5	-4.6	13.8	14.4
2	Exports of goods ¹	-10.1	7.4	-3.7	23.4	-7.2	15.5	17.2
3	Foods, feeds, and beverages	4.9	-4.7	-23.4	74.9	-21.8	30.5	-27.9
4	Industrial supplies and materials	-2.9	1.9	-7.7	17.5	-9.3	23.7	33.0
5	Durable goods	-6.9	11.5	-10.2	-4.1	-2.5	5.9	-1.6
6	Nondurable goods	-1.5	-1.4	-6.5	25.8	-11.2	29.0	43.3
7	Petroleum and products	-2.9	-5.8	-29.7	51.2	-22.7	22.6	52.4
8	Nondurable goods, excluding petroleum and products	-0.3	2.2	18.8	7.5	1.2	36.0	34.3
9	Capital goods, except automotive	-16.2	10.9	-6.3	9.2	5.8	1.4	12.9
10	Civilian aircraft, engines, and parts	-43.7	7.6	-5.4	41.0	2.7	13.7	-5.6
11	Computers, peripherals, and parts	-8.9	12.6	2.6	6.7	-7.9	-14.5	44.9
12	Other	-7.8	11.4	-7.4	3.7	8.3	0.8	14.1
13	Automotive vehicles, engines, and parts	-20.8	10.6	-9.3	32.6	-0.7	11.8	1.3
14	Consumer goods, except food and automotive	-15.3	26.4	44.7	42.7	-25.2	21.8	2.7
15	Durable goods	-23.3	23.1	16.4	22.2	-4.3	37.5	-5.4
16	Nondurable goods	-6.6	29.3	74.7	61.5	-38.9	9.0	10.9
17	Other ²	-1.8	-1.0	-9.8	14.7	14.9	0.0	119.3
18	Exports of services ¹	-18.8	3.3	4.7	23.6	1.6	9.9	8.3
19	Transport	-36.5	6.7	5.5	66.1	3.7	20.5	3.5
20	Travel (for all purposes including education)	-63.3	-6.3	43.0	229.9	21.0	142.4	28.9
21	Charges for the use of intellectual property n.e.c.	-6.9	3.6	3.1	14.0	-18.3	-7.2	-0.5
22	Other business services ³	0.0	4.3	1.3	3.8	-1.7	2.6	7.1
23	Government goods and services n.e.c.	-3.9	1.6	-7.3	23.7	167.1	-77.0	-4.4
24	Other	-18.2	28.7	-4.7	0.2	-6.7	4.5	18.1
25	Imports of goods and services	-9.0	14.1	6.6	18.6	18.4	2.2	-6.9
26	Imports of goods ¹	-5.8	14.5	0.2	19.6	20.4	-0.4	-8.7
27	Foods, feeds, and beverages	3.2	9.3	-0.9	3.1	8.5	20.0	-10.6
28	Industrial supplies and materials	-8.4	10.0	19.0	10.0	-3.3	-5.1	0.3
29	Durable goods	-8.2	15.2	23.8	34.9	-13.0	24.3	-8.0
30	Nondurable goods	-8.5	6.6	16.1	-2.9	3.0	-18.6	5.1
31	Petroleum and products	-12.4	5.5	11.5	-2.1	-2.9	-17.9	6.4
32	Nondurable goods, excluding petroleum and products	-3.3	7.8	22.1	-4.0	11.5	-19.8	3.2
33	Capital goods, except automotive	-4.0	16.6	2.0	13.0	27.5	-1.4	7.4
34	Civilian aircraft, engines, and parts	-28.7	-10.5	-22.8	-28.8	106.3	-9.2	3.0
35	Computers, peripherals, and parts	14.9	14.9	16.4	23.5	39.6	-28.5	33.9
36	Other	-5.9	19.9	0.2	13.5	19.9	9.1	1.0
37	Automotive vehicles, engines, and parts	-18.1	10.5	-17.7	10.9	38.7	15.5	12.5
38	Consumer goods, except food and automotive	-0.5	20.7	-7.3	36.4	53.4	-1.3	-34.5
39	Durable goods	-1.7	32.5	-14.4	36.6	60.2	-12.1	-36.6
40	Nondurable goods	0.7	9.7	1.3	36.3	46.0	12.4	-32.1
41	Other	-6.5	7.6	8.7	72.7	-45.0	-24.2	-18.8
42	Imports of services ¹	-22.0	12.3	45.3	14.0	9.1	16.6	2.3
43	Transport	-34.6	29.5	51.9	26.2	65.3	21.9	-24.4
44	Travel (for all purposes including education)	-74.3	67.5	378.0	81.4	6.6	238.1	47.7
45	Charges for the use of intellectual property n.e.c.	11.3	-12.7	57.3	-34.2	175.2	-70.1	1.1
46	Other business services ³	0.8	6.8	19.1	8.2	-18.3	4.0	4.1
47	Government goods and services n.e.c.	0.0	-5.4	-2.0	-1.2	-6.2	14.6	9.0
48	Other	-30.7	25.6	-7.9	1.5	-3.7	-8.7	2.1
	Addenda:							
49	Exports of durable goods	-16.0	11.7	-5.4	11.6	2.6	7.2	9.7
50	Exports of nondurable goods	-0.9	2.1	-1.1	39.4	-17.2	25.1	25.2

Table 4.2.1. Percent Change From Preceding Period in Real Exports and in Real Imports of Goods and Services by Type of Product

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
51	Exports of agricultural goods ⁴	5.2	-5.2	-22.4	59.8	-15.7	28.9	-28.4
52	Exports of nonagricultural goods	-11.6	9.0	-1.5	20.0	-6.2	14.1	23.5
53	Imports of durable goods	-7.4	18.0	-3.0	22.4	25.1	1.3	-6.2
54	Imports of nondurable goods	-2.7	8.4	6.9	15.0	12.5	-3.1	-12.9
55	Imports of nonpetroleum goods	-5.3	15.2	-0.5	21.8	22.8	1.6	-10.3

Legend / Footnotes:

n.e.c. Not elsewhere classified

1. Beginning in 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes net exports of goods under merchanting, beginning in 1999, reclassified from services to goods.

3. Includes maintenance and repair services, insurance services, financial services, telecommunication, computer and information services, personal, cultural, and recreational services, construction services, and other other business services.

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

Table 4.2.2. Contributions to Percent Change in Real Exports and Real Imports of Goods and Services by Type of Product

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Percent change at annual rate: Exports of goods and services	-13.2	6.1	-1.1	23.5	-4.6	13.8	14.4
2	Percentage points at annual rates: Exports of goods ¹	-6.53	4.96	-2.50	16.22	-5.09	10.67	11.91
3	Foods, feeds, and beverages	0.26	-0.32	-1.75	3.90	-1.55	1.85	-1.97
4	Industrial supplies and materials	-0.57	0.43	-1.86	4.62	-2.47	6.12	8.50
5	Durable goods	-0.36	0.67	-0.68	-0.18	-0.15	0.38	-0.07
6	Nondurable goods	-0.22	-0.24	-1.18	4.80	-2.32	5.74	8.57
7	Petroleum and products	-0.20	-0.46	-2.89	3.93	-2.44	2.33	5.12
8	Nondurable goods, excluding petroleum and products	-0.02	0.21	1.71	0.87	0.13	3.41	3.45
9	Capital goods, except automotive	-3.56	2.25	-1.31	2.01	1.11	0.33	2.45
10	Civilian aircraft, engines, and parts	-2.21	0.25	-0.17	1.22	0.09	0.43	-0.12
11	Computers, peripherals, and parts	-0.16	0.23	0.05	0.13	-0.14	-0.26	0.63
12	Other	-1.18	1.77	-1.18	0.66	1.17	0.16	1.95
13	Automotive vehicles, engines, and parts	-1.35	0.60	-0.53	1.69	-0.03	0.64	0.10
14	Consumer goods, except food and automotive	-1.26	2.03	3.24	3.57	-2.54	1.72	0.25
15	Durable goods	-1.00	0.84	0.62	0.91	-0.18	1.33	-0.21
16	Nondurable goods	-0.26	1.19	2.63	2.67	-2.37	0.39	0.46
17	Other ²	-0.05	-0.03	-0.29	0.43	0.40	0.00	2.58
18	Exports of services ¹	-6.71	1.10	1.42	7.30	0.50	3.12	2.53
19	Transport	-1.31	0.17	0.16	1.51	0.10	0.57	0.12
20	Travel (for all purposes including education)	-5.00	-0.20	0.93	4.04	0.68	3.66	1.18
21	Charges for the use of intellectual property n.e.c.	-0.34	0.19	0.15	0.69	-0.93	-0.32	-0.02
22	Other business services ³	0.00	0.90	0.26	0.84	-0.32	0.54	1.26
23	Government goods and services n.e.c.	-0.03	0.02	-0.07	0.22	0.98	-1.33	-0.03
24	Other	-0.02	0.03	-0.01	0.00	-0.01	0.00	0.02
25	Percent change at annual rate: Imports of goods and services	-9.0	14.1	6.6	18.6	18.4	2.2	-6.9
26	Percentage points at annual rates: Imports of goods ¹	-4.67	12.08	0.40	16.17	16.74	-0.30	-7.34
27	Foods, feeds, and beverages	0.16	0.52	-0.05	0.21	0.49	0.97	-0.58
28	Industrial supplies and materials	-1.33	1.72	3.33	2.10	-0.48	-1.08	0.11
29	Durable goods	-0.49	1.03	1.61	2.38	-0.96	1.64	-0.59
30	Nondurable goods	-0.85	0.69	1.72	-0.28	0.48	-2.72	0.70
31	Petroleum and products	-0.71	0.31	0.71	-0.12	-0.18	-1.54	0.52
32	Nondurable goods, excluding petroleum and products	-0.14	0.38	1.01	-0.17	0.66	-1.17	0.18
33	Capital goods, except automotive	-0.89	3.76	0.46	2.92	5.61	-0.31	1.58
34	Civilian aircraft, engines, and parts	-0.59	-0.17	-0.32	-0.37	0.84	-0.11	0.03
35	Computers, peripherals, and parts	0.62	0.76	0.75	1.10	1.74	-1.58	1.36
36	Other	-0.93	3.17	0.04	2.19	3.03	1.38	0.18
37	Automotive vehicles, engines, and parts	-2.21	1.13	-1.98	1.11	3.31	1.41	1.18
38	Consumer goods, except food and automotive	-0.11	4.59	-1.71	7.31	10.25	-0.30	-8.94
39	Durable goods	-0.18	3.47	-1.85	3.89	6.00	-1.56	-5.01
40	Nondurable goods	0.07	1.11	0.14	3.42	4.25	1.26	-3.93
41	Other	-0.29	0.34	0.34	2.53	-2.43	-0.99	-0.69
42	Imports of services ¹	-4.29	2.06	6.21	2.42	1.66	2.54	0.41
43	Transport	-1.25	0.79	1.30	0.82	1.88	0.76	-1.11
44	Travel (for all purposes including education)	-3.20	0.80	2.67	1.32	0.15	2.91	1.11
45	Charges for the use of intellectual property n.e.c.	0.16	-0.22	0.61	-0.53	1.42	-1.52	0.01
46	Other business services ³	0.08	0.69	1.67	0.81	-1.74	0.32	0.34
47	Government goods and services n.e.c.	0.00	-0.05	-0.02	-0.01	-0.04	0.09	0.05
48	Other	-0.07	0.05	-0.02	0.00	-0.01	-0.02	0.00

Legend / Footnotes:

n.e.c. Not elsewhere classified

1. Beginning in 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes net exports of goods under merchanting, beginning in 1999, reclassified from services to goods.

3. Includes maintenance and repair services, insurance services, financial services, telecommunication, computer and information services, personal, cultural, and recreational services, construction services, and other other business services.

Table 4.2.3. Real Exports and Imports of Goods and Services by Type of Product, Quantity

Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Exports of goods and services	100.631	106.722	105.462	111.181	109.886	113.493	117.384
2	Exports of goods ¹	105.236	113.031	111.241	117.255	115.075	119.306	124.123
3	Foods, feeds, and beverages	123.426	117.647	106.865	122.898	115.572	123.531	113.832
4	Industrial supplies and materials	127.528	129.935	127.301	132.550	129.363	136.415	146.499
5	Durable goods	93.849	104.612	103.872	102.791	102.133	103.618	103.188
6	Nondurable goods	143.380	141.395	137.955	146.101	141.815	151.133	165.353
7	Petroleum and products	206.916	194.839	185.427	205.609	192.820	202.900	225.446
8	Nondurable goods, excluding petroleum and products	109.101	111.531	111.214	113.238	113.563	122.641	132.033
9	Capital goods, except automotive	88.868	98.593	98.634	100.821	102.251	102.604	105.764
10	Civilian aircraft, engines, and parts	62.746	67.539	68.483	74.620	75.123	77.570	76.459
11	Computers, peripherals, and parts	111.299	125.280	124.974	127.030	124.454	119.678	131.304
12	Other	95.100	105.980	105.778	106.731	108.869	109.088	112.747
13	Automotive vehicles, engines, and parts	86.963	96.140	91.694	98.402	98.218	100.999	101.317
14	Consumer goods, except food and automotive	102.637	129.722	134.897	147.425	137.114	144.050	145.000
15	Durable goods	88.791	109.325	111.252	116.964	115.671	125.264	123.544
16	Nondurable goods	119.428	154.435	163.510	184.316	162.951	166.496	170.859
17	Other ²	120.865	119.613	115.555	119.584	123.814	123.803	150.656
18	Exports of services ¹	92.401	95.472	95.150	100.322	100.715	103.116	105.198
19	Transport	68.559	73.131	72.419	82.213	82.960	86.917	87.678
20	Travel (for all purposes including education)	43.294	40.560	39.936	53.824	56.452	70.436	75.051
21	Charges for the use of intellectual property n.e.c.	95.672	99.127	98.296	101.568	96.552	94.769	94.652
22	Other business services ³	118.580	123.671	123.812	124.983	124.434	125.236	127.394
23	Government goods and services n.e.c.	93.862	95.362	92.686	97.750	124.966	86.584	85.624
24	Other	40.374	51.973	53.482	53.511	52.591	53.171	55.434
25	Imports of goods and services	113.903	130.002	130.223	135.893	141.755	142.543	140.006
26	Imports of goods ¹	119.683	137.054	135.873	142.077	148.812	148.673	145.319
27	Foods, feeds, and beverages	134.846	147.448	148.815	149.957	153.035	160.160	155.755
28	Industrial supplies and materials	90.121	99.100	100.980	103.419	102.551	101.230	101.307
29	Durable goods	111.536	128.524	129.454	139.504	134.746	142.287	139.349
30	Nondurable goods	83.741	89.254	91.581	90.904	91.571	86.969	88.063
31	Petroleum and products	74.597	78.669	80.728	80.294	79.701	75.866	77.056
32	Nondurable goods, excluding petroleum and products	102.918	110.975	113.838	112.669	115.766	109.570	110.427
33	Capital goods, except automotive	132.804	154.879	155.201	160.013	170.035	169.418	172.474
34	Civilian aircraft, engines, and parts	99.822	89.370	87.316	80.198	96.114	93.827	94.528
35	Computers, peripherals, and parts	138.408	158.966	157.231	165.748	180.155	165.681	178.227
36	Other	135.620	162.582	163.869	169.150	176.989	180.903	181.363
37	Automotive vehicles, engines, and parts	108.175	119.482	114.536	117.549	127.569	132.259	136.214
38	Consumer goods, except food and automotive	142.622	172.118	167.068	180.556	200.943	200.275	180.185
39	Durable goods	157.888	209.269	202.151	218.533	245.863	238.042	212.431
40	Nondurable goods	126.510	138.745	135.409	146.300	160.827	165.593	150.302
41	Other	135.090	145.304	143.244	164.213	141.425	131.943	125.238
42	Imports of services ¹	90.609	101.710	107.236	110.797	113.227	117.665	118.338
43	Transport	69.923	90.528	96.076	101.828	115.465	121.335	113.144
44	Travel (for all purposes including education)	38.902	65.177	79.285	92.014	93.489	126.771	139.747
45	Charges for the use of intellectual property n.e.c.	121.502	106.045	116.544	104.973	135.208	99.955	100.231
46	Other business services ³	114.136	121.841	124.478	126.967	120.699	121.889	123.125
47	Government goods and services n.e.c.	79.065	74.818	74.684	74.452	73.266	75.809	77.457
48	Other	64.769	81.373	84.052	84.360	83.570	81.691	82.123
	Addenda:							
49	Exports of durable goods	90.202	100.734	100.005	102.780	103.432	105.239	107.709
50	Exports of nondurable goods	133.657	136.453	132.956	144.459	137.821	145.747	154.156

Table 4.2.3. Real Exports and Imports of Goods and Services by Type of Product, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
51	Exports of agricultural goods ⁴	124.548	118.048	108.306	121.763	116.673	124.322	114.347
52	Exports of nonagricultural goods	103.340	112.622	111.683	116.880	115.014	118.875	125.328
53	Imports of durable goods	129.081	152.305	150.147	157.914	167.002	167.535	164.891
54	Imports of nondurable goods	106.372	115.256	115.503	119.612	123.195	122.227	118.082
55	Imports of nonpetroleum goods	127.540	146.897	145.240	152.583	160.618	161.270	156.966

Legend / Footnotes:

n.e.c. Not elsewhere classified

1. Beginning in 1986, repairs and alterations of equipment are reclassified from goods to services.
2. Includes net exports of goods under merchanting, beginning in 1999, reclassified from services to goods.
3. Includes maintenance and repair services, insurance services, financial services, telecommunication, computer and information services, personal, cultural, and recreational services, construction services, and other other business services.
4. Includes parts of foods, feeds, and beverages, of nondurable industrial supplies and materials, and of nondurable nonautomotive consumer goods.

Table 4.2.4. Price Indexes for Exports and Imports of Goods and Services by Type of Product

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Exports of goods and services	96.278	107.304	109.210	110.868	115.384	120.763	117.574
2	Exports of goods ¹	88.217	100.726	102.957	104.713	110.259	116.969	112.446
3	Foods, feeds, and beverages	84.815	105.251	107.866	107.553	114.997	122.112	118.306
4	Industrial supplies and materials	73.120	98.231	102.969	106.753	117.738	132.202	120.528
5	Durable goods	93.500	108.680	110.973	113.158	117.687	120.386	114.746
6	Nondurable goods	66.605	94.305	99.736	103.938	116.702	134.421	121.215
7	Petroleum and products	47.107	74.848	80.609	85.129	103.451	125.524	108.507
8	Nondurable goods, excluding petroleum and products	86.254	111.640	116.050	119.607	124.569	135.933	128.128
9	Capital goods, except automotive	98.752	100.140	100.588	101.406	102.893	104.134	104.830
10	Civilian aircraft, engines, and parts	121.660	125.432	126.148	127.117	128.082	129.831	131.169
11	Computers, peripherals, and parts	75.188	75.705	76.672	77.530	79.504	81.106	79.723
12	Other	95.781	96.880	97.185	97.946	99.409	100.481	101.352
13	Automotive vehicles, engines, and parts	101.362	102.526	102.665	103.268	104.669	106.412	107.549
14	Consumer goods, except food and automotive	93.671	94.434	94.521	94.937	96.016	96.582	96.637
15	Durable goods	93.780	94.647	95.106	95.629	97.863	99.433	100.706
16	Nondurable goods	93.430	94.101	93.872	94.203	94.351	94.037	93.015
17	Other ²	90.749	104.488	106.936	108.842	114.854	122.160	117.205
18	Exports of services ¹	114.594	121.500	122.514	123.891	125.645	127.485	127.850
19	Transport	94.500	101.933	103.482	104.723	109.525	115.486	116.361
20	Travel (for all purposes including education)	108.766	112.467	113.731	115.591	117.657	121.976	120.897
21	Charges for the use of intellectual property n.e.c.	111.975	116.540	117.248	119.189	121.300	123.856	125.274
22	Other business services ³	123.868	132.231	133.282	134.517	135.562	135.868	136.278
23	Government goods and services n.e.c.	111.754	116.951	117.690	118.830	120.915	122.107	122.445
24	Other	120.695	126.076	127.367	127.573	130.102	135.118	136.081
25	Imports of goods and services	88.010	94.481	95.510	96.977	100.107	103.266	102.222
26	Imports of goods ¹	83.963	90.511	91.512	92.989	96.410	99.594	98.191
27	Foods, feeds, and beverages	103.733	111.881	114.184	116.408	122.576	123.035	120.003
28	Industrial supplies and materials	65.003	88.860	91.513	96.075	105.704	118.476	111.642
29	Durable goods	102.821	130.063	130.710	129.864	142.419	144.931	134.474
30	Nondurable goods	52.355	75.379	78.770	85.534	94.287	111.686	106.132
31	Petroleum and products	38.637	63.281	65.852	72.976	82.093	103.182	95.696
32	Nondurable goods, excluding petroleum and products	88.392	110.094	115.513	121.995	130.860	142.126	140.208
33	Capital goods, except automotive	88.322	89.489	89.846	90.325	91.676	92.684	92.845
34	Civilian aircraft, engines, and parts	112.007	115.783	115.950	117.271	118.812	119.992	121.150
35	Computers, peripherals, and parts	86.188	87.303	88.212	88.511	89.083	89.444	88.792
36	Other	86.443	87.440	87.633	88.111	89.677	90.857	91.204
37	Automotive vehicles, engines, and parts	95.963	97.546	98.001	98.550	99.574	100.715	101.205
38	Consumer goods, except food and automotive	86.478	85.907	86.163	86.354	87.548	87.371	87.894
39	Durable goods	70.675	69.885	70.278	70.446	72.002	71.859	72.694
40	Nondurable goods	108.102	107.900	107.908	108.134	108.626	108.402	108.391
41	Other	105.825	110.961	111.817	112.657	115.647	117.043	116.509
42	Imports of services ¹	109.342	114.972	116.132	117.491	118.665	121.523	122.673
43	Transport	104.771	117.061	120.677	125.042	125.240	136.887	142.178
44	Travel (for all purposes including education)	97.198	96.552	96.060	94.911	96.398	95.118	93.706
45	Charges for the use of intellectual property n.e.c.	111.990	116.572	117.238	119.180	121.291	123.847	125.265
46	Other business services ³	116.008	120.802	121.546	122.639	123.847	124.919	125.679
47	Government goods and services n.e.c.	111.459	120.640	121.599	121.206	123.933	120.597	118.305
48	Other	122.362	126.990	129.486	129.571	131.188	134.838	134.758
	Addenda:							
49	Exports of durable goods	97.572	101.490	102.254	103.251	105.432	107.227	106.918
50	Exports of nondurable goods	75.239	97.071	100.974	103.542	112.865	125.187	115.984

Table 4.2.4. Price Indexes for Exports and Imports of Goods and Services by Type of Product

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
51	Exports of agricultural goods ⁴	83.580	103.956	106.297	106.567	113.946	121.280	117.877
52	Exports of nonagricultural goods	88.693	100.266	102.489	104.414	109.755	116.392	111.757
53	Imports of durable goods	88.030	91.422	91.865	92.167	94.685	95.544	94.915
54	Imports of nondurable goods	77.644	89.680	91.656	95.212	100.303	107.829	104.956
55	Imports of nonpetroleum goods	91.919	96.260	97.058	97.832	100.662	101.911	101.153

Legend / Footnotes:

n.e.c. Not elsewhere classified

1. Beginning in 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes net exports of goods under merchanting, beginning in 1999, reclassified from services to goods.

3. Includes maintenance and repair services, insurance services, financial services, telecommunication, computer and information services, personal, cultural, and recreational services, construction services, and other other business services.

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

Table 4.2.5. Exports and Imports of Goods and Services by Type of Product

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Exports of goods and services	2,148.6	2,539.6	2,553.3	2,733.0	2,811.2	3,038.8	3,060.0
2	Exports of goods ¹	1,420.0	1,741.5	1,751.6	1,878.2	1,940.9	2,134.7	2,135.0
3	Foods, feeds, and beverages	139.3	164.7	153.7	176.3	177.3	201.2	179.7
4	Industrial supplies and materials	450.6	616.8	633.7	684.4	736.7	872.3	854.1
5	Durable goods	123.1	159.5	161.8	163.3	168.8	175.1	166.2
6	Nondurable goods	327.5	457.3	471.9	521.1	567.9	697.1	687.8
7	Petroleum and products	138.4	207.1	212.3	248.6	283.3	361.7	347.4
8	Nondurable goods, excluding petroleum and products	189.1	250.2	259.6	272.5	284.6	335.4	340.4
9	Capital goods, except automotive	462.9	520.8	523.2	539.1	554.8	563.4	584.7
10	Civilian aircraft, engines, and parts	72.0	79.9	81.4	89.4	90.6	94.9	94.5
11	Computers, peripherals, and parts	41.2	46.7	47.1	48.4	48.7	47.8	51.5
12	Other	349.7	394.2	394.7	401.3	415.5	420.8	438.7
13	Automotive vehicles, engines, and parts	128.8	144.1	137.6	148.5	150.3	157.1	159.3
14	Consumer goods, except food and automotive	174.0	221.7	230.7	253.2	238.2	251.7	253.5
15	Durable goods	82.2	102.1	104.4	110.3	111.7	122.9	122.7
16	Nondurable goods	91.8	119.6	126.3	142.9	126.5	128.8	130.8
17	Other ²	64.4	73.4	72.6	76.5	83.6	88.9	103.8
18	Exports of services ¹	728.6	798.2	801.8	854.9	870.4	904.2	925.1
19	Transport	57.2	65.8	66.0	75.9	80.1	88.5	89.9
20	Travel (for all purposes including education)	72.5	70.2	69.6	95.4	101.9	131.8	139.2
21	Charges for the use of intellectual property n.e.c.	115.6	124.6	124.3	130.6	126.3	126.6	127.9
22	Other business services ³	459.2	511.3	515.9	525.6	527.3	531.9	542.7
23	Government goods and services n.e.c.	22.0	23.4	22.9	24.4	31.7	22.2	22.0
24	Other	2.2	2.9	3.0	3.0	3.0	3.2	3.3
25	Imports of goods and services	2,776.1	3,401.4	3,442.5	3,647.7	3,927.9	4,074.4	3,961.4
26	Imports of goods ¹	2,304.5	2,844.7	2,850.5	3,029.0	3,289.3	3,394.8	3,271.4
27	Foods, feeds, and beverages	155.4	183.3	188.7	193.8	208.3	218.8	207.5
28	Industrial supplies and materials	423.7	636.9	667.1	717.4	782.7	865.9	816.6
29	Durable goods	172.6	251.5	254.7	272.7	288.9	310.4	282.1
30	Nondurable goods	251.1	385.4	412.4	444.7	493.8	555.5	534.5
31	Petroleum and products	125.2	216.2	230.7	254.7	284.4	340.3	320.6
32	Nondurable goods, excluding petroleum and products	125.9	169.1	181.7	189.9	209.3	215.2	213.9
33	Capital goods, except automotive	647.2	764.8	769.3	797.3	860.0	866.2	883.4
34	Civilian aircraft, engines, and parts	44.9	41.5	40.7	37.8	45.9	45.2	46.0
35	Computers, peripherals, and parts	145.8	169.7	169.5	179.3	196.2	181.2	193.5
36	Other	456.5	553.6	559.1	580.2	617.9	639.9	644.0
37	Automotive vehicles, engines, and parts	309.9	347.9	335.1	345.9	379.3	397.7	411.6
38	Consumer goods, except food and automotive	639.9	767.1	746.8	808.8	912.6	907.7	821.5
39	Durable goods	308.7	404.6	392.9	425.7	489.5	473.0	427.0
40	Nondurable goods	331.2	362.6	353.9	383.1	423.1	434.7	394.5
41	Other	128.4	144.7	143.6	165.8	146.6	138.4	130.8
42	Imports of services ¹	471.6	556.7	592.0	618.7	638.6	679.6	690.0
43	Transport	72.8	105.3	114.4	125.6	142.7	163.9	158.7
44	Travel (for all purposes including education)	34.2	56.9	69.1	79.4	81.9	109.6	119.0
45	Charges for the use of intellectual property n.e.c.	47.7	43.3	47.9	43.9	57.5	43.4	44.0
46	Other business services ³	287.4	319.4	328.2	337.8	324.3	330.3	335.7
47	Government goods and services n.e.c.	24.6	25.1	25.3	25.1	25.3	25.5	25.5
48	Other	5.1	6.7	7.0	7.0	7.0	7.0	7.1
	Addenda:							
49	Exports of durable goods	828.8	962.7	962.8	999.2	1,026.8	1,062.5	1,084.4
50	Exports of nondurable goods	591.2	778.7	788.7	878.9	914.0	1,072.1	1,050.6

Table 4.2.5. Exports and Imports of Goods and Services by Type of Product

[Billions of dollars] Seasonally adjusted at annual rates

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
51	Exports of agricultural goods ⁴	151.1	178.1	167.5	188.8	193.4	219.4	196.1
52	Exports of nonagricultural goods	1,268.9	1,563.3	1,584.1	1,689.4	1,747.4	1,915.3	1,938.9
53	Imports of durable goods	1,502.5	1,841.1	1,823.8	1,924.5	2,090.9	2,116.6	2,069.5
54	Imports of nondurable goods	802.0	1,003.6	1,026.7	1,104.5	1,198.4	1,278.2	1,202.0
55	Imports of nonpetroleum goods	2,179.3	2,628.5	2,619.8	2,774.3	3,004.8	3,054.5	2,950.8

Legend / Footnotes:

n.e.c. Not elsewhere classified

1. Beginning in 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes net exports of goods under merchanting, beginning in 1999, reclassified from services to goods.

3. Includes maintenance and repair services, insurance services, financial services, telecommunication, computer and information services, personal, cultural, and recreational services, construction services, and other other business services.

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

Table 4.2.6. Real Exports and Imports of Goods and Services by Type of Product, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates
Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Exports of goods and services	2,231.7	2,366.8	2,338.8	2,465.7	2,436.9	2,516.9	2,603.2
2	Exports of goods ¹	1,609.7	1,728.9	1,701.5	1,793.5	1,760.2	1,824.9	1,898.6
3	Foods, feeds, and beverages	164.2	156.5	142.2	163.5	153.8	164.4	151.5
4	Industrial supplies and materials	616.3	627.9	615.2	640.5	625.1	659.2	707.9
5	Durable goods	131.7	146.8	145.7	144.2	143.3	145.4	144.8
6	Nondurable goods	491.7	484.9	473.1	501.0	486.3	518.3	567.1
7	Petroleum and products	293.9	276.7	263.3	292.0	273.8	288.2	320.2
8	Nondurable goods, excluding petroleum and products	219.2	224.1	223.5	227.5	228.2	246.4	265.3
9	Capital goods, except automotive	468.7	520.0	520.3	531.8	539.3	541.2	557.9
10	Civilian aircraft, engines, and parts	59.2	63.7	64.6	70.4	70.8	73.2	72.1
11	Computers, peripherals, and parts ²	54.8	61.7	61.5	62.5	61.3	58.9	64.6
12	Other	365.1	406.9	406.1	409.8	418.0	418.8	432.9
13	Automotive vehicles, engines, and parts	127.1	140.5	134.0	143.8	143.6	147.6	148.1
14	Consumer goods, except food and automotive	185.8	234.8	244.2	266.8	248.2	260.7	262.4
15	Durable goods	87.6	107.9	109.8	115.4	114.2	123.6	121.9
16	Nondurable goods	98.3	127.1	134.6	151.7	134.1	137.0	140.6
17	Other ³	71.0	70.2	67.8	70.2	72.7	72.7	88.4
18	Exports of services ¹	635.8	656.9	654.7	690.3	693.0	709.5	723.9
19	Transport	60.5	64.5	63.9	72.5	73.2	76.7	77.4
20	Travel (for all purposes including education)	66.6	62.4	61.5	82.8	86.9	108.4	115.5
21	Charges for the use of intellectual property n.e.c.	103.2	106.9	106.0	109.6	104.1	102.2	102.1
22	Other business services ⁴	370.7	386.7	387.1	390.8	389.0	391.5	398.3
23	Government goods and services n.e.c.	19.7	20.0	19.4	20.5	26.2	18.2	18.0
24	Other	1.8	2.3	2.4	2.4	2.3	2.4	2.5
25	Residual	-495.4	-479.3	-463.1	-494.7	-474.0	-503.7	-555.8
26	Imports of goods and services	3,154.3	3,600.2	3,606.3	3,763.3	3,925.6	3,947.5	3,877.2
27	Imports of goods ¹	2,744.6	3,143.0	3,115.9	3,258.2	3,412.7	3,409.5	3,332.5
28	Foods, feeds, and beverages	149.9	163.9	165.4	166.6	170.1	178.0	173.1
29	Industrial supplies and materials	651.8	716.7	730.3	748.0	741.7	732.1	732.7
30	Durable goods	167.8	193.4	194.8	209.9	202.8	214.1	209.7
31	Nondurable goods	479.6	511.2	524.6	520.7	524.5	498.1	504.4
32	Petroleum and products	324.0	341.7	350.6	348.8	346.2	329.5	334.7
33	Nondurable goods, excluding petroleum and products	142.5	153.6	157.6	156.0	160.3	151.7	152.9
34	Capital goods, except automotive	732.8	854.6	856.4	882.9	938.2	934.8	951.7
35	Civilian aircraft, engines, and parts	40.1	35.9	35.0	32.2	38.6	37.7	37.9
36	Computers, peripherals, and parts ²	169.2	194.3	192.2	202.6	220.2	202.6	217.9
37	Other	528.1	633.1	638.1	658.6	689.2	704.4	706.2
38	Automotive vehicles, engines, and parts	322.9	356.7	341.9	350.9	380.8	394.8	406.6
39	Consumer goods, except food and automotive	740.0	893.0	866.8	936.8	1,042.5	1,039.1	934.8
40	Durable goods	436.8	578.9	559.2	604.5	680.2	658.5	587.7
41	Nondurable goods	306.4	336.0	327.9	354.3	389.5	401.0	364.0
42	Other	121.3	130.5	128.6	147.5	127.0	118.5	112.5
43	Imports of services ¹	431.3	484.2	510.5	527.5	539.0	560.1	563.4
44	Transport	69.5	89.9	95.4	101.1	114.7	120.5	112.4
45	Travel (for all purposes including education)	35.1	58.9	71.6	83.1	84.5	114.5	126.2
46	Charges for the use of intellectual property n.e.c.	42.6	37.2	40.9	36.8	47.4	35.0	35.1
47	Other business services ⁴	247.7	264.4	270.1	275.6	261.9	264.5	267.2
48	Government goods and services n.e.c.	22.0	20.8	20.8	20.7	20.4	21.1	21.6
49	Other	4.2	5.2	5.4	5.4	5.4	5.3	5.3
50	Residual	24.3	5.8	10.6	8.6	-13.3	-4.3	6.3
	Addenda:							

Table 4.2.6. Real Exports and Imports of Goods and Services by Type of Product, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates
Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
51	Exports of durable goods	849.4	948.6	941.7	967.9	974.0	991.0	1,014.3
52	Exports of nondurable goods	785.8	802.2	781.7	849.3	810.3	856.9	906.3
53	Exports of agricultural goods ⁵	180.8	171.3	157.2	176.7	169.3	180.4	166.0
54	Exports of nonagricultural goods	1,430.7	1,559.2	1,546.2	1,618.2	1,592.3	1,645.8	1,735.1
55	Imports of durable goods	1,706.8	2,013.9	1,985.4	2,088.1	2,208.3	2,215.3	2,180.3
56	Imports of nondurable goods	1,032.9	1,119.1	1,121.5	1,161.4	1,196.2	1,186.8	1,146.6
57	Imports of nonpetroleum goods	2,370.9	2,730.7	2,699.9	2,836.4	2,985.8	2,997.9	2,917.9

Legend / Footnotes:

n.e.c. Not elsewhere classified

1. Beginning in 1986, repairs and alterations of equipment are reclassified from goods to services.
2. The quantity index for computers can be used to accurately measure the real growth of this component. However, because computers 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 4.2.2 and real growth rates are shown in table 4.2.1.
3. Includes net exports of goods under merchanting, beginning in 1999, reclassified from services to goods.
4. Includes maintenance and repair services, insurance services, financial services, telecommunication, computer and information services, personal, cultural, and recreational services, construction services, and other other business services.
5. Includes parts of foods, feeds, and beverages, of nondurable industrial supplies and materials, and of nondurable nonautomotive consumer goods.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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.

Table 4.3C. Relation of Foreign Transactions in the National Income and Product Accounts to the Corresponding Items in the International Transactions Accounts

[Billions of dollars]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Exports of goods, ITAs	1,432.2	1,761.4	1,767.6	1,894.1	1,951.6	2,159.5	---
2	Less: Gold, ITAs ¹	24.0	31.5	28.2	26.0	23.7	37.8	---
3	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
4	Plus: Adjustment for U.S. territories and Puerto Rico ³	11.8	11.6	12.2	10.1	13.0	13.0	---
5	Equals: Exports of goods, NIPAs	1,420.0	1,741.5	1,751.6	1,878.2	1,940.9	2,134.7	2,135.0
6	Exports of services, ITAs	726.4	795.3	798.8	851.8	867.3	901.0	---
7	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
8	Less: Other items ⁴	0.0	0.0	0.0	0.0	0.0	0.0	---
9	Plus: Adjustment for U.S. territories and Puerto Rico ³	2.2	2.9	3.0	3.0	3.0	3.2	---
10	Equals: Exports of services, NIPAs	728.6	798.2	801.8	854.9	870.4	904.2	925.1
11	Primary income receipts, ITAs	936.2	1,052.1	1,071.9	1,086.1	1,112.2	1,196.5	---
12	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
13	Plus: Adjustment for U.S. territories and Puerto Rico ³	35.1	34.9	34.9	34.9	34.8	34.8	---
14	Equals: Income receipts, NIPAs	971.3	1,087.0	1,106.8	1,120.9	1,147.1	1,231.3	---
15	Secondary income receipts, ITAs	165.2	171.4	170.9	172.7	169.0	174.4	---
16	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
17	Plus: Adjustment for U.S. territories and Puerto Rico ³	5.0	5.4	5.5	5.7	5.8	5.9	---
18	Equals: Current taxes, contributions for government social insurance, and transfer receipts from the rest of the world, NIPAs	170.2	176.8	176.4	178.4	174.9	180.4	177.2
19	Imports of goods, ITAs	2,346.1	2,851.7	2,857.9	3,034.2	3,318.3	3,401.6	---
20	Less: Gold, ITAs ¹	61.7	25.7	21.2	28.0	45.6	23.7	---
21	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
22	Plus: Gold, NIPAs ¹	-5.6	-4.7	-6.4	-4.8	-5.7	-2.8	---
23	Plus: Adjustment for U.S. territories and Puerto Rico ³	25.7	23.5	20.2	27.6	22.3	19.7	---
24	Equals: Imports of goods, NIPAs	2,304.5	2,844.7	2,850.5	3,029.0	3,289.3	3,394.8	3,271.4
25	Imports of services, ITAs	466.5	550.0	585.0	611.8	631.6	672.6	---
26	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
27	Plus: Adjustment for U.S. territories and Puerto Rico ³	5.1	6.7	7.0	7.0	7.0	7.0	---
28	Equals: Imports of services, NIPAs	471.6	556.7	592.0	618.7	638.6	679.6	690.0
29	Primary income payments, ITAs	773.1	912.6	937.6	938.1	957.0	1,021.9	---
30	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
31	Plus: Adjustment for U.S. territories and Puerto Rico ³	1.2	1.3	1.3	1.4	1.4	1.4	---
32	Equals: Income payments, NIPAs	774.3	913.9	939.0	939.5	958.4	1,023.3	---
33	Secondary income payments, ITAs	294.0	312.2	334.1	320.0	323.5	339.6	---
34	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
35	Plus: Adjustment for U.S. territories and Puerto Rico ³	38.1	37.4	36.0	32.7	32.9	33.6	---
36	Equals: Current taxes and transfer payments to the rest of the world, NIPAs	332.1	349.6	370.1	352.7	356.4	373.2	395.4
37	Balance on goods and services and primary income, ITAs (1+6+11-19-25-29)	-490.9	-705.6	-742.3	-752.0	-975.7	-839.2	---
38	Less: Gold (2+20+22)	-43.3	1.0	0.6	-6.7	-27.6	11.3	---
39	Less: Statistical differences (3+7+12-21-26-30)	0.0	0.0	0.0	0.0	0.0	0.0	---
40	Less: Other items (8)	0.0	0.0	0.0	0.0	0.0	0.0	---
41	Plus: Adjustment for U.S. territories and Puerto Rico (4+9+13-23-27-31)	17.1	18.0	21.6	12.1	20.2	22.8	---
42	Equals: Net exports of goods and services and net receipts of income, NIPAs (5+10+14-24-28-32)	-430.5	-688.6	-721.3	-733.2	-928.0	-827.6	-693.4
43	Balance on secondary income, ITAs (15-33)	-128.8	-140.8	-163.2	-147.3	-154.4	-165.2	---
44	Less: Statistical differences ² (16-34)	0.0	0.0	0.0	0.0	0.0	0.0	---
45	Plus: Adjustment for U.S. territories and Puerto Rico ³ (17-35)	-33.1	-32.0	-30.5	-27.1	-27.1	-27.7	---
46	Equals: Current taxes, contributions for government social insurance, and transfer receipts from the rest of the world, net, NIPAs (18-36)	-161.9	-172.8	-193.7	-174.4	-181.5	-192.9	-218.2
47	Balance on current account, ITAs (37+43)	-619.7	-846.4	-905.5	-899.4	-1,130.2	-1,004.4	---
48	Less: Gold (38)	-43.3	1.0	0.6	-6.7	-27.6	11.3	---
49	Less: Statistical differences (39+44)	0.0	0.0	0.0	0.0	0.0	0.0	---
50	Less: Other items (40)	0.0	0.0	0.0	0.0	0.0	0.0	---
51	Plus: Adjustment for U.S. territories and Puerto Rico (41+45)	-16.0	-14.0	-8.9	-15.0	-6.9	-14.9	-14.7

Table 4.3C. Relation of Foreign Transactions in the National Income and Product Accounts to the Corresponding Items in the International Transactions Accounts

[Billions of dollars]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Table 4.3C. Relation of Foreign Transactions in the National Income and Product Accounts to the Corresponding Items in the International Transactions Accounts

[Billions of dollars]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
52	Equals: Balance on current account, NIPAs (42+ 46)	-592.5	-861.4	-915.0	-907.6	-1,109.5	-1,020.5	---
53	Balance on capital account, ITAs	5.5	2.5	-12.0	7.4	7.6	15.2	---
54	Less: Statistical differences ²	0.0	0.0	0.0	0.0	0.0	0.0	---
55	Plus: Adjustments for U.S. territories and Puerto Rico ³	0.5	1.1	0.5	0.5	0.4	0.9	---
56	Equals: Capital account transactions (net), NIPAs ⁵	6.0	3.6	-11.5	7.8	8.0	16.1	---

Legend / Footnotes:

ITAs International transactions accounts

1. Exports and imports of gold in the NIPAs differ from those in the ITAs. ITA gold exports (line 2) and imports (line 20) are excluded from the NIPAs; imports of gold in the NIPAs (line 22) is the excess of the value of gold in gross domestic purchases over the value of U.S. production of gold.
2. Consists of statistical revisions to the ITAs that have not yet been incorporated into the NIPAs and statistical revisions to the NIPAs that have not yet been incorporated into the ITAs.
3. Consists of transactions between the United States and its territories, Puerto Rico, and the Northern Mariana Islands. The treatment of U.S. territories, Puerto Rico, and the Northern Mariana Islands in the NIPAs differs from that in the ITAs. In the NIPAs, they are included in the rest of the world; in the ITAs, they are treated as part of the United States.
4. The ITAs classified certain military grants as services that the NIPAs do not. In the NIPAs these transactions are excluded from exports and included in transfer payments from government.
5. Consists of capital transfers and the acquisition and disposal of nonproduced nonfinancial assets.

Table 5.1. Saving and Investment by Sector

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Gross saving	4,055.9	4,188.1	4,137.7	4,538.6	4,667.8	4,751.4	---
2	Net saving	478.1	356.5	262.1	553.7	554.2	509.3	---
3	Net private saving	3,422.2	2,966.9	2,431.7	2,042.8	1,415.9	1,411.2	---
4	Domestic business	429.9	723.6	762.6	705.7	631.0	782.2	---
5	Undistributed corporate profits	569.6	1,090.6	1,133.3	1,030.6	1,089.8	1,302.7	---
6	Inventory valuation adjustment, corporate	-26.4	-256.9	-262.4	-189.4	-246.9	-269.1	---
7	Capital consumption adjustment, corporate	-113.4	-110.1	-108.3	-135.5	-212.0	-251.4	-289.4
8	Households and institutions	2,992.3	2,243.4	1,669.1	1,337.1	784.9	629.0	626.1
9	Personal saving	2,992.3	2,243.4	1,669.1	1,337.1	784.9	629.0	626.1
10	Net government saving	-2,944.1	-2,610.5	-2,169.7	-1,489.1	-861.6	-901.8	---
11	Federal	-2,957.4	-2,835.3	-2,314.4	-1,524.0	-929.0	-864.0	---
12	State and local	13.3	224.9	144.7	34.9	67.4	-37.9	---
13	Consumption of fixed capital	3,577.8	3,831.6	3,875.7	3,984.9	4,113.6	4,242.1	4,360.1
14	Private	2,971.8	3,184.5	3,222.5	3,315.2	3,422.4	3,530.9	3,634.2
15	Domestic business	2,340.9	2,480.0	2,504.6	2,576.6	2,652.2	2,736.3	2,818.7
16	Households and institutions	630.9	704.5	717.9	738.6	770.2	794.6	815.5
17	Government	605.9	647.1	653.2	669.7	691.2	711.2	725.9
18	Federal	304.7	322.7	325.1	331.2	338.3	345.6	351.1
19	State and local	301.2	324.4	328.0	338.5	352.9	365.5	374.9
20	Gross domestic investment, capital account transactions, and net lending, NIPAs	3,841.0	4,059.1	4,004.2	4,414.4	4,390.8	4,428.3	---
21	Gross domestic investment	4,433.4	4,920.5	4,919.2	5,322.0	5,500.3	5,448.8	5,447.1
22	Gross private domestic investment	3,642.9	4,113.5	4,109.1	4,499.2	4,671.0	4,609.9	4,590.2
23	Domestic business	2,687.2	2,967.1	2,961.6	3,302.6	3,435.2	3,405.5	3,439.8
24	Households and institutions	955.7	1,146.4	1,147.5	1,196.6	1,235.8	1,204.4	1,150.5
25	Gross government investment	790.5	807.0	810.1	822.9	829.3	838.9	856.9
26	Federal	351.0	362.4	365.0	369.1	369.6	374.4	378.4
27	State and local	439.6	444.6	445.1	453.8	459.7	464.5	478.5
28	Capital account transactions (net) ¹	6.0	3.6	-11.5	7.8	8.0	16.1	---
29	Private	2.7	-42.3	9.1	11.6	336.3	133.1	---
30	Domestic business	13.7	14.1	47.4	-3.1	321.5	118.4	---
31	Households and institutions	-11.0	-56.4	-38.4	14.6	14.8	14.8	---
32	Government	3.3	45.9	-20.6	-3.8	-328.3	-117.0	-48.3
33	Federal	70.4	112.0	51.9	58.9	-266.1	412.6	82.5
34	State and local	-67.1	-66.1	-72.5	-62.7	-62.2	-529.6	-130.9
35	Net lending or net borrowing (-), NIPAs	-598.5	-865.0	-903.5	-915.5	-1,117.5	-1,036.7	---
36	Private	2,533.5	1,951.3	1,402.5	723.0	-446.0	-124.1	---
37	Domestic business	-145.0	93.4	124.6	-141.4	-750.6	-328.5	---
38	Households and institutions	2,678.5	1,857.9	1,277.9	864.4	304.5	204.4	---
39	Government	-3,131.9	-2,816.3	-2,306.0	-1,638.5	-671.5	-912.6	---
40	Federal	-3,074.0	-2,987.1	-2,406.2	-1,620.9	-694.3	-1,305.3	---
41	State and local	-57.9	170.8	100.2	-17.6	22.8	392.7	---
42	Statistical discrepancy	-214.9	-128.9	-133.5	-124.2	-277.0	-323.1	---
	Addenda:							
43	Gross private saving	6,394.0	6,151.4	5,654.2	5,358.0	4,838.3	4,942.1	---
44	Domestic business	2,770.8	3,203.6	3,267.2	3,282.3	3,283.2	3,518.5	---
45	Households and institutions	3,623.2	2,947.9	2,387.0	2,075.7	1,555.1	1,423.6	1,441.6
46	Gross government saving	-2,338.1	-1,963.4	-1,516.5	-819.4	-170.5	-190.7	---
47	Federal	-2,652.6	-2,512.7	-1,989.2	-1,192.8	-590.8	-518.3	---
48	State and local	314.5	549.3	472.8	373.4	420.3	327.7	---
49	Net domestic investment	855.7	1,088.9	1,043.5	1,337.2	1,386.7	1,206.7	1,087.0
50	Private	671.1	929.0	886.6	1,184.0	1,248.6	1,079.0	956.0

Table 5.1. Saving and Investment by Sector

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
51	Domestic business	346.3	487.1	457.1	726.0	783.0	669.2	621.1
52	Households and institutions	324.8	441.9	429.6	458.1	465.6	409.8	334.9
53	Government	184.6	159.9	156.9	153.2	138.1	127.7	130.9
54	Federal	46.2	39.7	39.9	37.9	31.3	28.8	27.3
55	State and local	138.4	120.2	117.0	115.2	106.8	98.9	103.6
56	Gross saving as a percentage of gross national income	18.9	17.7	17.3	18.4	18.5	18.4	---
57	Net saving as a percentage of gross national income	2.2	1.5	1.1	2.2	2.2	2.0	---
58	Disaster losses ²	0.0	62.0	248.0	0.0	0.0	0.0	240.0
59	Private	0.0	58.0	232.0	0.0	0.0	0.0	228.0
60	Domestic business	0.0	38.5	154.0	0.0	0.0	0.0	72.0
61	Households and institutions	0.0	19.5	78.0	0.0	0.0	0.0	156.0
62	Government	0.0	4.0	16.0	0.0	0.0	0.0	12.0
63	Federal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	State and local	0.0	4.0	16.0	0.0	0.0	0.0	12.0

Legend / Footnotes:

1. Consists of capital transfers and the acquisition and disposal of nonproduced nonfinancial assets. Prior to 1982, reflects only capital grants paid to the U.S. territories and the Commonwealths of Puerto Rico and Northern Mariana Islands.

2. Consists of damages to fixed assets.

Table 5.3.1. Percent Change From Preceding Period in Real Private Fixed Investment by Type

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Private fixed investment	-2.3	7.4	-1.1	0.6	4.8	-5.0	-4.9
2	Nonresidential	-4.9	6.4	0.6	1.1	7.9	0.1	3.7
3	Structures	-10.1	-6.4	-6.7	-12.7	-4.3	-12.7	-15.3
4	Commercial and health care	3.2	-7.6	-10.6	-19.3	-13.2	-12.7	-20.1
5	Manufacturing	-9.5	-0.7	7.2	0.8	7.9	-11.8	-24.9
6	Power and communication	-1.7	-8.4	-11.8	-27.3	-16.7	-29.7	-12.4
7	Mining exploration, shafts, and wells ¹	-38.4	14.0	16.0	10.6	32.3	3.0	-8.8
8	Other structures ²	-12.9	-17.8	-17.7	-4.6	-4.5	-4.2	-4.7
9	Equipment	-10.5	10.3	-2.2	1.6	11.4	-2.0	10.8
10	Information processing equipment	1.3	9.8	-3.7	20.2	17.0	-6.3	10.0
11	Computers and peripheral equipment	11.6	7.7	1.1	13.1	22.0	-22.2	59.5
12	Other ³	-3.2	10.8	-5.9	23.8	14.7	2.3	-8.5
13	Industrial equipment	-8.2	11.9	10.3	11.1	12.6	-6.1	-12.7
14	Transportation equipment	-30.6	15.7	-13.5	-32.0	-3.5	11.6	92.1
15	Other equipment ⁴	-7.0	5.5	-1.7	-2.5	13.1	-0.1	-8.6
16	Intellectual property products	4.8	9.7	7.4	8.1	10.8	8.9	6.9
17	Software ⁵	8.7	12.8	8.5	4.8	18.9	10.2	8.0
18	Research and development ⁶	3.4	8.7	5.2	8.9	5.5	5.7	4.4
19	Entertainment, literary, and artistic originals	-5.6	-0.1	16.5	21.6	5.5	24.3	17.9
20	Residential	7.2	10.7	-5.8	-1.1	-3.1	-17.8	-26.4
21	Structures	7.2	10.7	-5.7	-0.9	-3.2	-18.1	-26.9
22	Permanent site	7.1	19.4	-2.3	-9.9	3.5	-9.0	-32.3
23	Single family	6.2	22.4	-1.5	-10.1	5.3	-9.5	-36.3
24	Multifamily	10.6	6.9	-6.0	-9.1	-5.5	-5.8	-5.5
25	Other structures ⁷	7.3	4.0	-8.7	7.8	-8.8	-25.7	-21.5
26	Equipment	7.1	9.1	-13.6	-9.8	1.7	-0.7	17.9
	Addenda:							
27	Private fixed investment in structures	-0.7	3.8	-6.0	-5.2	-3.6	-16.2	-22.9
28	Private fixed investment in new structures	-2.0	3.4	-6.2	-8.6	-1.5	-12.0	-20.4
29	Nonresidential structures ⁸	-10.3	-6.4	-6.6	-13.1	-4.5	-13.1	-15.7
30	Residential structures ⁹	6.5	11.5	-6.1	-5.5	0.5	-11.3	-23.3
31	Private fixed investment in information processing equipment and software	5.2	11.4	2.9	11.5	18.0	2.4	8.9

Legend / Footnotes:

1. Includes petroleum and mineral exploration.

2. Consists primarily of religious, educational, vocational, lodging, railroads, farm, and amusement and recreational structures, net purchases of used structures, and brokers' commissions on the sale of structures.

3. Includes communication equipment, nonmedical instruments, medical equipment and instruments, photocopy and related equipment, and office and accounting equipment.

4. Consists primarily of furniture and fixtures, agricultural machinery, construction machinery, mining and oilfield machinery, service industry machinery, and electrical equipment not elsewhere classified.

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

6. Includes research and development expenditures for software.

7. Consists primarily of manufactured homes, improvements, dormitories, net purchases of used structures, and brokers' commissions on the sale of residential structures and adjoining land, and other ownership transfer costs.

8. Excludes net purchases of used structures and brokers' commissions on the sale of structures.

9. Excludes net purchases of used structures and brokers' commissions and other ownership transfer costs.

Table 5.3.2. Contributions to Percent Change in Real Private Fixed Investment by Type

Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Percent change at annual rate:							
1	Private fixed investment	-2.3	7.4	-1.1	0.6	4.8	-5.0	-4.9
	Percentage points at annual rates:							
2	Nonresidential	-3.85	4.75	0.53	0.86	5.65	0.11	2.78
3	Structures	-1.83	-1.07	-1.04	-1.97	-0.62	-1.91	-2.33
4	Commercial and health care	0.18	-0.44	-0.57	-1.08	-0.71	-0.67	-1.10
5	Manufacturing	-0.20	-0.01	0.13	0.01	0.15	-0.25	-0.57
6	Power and communication	-0.06	-0.31	-0.40	-0.98	-0.53	-0.95	-0.34
7	Mining exploration, shafts, and wells ¹	-1.28	0.27	0.28	0.19	0.57	0.06	-0.20
8	Other structures ²	-0.46	-0.57	-0.48	-0.11	-0.11	-0.10	-0.11
9	Equipment	-3.36	2.96	-0.55	0.50	3.16	-0.56	3.04
10	Information processing equipment	0.13	1.01	-0.38	1.88	1.66	-0.67	1.00
11	Computers and peripheral equipment	0.36	0.26	0.04	0.41	0.69	-0.83	1.60
12	Other ³	-0.23	0.74	-0.42	1.47	0.97	0.16	-0.61
13	Industrial equipment	-0.56	0.76	0.66	0.73	0.85	-0.44	-0.95
14	Transportation equipment	-2.45	0.83	-0.72	-1.95	-0.16	0.55	3.59
15	Other equipment ⁴	-0.49	0.36	-0.11	-0.16	0.81	0.00	-0.59
16	Intellectual property products	1.33	2.86	2.12	2.33	3.11	2.58	2.06
17	Software ⁵	0.99	1.55	1.02	0.58	2.16	1.21	0.97
18	Research and development ⁶	0.48	1.31	0.77	1.30	0.82	0.85	0.68
19	Entertainment, literary, and artistic originals	-0.14	0.00	0.33	0.44	0.12	0.51	0.41
20	Residential	1.58	2.69	-1.61	-0.29	-0.84	-5.16	-7.71
21	Structures	1.56	2.66	-1.55	-0.25	-0.84	-5.16	-7.78
22	Permanent site	0.67	2.09	-0.29	-1.30	0.44	-1.17	-4.68
23	Single family	0.47	1.95	-0.16	-1.11	0.55	-1.05	-4.57
24	Multifamily	0.20	0.14	-0.13	-0.19	-0.11	-0.11	-0.11
25	Other structures ⁷	0.89	0.57	-1.26	1.05	-1.28	-3.99	-3.10
26	Equipment	0.03	0.04	-0.06	-0.04	0.01	0.00	0.07
	Addenda:							
27	Private fixed investment in structures	-0.27	1.59	-2.59	-2.22	-1.47	-7.06	-10.11
28	Private fixed investment in new structures	-0.70	1.21	-2.30	-3.16	-0.52	-4.39	-7.69
29	Nonresidential structures ⁸	-1.80	-1.03	-0.99	-1.97	-0.63	-1.90	-2.31
30	Residential structures ⁹	1.10	2.24	-1.31	-1.18	0.11	-2.48	-5.38
31	Private fixed investment in information processing equipment and software	1.12	2.56	0.64	2.47	3.83	0.54	1.96

Legend / Footnotes:

1. Includes petroleum and mineral exploration.

2. Consists primarily of religious, educational, vocational, lodging, railroads, farm, and amusement and recreational structures, net purchases of used structures, and brokers' commissions on the sale of structures.

3. Includes communication equipment, nonmedical instruments, medical equipment and instruments, photocopy and related equipment, and office and accounting equipment.

4. Consists primarily of furniture and fixtures, agricultural machinery, construction machinery, mining and oilfield machinery, service industry machinery, and electrical equipment not elsewhere classified.

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

6. Includes research and development expenditures for software.

7. Consists primarily of manufactured homes, improvements, dormitories, net purchases of used structures, and brokers' commissions on the sale of residential structures and adjoining land, and other ownership transfer costs.

8. Excludes net purchases of used structures and brokers' commissions on the sale of structures.

9. Excludes net purchases of used structures and brokers' commissions and other ownership transfer costs.

Table 5.3.3. Real Private Fixed Investment by Type, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Private fixed investment	130.437	140.152	140.407	140.606	142.269	140.439	138.672
2	Nonresidential	125.842	133.837	134.629	135.009	137.598	137.620	138.887
3	Structures	106.451	99.602	99.400	96.089	95.031	91.848	88.105
4	Commercial and health care	167.601	154.922	153.791	145.779	140.722	136.012	128.602
5	Manufacturing	122.325	121.438	122.765	122.997	125.361	121.490	113.105
6	Power and communication	110.334	101.086	100.816	93.104	88.937	81.433	78.772
7	Mining exploration, shafts, and wells ¹	50.238	57.275	59.482	60.993	65.419	65.912	64.416
8	Other structures ²	120.837	99.356	95.925	94.806	93.709	92.701	91.589
9	Equipment	112.598	124.245	124.782	125.277	128.701	128.040	131.352
10	Information processing equipment	148.642	163.137	160.515	168.068	174.814	171.974	176.135
11	Computers and peripheral equipment ³	136.949	147.436	144.404	148.931	156.536	147.022	165.233
12	Other ⁴	153.123	169.655	167.287	176.449	182.598	183.659	179.621
13	Industrial equipment	106.194	118.828	121.296	124.518	128.266	126.276	122.046
14	Transportation equipment	89.406	103.456	106.482	96.706	95.843	98.515	115.987
15	Other equipment ⁵	99.231	104.656	104.569	103.920	107.165	107.140	104.757
16	Intellectual property products	160.323	175.850	177.821	181.299	186.008	190.019	193.225
17	Software ⁶	187.105	211.069	214.207	216.739	226.328	231.912	236.405
18	Research and development ⁷	150.239	163.309	164.683	168.215	170.462	172.835	174.726
19	Entertainment, literary, and artistic originals	114.139	114.072	115.231	121.009	122.629	129.489	134.929
20	Residential	150.421	166.518	164.861	164.420	163.129	155.308	143.862
21	Structures	150.257	166.374	164.715	164.332	163.012	155.083	143.382
22	Permanent site	176.542	210.831	213.149	207.666	209.481	204.621	185.628
23	Single family	166.408	203.723	206.397	201.000	203.614	198.587	177.394
24	Multifamily	236.671	253.021	253.113	247.138	243.685	240.068	236.685
25	Other structures ⁸	135.017	140.483	136.503	139.090	135.937	126.203	118.777
26	Equipment	161.381	176.079	174.537	170.117	170.817	170.529	177.710
	Addenda:							
27	Private fixed investment in structures	127.755	132.651	131.721	129.978	128.798	123.215	115.442
28	Private fixed investment in new structures	129.211	133.611	133.187	130.228	129.721	125.632	118.679
29	Nonresidential structures ⁹	105.959	99.177	99.020	95.600	94.501	91.233	87.418
30	Residential structures ¹⁰	161.508	180.156	179.357	176.838	177.043	171.818	160.775
31	Private fixed investment in information processing equipment and software	167.048	186.097	186.250	191.388	199.494	200.659	204.982

Legend / Footnotes:

1. Includes petroleum and mineral exploration.

2. Consists primarily of religious, educational, vocational, lodging, railroads, farm, and amusement and recreational structures, net purchases of used structures, and brokers' commissions on the sale of structures.

3. Annual chain-type quantity indexes for computers and peripheral equipment: 1959, .0000041; 1960, .000051; 1961, .000093; 1962, .00017; 1963, .00056. Quarterly chain-type quantity indexes for computers and peripheral equipment: 1959:1, .0000006; 1959:2, .0000003; 1959:3, .0000033; 1959:4, .0000123; 1960:1, .000035; 1960:2, .000040; 1960:3, .000054; 1960:4, .000073; 1961:1, .000073; 1961:2, .000077; 1961:3, .000110; 1961:4, .000111; 1962:1, .00013; 1962:2, .00013; 1962:3, .00018; 1962:4, .00027; 1963:1, .00040; 1963:2, .00053; 1963:3, .00063; 1963:4, .00069.

4. Includes communication equipment, nonmedical instruments, medical equipment and instruments, photocopy and related equipment, and office and accounting equipment.

5. Consists primarily of furniture and fixtures, agricultural machinery, construction machinery, mining and oilfield machinery, service industry machinery, and electrical equipment not elsewhere classified.

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

7. Includes research and development expenditures for software.

Table 5.3.3. Real Private Fixed Investment by Type, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

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8. *Consists primarily of manufactured homes, improvements, dormitories, net purchases of used structures, and brokers' commissions on the sale of residential structures.*
9. *Excludes net purchases of used structures and brokers' commissions on the sale of structures.*
10. *Excludes net purchases of used structures and brokers' commissions and other ownership transfer costs.*

Table 5.3.4. Price Indexes for Private Fixed Investment by Type

[Index numbers, 2012=100] Seasonally adjusted

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Private fixed investment	111.179	115.608	116.290	118.771	121.640	124.647	126.956
2	Nonresidential	104.948	106.688	106.818	108.811	110.646	112.932	114.964
3	Structures	120.380	125.276	125.729	132.340	137.535	143.194	149.840
4	Commercial and health care	123.115	131.275	131.303	142.175	149.717	157.073	166.378
5	Manufacturing	126.843	133.546	133.303	143.799	149.974	159.116	170.540
6	Power and communication	118.953	126.536	128.355	132.625	136.950	141.289	144.626
7	Mining exploration, shafts, and wells ¹	97.799	89.075	88.420	89.476	91.758	94.574	98.844
8	Other structures ²	132.879	139.974	141.269	145.407	149.362	153.565	157.425
9	Equipment	97.340	97.726	97.577	99.125	100.963	103.211	104.663
10	Information processing equipment	79.066	78.967	79.064	79.266	80.166	80.490	80.624
11	Computers and peripheral equipment	90.943	92.021	92.592	93.048	94.536	95.532	95.324
12	Other ³	74.668	74.098	74.008	74.111	74.785	74.856	75.125
13	Industrial equipment	105.654	110.479	111.586	113.572	116.667	119.605	120.903
14	Transportation equipment	107.628	100.817	97.786	100.184	100.956	105.520	108.033
15	Other equipment ⁴	109.145	112.419	113.119	116.279	119.629	123.378	126.955
16	Intellectual property products	105.183	106.913	107.156	107.721	108.238	109.282	110.261
17	Software ⁵	90.550	89.235	89.288	89.284	88.531	88.586	88.664
18	Research and development ⁶	118.235	123.034	123.392	124.507	126.216	128.097	130.039
19	Entertainment, literary, and artistic originals	109.834	113.069	113.908	114.916	116.909	119.633	120.952
20	Residential	138.622	153.963	156.862	161.384	168.513	174.587	178.088
21	Structures	139.964	155.504	158.445	163.041	170.258	176.473	180.140
22	Permanent site	141.800	156.183	158.831	164.350	171.049	178.290	182.406
23	Single family	140.834	157.604	160.776	167.016	174.612	182.710	187.157
24	Multifamily	145.367	149.162	149.486	151.668	154.038	157.120	159.691
25	Other structures ⁷	138.599	155.088	158.294	162.088	169.767	175.052	178.312
26	Equipment	84.895	92.390	93.640	95.312	98.965	99.617	97.244
	Addenda:							
27	Private fixed investment in structures	130.393	141.302	143.202	148.530	154.843	160.748	165.562
28	Private fixed investment in new structures	126.818	136.835	138.430	144.182	150.392	156.841	161.535
29	Nonresidential structures ⁸	120.163	125.024	125.432	132.201	137.494	143.348	150.188
30	Residential structures ⁹	134.520	149.204	151.798	156.869	163.941	171.003	174.117
31	Private fixed investment in information processing equipment and software	84.364	83.649	83.720	83.814	83.862	84.045	84.149

Legend / Footnotes:

1. Includes petroleum and mineral exploration.

2. Consists primarily of religious, educational, vocational, lodging, railroads, farm, and amusement and recreational structures, net purchases of used structures, and brokers' commissions on the sale of structures.

3. Includes communication equipment, nonmedical instruments, medical equipment and instruments, photocopy and related equipment, and office and accounting equipment.

4. Consists primarily of furniture and fixtures, agricultural machinery, construction machinery, mining and oilfield machinery, service industry machinery, and electrical equipment not elsewhere classified.

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

6. Includes research and development expenditures for software.

7. Consists primarily of manufactured homes, improvements, dormitories, net purchases of used structures, and brokers' commissions on the sale of residential structures and adjoining land, and other ownership transfer costs.

8. Excludes net purchases of used structures and brokers' commissions on the sale of structures.

9. Excludes net purchases of used structures and brokers' commissions and other ownership transfer costs.

Table 5.3.5. Private Fixed Investment by Type

[Billions of dollars] Seasonally adjusted at annual rates

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Private fixed investment	3,698.7	4,132.6	4,164.3	4,259.2	4,413.6	4,464.6	4,490.1
2	Nonresidential	2,797.9	3,025.0	3,046.3	3,111.8	3,225.0	3,292.2	3,382.3
3	Structures	614.4	598.2	599.7	610.3	627.3	631.2	633.6
4	Commercial and health care	214.1	211.0	210.0	215.6	219.2	222.2	222.6
5	Manufacturing	72.6	75.9	76.5	82.7	87.9	90.4	90.2
6	Power and communication	134.3	130.9	132.7	126.6	124.9	118.0	116.8
7	Mining exploration, shafts, and wells ¹	75.1	78.0	80.6	83.7	92.1	95.6	97.7
8	Other structures ²	118.2	102.4	99.9	101.6	103.2	104.9	106.3
9	Equipment	1,077.8	1,194.0	1,197.3	1,221.2	1,277.8	1,299.5	1,351.9
10	Information processing equipment	389.3	426.7	420.3	441.3	464.2	458.5	470.3
11	Computers and peripheral equipment	128.9	140.5	138.4	143.5	153.2	145.4	163.1
12	Other ³	260.3	286.2	281.9	297.8	310.9	313.0	307.3
13	Industrial equipment	237.0	277.3	285.6	298.4	315.8	318.7	311.4
14	Transportation equipment	207.2	224.5	224.4	208.8	208.5	224.0	270.0
15	Other equipment ⁴	244.4	265.5	267.0	272.7	289.3	298.3	300.2
16	Intellectual property products	1,105.7	1,232.7	1,249.2	1,280.4	1,319.9	1,361.4	1,396.8
17	Software ⁵	460.9	512.4	520.3	526.5	545.1	558.9	570.2
18	Research and development ⁶	556.8	629.8	636.8	656.4	674.3	693.9	712.1
19	Entertainment, literary, and artistic originals	88.0	90.5	92.1	97.5	100.6	108.7	114.5
20	Residential	900.8	1,107.6	1,118.0	1,147.3	1,188.6	1,172.4	1,107.8
21	Structures	886.4	1,090.4	1,100.7	1,130.2	1,170.8	1,154.5	1,089.6
22	Permanent site	386.8	508.8	523.2	527.6	553.9	563.9	523.4
23	Single family	309.4	423.9	438.1	443.2	469.4	479.0	438.3
24	Multifamily	77.4	85.0	85.2	84.4	84.5	84.9	85.1
25	Other structures ⁷	499.6	581.6	577.5	602.7	616.9	590.6	566.2
26	Equipment	14.4	17.1	17.2	17.1	17.8	17.9	18.2
	Addenda:							
27	Private fixed investment in structures	1,500.8	1,688.7	1,700.5	1,740.5	1,798.1	1,785.7	1,723.2
28	Private fixed investment in new structures	1,286.7	1,435.6	1,448.7	1,475.5	1,533.1	1,548.4	1,506.5
29	Nonresidential structures ⁸	593.6	578.1	579.6	589.9	606.4	610.4	612.8
30	Residential structures ⁹	693.1	857.5	869.1	885.6	926.6	938.0	893.7
31	Private fixed investment in information processing equipment and software	850.2	939.1	940.7	967.7	1,009.3	1,017.4	1,040.6

Legend / Footnotes:

1. Includes petroleum and mineral exploration.

2. Consists primarily of religious, educational, vocational, lodging, railroads, farm, and amusement and recreational structures, net purchases of used structures, and brokers' commissions on the sale of structures.

3. Includes communication equipment, nonmedical instruments, medical equipment and instruments, photocopy and related equipment, and office and accounting equipment.

4. Consists primarily of furniture and fixtures, agricultural machinery, construction machinery, mining and oilfield machinery, service industry machinery, and electrical equipment not elsewhere classified.

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

6. Includes research and development expenditures for software.

7. Consists primarily of manufactured homes, improvements, dormitories, net purchases of used structures, and brokers' commissions on the sale of residential structures and adjoining land, and other ownership transfer costs.

8. Excludes net purchases of used structures and brokers' commissions on the sale of structures.

9. Excludes net purchases of used structures and brokers' commissions and other ownership transfer costs.

Table 5.3.6. Real Private Fixed Investment by Type, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Private fixed investment	3,326.8	3,574.6	3,581.1	3,586.2	3,628.6	3,581.9	3,536.9
2	Nonresidential	2,666.0	2,835.4	2,852.2	2,860.2	2,915.0	2,915.5	2,942.4
3	Structures	510.4	477.5	476.6	460.7	455.6	440.4	422.4
4	Commercial and health care	173.9	160.8	159.6	151.3	146.0	141.1	133.5
5	Manufacturing	57.2	56.8	57.4	57.5	58.6	56.8	52.9
6	Power and communication	112.9	103.5	103.2	95.3	91.0	83.4	80.6
7	Mining exploration, shafts, and wells ¹	76.8	87.6	91.0	93.3	100.0	100.8	98.5
8	Other structures ²	89.0	73.2	70.6	69.8	69.0	68.3	67.4
9	Equipment	1,107.3	1,221.8	1,227.1	1,232.0	1,265.7	1,259.1	1,291.7
10	Information processing equipment	492.4	540.4	531.7	556.7	579.0	569.6	583.4
11	Computers and peripheral equipment ³	141.8	152.6	149.5	154.2	162.1	152.2	171.1
12	Other ⁴	348.7	386.3	380.9	401.8	415.8	418.2	409.0
13	Industrial equipment	224.3	251.0	256.2	263.0	270.9	266.7	257.8
14	Transportation equipment	192.5	222.7	229.2	208.2	206.3	212.1	249.7
15	Other equipment ⁵	223.9	236.2	236.0	234.5	241.8	241.8	236.4
16	Intellectual property products	1,051.2	1,153.0	1,166.0	1,188.8	1,219.6	1,245.9	1,267.0
17	Software ⁶	509.0	574.2	582.8	589.7	615.7	630.9	643.2
18	Research and development ⁷	470.9	511.9	516.2	527.3	534.3	541.7	547.7
19	Entertainment, literary, and artistic originals	80.1	80.1	80.9	84.9	86.1	90.9	94.7
20	Residential	649.8	719.4	712.2	710.3	704.7	671.0	621.5
21	Structures	633.3	701.2	694.2	692.6	687.1	653.6	604.3
22	Permanent site	272.8	325.8	329.4	320.9	323.7	316.2	286.8
23	Single family	219.7	268.9	272.5	265.4	268.8	262.2	234.2
24	Multifamily	53.3	57.0	57.0	55.6	54.9	54.0	53.3
25	Other structures ⁸	360.4	375.0	364.4	371.3	362.9	336.9	317.1
26	Equipment	17.0	18.6	18.4	17.9	18.0	18.0	18.7
27	Residual	-24.6	-41.6	-44.6	-54.7	-73.7	-94.0	-128.8
	Addenda:							
28	Private fixed investment in structures	1,151.0	1,195.1	1,186.7	1,171.0	1,160.4	1,110.1	1,040.0
29	Private fixed investment in new structures	1,014.6	1,049.1	1,045.8	1,022.6	1,018.6	986.5	931.9
30	Nonresidential structures ⁹	494.0	462.4	461.6	445.7	440.6	425.3	407.5
31	Residential structures ¹⁰	515.2	574.7	572.2	564.2	564.8	548.1	512.9
32	Private fixed investment in information processing equipment and software	1,007.8	1,122.7	1,123.6	1,154.6	1,203.5	1,210.6	1,236.7

Legend / Footnotes:

1. Includes petroleum and mineral exploration.

2. Consists primarily of religious, educational, vocational, lodging, railroads, farm, and amusement and recreational structures, net purchases of used structures, and brokers' commissions on the sale of structures.

3. The quantity index for computers can be used to accurately measure the real growth rate of this component. However, because computers 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 5.3.2 and real growth rates are shown in table 5.3.1.

4. Includes communication equipment, nonmedical instruments, medical equipment and instruments, photocopy and related equipment, and office and accounting equipment.

5. Consists primarily of furniture and fixtures, agricultural machinery, construction machinery, mining and oilfield machinery, service industry machinery, and electrical equipment not elsewhere classified.

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

7. Includes research and development expenditures for software.

8. Consists primarily of manufactured homes, improvements, dormitories, net purchases of used structures, and brokers' commissions on the sale of residential structures.

9. Excludes net purchases of used structures and brokers' commissions on the sale of structures.

10. Excludes net purchases of used structures and brokers' commissions and other ownership transfer costs.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 5.7.5B. Change in Private Inventories by Industry

[Billions of dollars] Seasonally adjusted at annual rates

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Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Change in private inventories	-55.8	-19.1	-55.2	240.0	257.4	145.4	100.2
2	Farm	-6.5	-3.0	-2.0	-4.9	-6.6	-9.5	-12.1
3	Mining, utilities, and construction	0.8	-10.8	-17.7	-3.7	-16.7	-7.3	-2.4
4	Manufacturing	-21.3	-50.8	-46.2	-29.0	3.4	1.8	0.1
5	Durable goods industries	-10.3	-32.4	-26.6	-15.9	1.6	16.5	25.0
6	Nondurable goods industries	-11.0	-18.4	-19.7	-13.1	1.7	-14.7	-24.9
7	Wholesale trade	-27.7	29.4	11.7	136.8	128.6	101.1	84.1
8	Durable goods industries	-28.5	36.2	21.0	100.1	79.4	97.2	75.3
9	Nondurable goods industries	0.8	-6.8	-9.2	36.6	49.2	4.0	8.8
10	Retail trade	-8.2	-12.8	-36.6	101.2	112.0	59.0	30.4
11	Motor vehicle and parts dealers	-16.6	-48.8	-50.3	16.5	11.6	1.7	26.8
12	Food and beverage stores	1.1	-0.4	0.1	-2.1	10.6	3.7	2.1
13	General merchandise stores	0.7	11.4	11.8	23.2	49.6	9.4	-1.2
14	Other retail stores	6.6	24.8	1.9	63.6	40.1	44.2	2.7
15	Other industries	7.2	29.0	35.6	39.7	36.9	0.3	0.1
	Addenda:							
16	Change in private inventories	-55.8	-19.1	-55.2	240.0	257.4	145.4	100.2
17	Durable goods industries	-57.7	-45.8	-65.0	106.5	115.3	114.3	118.0
18	Nondurable goods industries	1.8	26.7	9.8	133.5	142.1	31.1	-17.8
19	Nonfarm industries	-49.3	-16.1	-53.1	244.9	264.1	154.9	112.2
20	Nonfarm change in book value ¹	-27.8	279.0	251.3	467.0	532.0	480.5	237.9
21	Nonfarm inventory valuation adjustment ²	-21.5	-295.0	-304.5	-222.1	-268.0	-325.6	-125.6
22	Wholesale trade	-27.7	29.4	11.7	136.8	128.6	101.1	84.1
23	Merchant wholesale trade	-19.8	46.4	26.3	150.8	135.5	108.9	90.3
24	Durable goods industries	-20.2	42.7	26.9	111.6	80.3	93.9	67.3
25	Nondurable goods industries	0.4	3.7	-0.6	39.1	55.2	15.0	23.1
26	Nonmerchant wholesale trade	-7.9	-16.9	-14.6	-14.0	-7.0	-7.8	-6.3

Legend / Footnotes:

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 5.7.6B. Change in Real Private Inventories by Industry, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Change in private inventories	-54.6	-19.4	-48.6	197.6	214.5	110.2	61.9
2	Farm	-8.4	-3.9	-3.8	-9.8	-15.5	-19.5	-22.9
3	Mining, utilities, and construction	0.7	-9.5	-14.9	-3.5	-11.8	-4.8	-1.8
4	Manufacturing	-28.6	-46.1	-41.7	-28.0	11.8	4.8	-8.6
5	Durable goods industries	-10.8	-28.3	-22.4	-11.3	1.9	12.6	20.1
6	Nondurable goods industries	-18.7	-17.5	-19.4	-17.3	10.3	-8.1	-28.8
7	Wholesale trade	-24.4	26.2	12.2	118.9	106.0	79.1	68.4
8	Durable goods industries	-28.4	31.8	19.5	86.1	66.6	80.3	62.7
9	Nondurable goods industries	4.3	-5.9	-7.5	32.5	39.7	1.3	7.5
10	Retail trade	-7.1	-12.5	-32.4	87.5	93.2	48.8	25.5
11	Motor vehicle and parts dealers	-17.0	-45.3	-44.4	14.0	9.9	1.3	22.7
12	Food and beverage stores	1.0	-0.3	0.1	-1.8	8.5	2.9	1.6
13	General merchandise stores	0.6	10.2	10.5	20.4	43.0	8.0	-1.0
14	Other retail stores	7.4	22.5	1.9	55.3	32.6	36.4	2.5
15	Other industries	11.0	25.8	30.4	33.9	30.8	1.9	0.8
16	Residual	3.6	1.1	1.5	-1.0	-1.5	-2.2	-1.6
	Addenda:							
17	Change in private inventories	-54.6	-19.4	-48.6	197.6	214.5	110.2	61.9
18	Durable goods industries	-57.7	-43.1	-54.9	86.8	91.3	89.5	94.9
19	Nondurable goods industries	5.1	26.5	9.3	111.0	123.3	20.0	-32.4
20	Nonfarm industries	-46.9	-16.0	-44.8	202.2	223.6	123.6	78.7
21	Wholesale trade	-24.4	26.2	12.2	118.9	106.0	79.1	68.4
22	Merchant wholesale trade	-16.7	41.7	24.9	130.1	112.2	86.9	73.9
23	Durable goods industries	-19.9	37.5	24.3	95.9	67.2	77.2	55.6
24	Nondurable goods industries	3.2	4.2	0.6	34.2	45.1	11.3	19.3
25	Nonmerchant wholesale trade	-7.9	-16.9	-13.9	-13.0	-6.9	-7.6	-5.5

Legend / Footnotes:

Note. Estimates in this table are based on the North American Industry Classification System (NAICS).

Chained (2012) 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.

Table 5.8.5B. Private Inventories and Domestic Final Sales by Industry

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Private inventories ¹	3,239.9	3,394.4	3,611.7	3,777.2	3,756.9
2	Farm	159.0	167.3	167.6	163.8	160.1
3	Mining, utilities, and construction	126.0	130.6	135.0	157.6	167.5
4	Manufacturing	1,026.1	1,050.2	1,106.8	1,148.1	1,101.6
5	Durable goods industries	595.6	614.8	623.6	636.3	620.0
6	Nondurable goods industries	430.5	435.4	483.2	511.8	481.6
7	Wholesale trade	932.4	990.9	1,075.6	1,131.3	1,135.6
8	Durable goods industries	514.7	555.2	587.4	622.3	635.0
9	Nondurable goods industries	417.8	435.6	488.3	509.0	500.6
10	Retail trade	728.8	769.5	815.9	847.8	852.7
11	Motor vehicle and parts dealers	212.2	222.9	227.7	230.5	234.8
12	Food and beverage stores	68.4	68.9	74.5	77.0	78.8
13	General merchandise stores	105.1	111.9	127.1	132.1	133.4
14	Other retail stores	343.2	365.8	386.7	408.1	405.6
15	Other industries	267.5	285.9	310.8	328.6	339.4
	Addenda:					
16	Private inventories	3,239.9	3,394.4	3,611.7	3,777.2	3,756.9
17	Durable goods industries	1,442.0	1,518.1	1,573.1	1,626.4	1,624.2
18	Nondurable goods industries	1,797.9	1,876.3	2,038.6	2,150.8	2,132.7
19	Nonfarm industries	3,080.9	3,227.0	3,444.1	3,613.4	3,596.8
20	Wholesale trade	932.4	990.9	1,075.6	1,131.3	1,135.6
21	Merchant wholesale trade	779.3	836.5	908.7	958.9	972.7
22	Durable goods industries	437.1	478.3	509.0	541.6	552.8
23	Nondurable goods industries	342.3	358.2	399.7	417.2	419.8
24	Nonmerchant wholesale trade	153.1	154.4	166.9	172.4	163.0
25	Final sales of domestic business ²	1,369.2	1,400.9	1,418.6	1,454.7	1,481.9
26	Final sales of goods and structures of domestic business ²	773.8	791.4	802.4	823.8	839.5
	Ratios of private inventories to final sales of domestic business:					
27	Private inventories to final sales	2.37	2.42	2.55	2.60	2.54
28	Nonfarm inventories to final sales	2.25	2.30	2.43	2.48	2.43
29	Nonfarm inventories to final sales of goods and structures	3.98	4.08	4.29	4.39	4.28

Legend / Footnotes:

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 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 output of general government, gross value added of nonprofit institutions, compensation paid to domestic workers, and imputed rental of owner-occupied nonfarm housing. 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 5.8.6B. Real Private Inventories and Real Domestic Final Sales by Industry, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Private inventories ¹	2,785.1	2,834.5	2,888.1	2,915.7	2,931.1
2	Farm	172.7	170.3	166.4	161.5	155.8
3	Mining, utilities, and construction	107.6	106.8	103.8	102.6	102.2
4	Manufacturing	819.5	812.5	815.5	816.6	814.5
5	Durable goods industries	453.0	450.2	450.6	453.8	458.8
6	Nondurable goods industries	368.7	364.4	367.0	364.9	357.7
7	Wholesale trade	819.2	848.9	875.4	895.2	912.3
8	Durable goods industries	452.9	474.4	491.0	511.1	526.8
9	Nondurable goods industries	366.7	374.9	384.8	385.1	387.0
10	Retail trade	638.0	659.9	683.2	695.4	701.8
11	Motor vehicle and parts dealers	186.4	189.9	192.4	192.7	198.4
12	Food and beverage stores	58.1	57.7	59.8	60.5	61.0
13	General merchandise stores	93.5	98.6	109.4	111.4	111.1
14	Other retail stores	300.1	313.9	322.1	331.2	331.8
15	Other industries	216.4	224.8	232.5	233.0	233.2
16	Residual	9.0	8.7	8.3	7.8	7.4
	Addenda:					
17	Private inventories	2,785.1	2,834.5	2,888.1	2,915.7	2,931.1
18	Durable goods industries	1,188.6	1,210.3	1,233.1	1,255.5	1,279.2
19	Nondurable goods industries	1,598.0	1,625.7	1,656.6	1,661.5	1,653.4
20	Nonfarm industries	2,603.9	2,654.4	2,710.3	2,741.2	2,760.9
21	Wholesale trade	819.2	848.9	875.4	895.2	912.3
22	Merchant wholesale trade	678.4	710.9	738.9	760.7	779.1
23	Durable goods industries	382.8	406.8	423.6	442.9	456.8
24	Nondurable goods industries	295.8	304.4	315.7	318.5	323.3
25	Nonmerchant wholesale trade	141.0	137.7	136.0	134.1	132.7
26	Final sales of domestic business ²	1,169.5	1,176.2	1,167.8	1,171.1	1,181.6
27	Final sales of goods and structures of domestic business ²	689.1	688.9	678.5	676.4	682.5
	Ratios of private inventories to final sales of domestic business:					
28	Private inventories to final sales	2.38	2.41	2.47	2.49	2.48
29	Nonfarm inventories to final sales	2.23	2.26	2.32	2.34	2.34
30	Nonfarm inventories to final sales of goods and structures	3.78	3.85	3.99	4.05	4.05

Legend / Footnotes:

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 output of general government, gross value added of nonprofit institutions, compensation paid to domestic workers, and imputed rental of owner-occupied nonfarm housing. 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 (2012) dollar inventory series are calculated to ensure that the chained (2012) dollar change in inventories for 2012 equals the current-dollar change in inventories for 2012 and that the average of the 2011 and 2012 end-of-year chain-weighted and fixed-weighted inventories are equal.

Table 5.8.9B. Implicit Price Deflators for Private Inventories by Industry

[Index numbers, 2012=100] Seasonally adjusted

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Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Private inventories ¹	116.329	119.753	125.054	129.550	128.172
2	Farm	92.036	98.284	100.713	101.450	102.792
3	Mining, utilities, and construction	117.062	122.293	129.980	153.524	163.905
4	Manufacturing	125.209	129.253	135.732	140.591	135.253
5	Durable goods industries	131.494	136.570	138.389	140.228	135.131
6	Nondurable goods industries	116.750	119.492	131.678	140.242	134.631
7	Wholesale trade	113.827	116.724	122.868	126.373	124.479
8	Durable goods industries	113.647	117.040	119.618	121.754	120.538
9	Nondurable goods industries	113.922	116.216	126.888	132.166	129.367
10	Retail trade	114.234	116.609	119.429	121.910	121.502
11	Motor vehicle and parts dealers	113.825	117.372	118.357	119.598	118.354
12	Food and beverage stores	117.646	119.401	124.540	127.153	129.282
13	General merchandise stores	112.356	113.449	116.183	118.653	120.095
14	Other retail stores	114.359	116.540	120.060	123.247	122.248
15	Other industries	123.663	127.162	133.655	141.043	145.528
	Addenda:					
16	Private inventories	116.329	119.753	125.054	129.550	128.172
17	Durable goods industries	121.317	125.436	127.569	129.544	126.966
18	Nondurable goods industries	112.513	115.410	123.064	129.447	128.988
19	Nonfarm industries	118.320	121.571	127.074	131.816	130.274
20	Wholesale trade	113.827	116.724	122.868	126.373	124.479
21	Merchant wholesale trade	114.885	117.667	122.976	126.056	124.841
22	Durable goods industries	114.160	117.570	120.150	122.287	121.018
23	Nondurable goods industries	115.699	117.673	126.629	130.991	129.853
24	Nonmerchant wholesale trade	108.613	112.112	122.718	128.590	122.774

Legend / Footnotes:

1. Implicit price deflators are as of the end of the quarter and are consistent with inventory stocks.

Note. Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 6.1D. National Income Without Capital Consumption Adjustment by Industry

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	National income without capital consumption adjustment	17,622.7	19,490.2	19,685.0	20,413.4	20,946.5	21,440.2	---
2	Domestic industries	17,425.7	19,317.1	19,517.2	20,231.9	20,757.8	21,232.3	---
3	Private industries	15,331.4	17,151.3	17,326.9	18,033.0	18,546.0	19,008.7	---
4	Agriculture, forestry, fishing, and hunting	111.6	138.8	149.2	147.1	186.3	213.4	---
5	Mining	87.7	200.7	199.7	283.8	314.2	423.1	---
6	Utilities	208.6	210.4	212.1	212.2	220.0	223.9	---
7	Construction	938.2	1,021.2	1,035.4	1,068.2	1,108.4	1,128.6	---
8	Manufacturing	1,636.7	1,849.3	1,855.6	1,976.2	2,045.3	2,129.6	---
9	Durable goods	1,001.0	1,131.9	1,135.9	1,187.2	1,251.1	1,289.4	---
10	Nondurable goods	635.7	717.4	719.7	789.1	794.2	840.2	---
11	Wholesale trade	1,003.6	1,116.7	1,136.6	1,182.9	1,242.0	1,252.3	---
12	Retail trade	1,243.7	1,453.0	1,445.0	1,490.7	1,497.5	1,511.5	---
13	Transportation and warehousing	525.6	630.3	659.1	687.5	710.4	763.3	---
14	Information	691.1	793.8	795.6	819.6	822.1	823.2	---
15	Finance, insurance, real estate, rental, and leasing	3,215.2	3,391.3	3,397.9	3,503.3	3,525.2	3,537.1	---
16	Professional and business services ¹	2,711.3	3,077.4	3,112.0	3,231.3	3,343.3	3,404.5	---
17	Educational services, health care, and social assistance	1,855.6	2,001.7	2,020.5	2,050.2	2,087.3	2,113.4	---
18	Arts, entertainment, recreation, accommodation, and food services	612.4	747.7	782.7	835.4	882.4	918.3	---
19	Other services, except government	489.9	519.1	525.4	544.7	561.6	566.5	---
20	Government	2,094.3	2,165.8	2,190.3	2,198.9	2,211.8	2,223.6	---
21	Rest of the world	197.0	173.1	167.8	181.5	188.7	207.9	---

Legend / Footnotes:

1. Consists of professional, scientific, and technical services; management of companies and enterprises; and administrative and waste management services.

Note. Estimates in this table are based on the 2012 North American Industry Classification System (NAICS).

Table 6.16D. Corporate Profits by Industry

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Corporate profits with inventory valuation and capital consumption adjustments	2,260.1	2,771.1	2,843.5	2,865.9	2,869.6	3,001.3	---
2	Domestic industries	1,830.5	2,358.7	2,431.8	2,443.2	2,432.7	2,538.9	---
3	Financial ¹	443.2	512.2	535.6	537.1	510.3	464.3	---
4	Nonfinancial	1,387.3	1,846.5	1,896.2	1,906.0	1,922.4	2,074.6	---
5	Rest of the world	429.6	412.4	411.7	422.7	436.9	462.3	---
6	Receipts from the rest of the world	744.6	869.4	887.2	895.0	912.1	968.2	---
7	Less: Payments to the rest of the world	315.0	457.0	475.5	472.3	475.2	505.8	---
8	Corporate profits with inventory valuation adjustment	2,373.5	2,881.2	2,951.8	3,001.4	3,081.6	3,252.7	---
9	Domestic industries	1,943.8	2,468.8	2,540.1	2,578.6	2,644.7	2,790.4	---
10	Financial	514.6	585.0	608.3	613.6	593.4	552.4	---
11	Federal Reserve banks	89.7	113.1	128.4	128.5	142.7	130.7	---
12	Other financial ²	424.9	471.8	479.9	485.1	450.7	421.8	---
13	Nonfinancial	1,429.2	1,883.9	1,931.8	1,965.0	2,051.3	2,237.9	---
14	Utilities	25.6	23.6	24.6	23.6	26.2	27.9	---
15	Manufacturing	329.5	447.0	457.7	514.9	548.1	616.9	---
16	Durable goods	207.6	275.2	285.2	292.9	332.7	359.9	---
17	Fabricated metal products	26.9	27.6	27.0	30.9	42.0	44.0	---
18	Machinery	30.5	30.5	30.9	29.7	38.7	46.1	---
19	Computer and electronic products	78.6	104.0	101.0	102.0	112.0	108.8	---
20	Electrical equipment, appliances, and components	8.2	6.7	7.3	5.0	7.7	8.7	---
21	Motor vehicles, bodies and trailers, and parts	0.5	4.4	4.1	12.4	19.1	26.7	---
22	Other durable goods ³	63.0	102.0	114.8	112.9	113.2	125.5	---
23	Nondurable goods	121.9	171.8	172.5	222.0	215.4	257.0	---
24	Food and beverage and tobacco products	69.0	68.2	64.2	67.1	55.2	58.6	---
25	Petroleum and coal products	-48.6	-6.7	-5.2	10.1	11.3	49.7	---
26	Chemical products	66.7	76.8	82.8	106.2	102.3	99.4	---
27	Other nondurable goods ⁴	34.7	33.5	30.8	38.6	46.5	49.3	---
28	Wholesale trade	142.2	159.3	170.3	176.0	190.3	184.9	---
29	Retail trade	230.2	311.3	301.5	298.5	297.3	307.4	---
30	Transportation and warehousing	38.0	93.8	94.9	96.8	89.4	124.4	---
31	Information	138.7	159.2	159.2	159.4	161.7	151.8	---
32	Other nonfinancial ⁵	525.1	689.7	723.5	695.8	738.3	824.6	---
33	Rest of the world	429.6	412.4	411.7	422.7	436.9	462.3	---

Legend / Footnotes:

1. Consists of finance and insurance and bank and other holding companies.

2. Consists of credit intermediation and related activities; securities, commodity contracts, and other financial investments and related activities; insurance carriers and related activities; funds, trusts, and other financial vehicles; and bank and other holding companies.

3. Consists of wood products; nonmetallic mineral products; primary metals; other transportation equipment; furniture and related products; and miscellaneous manufacturing.

4. Consists of textile mills and textile product mills; apparel; leather and allied products; paper products; printing and related support activities; and plastics and rubber products.

5. Consists of agriculture, forestry, fishing, and hunting; mining; construction; real estate and rental and leasing; professional, scientific, and technical services; administrative and waste management services; educational services; health care and social assistance; arts, entertainment, and recreation; accommodation and food services; and other services, except government.

Note. Estimates in this table are based on the 2012 North American Industry Classification System (NAICS).

Table 7.1. Selected Per Capita Product and Income Series in Current and Chained Dollars

[Dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
	Current dollars:							
1	Gross domestic product	63,481	70,181	70,872	73,212	74,352	75,835	77,011
2	Gross national product	64,075	70,702	71,377	73,758	74,919	76,459	---
3	Personal income	59,779	64,100	63,212	63,629	64,072	64,953	65,769
4	Disposable personal income	53,038	56,088	55,107	55,192	54,619	55,348	56,103
5	Personal consumption expenditures	42,549	47,869	48,593	49,666	50,713	51,845	52,515
6	Goods	14,077	16,545	16,603	17,059	17,560	17,882	17,935
7	Durable goods	4,964	6,202	6,124	6,319	6,563	6,553	6,589
8	Nondurable goods	9,113	10,344	10,479	10,741	10,997	11,329	11,345
9	Services	28,472	31,324	31,990	32,606	33,153	33,963	34,581
	Chained (2012) dollars:							
10	Gross domestic product	55,791	59,028	59,202	60,154	59,877	59,756	60,082
11	Gross national product	56,322	59,478	59,636	60,614	60,347	60,262	---
12	Disposable personal income	47,720	48,510	47,351	46,717	45,406	45,210	45,360
13	Personal consumption expenditures	38,283	41,401	41,753	42,039	42,159	42,348	42,459
14	Goods	14,938	16,742	16,656	16,738	16,726	16,608	16,545
15	Durable goods	5,770	6,829	6,639	6,716	6,837	6,786	6,765
16	Nondurable goods	9,244	10,042	10,128	10,138	10,020	9,952	9,909
17	Services	23,701	25,168	25,562	25,763	25,884	26,160	26,317
18	Population (midperiod, thousands)	331,761	332,213	332,297	332,584	332,749	332,940	333,241

Legend / Footnotes:

Note. On February 24, 2022, BEA's per capita income and product statistics were updated, beginning with the second quarter of 2010. The revised historical time series reflects an update to the intercensal years to align with the 2020 Census results and with the latest Census Bureau [population statistics](#).

Table 7.2.1B. Percent Change From Preceding Period in Real Motor Vehicle Output

[Percent] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Motor vehicle output	-14.1	8.3	-43.5	48.2	-3.6	-3.8	2.5
2	Auto output	-30.7	2.0	-48.2	-5.1	-92.3	27.3	-70.7
3	Truck output	-12.4	8.9	-42.9	54.9	14.7	-5.2	8.6
4	Final sales of domestic product	-10.8	17.2	-49.5	-5.0	2.6	-6.9	-9.7
5	Personal consumption expenditures	1.7	16.0	-53.4	9.6	17.7	-11.4	-13.3
6	New motor vehicles	1.8	13.7	-63.1	11.2	69.9	-25.7	-20.3
7	Autos	-17.8	6.3	-39.5	-18.7	40.3	-22.7	-6.4
8	Light trucks (including utility vehicles)	6.6	15.1	-66.3	18.0	75.6	-26.3	-22.5
9	Net purchases of used autos and used light trucks	1.5	19.9	-35.3	7.8	-30.0	15.8	-2.3
10	Used autos	-25.6	15.5	-37.8	6.5	-29.1	18.9	-21.4
11	Used light trucks (including utility vehicles)	12.5	21.1	-34.6	8.2	-30.2	15.0	3.2
12	Private fixed investment	-39.9	12.2	-22.3	-31.1	-2.6	5.4	44.6
13	New motor vehicles	-23.9	4.6	-51.2	-23.8	3.7	-7.5	15.1
14	Autos	-31.5	-2.1	-62.4	-61.0	-2.1	-12.4	-34.9
15	Trucks	-22.2	5.9	-48.7	-14.8	4.6	-6.7	24.4
16	Light trucks (including utility vehicles)	-18.7	3.7	-51.7	-20.2	1.9	-16.2	28.6
17	Other	-35.4	16.9	-32.9	12.2	15.6	36.8	10.8
18	Net purchases of used autos and used light trucks	8.6	-2.3	-68.7	-16.9	9.7	-18.1	-9.9
19	Used autos	-8.1	-9.6	-72.7	-59.1	-15.4	-4.4	-42.3
20	Used light trucks (including utility vehicles)	17.1	0.5	-67.0	5.5	18.2	-21.6	1.6
21	Gross government investment	-5.0	-26.3	-54.3	-11.4	25.7	50.5	-25.1
22	Autos	-17.6	-49.7	-7.2	1.0	-13.7	4.4	71.7
23	Trucks	-3.6	-23.9	-56.7	-12.2	29.0	54.2	-29.2
24	Net exports	---	---	---	---	---	---	---
25	Exports	-20.0	16.8	-11.5	27.7	-25.4	53.6	9.4
26	Autos	-19.4	15.1	-20.0	12.7	125.5	46.6	13.3
27	Trucks	-20.8	19.1	1.1	48.9	-88.6	71.8	0.8
28	Imports	-20.8	4.4	-31.1	33.0	37.8	9.0	19.1
29	Autos	-19.5	1.1	-33.4	32.0	238.4	6.2	15.6
30	Trucks	-22.7	9.1	-28.0	34.2	-70.3	15.5	27.3
31	Change in private inventories	---	---	---	---	---	---	---
32	Autos	---	---	---	---	---	---	---
33	New	---	---	---	---	---	---	---
34	Domestic	---	---	---	---	---	---	---
35	Foreign	---	---	---	---	---	---	---
36	Used	---	---	---	---	---	---	---
37	Trucks	---	---	---	---	---	---	---
38	New	---	---	---	---	---	---	---
39	Domestic	---	---	---	---	---	---	---
40	Foreign	---	---	---	---	---	---	---
41	Used ¹	---	---	---	---	---	---	---
	Addenda:							
42	Final sales of motor vehicles to domestic purchasers	-12.9	13.7	-48.5	0.1	14.0	-7.5	-4.5
43	Private fixed investment in new autos and new light trucks	-21.5	2.6	-53.9	-29.4	1.3	-15.6	16.2
44	Domestic output of new autos ²	-19.6	-7.3	-50.3	78.2	76.5	40.9	10.6
45	Sales of imported new autos ³	-27.4	15.0	-29.2	-59.6	32.6	-30.5	-24.8

Legend / Footnotes:

1. Consists of used light trucks only.

2. Consists of final sales and change in private inventories of new autos assembled in the United States.

3. Consists of sales of imported new autos in personal consumption expenditures, in private fixed investment, and in gross government investment.

Table 7.2.3B. Real Motor Vehicle Output, Quantity Indexes

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Motor vehicle output	110.569	119.757	108.047	119.220	118.138	116.993	117.716
2	Auto output	26.007	26.516	26.126	25.784	13.578	14.422	10.607
3	Truck output	152.081	165.558	148.208	165.341	171.122	168.859	172.366
4	Final sales of domestic product	118.598	138.978	129.634	127.972	128.801	126.520	123.337
5	Personal consumption expenditures	136.251	158.070	143.297	146.635	152.745	148.197	143.004
6	New motor vehicles	119.581	135.936	119.577	122.806	140.206	130.149	122.984
7	Autos	49.435	52.530	50.879	48.310	52.578	49.305	48.495
8	Light trucks (including utility vehicles)	164.338	189.126	163.432	170.323	196.076	181.696	170.483
9	Net purchases of used autos and used light trucks	180.481	216.385	204.417	208.309	190.539	197.652	196.524
10	Used autos	83.792	96.749	91.716	93.163	85.480	89.254	84.036
11	Used light trucks (including utility vehicles)	261.643	316.800	299.011	304.952	278.716	288.631	290.929
12	Private fixed investment	87.066	97.648	99.433	90.583	89.987	91.176	99.983
13	New motor vehicles	119.732	125.219	115.357	107.796	108.779	106.685	110.508
14	Autos	51.862	50.772	47.043	37.164	36.966	35.761	32.121
15	Trucks	161.964	171.505	157.829	151.651	153.363	150.713	159.157
16	Light trucks (including utility vehicles)	189.560	196.489	179.845	169.984	170.806	163.414	174.028
17	Other	92.924	108.641	102.329	105.307	109.189	118.084	121.144
18	Net purchases of used autos and used light trucks	206.696	201.875	167.848	160.257	164.007	156.033	152.039
19	Used autos	122.176	110.478	95.451	76.325	73.197	72.383	63.083
20	Used light trucks (including utility vehicles)	285.378	286.941	235.226	238.378	248.532	233.894	234.841
21	Gross government investment	143.337	105.583	93.529	90.746	96.095	106.435	99.030
22	Autos	109.704	55.161	48.319	48.434	46.685	47.187	54.012
23	Trucks	147.404	112.106	99.375	96.186	102.518	114.236	104.786
24	Net exports	---	---	---	---	---	---	---
25	Exports	82.138	95.928	91.698	97.479	90.586	100.839	103.138
26	Autos	94.278	108.469	103.350	106.483	130.481	143.574	148.120
27	Trucks	69.041	82.233	78.941	87.204	50.626	57.963	58.074
28	Imports	106.766	111.421	102.585	110.158	119.347	121.939	127.383
29	Autos	106.876	108.039	97.810	104.835	142.190	144.361	149.696
30	Trucks	106.708	116.406	109.574	117.941	87.079	90.274	95.885
31	Change in private inventories	---	---	---	---	---	---	---
32	Autos	---	---	---	---	---	---	---
33	New	---	---	---	---	---	---	---
34	Domestic	---	---	---	---	---	---	---
35	Foreign	---	---	---	---	---	---	---
36	Used	---	---	---	---	---	---	---
37	Trucks	---	---	---	---	---	---	---
38	New	---	---	---	---	---	---	---
39	Domestic	---	---	---	---	---	---	---
40	Foreign	---	---	---	---	---	---	---
41	Used ¹	---	---	---	---	---	---	---
	Addenda:							
42	Final sales of motor vehicles to domestic purchasers	120.123	136.538	126.641	126.667	130.897	128.356	126.882
43	Private fixed investment in new autos and new light trucks	125.475	128.686	118.049	108.215	108.564	104.048	108.034
44	Domestic output of new autos ²	56.622	52.474	45.723	52.829	60.892	66.345	68.036
45	Sales of imported new autos ³	55.902	64.305	65.584	52.295	56.113	51.238	47.711

Legend / Footnotes:

1. Consists of used light trucks only.

2. Consists of final sales and change in private inventories of new autos assembled in the United States.

3. Consists of sales of imported new autos in personal consumption expenditures, in private fixed investment, and in gross government investment.

Table 7.2.4B. Price Indexes for Motor Vehicle Output

[Index numbers, 2012=100] Seasonally adjusted

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Motor vehicle output	104.907	114.361	117.462	122.790	125.104	127.475	130.287
2	Auto output	99.021	122.430	130.528	143.031	147.326	152.854	159.789
3	Truck output	107.366	115.797	118.519	123.326	125.566	127.828	130.516
4	Final sales of domestic product	104.919	113.852	116.518	121.769	124.114	126.415	129.186
5	Personal consumption expenditures	100.028	112.799	117.022	121.758	124.357	125.260	127.415
6	New motor vehicles	103.339	109.043	110.863	114.963	116.624	119.120	121.838
7	Autos	99.899	105.171	106.826	111.013	112.671	115.988	118.674
8	Light trucks (including utility vehicles)	105.219	111.074	113.477	117.684	119.374	121.766	124.537
9	Net purchases of used autos and used light trucks	92.842	116.581	124.562	130.137	134.200	132.352	133.576
10	Used autos	91.879	115.061	122.981	128.796	133.007	130.784	132.427
11	Used light trucks (including utility vehicles)	93.652	117.683	125.729	131.275	135.324	133.563	134.688
12	Private fixed investment	106.098	95.547	91.012	93.972	94.296	100.168	103.262
13	New motor vehicles	104.237	109.611	111.215	115.293	117.375	119.906	122.383
14	Autos	99.884	104.573	106.094	110.276	111.932	115.218	117.850
15	Trucks	106.519	112.103	113.743	117.862	120.044	122.496	124.990
16	Light trucks (including utility vehicles)	105.209	111.028	112.890	117.010	118.707	121.047	123.853
17	Other	111.821	116.198	116.766	120.862	125.004	127.876	129.245
18	Net purchases of used autos and used light trucks	97.484	119.478	127.410	132.597	136.750	134.695	136.017
19	Used autos	97.226	119.032	126.924	132.067	136.144	134.167	135.418
20	Used light trucks (including utility vehicles)	97.672	119.758	127.712	132.921	137.100	135.021	136.363
21	Gross government investment	110.824	116.001	116.508	119.314	121.006	125.872	126.667
22	Autos	105.541	145.657	151.684	140.420	128.675	157.115	134.799
23	Trucks	111.436	113.972	114.066	117.739	120.246	123.781	125.937
24	Net exports	---	---	---	---	---	---	---
25	Exports	105.341	106.355	106.358	107.058	107.789	107.989	108.640
26	Autos	98.737	99.473	99.532	99.744	100.258	100.258	100.530
27	Trucks	114.519	115.949	115.871	117.277	118.408	119.160	120.827
28	Imports	97.695	98.730	98.906	99.235	100.199	101.057	101.814
29	Autos	98.283	98.887	98.930	98.960	99.975	100.812	101.618
30	Trucks	96.763	98.390	98.742	99.442	100.316	101.220	101.861
31	Change in private inventories	---	---	---	---	---	---	---
32	Autos	---	---	---	---	---	---	---
33	New	---	---	---	---	---	---	---
34	Domestic	---	---	---	---	---	---	---
35	Foreign	---	---	---	---	---	---	---
36	Used	---	---	---	---	---	---	---
37	Trucks	---	---	---	---	---	---	---
38	New	---	---	---	---	---	---	---
39	Domestic	---	---	---	---	---	---	---
40	Foreign	---	---	---	---	---	---	---
41	Used ¹	---	---	---	---	---	---	---
	Addenda:							
42	Final sales of motor vehicles to domestic purchasers	102.537	109.980	112.229	116.554	118.657	120.737	123.104
43	Private fixed investment in new autos and new light trucks	102.886	108.416	110.191	114.267	115.934	118.395	121.134
44	Domestic output of new autos ²	99.280	99.681	99.373	101.285	101.913	103.413	104.318
45	Sales of imported new autos ³	99.894	104.967	106.609	110.751	112.392	115.661	118.338

Legend / Footnotes:

1. Consists of used light trucks only.

2. Consists of final sales and change in private inventories of new autos assembled in the United States.

3. Consists of sales of imported new autos in personal consumption expenditures, in private fixed investment, and in gross government investment.

Table 7.2.5B. Motor Vehicle Output

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Motor vehicle output	505.4	595.5	553.2	638.4	644.5	650.4	668.8
2	Auto output	38.5	48.6	51.0	55.1	29.9	33.0	25.3
3	Truck output	466.9	546.9	502.3	583.2	614.6	617.4	643.5
4	Final sales of domestic product	508.5	646.6	619.6	639.4	655.9	656.3	653.8
5	Personal consumption expenditures	454.3	594.3	562.0	598.8	637.0	622.6	611.1
6	New motor vehicles	292.8	351.2	315.5	336.2	389.3	369.1	356.8
7	Autos	46.7	52.3	51.6	50.9	56.2	54.3	54.6
8	Light trucks (including utility vehicles)	246.1	299.0	263.9	285.3	333.1	314.9	302.1
9	Net purchases of used autos and used light trucks	161.4	243.0	246.5	262.6	247.7	253.4	254.3
10	Used autos	34.2	49.4	50.3	53.5	50.7	52.1	49.6
11	Used light trucks (including utility vehicles)	127.2	193.6	196.2	209.1	197.0	201.4	204.7
12	Private fixed investment	146.1	147.5	143.4	134.9	134.4	144.7	163.6
13	New motor vehicles	280.8	308.8	290.0	281.1	288.8	289.3	305.9
14	Autos	46.1	47.2	44.8	36.8	37.1	37.0	34.0
15	Trucks	234.7	261.6	245.3	244.3	251.6	252.3	271.9
16	Light trucks (including utility vehicles)	194.9	213.2	199.4	195.5	199.2	194.4	211.8
17	Other	39.8	48.4	45.9	48.8	52.4	58.0	60.1
18	Net purchases of used autos and used light trucks	-134.7	-161.3	-146.6	-146.2	-154.3	-144.6	-142.3
19	Used autos	-38.4	-42.5	-40.2	-33.6	-33.2	-32.4	-28.5
20	Used light trucks (including utility vehicles)	-96.4	-118.8	-106.4	-112.6	-121.1	-112.3	-113.8
21	Gross government investment	22.1	17.1	15.2	15.1	16.2	18.7	17.5
22	Autos	1.8	1.2	1.2	1.1	0.9	1.2	1.2
23	Trucks	20.3	15.8	14.1	14.1	15.3	17.5	16.4
24	Net exports	-113.9	-112.2	-101.0	-109.3	-131.8	-129.7	-138.4
25	Exports	63.7	75.1	71.8	76.8	71.8	80.1	82.4
26	Autos	36.4	42.2	40.3	41.6	51.2	56.3	58.3
27	Trucks	27.2	32.8	31.5	35.2	20.6	23.8	24.2
28	Imports	177.6	187.3	172.8	186.1	203.6	209.8	220.8
29	Autos	105.2	107.0	96.9	103.9	142.4	145.8	152.3
30	Trucks	72.4	80.3	75.9	82.2	61.2	64.1	68.5
31	Change in private inventories	-3.1	-51.2	-66.3	-1.1	-11.4	-5.9	15.0
32	Autos	16.8	5.6	0.1	8.8	9.3	10.3	8.5
33	New	-2.4	-13.0	-16.6	-0.9	-0.4	3.1	3.8
34	Domestic	-2.2	-9.3	-11.7	0.1	-0.2	2.7	1.8
35	Foreign	-0.3	-3.8	-4.9	-1.0	-0.2	0.4	2.0
36	Used	19.3	18.6	16.7	9.7	9.7	7.2	4.7
37	Trucks	-20.0	-56.8	-66.4	-9.9	-20.7	-16.1	6.5
38	New	-23.2	-33.9	-29.3	29.6	0.6	17.4	41.2
39	Domestic	-23.2	-24.4	-19.7	31.9	1.5	17.3	35.8
40	Foreign	0.0	-9.5	-9.6	-2.3	-0.8	0.1	5.4
41	Used ¹	3.2	-22.8	-37.1	-39.4	-21.3	-33.5	-34.7
	Addenda:							
42	Final sales of motor vehicles to domestic purchasers	622.5	758.9	720.6	748.7	787.7	786.0	792.2
43	Private fixed investment in new autos and new light trucks	241.0	260.4	244.2	232.2	236.4	231.4	245.8
44	Domestic output of new autos ²	64.4	59.9	52.0	61.3	71.1	78.6	81.3
45	Sales of imported new autos ³	58.7	71.0	73.8	61.2	66.6	62.6	59.7

Legend / Footnotes:

1. Consists of used light trucks only.

2. Consists of final sales and change in private inventories of new autos assembled in the United States.

3. Consists of sales of imported new autos in personal consumption expenditures, in private fixed investment, and in gross government investment.

Table 7.2.6B. Real Motor Vehicle Output, Chained Dollars

[Billions of chained (2012) dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Motor vehicle output	481.1	521.1	470.1	518.8	514.1	509.1	512.2
2	Auto output	38.9	39.7	39.1	38.6	20.3	21.6	15.9
3	Truck output	434.2	472.7	423.1	472.1	488.6	482.1	492.1
4	Final sales of domestic product	484.7	568.0	529.8	523.0	526.4	517.1	504.1
5	Personal consumption expenditures	454.1	526.9	477.6	488.7	509.1	493.9	476.6
6	New motor vehicles	283.4	322.1	283.3	291.0	332.2	308.4	291.4
7	Autos	46.8	49.7	48.2	45.7	49.8	46.7	45.9
8	Light trucks (including utility vehicles)	233.9	269.1	232.6	242.4	279.0	258.6	242.6
9	Net purchases of used autos and used light trucks	173.9	208.5	196.9	200.7	183.6	190.4	189.3
10	Used autos	37.2	43.0	40.7	41.4	38.0	39.6	37.3
11	Used light trucks (including utility vehicles)	135.9	164.5	155.3	158.4	144.7	149.9	151.1
12	Private fixed investment	137.7	154.4	157.2	143.2	142.3	144.2	158.1
13	New motor vehicles	269.4	281.7	259.5	242.5	244.7	240.0	248.6
14	Autos	46.1	45.2	41.8	33.1	32.9	31.8	28.6
15	Trucks	220.4	233.4	214.7	206.3	208.7	205.1	216.6
16	Light trucks (including utility vehicles)	185.3	192.0	175.8	166.1	166.9	159.7	170.1
17	Other	35.6	41.6	39.2	40.4	41.9	45.3	46.4
18	Net purchases of used autos and used light trucks	-138.2	-135.0	-112.2	-107.2	-109.7	-104.3	-101.7
19	Used autos	-39.5	-35.7	-30.8	-24.6	-23.6	-23.4	-20.4
20	Used light trucks (including utility vehicles)	-98.7	-99.2	-81.3	-82.4	-85.9	-80.9	-81.2
21	Gross government investment	20.0	14.7	13.0	12.6	13.4	14.8	13.8
22	Autos	1.7	0.9	0.8	0.8	0.7	0.7	0.8
23	Trucks	18.2	13.9	12.3	11.9	12.7	14.1	13.0
24	Net exports	-121.3	-119.1	-107.2	-115.8	-136.5	-133.4	-141.0
25	Exports	60.4	70.6	67.5	71.7	66.6	74.2	75.9
26	Autos	36.9	42.5	40.5	41.7	51.1	56.2	58.0
27	Trucks	23.8	28.3	27.2	30.0	17.4	20.0	20.0
28	Imports	181.8	189.7	174.7	187.5	203.2	207.6	216.9
29	Autos	107.0	108.2	98.0	105.0	142.4	144.6	149.9
30	Trucks	74.8	81.6	76.8	82.7	61.0	63.3	67.2
31	Change in private inventories	-4.3	-41.1	-49.7	2.4	-8.6	-4.1	11.3
32	Autos	16.4	4.8	0.2	6.5	6.5	7.3	6.0
33	New	-2.3	-12.4	-15.8	-0.9	-0.4	2.9	3.5
34	Domestic	-2.0	-8.6	-10.8	0.1	-0.2	2.5	1.6
35	Foreign	-0.3	-3.8	-5.0	-1.0	-0.2	0.4	2.0
36	Used	19.7	15.9	12.8	7.1	6.9	5.2	3.4
37	Trucks	-20.1	-46.7	-51.5	-4.4	-15.9	-12.0	5.2
38	New	-21.5	-30.8	-26.6	27.4	0.3	15.5	35.8
39	Domestic	-21.2	-21.9	-17.8	28.9	1.0	15.1	30.5
40	Foreign	0.0	-9.6	-9.6	-2.3	-0.8	0.0	5.3
41	Used ¹	2.7	-17.2	-28.4	-29.0	-15.3	-24.1	-24.9
42	Residual	0.9	0.2	1.5	-2.0	0.6	-0.5	-0.8
	Addenda:							
43	Final sales of motor vehicles to domestic purchasers	607.1	690.0	640.0	640.1	661.5	648.7	641.2
44	Private fixed investment in new autos and new light trucks	234.2	240.2	220.4	202.0	202.7	194.2	201.7
45	Domestic output of new autos ²	64.9	60.1	52.4	60.5	69.8	76.0	77.9
46	Sales of imported new autos ³	58.8	67.6	68.9	55.0	59.0	53.9	50.2

Legend / Footnotes:

1. Consists of used light trucks only.

2. Consists of final sales and change in private inventories of new autos assembled in the United States.

3. Consists of sales of imported new autos in personal consumption expenditures, in private fixed investment, and in gross government investment.

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 7.5. Consumption of Fixed Capital by Legal Form of Organization and Type of Income

[Billions of dollars] Seasonally adjusted at annual rates

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2020	2021	2021		2022		
				Q3	Q4	Q1	Q2	Q3
1	Consumption of fixed capital	3,577.8	3,831.6	3,875.7	3,984.9	4,113.6	4,242.1	4,360.1
2	Private	2,971.8	3,184.5	3,222.5	3,315.2	3,422.4	3,530.9	3,634.2
3	Domestic business	2,340.9	2,480.0	2,504.6	2,576.6	2,652.2	2,736.3	2,818.7
4	Corporate business	1,958.5	2,068.2	2,087.4	2,146.1	2,206.2	2,275.6	2,344.6
5	Financial	249.2	266.8	270.5	278.8	284.6	293.5	302.6
6	Nonfinancial	1,709.3	1,801.3	1,816.9	1,867.2	1,921.6	1,982.0	2,042.0
7	Noncorporate business	382.4	411.9	417.2	430.5	446.0	460.8	474.1
8	Sole proprietorships and partnerships	317.4	339.3	343.2	354.3	366.5	378.7	390.1
9	Farm	34.7	36.6	36.9	38.2	39.0	40.2	41.1
10	Nonfarm	282.7	302.8	306.3	316.2	327.4	338.5	349.0
11	Other private business	65.0	72.5	73.9	76.2	79.6	82.1	83.9
12	Rental income of persons	56.2	63.0	64.3	66.2	69.3	71.5	73.0
13	Nonfarm tenant-occupied housing	51.0	57.2	---	---	---	---	---
14	Farm tenant-occupied housing	0.4	0.5	---	---	---	---	---
15	Farms owned by nonoperator landlords	0.3	0.4	---	---	---	---	---
16	Nonfarm nonresidential properties	4.5	5.0	---	---	---	---	---
17	Proprietors' income	8.9	9.5	9.6	10.0	10.3	10.6	10.9
18	Households and institutions	630.9	704.5	717.9	738.6	770.2	794.6	815.5
19	Owner-occupied housing	451.9	514.5	526.5	541.6	567.6	585.6	599.8
20	Nonprofit institutions serving households	179.0	190.0	191.4	197.0	202.6	209.0	215.7
21	Government	605.9	647.1	653.2	669.7	691.2	711.2	725.9
22	General government	524.3	559.5	564.5	578.5	594.4	611.0	623.6
23	Federal	295.1	312.5	314.9	320.7	327.6	334.7	339.8
24	State and local	229.2	247.0	249.6	257.8	266.8	276.4	283.7
25	Government enterprises	81.6	87.6	88.7	91.2	96.8	100.2	102.4
26	Federal	9.6	10.1	10.2	10.4	10.7	11.0	11.2
27	State and local	72.0	77.5	78.5	80.7	86.1	89.2	91.1
28	Addendum: Nonfarm business	2,371.5	2,513.7	2,538.8	2,611.5	2,691.5	2,777.2	2,860.4

Table 8.1.3. Real Gross Domestic Product, Quantity Indexes, Not Seasonally Adjusted

[Index numbers, 2012=100]

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Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	120.990	125.777	119.500	122.697	123.231
2	Personal consumption expenditures	124.988	130.417	122.990	128.013	127.994
3	Goods	150.714	164.848	142.708	152.346	150.281
4	Durable goods	191.100	211.651	182.372	199.645	195.637
5	Nondurable goods	133.656	145.111	125.967	132.519	131.228
6	Services	114.380	116.371	114.812	117.959	118.773
7	Gross private domestic investment	142.493	146.756	142.731	141.979	144.662
8	Fixed investment	143.300	143.798	133.609	143.516	141.240
9	Nonresidential	134.840	139.582	132.536	138.769	139.420
10	Structures	102.604	97.375	90.490	93.729	91.229
11	Equipment	124.445	129.814	122.888	130.147	131.659
12	Intellectual property products	176.178	188.852	181.654	189.085	191.553
13	Residential	177.010	163.437	142.584	164.697	153.033
14	Change in private inventories	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---
16	Exports	104.289	114.257	107.264	113.339	116.220
17	Goods	109.676	119.458	113.404	119.225	122.066
18	Services	94.692	105.025	96.187	102.840	105.831
19	Imports	133.173	138.835	134.625	143.011	143.414
20	Goods	139.252	145.389	141.188	148.924	148.533
21	Services	108.527	112.309	108.100	118.997	122.492
22	Government consumption expenditures and gross investment	109.088	109.463	107.187	109.160	108.214
23	Federal	106.542	107.528	105.014	106.108	103.685
24	National defense	98.615	95.022	92.445	93.807	96.427
25	Nondefense	119.896	128.499	126.087	126.734	115.896
26	State and local	110.912	110.906	108.776	111.310	111.275

Table 8.1.4. Price Indexes for Gross Domestic Product, Not Seasonally Adjusted

[Index numbers, 2012=100]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	119.791	121.612	123.810	127.429	128.246
2	Personal consumption expenditures	116.539	117.927	120.216	122.646	123.860
3	Goods	99.868	101.542	104.763	108.110	108.659
4	Durable goods	92.439	93.591	95.973	96.633	97.515
5	Nondurable goods	103.630	105.632	109.374	114.498	114.810
6	Services	125.278	126.449	128.089	129.915	131.526
7	Gross private domestic investment	114.865	116.509	120.770	123.656	125.688
8	Fixed investment	116.270	118.048	122.082	124.991	126.869
9	Nonresidential	106.760	107.876	111.193	113.353	114.840
10	Structures	125.597	132.435	137.632	143.101	149.603
11	Equipment	97.484	99.208	101.290	102.996	104.446
12	Intellectual property products	107.143	105.293	109.105	110.477	110.180
13	Residential	156.901	161.371	168.501	174.642	178.195
14	Change in private inventories	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---
16	Exports	109.238	110.849	115.478	120.828	117.754
17	Goods	102.966	104.658	110.369	117.077	112.576
18	Services	122.572	123.962	125.680	127.350	128.034
19	Imports	95.669	96.955	100.019	103.378	102.461
20	Goods	91.707	92.925	96.306	99.734	98.465
21	Services	116.048	117.717	118.659	121.455	122.654
22	Government consumption expenditures and gross investment	122.015	125.395	124.180	132.005	130.765
23	Federal	116.197	117.402	119.765	121.534	122.612
24	National defense	114.646	115.841	118.198	120.379	120.828
25	Nondefense	118.676	119.897	122.277	123.531	125.464
26	State and local	125.866	130.702	127.078	138.944	136.181

Table 8.1.5. Gross Domestic Product, Not Seasonally Adjusted

[Billions of dollars at quarterly rates]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	5,883.2	6,203.4	6,010.7	6,353.0	6,423.8
2	Personal consumption expenditures	4,020.5	4,244.9	4,080.9	4,333.4	4,375.7
3	Goods	1,367.1	1,520.2	1,357.8	1,495.8	1,483.0
4	Durable goods	504.8	566.0	500.1	551.2	545.1
5	Nondurable goods	862.4	954.3	857.7	944.6	937.9
6	Services	2,653.4	2,724.7	2,723.1	2,837.6	2,892.6
7	Gross private domestic investment	1,066.3	1,108.3	1,128.0	1,150.0	1,193.2
8	Fixed investment	1,061.9	1,081.8	1,039.5	1,143.2	1,142.0
9	Nonresidential	762.3	797.3	780.3	832.9	847.8
10	Structures	154.5	154.6	149.3	160.8	163.6
11	Equipment	298.2	316.6	306.0	329.5	338.0
12	Intellectual property products	309.6	326.1	325.0	342.6	346.1
13	Residential	299.6	284.5	259.2	310.3	294.2
14	Change in private inventories	4.4	26.4	88.5	6.8	51.2
15	Net exports of goods and services	-247.2	-226.0	-241.7	-260.2	-254.5
16	Exports	631.5	702.1	686.7	759.2	758.7
17	Goods	432.0	478.4	478.9	534.1	525.8
18	Services	199.5	223.7	207.8	225.1	232.9
19	Imports	878.7	928.1	928.4	1,019.4	1,013.2
20	Goods	729.1	771.1	776.1	847.7	834.7
21	Services	149.6	157.0	152.4	171.7	178.5
22	Government consumption expenditures and gross investment	1,043.6	1,076.2	1,043.6	1,129.7	1,109.4
23	Federal	398.4	406.2	404.7	415.0	409.1
24	National defense	230.1	224.1	222.4	229.9	237.2
25	Nondefense	168.2	182.1	182.3	185.1	171.9
26	State and local	645.2	669.9	638.9	714.8	700.4

Table 8.1.6. Real Gross Domestic Product, Chained Dollars, Not Seasonally Adjusted

[Billions of chained (2012) dollars at quarterly rates]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	4,916.4	5,111.0	4,855.9	4,985.8	5,007.5
2	Personal consumption expenditures	3,452.0	3,601.9	3,396.8	3,535.5	3,535.0
3	Goods	1,370.6	1,499.2	1,297.8	1,385.5	1,366.7
4	Durable goods	546.7	605.4	521.7	571.1	559.6
5	Nondurable goods	833.2	904.6	785.3	826.1	818.0
6	Services	2,118.8	2,155.7	2,126.8	2,185.1	2,200.2
7	Gross private domestic investment	934.0	961.9	935.5	930.6	948.2
8	Fixed investment	913.7	916.9	851.9	915.1	900.6
9	Nonresidential	714.2	739.3	702.0	735.0	738.4
10	Structures	123.0	116.7	108.5	112.3	109.3
11	Equipment	305.9	319.1	302.1	320.0	323.7
12	Intellectual property products	288.8	309.6	297.8	310.0	314.0
13	Residential	191.2	176.5	154.0	177.9	165.3
14	Change in private inventories	7.0	53.6	74.1	-15.2	25.0
15	Net exports of goods and services	-343.8	-327.7	-337.4	-361.7	-348.5
16	Exports	578.2	633.5	594.7	628.4	644.4
17	Goods	419.4	456.8	433.7	455.9	466.8
18	Services	162.9	180.7	165.5	176.9	182.1
19	Imports	922.0	961.2	932.0	990.1	992.9
20	Goods	798.4	833.5	809.5	853.8	851.6
21	Services	129.2	133.7	128.7	141.6	145.8
22	Government consumption expenditures and gross investment	855.4	858.3	840.5	855.9	848.5
23	Federal	342.8	346.0	337.9	341.4	333.6
24	National defense	200.7	193.4	188.2	190.9	196.3
25	Nondefense	141.7	151.9	149.0	149.8	137.0
26	State and local	512.8	512.8	502.9	514.7	514.5
27	Residual	-8.1	-58.6	-15.5	5.8	-7.0

Legend / Footnotes:

Note. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 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 8.1.11. Real Gross Domestic Product: Percent Change From Quarter One Year Ago, Not Seasonally Adjusted

[Percent]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Gross domestic product	4.6	5.5	3.5	1.9	1.9
2	Personal consumption expenditures	7.5	6.9	4.4	2.5	2.4
3	Goods	7.1	7.1	1.3	-1.8	-0.3
4	Durable goods	6.4	6.8	-0.4	-3.7	2.4
5	Nondurable goods	7.6	7.3	2.4	-0.7	-1.8
6	Services	7.7	6.8	6.1	4.9	3.8
7	Gross private domestic investment	5.1	10.0	10.7	7.9	1.5
8	Fixed investment	7.8	3.6	2.7	0.1	-1.4
9	Nonresidential	7.6	5.0	5.2	2.8	3.4
10	Structures	-1.8	-5.3	-5.7	-8.5	-11.1
11	Equipment	9.7	4.7	6.2	2.5	5.8
12	Intellectual property products	10.7	10.8	10.1	9.1	8.7
13	Residential	7.7	0.0	-4.0	-7.0	-13.5
14	Change in private inventories	---	---	---	---	---
15	Net exports of goods and services	---	---	---	---	---
16	Exports	6.6	6.0	4.8	6.9	11.4
17	Goods	5.3	4.9	3.2	5.5	11.3
18	Services	9.1	8.4	8.4	10.1	11.8
19	Imports	13.9	9.8	12.5	11.4	7.7
20	Goods	11.2	8.5	10.7	9.5	6.7
21	Services	29.3	16.8	22.5	21.8	12.9
22	Government consumption expenditures and gross investment	-0.4	-0.8	-0.6	-1.3	-0.8
23	Federal	0.2	-0.6	-3.0	-3.4	-2.7
24	National defense	-1.1	-5.1	-5.2	-3.9	-2.2
25	Nondefense	2.1	5.5	0.0	-2.9	-3.3
26	State and local	-0.7	-0.9	1.0	0.0	0.3

Table 8.2. Gross Domestic Income by Type of Income, Not Seasonally Adjusted

[Billions of dollars at quarterly rates]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Gross domestic income	5,860.8	6,293.8	6,234.8	6,283.8	---
2	Compensation of employees, paid	3,054.5	3,461.3	3,348.8	3,266.2	3,289.0
3	Wages and salaries	2,497.0	2,875.8	2,762.0	2,683.2	2,699.1
4	To persons	2,491.9	2,870.9	2,757.8	2,678.3	---
5	To the rest of the world	5.0	4.9	4.2	4.9	---
6	Supplements to wages and salaries	557.6	585.5	586.7	583.0	589.9
7	Taxes on production and imports	421.4	429.6	436.5	442.7	448.9
8	Less: Subsidies	136.6	72.2	36.3	30.9	28.5
9	Net operating surplus	1,552.5	1,478.9	1,457.4	1,545.2	---
10	Private enterprises	1,551.8	1,477.6	1,456.4	1,545.6	---
11	Net interest and miscellaneous payments, domestic industries	213.9	211.6	215.5	214.7	---
12	Business current transfer payments (net)	44.1	44.7	42.8	49.6	43.4
13	Proprietors' income with inventory valuation and capital consumption adjustments	449.5	460.5	438.8	458.3	468.0
14	Rental income of persons with capital consumption adjustment	180.7	184.9	186.2	194.0	198.6
15	Corporate profits with inventory valuation and capital consumption adjustments, domestic industries	663.5	576.0	573.1	629.1	---
16	Taxes on corporate income	98.1	97.3	119.4	112.2	---
17	Profits after tax with inventory valuation and capital consumption adjustments	565.4	478.6	453.7	516.8	---
18	Net dividends	352.4	357.8	349.3	354.2	---
19	Undistributed corporate profits with inventory valuation and capital consumption adjustments	213.0	120.9	104.5	162.7	---
20	Current surplus of government enterprises	0.8	1.3	1.0	-0.4	-1.4
21	Consumption of fixed capital	968.9	996.2	1,028.4	1,060.5	1,090.0
22	Private	805.6	828.8	855.6	882.7	908.6
23	Government	163.3	167.4	172.8	177.8	181.5
	Addendum:					
24	Statistical discrepancy	22.3	-90.4	-224.0	69.2	---

Table 8.3. Federal Government Current Receipts and Expenditures, Not Seasonally Adjusted

[Billions of dollars at quarterly rates]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Current receipts	1,054.9	1,165.4	1,252.0	1,266.0	---
2	Current tax receipts	643.2	713.6	780.7	779.2	---
3	Personal current taxes	518.9	591.7	648.5	638.3	642.7
4	Taxes on production and imports	45.6	48.1	49.6	51.2	51.2
5	Taxes on corporate income	71.0	65.8	74.3	80.9	---
6	Taxes from the rest of the world	7.7	7.9	8.4	8.8	8.2
7	Contributions for government social insurance	357.4	398.3	414.1	429.2	389.3
8	Income receipts on assets ¹	37.5	36.9	41.1	39.3	23.0
9	Current transfer receipts ²	16.3	16.5	16.0	19.1	15.7
10	Current surplus of government enterprises ³	0.5	0.2	0.1	-0.8	-1.1
11	Current expenditures	1,674.7	1,520.6	1,477.7	1,499.1	1,506.7
12	Consumption expenditures	307.2	312.8	313.3	320.5	315.2
13	Current transfer payments	1,082.8	985.7	977.5	985.7	979.0
14	Government social benefits	793.8	740.0	723.1	719.5	717.2
15	To persons	786.7	733.3	716.1	712.3	709.9
16	To the rest of the world ⁴	7.1	6.7	7.1	7.2	7.3
17	Other current transfer payments	289.0	245.7	254.3	266.3	261.8
18	Grants-in-aid to state and local governments	269.1	231.2	237.1	246.2	237.4
19	To the rest of the world ^{2,4}	19.9	14.5	17.2	20.1	24.4
20	Interest payments ¹	148.2	150.1	150.8	162.1	184.1
21	To persons and business ¹	111.0	111.8	110.8	120.7	---
22	To the rest of the world	37.2	38.3	40.0	41.5	---
23	Subsidies ³	136.4	72.1	36.1	30.7	28.4
24	Net federal government saving	-619.7	-355.2	-225.7	-233.1	---
	Addenda:					
25	Gross government investment	91.2	93.4	91.4	94.4	93.9
26	Consumption of fixed capital	81.3	82.8	84.6	86.4	87.8

Legend / Footnotes:

1. Beginning with 1947, includes receipts from the leasing of federally owned lands and mineral deposits. Beginning with 1960, includes interest receipts. Prior to 1960, interest receipts are included in interest payments (line 20), which are shown net of interest receipts. Interest payments to persons and business includes interest accrued on the actuarial liabilities of defined benefit pension plans for federal government employees.

2. Prior to 1999, current transfer payments to the rest of the world are net of current transfer receipts from the rest of the world.

3. Prior to 1959, subsidies (line 23) and the current surplus of government enterprises (line 10) are not shown separately; subsidies are presented net of the current surplus of government enterprises.

4. Prior to 1960, government social benefits to the rest of the world (line 16) are included in line 19, 'other current transfer payments to the rest of the world.'

Table 8.4. State and Local Government Current Receipts and Expenditures, Not Seasonally Adjusted

[Billions of dollars at quarterly rates]

Last Revised On: Oct 27 2022 8:30AM - Next Release Date: Nov 30 2022 8:30AM

Line		2021		2022		
		Q3	Q4	Q1	Q2	Q3
1	Current receipts	870.9	853.2	881.8	887.0	---
2	Current tax receipts	533.0	551.8	573.7	566.4	---
3	Personal current taxes	133.6	142.7	145.3	147.5	143.1
4	Taxes on production and imports	375.8	381.4	386.9	391.5	397.7
5	Taxes on corporate income	23.6	27.6	41.5	27.4	---
6	Contributions for government social insurance	5.8	5.9	5.9	5.9	6.0
7	Income receipts on assets	26.7	26.9	27.1	27.2	27.4
8	Current transfer receipts	305.0	267.6	274.2	287.0	275.3
9	Federal grants-in-aid	269.1	231.2	237.1	246.2	237.4
10	From business (net)	14.1	14.3	14.5	17.9	14.9
11	From persons	21.8	22.1	22.5	22.8	23.1
12	From the rest of the world	0.1	0.0	0.1	0.1	0.0
13	Current surplus of government enterprises	0.3	1.1	0.9	0.5	-0.3
14	Current expenditures	818.4	858.7	845.1	903.2	875.0
15	Consumption expenditures	517.1	559.2	541.9	593.9	563.6
16	Current transfer payments	229.5	228.9	233.8	241.1	244.2
17	Government social benefit payments to persons	229.5	228.9	233.8	241.1	244.2
18	Current transfer payments to the rest of the world	0.0	0.0	0.0	0.0	0.0
19	Interest payments ¹	71.6	70.5	69.2	68.0	67.0
20	To persons and business ¹	70.7	69.6	68.3	67.0	---
21	To the rest of the world	0.9	0.9	0.9	0.9	---
22	Subsidies	0.2	0.2	0.2	0.2	0.2
23	Net state and local government saving	52.5	-5.5	36.7	-16.2	---
	Addenda:					
24	Gross government investment	128.1	110.8	96.9	120.9	136.7
25	Consumption of fixed capital	82.0	84.6	88.2	91.4	93.7

Legend / Footnotes:

1. Interest payments includes interest accrued on the actuarial liabilities of defined benefit pension plans for state and local government employees.

The 2022 Annual Update of the National Economic Accounts

The U.S. Bureau of Economic Analysis (BEA) released its annual update of the National Economic Accounts (NEAs), which include the National Income and Product Accounts (NIPAs) and the Industry Economic Accounts (IEAs), on September 29. As part of BEA's ongoing efforts to harmonize the production and publication of the NIPAs, the IEAs, and the Regional Economic Accounts (REAs), improvements incorporated as part of the NEA annual update impacted all three sets of accounts, and each account reflected the same update period. The annual update of the REAs was released on September 30.

This is the first time BEA has produced and published annual updates of the NIPAs, IEAs, and REAs concurrently. In the past, publication of the updated statistics was spread over multiple months beginning with July and ending in October. Following the synchronization of the quarterly NIPA, IEA, and REA statistics introduced in September 2020, coordinating the annual updates for these three major dimensions of gross domestic product (GDP) was an important next step to provide consistency across the accounts and give users a more complete view of the U.S. economy.¹

The update of the NEAs covered the first quarter of 2017 through the first quarter of 2022 and resulted in revisions to GDP, GDP by industry, gross domestic income (GDI), and related components. The reference year for index numbers and chained-dollar estimates remains 2012.

The impacts of the annual update on the NIPA and IEA estimates are summarized in the tables and charts provided in this article. Refer to [“Information on Updates to the National Economic Accounts”](#) for additional background materials and results. (In particular, the [“Summary of Results”](#) tables include detail on quarterly revisions through 2021 and revisions to selected time spans.)

Sources of Revision

The updated NIPA and IEA estimates reflect the incorporation of newly available and revised source data—the primary driver of this year's revisions—as well as the adoption of improved estimating methods and, for quarterly and monthly measures, the incorporation of updated seasonal adjustment factors.

Major source data

The major source data incorporated into the NIPAs as part of this year's update are summarized in table 1, and additional information on the NIPA components affected by the incorporation of newly available and revised source data is provided in the table [“NIPA Revisions: Components Detail and Major Source Data and Conceptual Changes Incorporated, 2017–2021,”](#) available on the [“Updates”](#) page on BEA's website. The major source data underlying the GDP by industry estimates are presented in tables C1–C3 of appendix C.

Source data that affected the estimates include the following:

- New U.S. Census Bureau (Census) Service Annual Survey (SAS) data for 2020 and revised SAS data for 2017 through 2019, which replaced previously incorporated SAS data. Most notably, SAS data impacted estimates of consumer spending for services and estimates of private fixed investment in intellectual property products as well as gross output for private services-producing industries.
- Revised Internal Revenue Service (IRS) tabulations of tax returns for corporations and for sole proprietorships for 2019 and new IRS tabulations of tax returns data for 2020 for corporations, sole proprietorships, and partnerships, which affected estimates of corporate profits, proprietors' income, and net interest.
- New Census Annual Survey of Manufactures (ASM) data for 2020 and revised ASM data for 2019, which replaced Census monthly industry shipments and inventories data, and revised monthly industry shipments and inventories data for 2017–2021, all of which impacted estimates of private investment in equipment and inventories as well as gross output for manufacturing industries.
- New Census Annual Retail Trade Survey (ARTS) data for 2020, which replaced Census Monthly Retail Trade Survey (MRTS) data, and revised ARTS data for 2017–2019, both of which impacted estimates of consumer spending for goods and private inventory investment in the NIPAs and estimates of retail trade output in the IEAs.
- Revised U.S. Bureau of Labor Statistics (BLS) Quarterly Census of Employment and Wages (QCEW) data for 2017–2021, which impacted estimates of private and government compensation.
- Revised U.S. Department of Agriculture (USDA) farm statistics for 2017–2021, which impacted estimates of farm output, inventory investment, and proprietors' income.
- Revised BEA International Transactions Accounts (ITAs) data for 2017–2021, which impacted estimates of exports and imports of goods and services and income flows with the rest of the world.
- Revised Census Annual Survey of State and Local Government Finances (GF) data for fiscal years 2017–2019 and newly available GF data for 2020, which impacted estimates of state and local government spending.

Table 1. Summary of Major Source Data Incorporated

Agency	Data	Years covered and vintage
Census Bureau	Annual Capital Expenditures Survey	2019 (revised) 2020 (new)
	Annual Wholesale Trade Survey	2017-2019 (revised) 2020 (new)
	Annual Retail Trade Survey	2017-2019 (revised) 2020 (new)
	Annual Survey of Manufactures	2019 (revised) 2020 (new)
	Monthly indicators of manufactures, merchant wholesale trade, and retail trade	2017-2021 (revised)
	Service Annual Survey	2017-2019 (revised) 2020 (new)
	Annual Survey of State and Local Government Finances	Fiscal years 2017-2019 (revised) Fiscal year 2020 (new)
	Value of Construction Put in Place Survey	2017-2021 (revised)
	Quarterly Services Survey	2017-2021 (revised)
	Current Population Survey/Housing Vacancy Survey	2017-2020 (revised) 2021 (new)
Office of Management and Budget	Federal budget	Fiscal year 2021 (revised) Fiscal year 2022 (new)
Internal Revenue Service	Tabulations of tax returns for corporations and for sole proprietorships	2019 (revised) 2020 (new)
	Tabulations of tax returns for partnerships	2020 (new)
Bureau of Labor Statistics	Quarterly Census of Employment and Wages	2017-2021 (revised)
	Occupational Employment Statistics program	2021 (new)
Department of Agriculture	Farm statistics	2017-2021 (revised)
Bureau of Economic Analysis	International Transactions Accounts	2017-2021 (revised)

Methodology improvements

The annual update incorporated improvements to estimating methodologies² and to the presentation of the estimates, including the following:

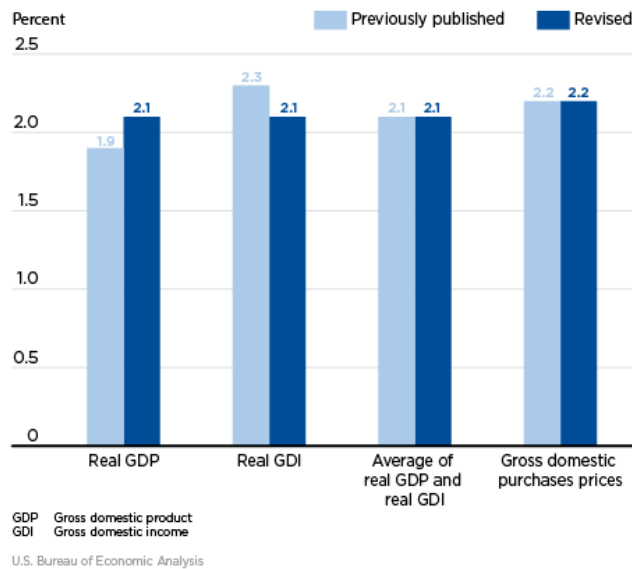
- BEA improved the supply-use framework to reflect transactions related to ventilator production by auto manufacturers and ventilator purchases by the federal government in 2020 in response to the COVID-19 pandemic. This change resulted in a modification of the composition of gross output for the motor vehicle industry and the composition of government investment in the second and third quarters of 2020 to account for the production and purchase of these ventilators.
- The classification of subsidies introduced as part of the response to the COVID-19 pandemic is improved by distinguishing between “subsidies on products” and “other subsidies on production;” select column and row labels in the supply-use tables (SUTs) have been updated accordingly. This change better aligns BEA's SUTs with international standards and primarily affects gross output valued at basic prices in the supply table and value added at basic prices in the use table.
- BEA improved the deflator for consumer spending and for private fixed investment for used auto and used light truck margin estimates. The consumer price index for used autos and used light trucks replaced the margin producer price index (PPI) for used vehicles sold at new car dealers.
- As with every annual update, the revised estimates incorporate updated quarterly and monthly seasonal factors that capture changes in seasonal patterns that emerge over time. The updated seasonal factors reflect a mix of data that are seasonally adjusted by source agencies as well as data directly adjusted by BEA.

Updates to Annual NIPA Measures, 2017–2021

GDP and expenditure components

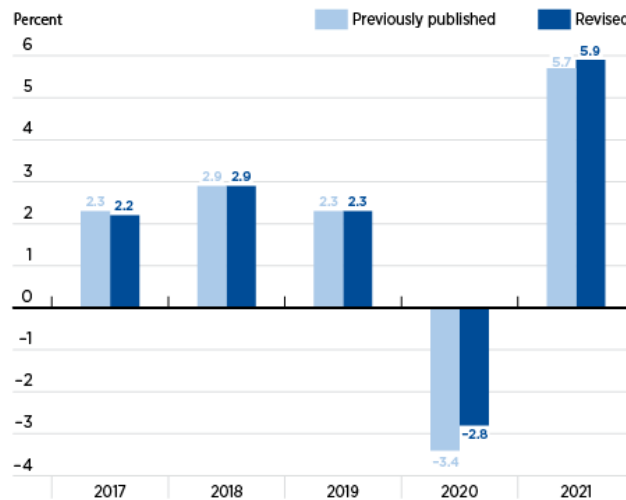
The general picture of economic growth from 2016 to 2021 was unchanged, and updates to the percent change in real GDP and related aggregates were small (table 2A and chart 1). The revisions to real GDP and its components primarily reflect revisions to current-dollar measures; price measures were not significantly revised.

Chart 1. Percent Change over the Period 2016 to 2021



Details on the revisions to the percent change in real GDP are presented in table 2A, and details on the contributions to those revisions are presented in table 2B. Details on revisions, and contributions to revisions, for each expenditure component of real GDP are presented in appendix A (tables A1–A12). As noted above, the major source data incorporated for each component of GDP and GDI are presented in the annual update table “[NIPA Revisions: Components Detail and Major Source Data and Conceptual Changes Incorporated, 2017–2021](#).”

Chart 2. Change in Real GDP



GDP Gross domestic product
 U.S. Bureau of Economic Analysis

- The downward revision to real GDP growth for 2017 was primarily led by a downward revision to consumer spending on services; a downward revision to state and local government spending also contributed (table 2B and chart 2).³ Within consumer services, the revision was led by spending on financial services, based on revised data from the Federal Reserve Board's (FRB's) Financial Accounts of the United States and by expenditures by nonprofit institutions serving households, based on revised SAS data from Census (appendix table A2). The revision to state and local government was based primarily on revised data from the Census GF survey.
- For 2018, real GDP growth was unrevised, primarily reflecting an upward revision to state and local government spending, based on revised Census GF data, that was offset by an upward revision to imports (a subtraction in the calculation of GDP) based on revised ITA data (table 2B).
- For 2019, real GDP growth was unrevised, reflecting upward revisions to state and local government spending, based on new GF data, and to exports, based on revised ITA data. These upward revisions were offset by downward revisions to consumer spending, led by financial services, based primarily on revised FRB data from the Financial Accounts of the United States, and to nonresidential fixed investment—led by transportation equipment—based on revised ASM data (table 2B and appendix tables A2 and A4).
- The revisions showed a smaller decrease in real GDP for 2020, led by an upward revision to consumer spending on both services and goods (table 2B). Revisions to “other” services, health care, and recreation primarily reflect newly available SAS and revised Quarterly Services Survey (QSS) data, both from Census. Revisions to recreational goods and vehicles as well as furnishings and durable household equipment primarily reflect newly available ARTS data from Census and revised trade source data (appendix table A2).
- The upward revision to real GDP growth for 2021 was led by upward revisions to consumer spending on services, exports of services, and federal government spending that were partly offset by downward revisions to nonresidential fixed investment and state and local government spending (table 2B). Within consumer spending on services, the revision was led by “other” services, based primarily on revised QSS data and revised trade data from BEA's ITAs (appendix table A2). Within exports, the upward revision to services was led by “other business services,” based on revised data from BEA's ITAs (appendix table A8). The downward revision to nonresidential fixed investment was largely due to revisions to equipment, based on revised monthly shipments data from Census' Manufacturers' Shipments, Inventories, and Orders Survey (appendix table A4).

Table 2A. Real Gross Domestic Product (GDP): Percent Change from Preceding Period

Line number	Series	Share of current-dollar GDP	Change from preceding period					Revision in percent change					
			Percent	Percent (annual rate)					(Percentage points)				
				2021	2017	2018	2019	2020	2021	2017	2018	2019	2020
1	Gross domestic product	100.0	2.2	2.9	2.3	-2.8	5.9	-0.1	0.0	0.0	0.6	0.2	
2	Personal consumption expenditures	68.2	2.4	2.9	2.0	-3.0	8.3	0.0	0.0	-0.2	0.8	0.4	
3	Goods	23.6	3.9	3.9	3.1	5.2	12.2	0.0	-0.1	-0.3	0.6	0.0	
4	Durable goods	8.8	6.4	6.8	3.8	10.0	18.5	0.1	-0.2	-0.5	2.3	0.4	
5	Nondurable goods	14.7	2.6	2.5	2.8	2.7	8.8	-0.1	0.0	-0.1	-0.4	-0.3	
6	Services	44.6	1.7	2.4	1.5	-6.6	6.3	-0.1	0.0	-0.2	0.9	0.5	
7	Gross private domestic investment	17.6	4.1	5.7	2.8	-5.3	9.0	0.1	0.0	-0.6	0.2	-0.8	
8	Fixed investment	17.7	4.1	4.9	2.5	-2.3	7.4	0.0	0.1	-0.7	0.4	-0.4	
9	Nonresidential	13.0	4.1	6.5	3.6	-4.9	6.4	0.0	0.1	-0.7	0.4	-1.0	
10	Structures	2.6	4.4	4.1	2.3	-10.1	-6.4	0.2	0.1	0.3	2.4	1.6	
11	Equipment	5.1	2.8	6.6	1.3	-10.5	10.3	0.0	0.2	-2.0	-2.2	-2.8	
12	Intellectual property products	5.3	5.6	8.1	7.3	4.8	9.7	-0.1	0.0	0.1	2.0	-0.3	
13	Residential	4.8	4.0	-0.6	-1.0	7.2	10.7	0.0	0.0	-0.1	0.4	1.5	
14	Change in private inventories	-0.1	---	---	---	---	---	---	---	---	---	---	
15	Net exports of goods and services	-3.7	---	---	---	---	---	---	---	---	---	---	
16	Exports	10.9	4.3	2.8	0.5	-13.2	6.1	0.2	0.0	0.6	0.4	1.6	
17	Goods	7.5	4.1	4.2	0.1	-10.1	7.4	0.0	0.0	0.2	0.1	-0.2	
18	Services	3.4	4.5	0.2	1.2	-18.8	3.3	0.5	0.0	1.3	1.0	4.8	
19	Imports	14.6	4.5	4.2	1.1	-9.0	14.1	0.1	0.1	-0.1	-0.1	0.1	
20	Goods	12.2	4.5	5.1	0.5	-5.8	14.5	0.0	0.0	0.0	-0.2	-0.1	
21	Services	2.4	4.6	0.5	4.0	-22.0	12.3	0.3	0.5	0.1	0.6	0.8	
22	Government consumption expenditures and gross investment	17.8	0.4	1.7	3.3	2.6	0.6	-0.1	0.3	1.1	0.1	0.1	
23	Federal	6.9	0.4	3.0	3.9	6.2	2.3	0.1	0.0	0.1	1.2	1.7	
24	National defense	3.9	0.9	3.3	5.3	2.9	-1.2	0.0	-0.1	0.1	0.0	-0.3	
25	Nondefense	3.0	-0.3	2.5	1.9	11.2	7.3	0.2	0.0	0.3	3.1	4.5	
26	State and local	10.9	0.4	0.9	3.0	0.4	-0.5	-0.2	0.5	1.7	-0.5	-0.9	

Note. Percent changes are from [NIPA table 1.1.1](#) and shares are from [NIPA table 1.1.10](#).

Table 2B. Real Gross Domestic Product: Contributions to Percent Change

Line number	Series	Contributions to percent change					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Gross domestic product	2.2	2.9	2.3	-2.8	5.9	-0.1	0.0	0.0	0.6	0.2
	Percentage points at annual rates:										
2	Personal consumption expenditures	1.62	1.95	1.34	-2.01	5.54	-0.03	-0.01	-0.14	0.54	0.27
3	Goods	0.82	0.83	0.66	1.07	2.72	0.00	-0.01	-0.05	0.11	0.03
4	Durable goods	0.45	0.48	0.27	0.70	1.46	0.01	-0.01	-0.03	0.16	0.07
5	Nondurable goods	0.37	0.35	0.39	0.37	1.26	-0.01	0.00	-0.01	-0.05	-0.05
6	Services	0.80	1.12	0.69	-3.08	2.83	-0.03	-0.01	-0.09	0.44	0.25
7	Gross private domestic investment	0.70	0.99	0.49	-0.95	1.55	0.02	0.01	-0.11	0.04	-0.17
8	Fixed investment	0.69	0.84	0.44	-0.40	1.30	0.00	0.02	-0.11	0.07	-0.07
9	Nonresidential	0.54	0.86	0.48	-0.67	0.83	0.01	0.01	-0.11	0.06	-0.14
10	Structures	0.13	0.13	0.07	-0.32	-0.19	0.00	0.01	0.01	0.07	0.04
11	Equipment	0.16	0.37	0.07	-0.59	0.52	0.00	0.01	-0.12	-0.11	-0.17
12	Intellectual property products	0.25	0.36	0.34	0.23	0.50	0.00	0.00	0.01	0.09	-0.01
13	Residential	0.15	-0.02	-0.04	0.28	0.47	0.00	0.00	0.00	0.02	0.08
14	Change in private inventories	0.00	0.15	0.05	-0.55	0.24	0.01	-0.01	0.00	-0.03	-0.11
15	Net exports of goods and services	-0.15	-0.29	-0.11	-0.26	-1.25	0.01	-0.02	0.07	0.03	0.15
16	Exports	0.51	0.35	0.06	-1.54	0.64	0.02	0.00	0.07	0.03	0.17
17	Goods	0.32	0.34	0.01	-0.76	0.52	0.00	0.00	0.01	0.00	0.00
18	Services	0.19	0.01	0.05	-0.78	0.12	0.02	0.00	0.05	0.03	0.17
19	Imports	-0.66	-0.63	-0.17	1.28	-1.89	-0.01	-0.01	0.00	0.00	-0.01
20	Goods	-0.53	-0.62	-0.06	0.67	-1.61	0.00	0.00	0.01	0.02	0.00
21	Services	-0.13	-0.01	-0.11	0.61	-0.28	-0.01	-0.01	0.00	-0.02	-0.02
22	Government consumption expenditures and gross investment	0.08	0.29	0.58	0.45	0.11	-0.01	0.05	0.20	0.02	0.02
23	Federal	0.03	0.19	0.25	0.41	0.17	0.01	-0.01	0.00	0.08	0.13
24	National defense	0.04	0.13	0.20	0.12	-0.05	0.00	0.00	0.00	0.01	-0.01
25	Nondefense	-0.01	0.07	0.05	0.30	0.22	0.00	0.00	0.01	0.09	0.14
26	State and local	0.05	0.10	0.32	0.04	-0.06	-0.02	0.06	0.18	-0.06	-0.10

Note. Contributions are from [NIPA table 1.1.2](#).

Prices

Revisions to BEA's various price measures, such as gross domestic purchases, GDP, and personal consumption expenditures (PCE), were small and reflect revised and newly available source data and, for the most recent year (2021), the regular incorporation of annual weights (tables 3A-3B).

- The percent change in the gross domestic purchases price index—a measure of the prices paid by consumers, businesses, and governments—was unrevised for 2017–2019 and was revised up for 2020–2021.
- The percent change in GDP prices was unrevised for 2017–2020 and was revised up for 2021.
- The percent change in PCE prices was unrevised for 2017–2019, was revised down for 2020, and was revised up for 2021.

Table 3A. Prices for Gross Domestic Purchases: Percent Change from Previous Period

Line number	Series	Change from preceding period					Revision in percent change				
		Percent (annual rate)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Gross domestic purchases	1.9	2.3	1.5	1.3	4.2	0.0	0.0	0.0	0.1	0.3
2	Personal consumption expenditures	1.8	2.1	1.5	1.1	4.0	0.0	0.0	0.0	-0.1	0.1
3	Goods	0.3	0.8	-0.4	-0.7	4.9	0.0	0.1	0.1	0.0	-0.1
4	Durable goods	-2.3	-1.5	-1.0	-0.9	5.6	0.0	0.2	0.2	-0.1	-0.7
5	Nondurable goods	1.6	1.9	-0.1	-0.7	4.5	0.0	0.0	0.0	0.0	0.2
6	Services	2.5	2.8	2.4	2.0	3.6	0.0	0.0	0.0	-0.1	0.3
7	Gross private domestic investment	1.7	1.9	1.6	1.3	3.6	0.0	0.0	0.0	0.1	0.3
8	Fixed investment	1.7	1.9	1.6	1.4	4.0	0.0	0.0	0.0	0.2	0.1
9	Nonresidential	0.9	0.8	1.3	0.8	1.7	0.1	0.0	0.0	0.2	0.1
10	Structures	2.5	1.5	4.1	1.3	4.1	-0.1	-0.1	0.0	-0.2	-1.5
11	Equipment	0.0	0.1	0.1	-0.5	0.4	0.1	0.0	0.0	-0.1	0.1
12	Intellectual property products	0.9	1.2	0.9	1.8	1.6	0.1	0.1	0.0	0.4	0.6
13	Residential	4.5	5.6	2.9	3.3	11.1	0.0	0.0	0.0	0.0	0.1
14	Change in private inventories	---	---	---	---	---					
15	Government consumption expenditures and gross investment	2.3	3.7	1.7	1.9	5.3	-0.1	0.0	0.0	0.5	0.8
16	Federal	1.8	2.9	1.8	1.1	3.4	-0.1	0.0	0.0	0.0	-0.2
17	National defense	1.6	2.8	1.6	1.1	3.7	0.0	0.1	0.0	0.0	0.0
18	Nondefense	2.2	3.1	2.1	1.1	3.0	-0.2	-0.1	-0.1	-0.1	-0.5
19	State and local	2.6	4.1	1.6	2.4	6.5	0.0	0.0	-0.1	0.8	1.4
Addenda											
20	Gross domestic purchases:										
21	Food	-0.1	0.5	1.0	3.4	3.0	0.0	0.0	0.0	0.0	0.4
22	Energy goods and services	8.7	8.1	-2.2	-8.6	20.4	0.0	0.0	0.0	0.1	-0.1
23	Excluding food and energy	1.8	2.3	1.7	1.4	3.9	0.0	0.0	0.0	0.0	0.3
24	Personal consumption expenditures:										
25	Food and beverages purchased for off-premises consumption	-0.1	0.5	1.0	3.4	3.2	0.0	0.0	0.0	0.0	0.1
26	Energy goods and services	8.7	8.0	-2.1	-8.5	20.8	0.0	0.0	0.0	0.0	0.5
27	Excluding food and energy	1.7	2.0	1.7	1.3	3.5	0.0	0.0	0.0	-0.1	0.2
28	Gross domestic product (GDP)	1.9	2.4	1.8	1.3	4.5	0.0	0.0	0.0	0.0	0.3
29	Exports of goods and services	2.6	3.4	-0.5	-2.4	11.5	0.0	0.0	0.0	0.1	-0.3
30	Imports of goods and services	2.2	2.7	-1.6	-2.2	7.4	0.0	-0.1	0.0	0.0	0.0

Note. Most percent changes are from [NIPA table 1.6.7](#); percent changes for PCE for food and energy goods and services and for PCE excluding food and energy are from [NIPA table 2.3.7](#). GDP, export, and import prices are from [NIPA table 1.1.7](#).

Table 3B. Contributions to Prices for Gross Domestic Purchases

Line number	Series	Contribution to percent change in prices					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Gross domestic purchases	1.9	2.3	1.5	1.3	4.2	0	0	0	0.1	0.3
	Percentage points at annual rates:										
2	Personal consumption expenditures	1.21	1.41	0.98	0.72	2.64	0.00	0.00	0.01	-0.06	0.10
3	Goods	0.06	0.16	-0.08	-0.16	1.07	0.00	0.01	0.02	-0.01	-0.08
4	Durable goods	-0.16	-0.11	-0.07	-0.07	0.44	0.00	0.01	0.01	-0.01	-0.08
5	Nondurable goods	0.23	0.27	-0.01	-0.09	0.63	0.00	0.00	0.00	0.00	0.01
6	Services	1.15	1.25	1.06	0.88	1.56	0.00	-0.02	-0.01	-0.04	0.16
7	Gross private domestic investment	0.28	0.32	0.28	0.22	0.61	0.00	0.00	0.00	0.01	0.05
8	Fixed investment	0.28	0.32	0.28	0.23	0.68	0.00	0.00	0.00	0.02	0.00
9	Nonresidential	0.11	0.11	0.17	0.10	0.21	0.00	0.00	0.00	0.01	0.01
10	Structures	0.07	0.05	0.12	0.04	0.11	-0.01	0.00	0.00	0.00	-0.03
11	Equipment	0.00	0.01	0.01	-0.03	0.02	0.00	0.00	0.00	-0.01	0.00
12	Intellectual property products	0.04	0.05	0.04	0.09	0.08	0.00	0.00	0.00	0.02	0.03
13	Residential	0.17	0.21	0.11	0.13	0.47	0.00	0.00	0.00	0.00	0.00
14	Change in private inventories	0.00	0.00	0.00	-0.01	-0.07	0.00	0.00	0.00	0.00	0.05
15	Government consumption expenditures and gross investment	0.40	0.62	0.29	0.33	0.93	0.00	0.00	0.00	0.08	0.15
16	Federal	0.12	0.18	0.12	0.08	0.23	0.00	0.00	0.00	0.01	-0.01
17	National defense	0.06	0.10	0.06	0.05	0.15	0.00	0.00	0.00	0.01	0.00
18	Nondefense	0.06	0.08	0.05	0.03	0.09	0.00	0.00	-0.01	0.00	-0.01
19	State and local	0.28	0.44	0.17	0.26	0.70	0.00	0.01	0.00	0.09	0.17
	Addenda										
20	Gross domestic purchases										
21	Food	-0.01	0.02	0.05	0.17	0.15	0.00	0.00	0.00	0.00	0.01
22	Energy goods and services	0.22	0.21	-0.06	-0.22	0.46	0.00	0.00	0.00	0.01	0.00
23	Excluding food and energy	1.67	2.11	1.56	1.33	3.57	-0.01	0.00	0.00	0.04	0.29

Note. Contributions are from [NIPA table 1.6.8](#).

Income

Revisions to the components of national income and GDI primarily reflect the incorporation of revised IRS Statistics of Income (SOI) data, new and revised QCEW data, revised ITA data, and data from the U.S. Department of the Treasury (Treasury) (table 4).

- The downward revision for 2017 reflects small revisions across several components.
- The downward revision for 2018 primarily reflects a revision to farm proprietors' income based on new USDA Agricultural Resource Management Survey data.
- The upward revision for 2019 primarily reflects upward revisions to financial and nonfinancial corporate profits and to net interest payments, based on revised SOI data for domestic profits and revised ITA data for profits from the rest of the world.
- The upward revision for 2020 was led by a downward revision to subsidies, as pandemic-related tax credits were revised down by over \$100 billion, based on data from the Treasury's Office of Tax Analysis on claims filed for tax credits to fund paid sick leave (as part of the Families First Coronavirus Response Act), and Employee Retention Credits (as part of the Coronavirus Aid, Relief, and Economic Security Act).⁴ Upward revisions to net interest payments, compensation of employees, and corporate profits also contributed.
- The revision for 2021 reflects downward revisions to several income components including wages and salaries, primarily based on QCEW data; farm proprietors' income, primarily based on data from the USDA Economic Research Service's February Farm Income Forecast; corporate profits, particularly profits received by the rest of the world, based on ITA data; and net interest.

One of the most notable impacts of the annual update is on the statistical discrepancy (table 5 and chart 3). In theory, GDI should equal GDP, but in practice, they differ because their components are estimated using largely independent source data; the statistical discrepancy had increased significantly for 2021 in the previously published estimates. The upward revision to GDP and the downward revision to GDI for 2021 resulted in a sizeable revision to the discrepancy (from $-\$537.3$ billion to $-\$128.9$ billion). With the revision, the statistical discrepancy as a percent of GDP is -0.6 percent; the average, without regard to sign, over the last 20 years, is 0.8 percent.

Table 4. National Income by Type of Income

[Billions of dollars]

Line number	Series	Level					Revision in level					Revision in change				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	National income	16,766.8	17,661.7	18,327.9	17,894.6	19,785.5	-8.1	-11.6	54.9	183.9	-152.4	-8.1	-3.5	66.5	129	-336.4
2	Compensation of employees	10,424.4	10,957.9	11,448.1	11,592.7	12,538.5	-1.8	-1.6	0.4	20.6	-60.2	-1.7	0.1	2	20.2	-80.8
3	Wages and salaries	8,474.4	8,900.0	9,324.6	9,457.4	10,290.1	-0.3	-0.5	1.1	13.3	-53.7	-0.2	-0.2	1.6	12.2	-67
4	Government	1,348.2	1,402.0	1,450.5	1,494.5	1,544.1	0.2	0.6	0.2	0	8.7	0.2	0.4	-0.3	-0.3	8.8
5	Other	7,126.2	7,498.1	7,874.1	7,962.9	8,746.0	-0.5	-1.1	0.8	13.3	-62.3	-0.5	-0.5	1.9	12.5	-75.6
6	Supplements to wages and salaries	1,950.0	2,057.9	2,123.5	2,135.4	2,248.4	-1.5	-1.1	-0.6	7.3	-6.5	-1.5	0.3	0.4	7.9	-13.8
7	Employer contributions for employee pension and insurance funds	1,345.3	1,433.1	1,472.9	1,476.2	1,550.3	-1.2	-1.2	-1.7	11.9	23.9	-1.2	0	-0.5	13.6	12
8	Employer contributions for government social insurance	604.7	624.8	650.7	659.1	698.1	-0.3	0	1.1	-4.5	-30.4	-0.3	0.3	1	-5.6	-25.8
9	Proprietors' income with IVA and CCAdj	1,504.6	1,568.7	1,601.4	1,643.1	1,753.6	-1.2	-11.7	2.5	-6.9	-68.3	-1.2	-10.5	14.2	-9.4	-61.4
10	Farm	39.1	29.2	29.1	45.2	51.3	-0.4	-9.7	-9.3	-25	-46.4	-0.4	-9.4	0.5	-15.7	-21.4
11	Nonfarm	1,465.5	1,539.5	1,572.3	1,597.9	1,702.2	-0.8	-2	11.8	18.1	-21.9	-0.9	-1.1	13.8	6.2	-40
12	Rental income of persons with CCAdj	650.6	680.0	698.2	719.8	723.8	-2.1	-1.9	6.1	8.3	-2.6	-2.2	0.2	8	2.1	-10.8
13	Corporate profits with IVA and CCAdj	2,128.6	2,311.9	2,402.2	2,260.1	2,771.1	-0.3	7	34.4	16.3	-34.7	-0.3	7.3	27.4	-18.1	-51
14	Taxes on corporate income	297.3	297.7	297.4	288.9	388.2	-15	16.1	-4.8	13.3	7	-14.9	31.1	-20.9	18	-6.3
15	Profits after tax with IVA and CCAdj	1,831.2	2,014.3	2,104.7	1,971.2	2,382.8	14.6	-9.2	39.1	3.1	-41.8	14.7	-23.8	48.3	-36	-44.8
16	Net dividends	1,264.1	1,338.4	1,531.2	1,541.3	1,659.3	0	0	144.8	146.5	240.7	0	0	144.8	1.6	94.2
17	Undistributed profits with IVA and CCAdj	567.1	675.9	573.5	429.9	723.6	14.6	-9.2	-105.7	-143.4	-282.4	14.7	-23.8	-96.5	-37.8	-139
18	Net interest and miscellaneous payments	609.0	594.1	571.2	665.8	644.1	-3.5	-4.6	13	47	-42	-3.5	-1.1	17.6	34	-89
19	Taxes on production and imports	1,367.4	1,461.4	1,530.0	1,526.3	1,663.4	1.1	-0.3	-2.3	-8.4	22.3	1.1	-1.4	-2	-6	30.6
20	Less: Subsidies	59.9	63.3	73.0	657.3	481.9	0	0	0	-104.1	-11.1	0	0	0	-104.1	93
21	Business current transfer payments (net)	148.7	158.9	164.0	144.1	171.0	-0.4	0.9	1.7	-14.5	7	-0.4	1.3	0.9	-16.2	21.5
22	To persons (net)	48.3	50.1	55.1	44.1	71.0	-0.5	-0.2	-0.8	-15.8	4	-0.5	0.3	-0.6	-14.9	19.8
23	To government (net)	99.7	104.8	97.5	97.5	97.4	0.1	1	1.7	-0.3	2.1	0	1	0.7	-2	2.4
24	To the rest of the world (net)	0.7	4.1	11.4	2.5	2.7	0	0	0.8	1.6	0.9	0	0	0.8	0.8	-0.7
25	Current surplus of government enterprises	-6.5	-7.9	-14.2	-0.1	2.1	0.1	0.7	-0.9	17.3	15	0.1	0.6	-1.7	18.3	-2.3

CCAdj Capital consumption adjustment

IVA Inventory valuation adjustment

Note. Dollar levels are from [NIPA table 1.12](#).

Table 5. Relation of Gross Domestic Product, Gross Domestic Income, Gross National Income, National Income, and Personal Income

[Billions of dollars]

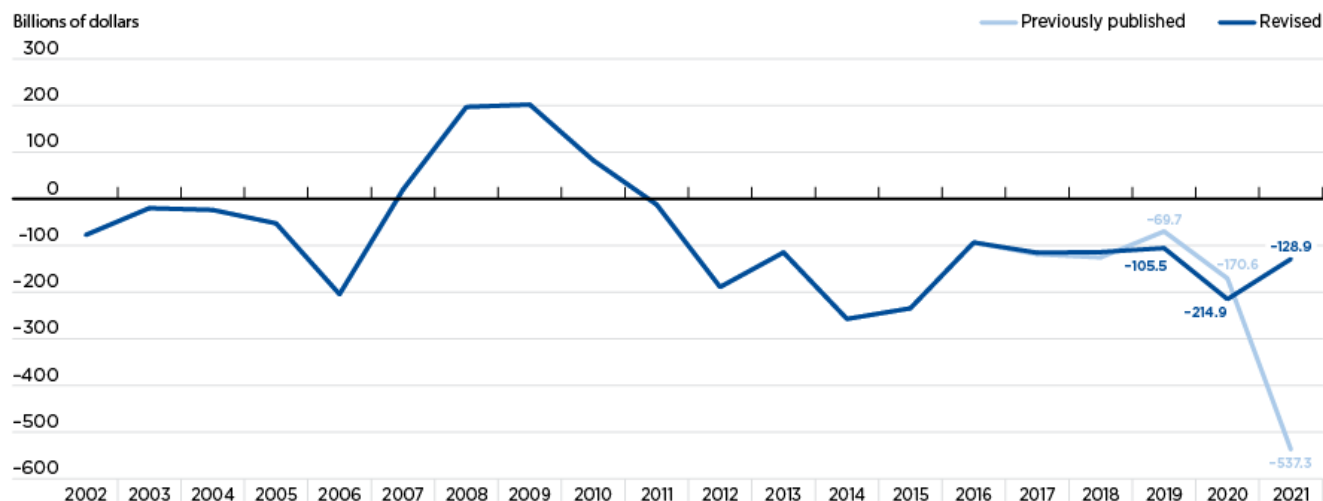
Line number	Series	Level					Revision in level					Revision in change				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Gross domestic product	19,477.3	20,533.1	21,381.0	21,060.5	23,315.1	-2.3	5.9	8.4	166.7	319.0	-2.3	8.2	2.5	158.3	152.3
2	Less: Statistical discrepancy	-115.3	-114.0	-105.5	-214.9	-128.9	3.6	11.5	-35.9	-44.4	408.4	3.7	7.9	-47.3	-8.5	452.8
3	Equals: Gross domestic income	19,592.6	20,647.0	21,486.5	21,275.4	23,444.0	-5.9	-5.6	44.3	211.1	-89.4	-5.9	0.3	49.8	166.8	-300.5
4	Plus: Income receipts from the rest of the world	1,031.1	1,138.7	1,172.2	971.3	1,087.0	-1.6	-3.5	11.9	-21.6	-58.0	-1.6	-1.8	15.3	-33.5	-36.4
5	Less: Income payments to the rest of the world	738.2	848.4	894.2	774.3	913.9	0.0	0.4	0.2	3.7	21.3	0.0	0.4	-0.2	3.5	17.6
6	Equals: Gross national income	19,885.6	20,937.4	21,764.5	21,472.4	23,617.1	-7.5	-9.4	55.9	185.7	-168.7	-7.5	-1.9	65.3	129.8	-354.4
7	Less: Consumption of fixed capital	3,118.7	3,275.6	3,436.6	3,577.8	3,831.6	0.6	2.2	1.0	1.9	-16.3	0.6	1.6	-1.1	0.9	-18.2
8	Equals: National income	16,766.8	17,661.7	18,327.9	17,894.6	19,785.5	-8.1	-11.6	54.9	183.9	-152.4	-8.1	-3.5	66.5	129.0	-336.4
9	Less:															
10	Corporate profits with IVA and CCAdj	2,128.6	2,311.9	2,402.2	2,260.1	2,771.1	-0.3	7.0	34.4	16.3	-34.7	-0.3	7.3	27.4	-18.1	-51.0
11	Taxes on production and imports less subsidies	1,307.6	1,398.1	1,457.1	869.0	1,181.5	1.1	-0.3	-2.3	95.8	33.4	1.1	-1.5	-2.0	98.1	-62.4
12	Contributions for government social insurance, domestic	1,298.9	1,361.6	1,424.6	1,450.0	1,540.8	0.1	1.1	3.2	-9.5	-52.6	0.2	1.0	2.0	-12.6	-43.1
13	Net interest and miscellaneous payments on assets	609.0	594.1	571.2	665.8	644.1	-3.5	-4.6	13.0	47.0	-42.0	-3.5	-1.1	17.6	34.0	-89.0
14	Business current transfer payments (net)	148.7	158.9	164.0	144.1	171.0	-0.4	0.9	1.7	-14.5	7.0	-0.4	1.3	0.9	-16.2	21.5
15	Current surplus of government enterprises	-6.5	-7.9	-14.2	-0.1	2.1	0.1	0.7	-0.9	17.3	15.0	0.1	0.6	-1.7	18.3	-2.3
16	Plus: Personal income receipts on assets	2,703.5	2,862.2	3,119.0	3,095.4	3,202.4	-4.4	-6.1	151.0	183.3	261.1	-4.4	-1.7	157.1	32.3	77.8
17	Plus: Personal current transfer receipts	2,855.7	2,976.6	3,144.8	4,231.2	4,617.3	-0.7	0.3	5.7	-10.0	19.5	-0.6	0.9	5.4	-15.7	29.5
18	Equals: Personal income	16,839.8	17,683.8	18,587.0	19,832.3	21,294.8	-10.4	-22.2	162.6	204.7	202.1	-10.4	-11.8	184.8	42.1	-2.7

CCAdj Capital consumption adjustment

IVA Inventory valuation adjustment

Note. Dollar levels are from [NIPA table 1.7.5](#).

Chart 3. Statistical Discrepancy



U.S. Bureau of Economic Analysis

Measures of personal income were also impacted by newly available and revised SOI data (table 6):

- Personal income was revised down for 2017, as most components—particularly personal interest income—were revised down.
- For 2018, the downward revision to personal income was led by a downward revision to farm proprietors' income, based on revised USDA data.
- For 2019–2021, the revisions were due primarily to upward revisions to personal dividend income, based on revised IRS SOI data for 2019, newly available SOI data for 2020, and more complete annual company financial reports and newly available Quarterly Financial Report data from Census for 2021.
- The personal saving rate (personal saving as a percentage of disposable personal income) was unrevised for 2017–2018, was revised up for 2019–2020, and was revised down for 2021. For 2019, there was an upward revision to personal income and a downward revision to personal outlays. For 2020, the upward revision to income more than offset upward revisions to personal outlays and personal current taxes. For 2021, upward revisions to outlays and taxes more than offset the upward revision to income.

Table 6. Personal Income and Its Disposition

[Billions of dollars]

Line number	Series	Level					Revision in level					Revision in change				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Personal income	16,839.8	17,683.8	18,587.0	19,832.3	21,294.8	-10.4	-22.2	162.6	204.7	202.1	-10.4	-11.8	184.8	42.1	-2.7
2	Compensation of employees	10,424.4	10,957.9	11,448.1	11,592.7	12,538.5	-1.8	-1.6	0.4	20.6	-60.2	-1.7	0.1	2.0	20.2	-80.8
3	Wages and salaries	8,474.4	8,900.0	9,324.6	9,457.4	10,290.1	-0.3	-0.5	1.1	13.3	-53.7	-0.2	-0.2	1.6	12.2	-67.0
4	Private industries	7,126.2	7,498.1	7,874.1	7,962.9	8,746.0	-0.5	-1.1	0.8	13.3	-62.3	-0.5	-0.5	1.9	12.5	-75.6
5	Government	1,348.2	1,402.0	1,450.5	1,494.5	1,544.1	0.2	0.6	0.2	0.0	8.7	0.2	0.4	-0.3	-0.3	8.8
6	Supplements to wages and salaries	1,950.0	2,057.9	2,123.5	2,135.4	2,248.4	-1.5	-1.1	-0.6	7.3	-6.5	-1.5	0.3	0.4	7.9	-13.8
7	Proprietors' income with IVA and CCAdj	1,504.6	1,568.7	1,601.4	1,643.1	1,753.6	-1.2	-11.7	2.5	-6.9	-68.3	-1.2	-10.5	14.2	-9.4	-61.4
8	Farm	39.1	29.2	29.1	45.2	51.3	-0.4	-9.7	-9.3	-25.0	-46.4	-0.4	-9.4	0.5	-15.7	-21.4
9	Nonfarm	1,465.5	1,539.5	1,572.3	1,597.9	1,702.2	-0.8	-2.0	11.8	18.1	-21.9	-0.9	-1.1	13.8	6.2	-40.0
10	Rental income of persons with CCAdj	650.6	680.0	698.2	719.8	723.8	-2.1	-1.9	6.1	8.3	-2.6	-2.2	0.2	8.0	2.1	-10.8
11	Personal income receipts on assets	2,703.5	2,862.2	3,119.0	3,095.4	3,202.4	-4.4	-6.1	151.0	183.3	261.1	-4.4	-1.7	157.1	32.3	77.8
12	Personal interest income	1,549.0	1,608.9	1,658.1	1,647.3	1,658.6	-4.5	-6.1	6.1	33.0	17.9	-4.4	-1.7	12.3	26.9	-15.1
13	Personal dividend income	1,154.6	1,253.4	1,460.9	1,448.1	1,543.9	0.1	0.1	144.9	150.3	243.2	0.0	0.0	144.8	5.4	92.9
14	Personal current transfer receipts	2,855.7	2,976.6	3,144.8	4,231.2	4,617.3	-0.7	0.3	5.7	-10.0	19.5	-0.6	0.9	5.4	-15.7	29.5
15	Government social benefits to persons	2,807.4	2,926.5	3,089.7	4,187.1	4,546.4	-0.2	0.4	6.6	5.8	15.5	-0.1	0.6	6.2	-0.7	9.7
16	Other current transfer receipts, from business (net)	48.3	50.1	55.1	44.1	71.0	-0.5	-0.2	-0.8	-15.8	4.0	-0.5	0.3	-0.6	-14.9	19.8
17	Less: Contributions for government social insurance	1,298.9	1,361.6	1,424.6	1,450.0	1,540.8	0.1	1.1	3.2	-9.5	-52.6	0.2	1.0	2.0	-12.6	-43.1
18	Less: Personal current taxes	2,048.6	2,074.9	2,198.4	2,236.4	2,661.7	-0.4	-1.4	-6.7	40.8	76.5	-0.4	-1.0	-5.3	47.6	35.7
19	Equals: Disposable personal income (DPI)	14,791.2	15,608.9	16,388.6	17,595.9	18,633.1	-10.0	-20.8	169.3	163.9	125.5	-10.0	-10.8	190.1	-5.5	-38.4
20	Less: Personal outlays	13,717.5	14,428.6	14,942.0	14,603.6	16,389.8	-7.3	-10.2	-39.5	59.1	163.4	-7.4	-2.9	-29.3	98.6	104.4
21	Equals: Personal saving	1,073.8	1,180.3	1,446.6	2,992.3	2,243.4	-2.7	-10.6	208.8	104.8	-37.9	-2.7	-8.0	219.5	-104.0	-142.8
22	Personal saving as a percentage of DPI (percent)	7.3	7.6	8.8	17.0	12.0	0.0	0.0	1.2	0.4	-0.3	0.0	0.0	1.2	-0.8	-0.7

CCAdj Capital consumption adjustment

IVA Inventory valuation adjustment

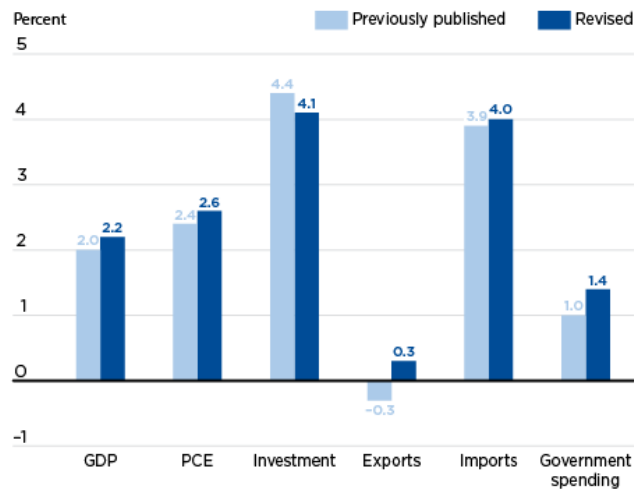
Note. Dollar levels are from [NIPA table 2.1](#).

Updates to Quarterly NIPA Measures

GDP and GDI

From the fourth quarter of 2016 to the first quarter of 2022, real GDP was revised up 0.2 percentage point, from an increase of 2.0 percent to an increase of 2.2 percent (chart 4). Real GDI over the same period was revised down, from 2.6 percent to 2.3 percent, and the average of GDP and GDI was revised from 2.3 percent to 2.2 percent.

Chart 4. Average Annual Rates of Change for Real GDP, 2016:Q4 to 2022:Q1



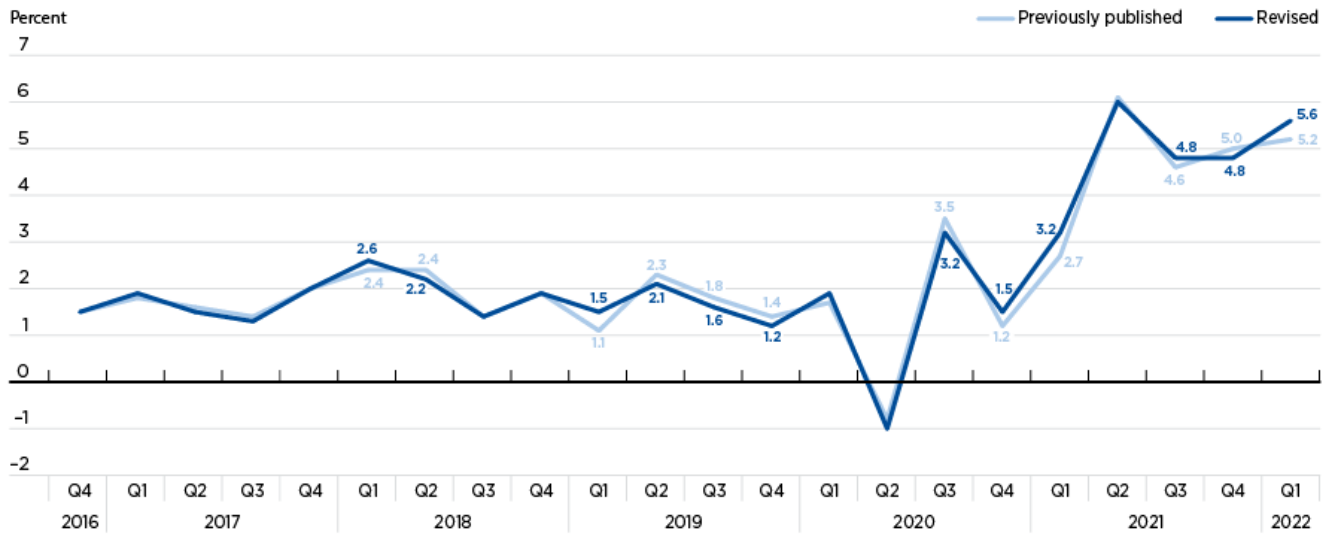
GDP Gross domestic product
PCE Personal consumption expenditures

U.S. Bureau of Economic Analysis

Prices

From the fourth quarter of 2016 to the first quarter of 2022, the average annual rate of increase in the price index for gross domestic purchases was 2.6 percent, revised up 0.1 percentage point from the previously published estimates. From the fourth quarter of 2016 to the first quarter of 2022, the average annual rate of increase in the price index for PCE was 2.7 percent, revised up 0.1 percentage point. The increase in the “core” PCE price index, which excludes food and energy, was 2.4 percent, the same as previously published. Quarterly revisions in the index primarily reflect updated BLS consumer price indexes as well as BEA's improved deflator for used motor vehicles (chart 5).

Chart 5. Percent Change in Price Index for PCE Excluding Food and Energy

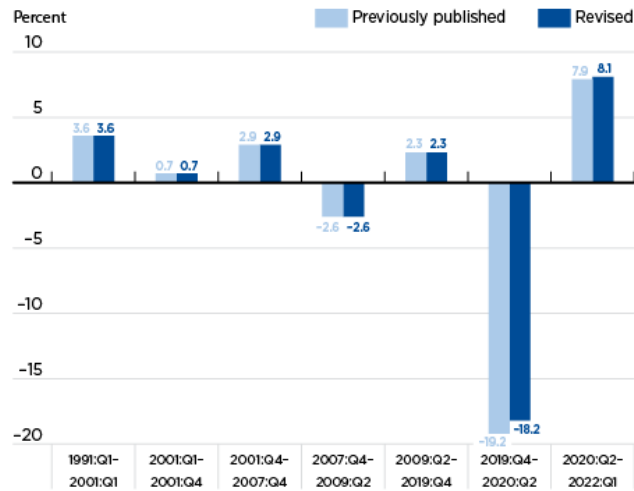


PCE Personal consumption expenditures
U.S. Bureau of Economic Analysis

Business cycles

For the period of expansion from the second quarter of 2009 to the fourth quarter of 2019, real GDP increased at an average annual rate of 2.3 percent, unrevised from the previously published estimate (chart 6). The rate of growth in real GDI over the period was revised up from 2.4 percent to 2.5 percent. The percent change in real GDP during the pandemic-related recession from the fourth quarter of 2019 to the second quarter of 2020 was revised up, decreasing 18.2 percent, compared with 19.2 percent in the previously published estimates. The recovery from the second quarter of 2020 to the first quarter of 2021 was stronger than previously estimated, at 8.1 percent, rather than 7.9 percent.

Chart 6. Average Annual Rates of Change for Real GDP



GDP Gross domestic product
U.S. Bureau of Economic Analysis

GDP and expenditure components

Chart 7 illustrates the revisions to real GDP for each quarter; the chart excludes 2020 because the magnitude of the pandemic-related changes in GDP in that year obscures the changes in other years. Table 7 presents the changes in 2020.

- The revisions did not reverse the direction of change in real GDP for any quarter of the revision period, and the general pattern is similar to the previously published estimates (chart 7).
- The largest revision for 2018 was to the third quarter; the upward revision was led by inventory investment, primarily in the wholesale and manufacturing industries.
- For 2019, the largest revision was to the third quarter. The upward revision (0.8 percentage point) was led by private investment in structures, in particular, petroleum and natural gas drilling.
- In the second quarter of 2020, the revision of 1.3 percentage points was led by consumer spending on services, based on newly available SAS data.
- In the third quarter of 2020, the revision of 1.5 percentage points was led by nonfarm inventory investment, primarily by manufacturing and wholesale industries.
- In the third quarter of 2021, the revision of 0.4 percentage point was led by consumer spending, particularly spending on food services, based on updated data from Census' MRTS.
- Real GDP was unrevised for the first quarter of 2022, as downward revisions to consumer spending and to private fixed equipment investment were offset by upward revisions to private inventory investment, federal government spending, and state and local government spending; imports were revised down.

Chart 7. Percent Change in Real GDP

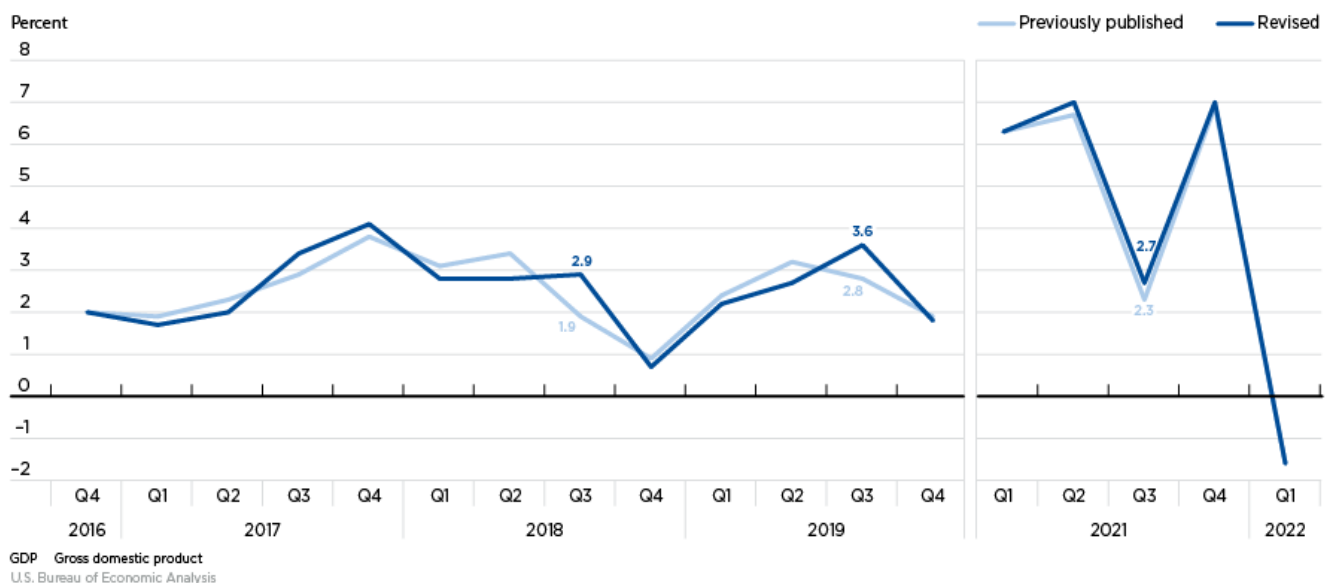


Table 7. Real Gross Domestic Product: Percent Change from Preceding Period, 2020

Series	Previously published	Revised	Revision
	Percent (annual rate)		
2020 Q1	-5.1	-4.6	0.5
2020 Q2	-31.2	-29.9	1.3
2020 Q3	33.8	35.3	1.5
2020 Q4	4.5	3.9	-0.6

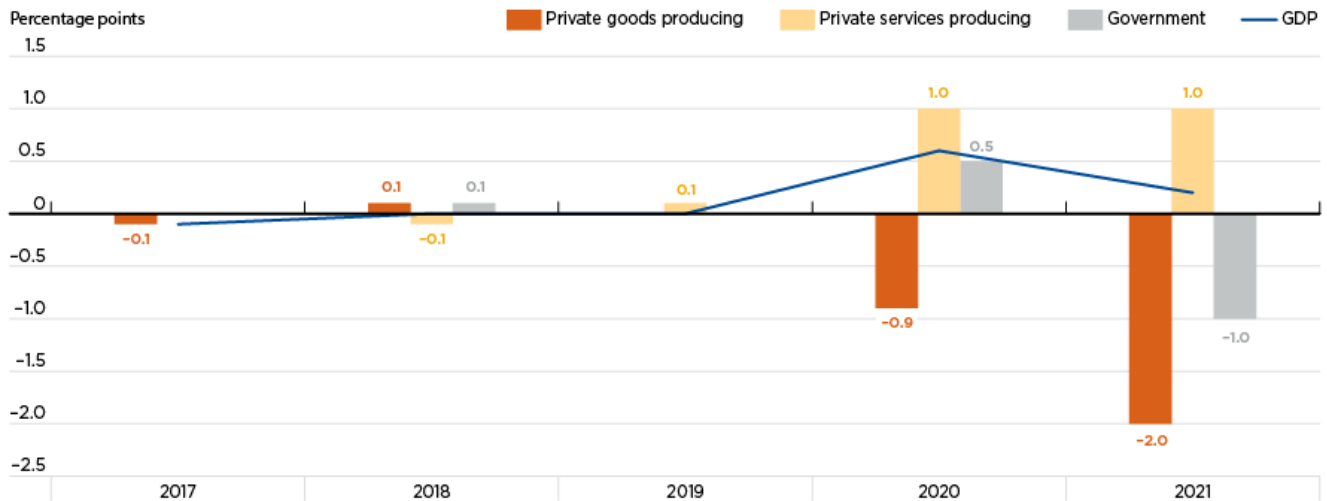
Note. Percent changes are from [NIPA table 1.1.1](#).

GDP by Industry

GDP by industry—or value added—which measures an industry's contribution to GDP—was largely unchanged with the annual update for 2017–2019; for 2020–2021, the updated estimates reflect upward revisions to services-producing industries and downward revisions to goods-producing industries. As with the NIPA's expenditure and income estimates, this year's revisions to the IEAs are largely driven by newly available and revised source data.

Revisions to annual percent changes in real GDP by industry for the recent period (years 2017 to 2021 and the first quarter of 2022) are discussed below. Revisions to the percent change in real GDP are presented in table 8 and illustrated in chart 8. Revisions to industry contributions to the percent change in real GDP are presented in table 9.

Chart 8. Revisions to the Percent Change in Real GDP by Industry



GDP Gross domestic product
U.S. Bureau of Economic Analysis

Table 8. Real Gross Domestic Product by Industry Group: Percent Change from Preceding Period

Line number	Series	Share of current-dollar GDP	Change from preceding period					Revision in percent change				
		Percent	Percent (annual rate)					(Percentage points)				
		2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Gross domestic product	100.0	2.2	2.9	2.3	-2.8	5.9	-0.1	0.0	0.0	0.6	0.2
2	Private industries	87.9	2.4	3.2	2.5	-3.1	6.7	-0.1	0.0	0.0	0.7	0.4
3	Agriculture, forestry, fishing, and hunting	0.9	-2.1	2.8	-5.9	2.8	-8.5	-0.6	-0.2	0.2	-11.2	-3.8
4	Mining	1.4	1.4	1.2	12.6	-1.1	-16.3	-0.7	1.0	0.8	9.1	-10.6
5	Utilities	1.6	1.0	-0.3	0.4	3.6	-4.1	-0.2	0.0	-0.8	-0.6	1.5
6	Construction	4.1	3.5	2.2	1.4	-3.8	2.5	-0.1	-0.1	0.0	-0.2	-0.7
7	Manufacturing	10.7	3.3	4.2	1.6	-4.5	6.7	0.0	0.1	-0.2	-1.5	-0.9
8	Durable goods	6.0	4.0	4.8	0.8	-4.5	9.7	-0.2	0.0	0.0	0.4	0.6
9	Nondurable goods	4.7	2.3	3.5	2.7	-4.5	3.0	0.0	0.3	-0.3	-4.1	-2.6
10	Wholesale trade	6.2	0.4	1.0	-0.5	0.0	5.5	-0.1	-0.1	0.0	1.9	2.7
11	Retail trade	6.0	3.2	3.1	2.1	-2.9	2.6	-0.1	-0.1	-0.4	0.0	0.5
12	Transportation and warehousing	3.0	4.2	3.8	1.0	-12.0	7.5	-0.2	0.2	-0.8	1.4	4.8
13	Information	5.6	6.2	8.0	5.9	3.9	13.9	-0.2	0.3	-1.1	0.4	0.7
14	Finance, insurance, real estate, rental, and leasing	21.0	0.3	1.7	2.6	-0.1	4.8	-0.1	0.0	0.6	-0.4	-0.6
15	Finance and insurance	8.4	-1.7	-0.1	3.3	2.7	7.2	0.0	0.0	1.6	-0.3	-2.2
16	Real estate and rental and leasing	12.6	1.6	2.8	2.1	-1.8	3.2	-0.1	0.0	0.0	-0.5	0.3
17	Professional and business services	13.0	4.6	5.7	4.3	-1.2	11.7	-0.1	0.0	-0.3	1.2	1.0
18	Professional, scientific, and technical services	7.9	3.3	6.0	4.3	-0.1	11.1	-0.1	0.0	0.0	1.8	1.8
19	Management of companies and enterprises	1.9	7.2	7.1	7.2	1.7	10.9	-0.1	-0.1	0.1	0.2	2.0
20	Administrative and waste management services	3.2	6.3	4.2	2.6	-5.6	13.6	0.0	0.0	-0.9	0.1	-1.6
21	Educational services, health care, and social assistance	8.6	1.7	2.8	2.9	-2.9	4.6	-0.1	0.0	0.1	3.5	-0.4
22	Educational services	1.2	-1.5	2.5	2.5	-9.9	3.3	-0.1	0.0	-0.3	1.4	2.8
23	Health care and social assistance	7.4	2.3	2.8	3.0	-1.7	4.8	0.0	0.0	0.2	3.8	-1.0
24	Arts, entertainment, recreation, accommodation, and food services	3.9	2.5	1.7	1.9	-27.6	28.3	0.0	-0.1	-0.1	2.2	8.4
25	Arts, entertainment, and recreation	0.9	3.5	3.9	0.9	-36.0	35.2	0.2	0.0	-1.5	-0.6	15.4
26	Accommodation and food services	2.9	2.1	0.8	2.2	-24.6	26.2	-0.1	-0.2	0.3	3.2	6.3
27	Other services, except government	2.0	0.5	2.7	0.3	-9.9	5.4	-0.1	-0.6	0.3	2.5	2.5
28	Government	12.1	1.0	0.9	0.6	-0.4	0.5	0.0	0.1	0.0	0.5	-1.0
29	Federal	3.8	0.6	0.6	0.7	3.1	1.0	-0.1	0.0	0.0	0.3	0.7
30	State and local	8.3	1.1	0.9	0.5	-1.9	0.3	0.0	0.0	-0.1	0.7	-1.7
Addenda												
31	Private goods-producing industries ¹	17.1	2.9	3.4	2.1	-3.8	3.1	-0.1	0.1	0.0	-0.9	-2.0
32	Private services-producing industries ²	70.9	2.3	3.1	2.7	-3.0	7.6	0.0	-0.1	0.1	1.0	1.0
33	Information-communications-technology-producing industries ³	7.6	7.7	10.1	6.7	5.5	12.6	-0.2	-0.1	-0.2	0.8	...

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

3. Consists of computer and electronic product manufacturing (excluding navigational, measuring, electromedical, and control instruments manufacturing); software publishers; broadcasting and telecommunications; data processing, hosting and related services; internet publishing and broadcasting and web search portals; and computer systems design and related services. For 2021, revision unavailable (...); the annual update is the first estimate for the latest year.

- For 2017, the 0.1 percentage point downward revision to real GDP growth reflected downward revisions to private services-producing industries and government of less than 0.1 percentage point each and to private goods-producing industries of 0.1 percentage point. The direction of change was unrevised for all 22 industry groups.
- For 2018, real GDP growth was unrevised. Upward revisions of 0.1 percentage point to private goods-producing industries and to government were offset by a downward revision of 0.1 percentage point to private services-producing industries. The direction of change was unrevised for all 22 industry groups.
- For 2019, real GDP growth was also unrevised, reflecting small offsetting revisions across industries, notably an upward revision to finance and insurance and a downward revision to information. An upward revision of 0.1 percentage point to private services-producing industries was offset by downward revisions of less than 0.1 percentage point to private goods-producing industries and to government. The direction of change was unrevised for all 22 industry groups.
- For 2020, the 0.6 percentage point upward revision to the decrease in real GDP reflected upward revisions to private services-producing industries and government that were partly offset by a downward revision to private goods-producing industries. The direction of change was unrevised for all 22 industry groups.
 - Private services-producing industries was revised up 1.0 percentage point, primarily reflecting upward revisions to health care and social assistance; professional, scientific, and technical services; wholesale trade; and accommodation and food services.
 - Government was revised up 0.5 percentage point, led by an upward revision to state and local government.
 - Private goods-producing industries was revised down 0.9 percentage point, led by downward revisions to nondurable goods manufacturing and to agriculture, forestry, fishing, and hunting.
- For 2021, the 0.2 percentage point upward revision to real GDP growth reflected an upward revision to private services-producing industries that was partly offset by downward revisions to private goods-producing industries and government. The direction of change was unrevised for all 22 industry groups.
 - Private services-producing industries was revised up 1.0 percentage point, primarily reflecting upward revisions to wholesale trade; accommodation and food services; and professional, scientific, and technical services that were partly offset by downward revisions to finance and insurance; health care and social assistance; and administrative and waste management services.
 - Private goods-producing industries was revised down 2.0 percentage points, led by downward revisions to mining and nondurable goods manufacturing.
 - Government was revised down 1.0 percentage point, reflecting a downward revision to state and local government that was partly offset by an upward revision to federal government.
- In the first quarter of 2022, real GDP was unrevised. Private goods-producing industries was revised up 3.2 percentage points, private services-producing industries was revised down 0.8 percentage point, and government was revised down 0.2 percentage point.

Table 9. Contributions to the Percent Change in Real Gross Domestic Product by Industry Group

Line number	Series	Contributions to percent change					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Gross domestic product	2.2	2.9	2.3	-2.8	5.9	-0.1	0.0	0.0	0.6	0.2
	Percentage points at annual rates:										
2	Private industries	2.08	2.79	2.23	-2.76	5.83	-0.09	0.00	0.01	0.54	0.36
3	Agriculture, forestry, fishing, and hunting	-0.02	0.02	-0.05	0.02	-0.08	-0.01	-0.01	0.00	-0.08	-0.04
4	Mining	0.02	0.02	0.18	-0.02	-0.21	-0.01	0.02	0.01	0.10	-0.15
5	Utilities	0.02	-0.01	0.01	0.06	-0.07	0.00	0.00	-0.01	0.00	0.03
6	Construction	0.14	0.09	0.06	-0.16	0.10	0.00	-0.01	0.00	-0.01	-0.04
7	Manufacturing	0.37	0.47	0.18	-0.50	0.71	0.00	0.01	-0.02	-0.18	-0.09
8	Durable goods	0.25	0.30	0.05	-0.28	0.57	-0.01	0.00	0.00	0.02	0.03
9	Nondurable goods	0.11	0.17	0.13	-0.22	0.14	0.00	0.01	-0.02	-0.20	-0.12
10	Wholesale trade	0.02	0.06	-0.03	0.00	0.34	-0.01	-0.01	0.00	0.11	0.17
11	Retail trade	0.18	0.17	0.12	-0.16	0.15	-0.01	0.00	-0.02	0.00	0.01
12	Transportation and warehousing	0.13	0.12	0.03	-0.38	0.21	0.00	0.01	-0.03	0.04	0.11
13	Information	0.32	0.41	0.30	0.21	0.75	0.00	0.02	-0.06	0.03	0.04
14	Finance, insurance, real estate, rental, and leasing	0.07	0.36	0.54	-0.01	1.02	-0.02	0.00	0.13	-0.07	-0.14
15	Finance and insurance	-0.14	0.00	0.26	0.22	0.61	-0.01	0.00	0.13	-0.02	-0.16
16	Real estate and rental and leasing	0.21	0.36	0.28	-0.23	0.42	-0.02	-0.01	0.00	-0.05	0.04
17	Professional and business services	0.57	0.71	0.54	-0.15	1.47	-0.01	0.00	-0.03	0.15	0.13
18	Professional, scientific, and technical services	0.25	0.44	0.32	-0.01	0.85	0.00	-0.01	-0.01	0.14	0.14
19	Management of companies and enterprises	0.13	0.13	0.13	0.03	0.21	-0.01	0.00	0.00	0.00	0.04
20	Administrative and waste management services	0.19	0.13	0.08	-0.18	0.41	0.00	0.00	-0.03	0.00	-0.05
21	Educational services, health care, and social assistance	0.15	0.24	0.25	-0.25	0.40	-0.01	0.00	0.00	0.31	-0.03
22	Educational services	-0.02	0.03	0.03	-0.13	0.04	0.00	0.00	-0.01	0.02	0.03
23	Health care and social assistance	0.17	0.21	0.22	-0.13	0.36	-0.01	0.00	0.01	0.28	-0.06
24	Arts, entertainment, recreation, accommodation, and food services	0.11	0.07	0.08	-1.19	0.91	0.01	-0.01	-0.01	0.10	0.27
25	Arts, entertainment, and recreation	0.04	0.04	0.01	-0.41	0.26	0.00	0.00	-0.02	0.00	0.11
26	Accommodation and food services	0.07	0.03	0.07	-0.78	0.65	0.00	0.00	0.01	0.11	0.16
27	Other services, except government	0.01	0.06	0.01	-0.21	0.11	0.00	-0.01	0.01	0.06	0.05
28	Government	0.12	0.11	0.07	-0.04	0.07	-0.01	0.00	0.00	0.08	-0.12
29	Federal	0.03	0.03	0.03	0.12	0.04	0.00	0.01	0.00	0.01	0.03
30	State and local	0.10	0.08	0.05	-0.16	0.03	0.00	0.00	0.00	0.06	-0.14
	Addenda										
31	Private goods-producing industries ¹	0.51	0.61	0.37	-0.66	0.53	-0.02	0.02	0.00	-0.17	-0.30
32	Private services-producing industries ²	1.57	2.18	1.85	-2.10	5.30	-0.07	-0.02	0.00	0.71	0.66
33	Information-communications-technology-producing industries ³	0.51	0.67	0.46	0.39	0.93	-0.01	0.00	-0.02	0.06	...

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

3. Consists of computer and electronic product manufacturing (excluding navigational, measuring, electromedical, and control instruments manufacturing); software publishers; broadcasting and telecommunications; data processing, hosting and related services; internet publishing and broadcasting and web search portals; and computer systems design and related services. For 2021, revision unavailable (...); the annual update is the first estimate for the latest year.

As noted above, from the fourth quarter of 2016 to the first quarter of 2022, the average annual change in real GDP was revised up from 2.0 to 2.2 percent. Chart 9 illustrates the revisions to the percent change for private goods-producing industries, private services-producing industries, and government over the period. Private services-producing industries increased more than previously estimated over the period, while private goods-producing industries and government increased less.

Chart 9. Average Annual Rates of Change for Real GDP by Industry, 2016:Q4 to 2022:Q1

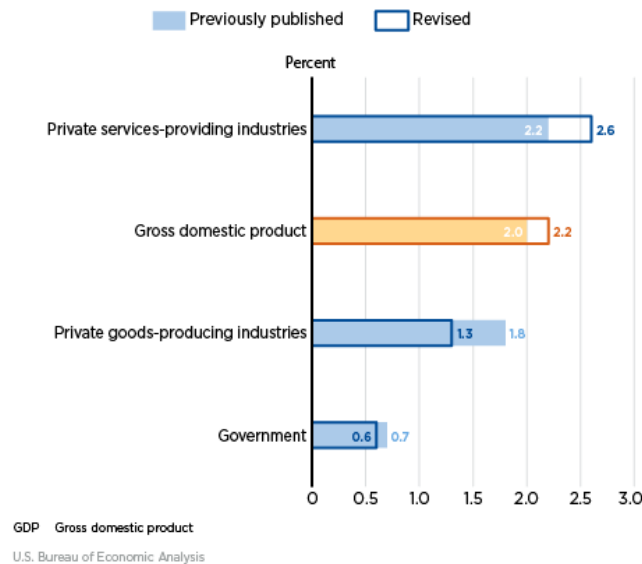
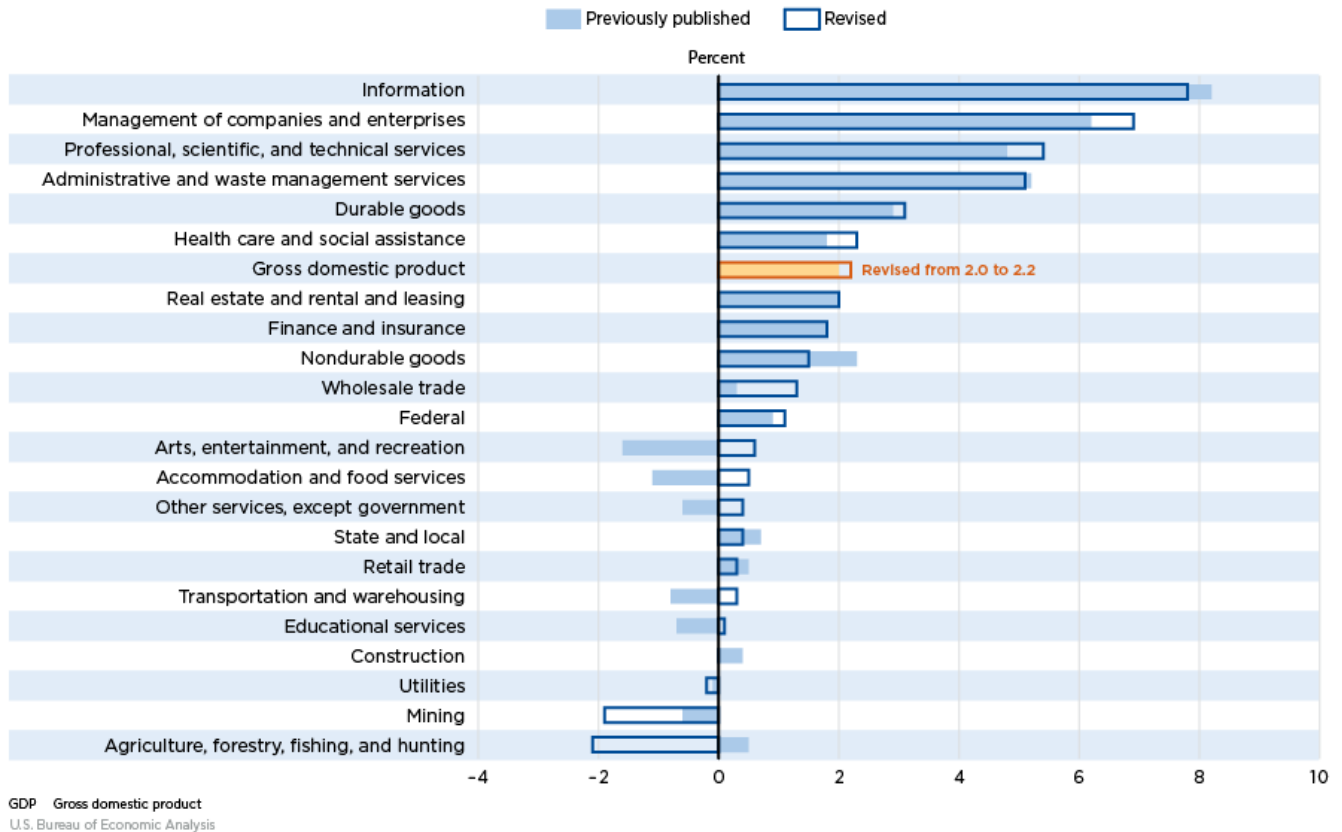


Chart 10 provides detail for 22 industry groups and illustrates that the direction of change over the period from the fourth quarter of 2016 to the first quarter of 2022 was reversed for 6 industries. The updated estimates show an increase over the period, rather than a decrease, for educational services; transportation and warehousing; "other" services, except government; accommodation and food services; and arts, entertainment, and recreation. The updated estimates show a decrease over the period, rather than an increase, for the agriculture, forestry, fishing, and hunting industry group. The largest revisions over the period were to the agriculture, forestry, fishing, and hunting industry group (revised down from 0.5 percent to -2.6 percent) and to the arts, entertainment, and recreation industry group (revised up from -1.6 percent to 0.6 percent).

Chart 10. Average Annual Rates of Change for Real GDP by Industry Group, 2016:Q4 to 2022:Q1



Notable industry revisions

As shown in Table 9, most industries show minimal or no revisions for 2017 and 2018, small revisions for 2019, and larger revisions for 2020. Revisions for 2019 and 2020 mainly reflect the incorporation of new and revised IRS SOI data. The sources of revision are more mixed for 2021, notably:

- For the mining industry, revisions throughout the update period were primarily to the oil and gas extraction industry; revisions for 2021 reflect the incorporation of revised data from the Energy Information Administration (EIA).
- For nondurable-goods manufacturing, revisions were primarily to the petroleum and coal products manufacturing industry and reflect the incorporation of revised EIA data.
- For wholesale trade, revisions for 2021 reflect the incorporation of benchmarked Census Monthly Wholesale Trade Survey data as well as the incorporation of revised BLS PPIs.
- For the health care and social assistance industry group, revisions were primarily to ambulatory health care services and hospitals. Revisions for 2020 largely reflect revised subsidies data in addition to newly available IRS SOI data. For 2021, the revisions largely reflect the incorporation of revised Census QSS data as well as BLS PPIs.
- For the accommodation and food services industry group, revisions were led by the food services and drinking places industry, and revisions for 2021 reflect revised Census MRTS data as well as BLS QCEW wage data.

Data Availability

Annual NIPA estimates for 1929 forward and quarterly estimates for 1947 forward are available on BEA's website in more than [350 interactive data tables](#) that are arranged in roughly the same order as the 7 summary accounts presented in appendix table B. The tables can be downloaded in a variety of formats, customized by date and by frequency, and displayed in charts.¹

Data on industry value added, gross output, and intermediate inputs are available in the industry interactive tables. Annual industry estimates are available for 1947 onward. In addition, more detailed annual statistics at the 138-industry level are available as part of the underlying detail for the IEAs for 1997 onward. Quarterly statistics are available at the 71-industry level for the first quarter of 2005 onward.

In addition to these data, the industry estimates include a selection of input-output statistics including new SUTs and direct and total requirements tables for 2021 and revised tables for 2017–2020. The supply table presents the total supply of goods and services from both domestic and foreign producers available for use in the domestic economy. The use table shows the use of this supply by domestic industries as intermediate inputs and by final users, including exports. The tables also show value added by industry.

The entire time series of industry statistics is available interactively on the BEA website. The GDP by industry section includes real, nominal, and price statistics for value added, gross output, intermediate inputs, and KLEMS (K–capital, L–labor, E–energy, M–materials, and S–purchased services) statistics as well as access to the underlying detail tables. The input-output section includes an annual time series of SUTs as well as total requirements tables. The 2007 and 2012 benchmark tables are also available as integrated parts of the time series.

The integrated macroeconomic accounts published jointly by BEA and the FRB, which relate production, income and spending, capital formation, financial transactions, and asset revaluations to changes in net worth for the major sectors of the U.S. economy, will be released later this year.

1. For a detailed description of the NIPA table numbering system, see the FAQ [“How are the NIPA tables organized?”](#) on BEA's website.

Appendix A: Impacts of the Annual Update on GDP Expenditure Components

Table A1. Real Personal Consumption Expenditures: Percent Change from Preceding Period

Line number	Series	Change from preceding period					Revision in percent change				
		Percent (annual rate)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Personal consumption expenditures	2.4	2.9	2.0	-3.0	8.3	0.0	0.0	-0.2	0.8	0.4
2	Goods	3.9	3.9	3.1	5.2	12.2	0.0	-0.1	-0.3	0.6	0.0
3	Durable goods	6.4	6.8	3.8	10.0	18.5	0.1	-0.2	-0.5	2.3	0.4
4	Motor vehicles and parts	4.9	3.7	-1.5	1.6	15.8	0.1	-0.4	-0.3	-1.7	0.8
5	Furnishings and durable household equipment	7.6	8.4	3.4	13.4	14.2	0.0	0.2	-0.1	5.8	-0.2
6	Recreational goods and vehicles	9.3	10.4	11.2	24.3	20.1	0.2	-0.5	-1.0	6.1	0.9
7	Other durable goods	3.0	5.6	3.9	-2.3	31.1	0.1	0.3	-0.6	-0.8	-1.2
8	Nondurable goods	2.6	2.5	2.8	2.7	8.8	-0.1	0.0	-0.1	-0.4	-0.3
9	Food and beverages purchased for off-premises consumption	3.6	2.2	2.1	5.7	3.7	0.0	-0.1	0.1	-1.9	-0.7
10	Clothing and footwear	1.9	2.7	3.1	-5.0	26.1	-0.1	-0.1	0.1	-1.0	-0.6
11	Gasoline and other energy goods	-0.5	-0.5	-0.3	-13.2	11.6	0.0	0.1	-0.2	0.5	1.9
12	Other nondurable goods	3.0	3.5	4.3	6.8	7.8	0.0	0.1	-0.3	1.0	-0.2
13	Services	1.7	2.4	1.5	-6.6	6.3	-0.1	0.0	-0.2	0.9	0.5
14	Household consumption expenditures (for services)	1.8	2.3	1.7	-7.5	7.5	0.0	0.0	-0.3	1.1	0.6
15	Housing and utilities	0.2	1.5	0.9	0.9	1.1	0.0	0.0	0.0	-0.1	0.0
16	Health care	2.1	2.6	3.5	-7.4	7.3	-0.1	0.0	0.2	1.0	0.1
17	Transportation services	3.9	4.2	3.3	-24.9	15.9	0.1	0.0	-0.1	0.9	3.6
18	Recreation services	1.5	1.8	1.5	-26.1	16.6	-0.2	-0.2	0.2	4.0	0.0
19	Food services and accommodations	2.7	2.9	1.9	-21.0	23.5	0.2	0.1	-0.2	0.9	0.6
20	Financial services and insurance	1.6	1.4	-3.1	1.6	3.9	-0.3	-0.1	-2.0	1.3	0.8
21	Other services	3.6	3.6	3.9	-7.3	9.0	0.0	0.0	-0.3	2.6	1.6
22	Final consumption expenditures of nonprofit institutions serving households	-0.6	4.2	-3.4	12.9	-14.6	-1.0	0.1	0.8	-3.3	-1.1
23	Gross output of nonprofit institutions	0.7	2.6	1.4	-1.7	0.9	-0.2	-0.1	0.4	0.9	0.3
24	Less: Receipts from sales of goods and services by nonprofit institutions	1.2	2.1	3.3	-6.9	7.7	0.0	0.0	0.3	2.5	0.5

Note. Percent changes are from [NIPA table 2.3.1](#).

Table A2. Real Personal Consumption Expenditures: Contributions to Percent Change

Line number	Series	Contributions to percent change					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Personal consumption expenditures (PCE)	2.4	2.9	2.0	-3.0	8.3	0.0	0.0	-0.2	0.8	0.4
	Percentage points at annual rates:										
2	Goods	1.21	1.23	0.97	1.6	4.06	0.00	-0.01	-0.07	0.17	0.04
3	Durable goods	0.66	0.71	0.39	1.04	2.18	0.01	-0.02	-0.05	0.24	0.11
4	Motor vehicles and parts	0.18	0.14	-0.06	0.06	0.62	0.00	-0.01	-0.02	-0.06	0.07
5	Furnishings and durable household equipment	0.18	0.2	0.08	0.34	0.42	0.00	0.00	-0.01	0.15	0.02
6	Recreational goods and vehicles	0.25	0.28	0.31	0.68	0.7	0.01	-0.01	-0.02	0.16	0.05
7	Other durable goods	0.05	0.09	0.06	-0.03	0.45	0.00	0.01	-0.01	-0.01	-0.02
8	Nondurable goods	0.55	0.52	0.58	0.55	1.89	-0.01	0.01	-0.02	-0.08	-0.06
9	Food and beverages purchased for off-premises consumption	0.26	0.16	0.15	0.41	0.3	0.00	-0.01	0.00	-0.14	-0.06
10	Clothing and footwear	0.05	0.08	0.08	-0.14	0.66	-0.01	0.00	0.00	-0.03	-0.02
11	Gasoline and other energy goods	-0.01	-0.01	-0.01	-0.28	0.23	0.00	0.00	-0.01	0.01	0.04
12	Other nondurable goods	0.24	0.29	0.35	0.56	0.7	0.00	0.01	-0.02	0.08	-0.02
13	Services	1.17	1.65	1.01	-4.59	4.23	-0.05	-0.01	-0.14	0.62	0.38
14	Household consumption expenditures (for services)	1.19	1.52	1.12	-4.98	4.76	-0.02	-0.01	-0.16	0.73	0.4
15	Housing and utilities	0.03	0.26	0.17	0.17	0.21	0.00	0.00	0.00	-0.02	0
16	Health care	0.36	0.43	0.59	-1.27	1.21	-0.01	-0.01	0.04	0.17	0.03
17	Transportation services	0.13	0.14	0.11	-0.84	0.42	0.01	0.00	-0.01	0.03	0.1
18	Recreation services	0.06	0.08	0.06	-1.06	0.51	-0.01	0.00	0.01	0.16	0.02
19	Food services and accommodations	0.19	0.2	0.13	-1.48	1.37	0.02	0.01	-0.01	0.06	0.06
20	Financial services and insurance	0.12	0.11	-0.26	0.12	0.32	-0.03	-0.01	-0.16	0.10	0.06
21	Other services	0.3	0.29	0.32	-0.62	0.72	0.00	-0.01	-0.03	0.22	0.14
22	Final consumption expenditures of nonprofit institutions serving households	-0.02	0.13	-0.11	0.39	-0.53	-0.03	0.00	0.03	-0.11	-0.03
23	Gross output of nonprofit institutions	0.08	0.3	0.16	-0.19	0.1	-0.03	-0.01	0.05	0.10	0.03
24	Less: Receipts from sales of goods and services by nonprofit institutions	0.1	0.17	0.27	-0.59	0.63	0.00	-0.01	0.02	0.20	0.05

Note. Contributions are from [NIPA table 2.3.2](#).

Table A3. Real Private Fixed Investment: Percent Change from Preceding Period

Line number	Series	Change from preceding period					Revision in percent change				
		Percent (annual rate)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Private fixed investment	4.1	4.9	2.5	-2.3	7.4	0.0	0.1	-0.7	0.4	-0.4
2	Nonresidential	4.1	6.5	3.6	-4.9	6.4	0.0	0.1	-0.7	0.4	-1.0
3	Structures	4.4	4.1	2.3	-10.1	-6.4	0.2	0.1	0.3	2.4	1.6
4	Commercial and health care	3.2	1.3	1.5	3.2	-7.6	0.0	0.0	0.0	4.6	0.0
5	Manufacturing	-13.5	-1.8	5.6	-9.5	-0.7	-0.1	0.0	0.0	3.9	0.5
6	Power and communication	-4.6	-5.7	7.4	-1.7	-8.4	0.0	0.0	0.0	3.0	5.8
7	Mining exploration, shafts, and wells	40.4	27.8	-0.3	-38.4	14.0	1.4	0.9	1.3	-0.9	2.7
8	Other structures	3.9	1.4	-0.6	-12.9	-17.8	0.0	0.0	-0.1	0.9	-0.4
9	Equipment	2.8	6.6	1.3	-10.5	10.3	0.0	0.2	-2.0	-2.2	-2.8
10	Information processing equipment	7.1	7.8	2.6	1.3	9.8	0.3	0.2	-1.1	-5.5	-4.8
11	Computers and peripheral equipment	6.7	13.6	1.8	11.6	7.7	1.0	0.0	-1.4	1.4	-5.2
12	Other	7.3	5.4	3.0	-3.2	10.8	0.0	0.2	-1.0	-8.6	-4.6
13	Industrial equipment	4.5	5.9	3.4	-8.2	11.9	0.3	0.1	1.2	-3.3	-2.1
14	Transportation equipment	-1.4	5.1	-3.2	-30.6	15.7	-0.4	0.2	-6.0	4.6	1.1
15	Other equipment	0.1	7.1	2.6	-7.0	5.5	0.1	0.2	-1.7	-5.4	-3.0
16	Intellectual property products	5.6	8.1	7.3	4.8	9.7	-0.1	0.0	0.1	2.0	-0.3
17	Software	10.8	11.6	7.0	8.7	12.8	-0.1	0.3	0.0	1.3	-0.5
18	Research and development	1.9	6.2	8.7	3.4	8.7	-0.1	-0.2	0.4	2.5	0.4
19	Entertainment, literary, and artistic originals	3.3	3.4	1.3	-5.6	-0.1	0.2	0.1	-0.9	1.3	-4.2
20	Residential	4.0	-0.6	-1.0	7.2	10.7	0.0	0.0	-0.1	0.4	1.5
21	Structures	4.0	-0.6	-1.0	7.2	10.7	0.0	0.0	-0.1	0.4	1.5
22	Permanent site	4.4	1.8	-4.4	7.1	19.4	0.0	0.0	0.0	1.2	1.8
23	Single family	6.7	2.8	-6.3	6.2	22.4	0.0	0.0	0.0	-0.1	4.1
24	Multifamily	-4.4	-2.0	4.3	10.6	6.9	0.0	0.0	0.0	6.4	-7.8
25	Other structures	3.6	-2.6	1.7	7.3	4.0	0.0	0.0	-0.2	-0.2	1.1
26	Equipment	6.6	1.7	0.8	7.1	9.1	0.0	0.3	0.0	0.5	-0.4

Note. Percent changes are from [NIPA table 5.3.1](#).

Table A4. Real Private Fixed Investment: Contributions to Percent Change

Line number	Series	Contributions to percent change					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Private fixed investment	4.1	4.9	2.5	-2.3	7.4	0.0	0.1	-0.7	0.4	-0.4
	Percentage points at annual rates:										
2	Nonresidential	3.19	5.01	2.76	-3.85	4.75	0.03	0.07	-0.61	0.33	-0.78
3	Structures	0.78	0.73	0.41	-1.83	-1.07	0.03	0.02	0.04	0.42	0.22
4	Commercial and health care	0.17	0.07	0.08	0.18	-0.44	0.00	0.00	0.00	0.25	-0.02
5	Manufacturing	-0.33	-0.04	0.11	-0.20	-0.01	-0.01	0.00	0.00	0.08	0.01
6	Power and communication	-0.18	-0.21	0.25	-0.06	-0.31	0.00	0.00	0.00	0.11	0.19
7	Mining exploration, shafts, and wells	0.97	0.86	-0.01	-1.28	0.27	0.03	0.03	0.05	-0.05	0.06
8	Other structures	0.14	0.05	-0.02	-0.46	-0.57	0.00	0.00	0.00	0.03	-0.02
9	Equipment	0.96	2.17	0.42	-3.36	2.96	0.02	0.06	-0.67	-0.65	-0.96
10	Information processing equipment	0.78	0.84	0.28	0.13	1.01	0.03	0.02	-0.12	-0.58	-0.61
11	Computers and peripheral equipment	0.21	0.42	0.06	0.36	0.26	0.03	0.00	-0.04	0.04	-0.19
12	Other	0.57	0.42	0.22	-0.23	0.74	0.00	0.02	-0.07	-0.62	-0.44
13	Industrial equipment	0.30	0.40	0.23	-0.56	0.76	0.02	0.01	0.08	-0.23	-0.16
14	Transportation equipment	-0.13	0.44	-0.28	-2.45	0.83	-0.04	0.01	-0.52	0.53	0.05
15	Other equipment	0.01	0.49	0.18	-0.49	0.36	0.01	0.02	-0.12	-0.38	-0.24
16	Intellectual property products	1.46	2.11	1.94	1.33	2.86	-0.01	0.00	0.02	0.55	-0.04
17	Software	1.12	1.24	0.77	0.99	1.55	-0.01	0.02	-0.01	0.16	-0.04
18	Research and development	0.25	0.78	1.13	0.48	1.31	0.00	-0.03	0.05	0.36	0.09
19	Entertainment, literary, and artistic originals	0.08	0.09	0.03	-0.14	0.00	0.00	0.00	-0.02	0.03	-0.09
20	Residential	0.90	-0.13	-0.22	1.58	2.69	0.00	0.00	-0.02	0.09	0.46
21	Structures	0.87	-0.14	-0.23	1.56	2.66	0.00	0.00	-0.02	0.09	0.47
22	Permanent site	0.43	0.19	-0.44	0.67	2.09	0.00	0.00	0.00	0.12	0.25
23	Single family	0.52	0.22	-0.51	0.47	1.95	0.00	0.00	0.00	0.00	0.40
24	Multifamily	-0.09	-0.04	0.08	0.20	0.14	0.00	0.00	0.00	0.12	-0.15
25	Other structures	0.44	-0.32	0.21	0.89	0.57	0.00	0.01	-0.02	-0.03	0.22
26	Equipment	0.02	0.01	0.00	0.03	0.04	0.00	0.00	0.00	0.01	0.00

Note. Contributions are from [NIPA table 5.3.2](#).

Table A5. Change in Real Private Inventories by Industry
(Billions of Chained (2012) dollars)

Line number	Series	Level					Revision in level				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Change in private inventories	36.3	66.1	73.1	-54.6	-19.4	2.7	0.4	-2.0	-12.3	13.2
2	Farm	-7.0	-10.1	-18.7	-8.4	-3.9	-0.5	-0.9	-1.5	-0.7	19.0
3	Mining, utilities, and construction	-13.7	-11.2	14.6	0.7	-9.5	1.2	-0.1	0.6	4.8	-10.2
4	Manufacturing	5.0	18.6	46.5	-28.6	-46.1	-0.1	0.0	-0.4	-19.0	-10.7
5	Durable-goods industries	-1.0	12.2	28.8	-10.8	-28.3	0.1	-0.2	2.5	-5.1	5.1
6	Nondurable-goods industries	6.6	6.2	17.3	-18.7	-17.5	-0.2	0.2	-3.4	-14.7	-17.7
7	Wholesale trade	30.2	33.2	21.6	-24.4	26.2	1.7	0.1	0.2	-10.2	-8.1
8	Durable-goods industries	20.2	33.3	11.2	-28.4	31.8	0.8	0.4	-1.0	-2.9	-0.2
9	Nondurable-goods industries	9.8	-0.7	10.4	4.3	-5.9	0.8	-0.3	1.2	-7.5	-8.2
10	Retail trade	15.9	25.3	9.4	-7.1	-12.5	-0.8	0.2	-1.3	11.4	6.6
11	Motor vehicle and parts dealers	12.7	18.3	5.2	-17.0	-45.3	0.5	-1.0	-1.3	5.5	0.5
12	Food and beverage stores	2.0	1.6	0.6	1.0	-0.3	0.0	0.0	0.2	-0.1	-0.2
13	General merchandise stores	-3.1	2.0	-1.8	0.6	10.2	0.0	0.1	0.0	-2.0	2.8
14	Other retail stores	4.7	3.9	5.4	7.4	22.5	-1.3	1.0	-0.3	8.3	3.7
15	Other industries	3.2	6.7	-1.4	11.0	25.8	1.2	0.9	0.2	0.9	17.3
16	Residual	2.0	3.8	1.5	3.6	1.1	0.1	0.3	0.8	1.2	1.2

Note. Levels are from [NIPA table 5.7.6B](#). The chained-dollar series are calculated as the period-to-period change in end-of-period inventories. Because the formula for the chain-type quantity indexes uses weights of more than one period, chained-dollar estimates are usually not additive.

Table A6. Change in Real Private Inventories by Industry
(Billions of Chained (2012) dollars)

Line number	Series	Change from preceding period					Revision in change				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Change in private inventories	0.6	29.8	7.0	-127.7	35.2	2.7	-2.3	-2.4	-10.3	25.5
2	Farm	-0.2	-3.1	-8.7	10.3	4.5	-0.5	-0.4	-0.6	0.8	19.7
3	Mining, utilities, and construction	-21.9	2.5	25.7	-13.9	-10.2	1.2	-1.3	0.7	4.2	-15.0
4	Manufacturing	3.1	13.6	27.9	-75.1	-17.4	-0.1	0.1	-0.4	-18.5	8.2
5	Durable-goods industries	13.3	13.2	16.7	-39.6	-17.5	0.1	-0.2	2.7	-7.6	10.2
6	Nondurable-goods industries	-12.2	-0.4	11.1	-35.9	1.2	-0.2	0.4	-3.6	-11.3	-2.9
7	Wholesale trade	15.4	3.0	-11.6	-46.0	50.6	1.7	-1.5	0.1	-10.5	2.2
8	Durable-goods industries	16.5	13.1	-22.2	-39.5	60.2	0.8	-0.5	-1.3	-1.9	2.7
9	Nondurable-goods industries	-1.6	-10.5	11.1	-6.1	-10.2	0.8	-1.1	1.5	-8.7	-0.7
10	Retail trade	-8.7	9.4	-16.0	-16.5	-5.4	-0.8	1.0	-1.5	12.8	-4.8
11	Motor vehicle and parts dealers	-5.1	5.6	-13.0	-22.2	-28.4	0.5	-1.5	-0.3	6.8	-5.0
12	Food and beverage stores	0.4	-0.4	-1.0	0.4	-1.3	0.0	0.0	0.2	-0.3	-0.1
13	General merchandise stores	-2.3	5.2	-3.8	2.4	9.5	0.0	0.1	-0.1	-2.0	4.8
14	Other retail stores	-1.7	-0.8	1.5	2.0	15.1	-1.3	2.3	-1.3	8.6	-4.6
15	Other industries	11.7	3.6	-8.1	12.4	14.8	1.2	-0.3	-0.6	0.7	16.4

Note. Level changes are calculated from [NIPA table 5.7.6B](#). The chained-dollar series are calculated as the period-to-period change in end-of-period inventories. Because the formula for the chain-type quantity indexes uses weights of more than one period, chained-dollar estimates are usually not additive.

Table A7. Real Exports of Goods and Services: Percent Change from Preceding Period

Line number	Series	Change from preceding period					Revision in percent change				
		Percent (annual rate)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Exports of goods and services	4.3	2.8	0.5	-13.2	6.1	0.2	0.0	0.6	0.4	1.6
2	Exports of goods	4.1	4.2	0.1	-10.1	7.4	0.0	0.0	0.2	0.1	-0.2
3	Foods, feeds, and beverages	0.4	-0.1	-1.3	4.9	-4.7	0.0	0.0	0.0	0.0	4.3
4	Industrial supplies and materials	8.7	6.7	3.4	-2.9	1.9	0.0	0.0	-0.1	0.0	-0.3
5	Capital goods, except automotive	2.5	4.7	-2.6	-16.2	10.9	0.0	0.0	0.5	0.0	-0.5
6	Automotive vehicles, engines, and parts	4.7	-0.2	2.3	-20.8	10.6	0.0	0.0	0.2	0.4	-1.1
7	Consumer goods, except food and automotive	3.4	3.2	-0.6	-15.3	26.4	0.0	0.0	0.0	0.0	-0.9
8	Other	-2.7	4.7	-3.1	-1.8	-1	0.0	0.0	-0.2	0.0	-4.1
9	Exports of services	4.5	0.2	1.2	-18.8	3.3	0.5	0.0	1.3	1.0	4.8
10	Transport	3.7	6.6	-2.2	-36.5	6.7	-0.1	0.0	0.0	0.3	6.7
11	Travel (for all purposes including education)	-0.1	-0.1	-2.7	-63.3	-6.3	0.0	0.0	-0.2	0.0	2.0
12	Charges for the use of intellectual property n.e.c.	2.6	-5	5.1	-6.9	3.6	0.0	0.0	6.0	-4.1	7.5
13	Other business services	7.6	0.4	2.9	0	4.3	1.0	0.0	1.0	2.3	4.1
14	Government goods and services n.e.c.	9.4	7.9	0.3	-3.9	1.6	4.4	-0.5	0.4	1.2	2.4
15	Other	-12.6	-24.1	-23.8	-18.2	28.7	0.0	0.0	0.0	8.3	44.1

n.e.c. Not elsewhere classified

Note. Percent changes are from [NIPA table 4.2.1](#).

Table A8. Real Exports of Goods and Services: Contributions to Percent Change

Line number	Series	Contributions to percent change					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Exports of goods and services	4.3	2.8	0.5	-13.2	6.1	0.20	0.00	0.60	0.40	1.60
	Percentage points at annual rate:										
2	Exports of goods	2.68	2.73	0.07	-6.53	4.96	0.00	0.00	0.11	0.04	-0.10
3	Foods, feeds, and beverages	0.02	-0.01	-0.07	0.26	-0.32	0.00	0.00	0.00	0.00	0.38
4	Industrial supplies and materials	1.55	1.32	0.71	-0.57	0.43	0.00	0.00	-0.01	0.00	-0.04
5	Capital goods, except automotive	0.58	1.03	-0.58	-3.56	2.25	0.00	0.00	0.11	0.01	-0.10
6	Automotive vehicles, engines, and parts	0.31	-0.01	0.14	-1.35	0.60	0.00	0.00	0.01	0.04	-0.14
7	Consumer goods, except food and automotive	0.29	0.26	-0.05	-1.26	2.03	0.00	0.00	0.00	0.01	-0.08
8	Other	-0.08	0.13	-0.09	-0.05	-0.03	0.00	0.00	-0.01	0.00	-0.12
9	Exports of services	1.59	0.07	0.40	-6.71	1.10	0.19	-0.01	0.42	0.28	1.63
10	Transport	0.14	0.24	-0.08	-1.31	0.17	0.00	0.00	0.00	0.02	0.17
11	Travel (for all purposes including education)	0.00	-0.01	-0.22	-5.00	-0.20	0.00	0.00	-0.02	0.04	0.14
12	Charges for the use of intellectual property n.e.c.	0.13	-0.25	0.23	-0.34	0.19	0.00	0.00	0.27	-0.21	0.38
13	Other business services	1.28	0.06	0.50	0.00	0.90	0.16	-0.01	0.17	0.41	0.87
14	Government goods and services n.e.c.	0.08	0.07	0.00	-0.03	0.02	0.04	0.00	0.00	0.02	0.03
15	Other	-0.03	-0.04	-0.03	-0.02	0.03	0.00	0.00	0.00	0.01	0.04

n.e.c. Not elsewhere classified

Note. Contributions are from [NIPA table 4.2.2](#).

Table A9. Real Imports of Goods and Services: Percent Change from Preceding Period

Line number	Series	Change from preceding period					Revision in percent change				
		Percent (annual rate)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Imports of goods and services	4.5	4.2	1.1	-9.0	14.1	0.0	-0.9	0.6	-3.4	-0.5
2	Imports of goods	4.5	5.1	0.5	-5.8	14.5	0.0	0.0	0.0	-0.2	-0.1
3	Foods, feeds, and beverages	2.3	7.7	2.8	3.2	9.3	0.0	0.0	0.1	-0.1	-0.3
4	Industrial supplies and materials	1.4	0.2	-5.2	-8.4	10.0	0.0	0.0	-0.1	-0.2	0.0
5	Capital goods, except automotive	9.4	8.3	-0.6	-4.0	16.6	0.0	0.0	0.0	-0.2	-0.2
6	Automotive vehicles, engines, and parts	2.8	3.6	1.6	-18.1	10.5	0.0	0.0	-0.2	-0.3	0.3
7	Consumer goods, except food and automotive	4.5	7.6	3.4	-0.5	20.7	0.0	0.0	0.0	-0.1	1.2
8	Other	-0.7	-1.3	11.5	-6.5	7.6	0.0	0.0	0.0	0.0	0.7
9	Imports of services	4.6	0.5	4.0	-22.0	12.3	0.3	0.5	0.1	0.6	0.8
10	Transport	2.5	8.7	2.3	-34.6	29.5	0.0	0.0	0.0	0.0	1.7
11	Travel (for all purposes including education)	7.2	7.4	5.0	-74.3	67.5	0.5	2.1	-0.3	-1.2	4.5
12	Charges for the use of intellectual property n.e.c.	3.8	-5.9	-2.6	11.3	-12.7	0.0	0.0	1.3	9.6	-22.5
13	Other business services	5.5	-4.1	5.4	0.8	6.8	0.5	0.2	0.3	-0.1	4.3
14	Government goods and services n.e.c.	-2.0	-1.6	4.7	0.0	-5.4	-0.1	0.7	-0.8	1.1	-2.0
15	Other	-9.0	-2.2	1.7	-30.7	25.6	0.0	0.0	0.2	-0.1	3.8

n.e.c. Not elsewhere classified

Note. Percent changes are from [NIPA table 4.2.1](#).

Table A10. Real Imports of Goods and Services: Contributions to Percent Change

Line number	Series	Contribution to percent change in real imports					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Imports of goods and services	4.5	4.2	1.1	-9	14.1	0.1	0.1	-0.1	-0.1	0.1
	Percentage points at annual rate:										
2	Imports of goods	3.63	4.11	0.40	-4.67	12.08	0.01	0.00	-0.03	-0.13	-0.02
3	Foods, feeds, and beverages	0.11	0.36	0.13	0.16	0.52	0.00	0.00	0.00	0.00	-0.02
4	Industrial supplies and materials	0.24	0.04	-0.93	-1.33	1.72	0.00	0.00	0.00	-0.02	-0.03
5	Capital goods, except automotive	2.01	1.79	-0.13	-0.89	3.76	0.01	0.00	0.00	-0.05	-0.10
6	Automotive vehicles, engines, and parts	0.35	0.43	0.19	-2.21	1.13	0.00	0.00	-0.02	-0.03	-0.08
7	Consumer goods, except food and automotive	0.96	1.54	0.69	-0.11	4.59	0.01	0.00	-0.01	-0.03	0.15
8	Other	-0.03	-0.06	0.45	-0.29	0.34	0.00	0.00	0.00	0.00	0.03
9	Imports of services	0.88	0.10	0.75	-4.29	2.06	0.06	0.11	0.03	0.10	0.15
10	Transport	0.08	0.29	0.08	-1.25	0.79	0.00	0.00	0.00	0.00	0.04
11	Travel (for all purposes including education)	0.28	0.30	0.20	-3.20	0.80	0.01	0.09	-0.01	-0.04	0.05
12	Charges for the use of intellectual property n.e.c.	0.06	-0.09	-0.04	0.16	-0.22	0.00	0.00	0.01	0.14	-0.37
13	Other business services	0.50	-0.38	0.46	0.08	0.69	0.05	0.01	0.03	0.00	0.44
14	Government goods and services n.e.c.	-0.02	-0.01	0.03	0.00	-0.05	-0.01	0.01	-0.01	0.01	-0.02
15	Other	-0.02	-0.01	0.00	-0.07	0.05	0.00	0.00	0.00	0.00	0.01

n.e.c. Not elsewhere classified

Note. Contributions are from [NIPA table 4.2.2](#).

**Table A11. Real Government Consumption Expenditures and Gross Investment (CEGI):
Percent Change from Preceding Period**

Line number	Series	Change from preceding period					Revision in percent change				
		Percent (annual rate)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
1	Government consumption expenditures and gross investment	0.4	1.7	3.3	2.6	0.6	-0.1	0.3	1.1	0.1	0.1
2	Consumption expenditures	-0.1	1.2	3.4	2.2	1.3	-0.1	0.0	1.4	0.2	0.3
3	Gross investment	2.6	3.5	3.1	3.9	-2.3	0.0	1.3	0.2	-0.3	-0.5
4	Federal	0.4	3.0	3.9	6.2	2.3	0.1	0.0	0.1	1.2	1.7
5	National defense	0.9	3.3	5.3	2.9	-1.2	0.0	-0.1	0.1	0.0	-0.3
6	Consumption expenditures	0.4	2.8	4.8	2.0	-2.3	0.1	0.0	-0.1	0.1	0.3
7	Gross investment	3.2	5.7	7.2	6.5	3.0	-0.2	0.1	0.7	-0.4	-2.7
8	Nondefense	-0.3	2.5	1.9	11.2	7.3	0.2	0.0	0.3	3.1	4.5
9	Consumption expenditures	-1.3	1.7	1.3	11.5	10.4	0.3	-0.2	-0.1	2.0	6.4
10	Gross investment	2.8	4.7	3.6	10.2	-1.5	-0.1	0.3	1.3	5.9	-0.8
11	State and local	0.4	0.9	3.0	0.4	-0.5	-0.2	0.5	1.7	-0.5	-0.9
12	Consumption expenditures	0.0	0.6	3.3	0.3	0.4	-0.3	0.2	2.1	-0.1	-1.3
13	Gross investment	2.3	2.3	1.4	0.7	-4.8	0.0	2.1	-0.4	-2.4	0.4

Note. Percent changes are from [NIPA table 3.9.1](#).

**Table A12. Real Government Consumption Expenditures and Gross Investment (CEGI):
Contributions to Percent Change**

Line number	Series	Contribution to percent change in real government CEGI					Revision in contributions to percent change				
		(Percentage points)					(Percentage points)				
		2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
	Percent change at annual rate:										
1	Government consumption expenditures and gross investment	0.4	1.7	3.3	2.6	0.6	-0.1	0.3	1.1	0.1	0.1
	Percentage points at annual rate:										
2	Consumption expenditures	-0.07	0.99	2.69	1.78	1.05	-0.08	0.05	1.06	0.16	0.22
3	Gross investment	0.5	0.69	0.62	0.78	-0.47	-0.01	0.25	0.05	-0.06	-0.12
4	Federal	0.16	1.11	1.46	2.33	0.89	0.03	-0.02	0.05	0.44	0.64
5	National defense	0.2	0.73	1.17	0.65	-0.27	0.00	-0.01	0.01	-0.01	-0.06
6	Consumption expenditures	0.07	0.49	0.86	0.36	-0.41	0.01	-0.01	-0.02	0.02	0.07
7	Gross investment	0.13	0.24	0.31	0.29	0.14	-0.01	0.00	0.03	-0.02	-0.12
8	Nondefense	-0.04	0.38	0.29	1.68	1.17	0.03	-0.01	0.04	0.45	0.71
9	Consumption expenditures	-0.15	0.19	0.14	1.27	1.23	0.03	-0.02	-0.02	0.21	0.75
10	Gross investment	0.11	0.19	0.15	0.41	-0.06	0.00	0.02	0.06	0.24	-0.03
11	State and local	0.27	0.57	1.85	0.22	-0.32	-0.12	0.32	1.06	-0.35	-0.56
12	Consumption expenditures	0.01	0.31	1.69	0.14	0.22	-0.12	0.08	1.10	-0.08	-0.61
13	Gross investment	0.26	0.26	0.16	0.08	-0.54	0.00	0.23	-0.04	-0.27	0.05

Note. Contributions are from [NIPA table 3.9.2](#).

Appendix B: Summary National Income and Product Accounts

Table B1. Summary National Income and Product Accounts, 2021

[Billions of dollars]

Account 1. Domestic income and product account					
Line	Series	2021	Line	Series	2021
1	Compensation of employees, paid	12,549.1	15	Personal consumption expenditures (3-3)	15,902.6
2	Wages and salaries	10,300.8	16	Goods	5,496.5
3	Domestic (3-12)	10,283.2	17	Durable goods	2,060.2
4	Rest of the world (5-15)	17.6	18	Nondurable goods	3,436.3
5	Supplements to wages and salaries (3-14)	2,248.4	19	Services	10,406.1
6	Taxes on production and imports (4-15)	1,663.4	20	Gross private domestic investment	4,113.5
7	Less: Subsidies (4-8)	481.9	21	Fixed investment (6-2)	4,132.6
8	Net operating surplus	5,881.8	22	Nonresidential	3,025.0
9	Private enterprises (2-19)	5,879.8	23	Structures	598.2
10	Current surplus of government enterprises (4-28)	2.1	24	Equipment	1,194.0
11	Consumption of fixed capital (6-14)	3,831.6	25	Intellectual property products	1,232.7
			26	Residential	1,107.6
12	Gross domestic income	23,444.0	27	Change in private inventories (6-4)	-19.1
			28	Net exports of goods and services	-861.7
13	Less: Statistical discrepancy (6-20)	-128.9	29	Exports (5-1)	2,539.6
			30	Imports (5-13)	3,401.4
			31	Government consumption expenditures and gross investment (4-1 plus 6-3)	4,160.7
			32	Federal	1,609.2
			33	National defense	904.0
			34	Nondefense	705.1
			35	State and local	2,551.6
14	Gross domestic product	23,315.1	36	Gross domestic product	23,315.1

Account 2. Private enterprise income account					
Line	Series	2021	Line	Series	2021
1	Income payments on assets	3,113.1	19	Net operating surplus, private enterprises (1-9)	5,879.8
2	Interest and miscellaneous payments (2-21 and 3-20 and 4-22 and 5-17)	2,656.1	20	Income receipts on assets	2,652.8
3	Dividend payments to the rest of the world (5-18)	244.9	21	Interest (2-2 and 3-4 and 4-7 and 5-5)	1,783.4
4	Reinvested earnings on foreign direct investment in the United States (5-19)	212.1	22	Dividend receipts from the rest of the world (5-6)	502.6
5	Business current transfer payments (net)	171.0	23	Reinvested earnings on U.S. direct investment abroad (5-7)	366.8
6	To persons (net) (3-24)	71.0			
7	To government (net) (4-25)	97.4			
8	To the rest of the world (net) (5-23 less 5-11 less 2-14)	2.7			
9	Proprietors' income with IVA and CCAdj (3-17)	1,753.6			
10	Rental income of persons with IVA and CCAdj (3-18)	723.8			
11	Corporate profits with IVA and CCAdj	2,771.1			
12	Taxes on corporate income	388.2			
13	To government (4-16)	374.4			
14	To the rest of the world (5-23)	13.8			
15	Profits after tax with IVA and CCAdj	2,382.8			
16	Net dividends (3-21 plus 4-23)	1,659.3			
17	Undistributed corporate profits with IVA and CCAdj (6-12)	723.6			
18	Uses of private enterprise income	8,532.6	24	Sources of private enterprise income	8,532.6

Account 3. Personal income and outlay account					
Line	Series	2021	Line	Series	2021
1	Personal current taxes (4-14)	2,661.7	10	Compensation of employees	12,538.5
2	Personal outlays	16,389.8	11	Wages and salaries	10,290.1
3	Personal consumption expenditures (1-15)	15,902.6	12	Domestic (1-3)	10,283.2
4	Personal interest payments (2-21 and 3-20 and 4-22 and 5-17)	274.4	13	Rest of the world (5-3)	6.9
5	Personal current transfer payments	212.8	14	Supplements to wages and salaries (1-5)	2,248.4
6	To government (4-26)	110.3	15	Employer contributions for employee pension and insurance funds	1,550.3
7	To the rest of the world (net) (5-21 less 5-9)	102.4	16	Employer contributions for government social insurance	698.1
8	Personal saving (6-11)	2,243.4	17	Proprietors' income with IVA and CCAdj (2-9)	1,753.6
			18	Rental income of persons with CCAdj (2-10)	723.8
			19	Personal income receipts on assets	3,202.4
			20	Personal interest income (2-2 plus 3-4 plus 4-7 plus 5-5 less 2-21 less 4-22 less 5-17)	1,658.6
			21	Personal dividend income (2-16 less 4-23)	1,543.9
			22	Personal current transfer receipts	4,617.3
			23	Government social benefits (4-4)	4,546.4
			24	From business (net) (2-6)	71.0
			25	Less: Contributions for government social insurance, domestic (4-19)	1,540.8
9	Personal taxes, outlays, and saving	21,294.8	26	Personal income	21,294.8

Account 4. Government receipts and expenditures account					
Line	Series	2021	Line	Series	2021
1	Consumption expenditures (1-31)	3,353.7	13	Current tax receipts	4,730.1
2	Current transfer payments	4,639.9	14	Personal current taxes (3-1)	2,661.7
3	Government social benefits	4,577.6	15	Taxes on production and imports (1-6)	1,663.4
4	To persons (3-23)	4,546.4	16	Taxes on corporate income (2-13)	374.4
5	To the rest of the world (5-22)	31.2	17	Taxes from the rest of the world (5-10)	30.6
6	Other current transfer payments to the rest of the world (5-22)	62.3	18	Contributions for government social insurance	1,546.2
7	Interest payments (2-21 and 3-20 and 4-22 and 5-17)	866.7	19	From persons (3-25)	1,540.8
8	Subsidies (1-7)	481.9	20	From the rest of the world (5-10)	5.4
9	Net government saving (6-13)	-2,610.5	21	Income receipts on assets	242.0
10	Federal	-2,835.3	22	Interest and miscellaneous receipts (2-2 and 3-4 and 4-7 and 5-5)	126.6
11	State and local	224.9	23	Dividends (2-16 less 3-21)	115.4
			24	Current transfer receipts	211.4
			25	From business (net) (2-7)	97.4
			26	From persons (3-6)	110.3
			27	From the rest of the world (5-10)	3.7
			28	Current surplus of government enterprises (1-10)	2.1
12	Government current expenditures and net saving	6,731.8	29	Government current receipts	6,731.8

Account 5. Foreign transactions current account					
Line	Series	2021	Line	Series	2021
1	Exports of goods and services (1-29)	2,539.6	13	Imports of goods and services (1-30)	3,401.4
2	Income receipts from the rest of the world	1,087.0	14	Income payments to the rest of the world	913.9
3	Wage and salary receipts (3-13)	6.9	15	Wage and salary payments (1-4)	17.6
4	Income receipts on assets	1,080.1	16	Income payments on assets	896.3
5	Interest (2-21 and 3-20 and 4-22)	210.7	17	Interest (2-2 and 3-4 and 4-7)	439.3
6	Dividends (2-22)	502.6	18	Dividends (2-3)	244.9
7	Reinvested earnings on U.S. direct investment abroad (2-23)	366.8	19	Reinvested earnings on foreign direct investment in the United States (2-4)	212.1
8	Current taxes, contributions for government social insurance, and transfer receipts from the rest of the world	176.8	20	Current taxes and transfer payments to the rest of the world	349.6
9	To persons (5-21 less 3-7)	7.0	21	From persons (3-7)	109.4
10	To government (4-17 plus 4-20 plus 4-27)	39.7	22	From government (4-5 plus 4-6)	93.6
11	To business (2-8)	130.1	23	From business (2-8 and 2-14)	146.6
			24	Balance on current account, national income and product accounts (7-1)	-861.4
12	Current receipts from the rest of the world	3,803.5	25	Current payments to the rest of the world and balance on current account, NIPAs	3,803.5

Account 6. Domestic capital account					
Line	Series	2021	Line	Series	2021
1	Gross domestic investment	4,920.5	10	Net saving	356.5
2	Private fixed investment (1-21)	4,132.6	11	Personal saving (3-8)	2,243.4
3	Government fixed investment (1-31)	807.0	12	Undistributed corporate profits with IVA and CCAdj (2-17)	723.6
4	Change in private inventories (1-27)	-19.1	13	Net government saving (4-9)	-2,610.5
5	Capital account transactions (net) (7-2)	3.6	14	Plus: Consumption of fixed capital (1-11)	3,831.6
6	Transfer payments for catastrophic losses (net) (7-3)	3.5	15	Private	3,184.5
7	Other capital account transactions (7-4)	0.1	16	Government	647.1
8	Net lending or net borrowing (-), national income and product accounts (7-5)	-865.0	17	General government	559.5
			18	Government enterprises	87.6
			19	Equals: Gross saving	4,188.1
			20	Statistical discrepancy (1-13)	-128.9
9	Gross domestic investment, capital account transactions (net), and net lending, NIPAs	4,059.1	21	Gross saving and statistical discrepancy	4,059.1

Account 7. Foreign transactions capital account					
Line	Series	2021	Line	Series	2021
			2	Capital account transactions (net) (6-5)	3.6
			3	Transfer payments for catastrophic losses (net) (6-6)	3.5
			4	Other capital account transactions (6-7)	0.1
			5	Net lending or net borrowing (-), national income and product accounts (6-8)	-865.0
1	Balance on current account, NIPAs (5-24)	-861.4	6	Capital account transactions (net) and net lending, NIPAs (6-5)	-861.4

CCAdj Capital consumption adjustment
IVA Inventory valuation adjustment
NIPAs National Income and Product Accounts

Note. The seven summary accounts constitute a double-entry accounting system in which each of the entries in a summary account appears again in that account or in one of the other summary accounts. The numbers in parentheses indicate these "counterentries." In some cases, an entry may be equal to another entry in the summary accounts. For example, supplements to wages and salaries appears in account 1, line 5 and in account 3, line 14. In other cases, an entry may be equal to a combination of other entries (or of parts of other entries). For example, for private enterprise interest payments (account 2, line 2), the counterentry includes parts of private enterprise interest receipts (account 2, line 21), of personal interest income (account 3, line 20), of government interest receipts (account 4, line 22), and of interest payments to the rest of the world (account 5, line 17).

Appendix C: Industry Source Data Tables

Table C1. Principal Data Sources for Industry and Commodity Output and Prices

Industry and commodity	2012 benchmark-year sources	Nonbenchmark-year sources	Source for price indexes
Agriculture, forestry, fishing and hunting			
Farms	BEA NIPA statistics based on USDA ERS data	Farm output from BEA NIPAs based on USDA ERS data	NIPA prices based on USDA price indexes received by farmers
Forestry, fishing, and related activities	For forestry, logging, hunting, and trapping, BEA NIPA farm output; for fishing, commercial landings data from NOAA, Census Bureau 2012 Economic Census NAICS Sector 11, and ERS data	For forestry, logging, hunting, and trapping, BEA NIPA farm output; for fishing, commercial landings data from NOAA, Census Bureau M3 data, and ERS data	BLS PPI, NIPA PCE prices, USDA/National Agricultural Statistics Service unit prices
Mining			
Oil and gas extraction	Census Bureau 2012 Economic Census, NAICS Sector 21, Mining	EIA data on quantities produced and prices	BLS PPI and EIA
Mining, except oil and gas	Census Bureau 2012 Economic Census, NAICS Sector 21, Mining	For coal mining, <i>EIA U.S. Coal Supply and Demand in Review</i> ; for uranium, <i>EIA Uranium Marketing Annual Report</i> ; for all other, USGS Mineral Commodity Summaries and Mineral Industry Survey	EIA, USGS, and BLS PPI
Support activities for mining	Census Bureau 2012 Economic Census, NAICS Sector 21, Mining	For mining exploration, trade source data on drilling costs and footage drilled; all other support activities, USGS <i>Mineral Commodity Summaries</i>	EIA, USGS, BLS PPI, and trade sources
Utilities			
Utilities	For electric power generation, transmission, and distribution; natural gas distribution; and water, sewage, and other systems, Census Bureau 2012 Economic Census	For electric power generation transmission and distribution, EIA forms 861 and 861M; for natural gas distribution, EIA form 176 and <i>Natural Gas Monthly</i> ; for water, sewage, and other systems, Census Bureau SAS	BLS CPI and BLS PPI
Construction			
Residential	Census Bureau VIP survey	Census Bureau VIP survey	Census Bureau price deflator for multi-family home construction, composite price of new single-family houses under construction and the Turner Cost Index, and BEA prices
Nonresidential	Census Bureau VIP survey	Census Bureau VIP survey, DOD expenditures, USDA expenditures, and BLS occupational employment statistics	BLS PPI and BEA composite prices based on trade source data and on the Census Bureau price deflator for single-family houses under construction
Manufacturing			
Manufacturing	Census Bureau 2012 Economic Census, NAICS Sector 31-33, Manufacturing	Census Bureau ASM data, M3 shipments and inventories data, nonemployer survey data, EIA production data, FRB data, and BLS PPI	BLS PPI and NIPA prices based on DOD prices paid for military equipment, and NIPA hedonic prices
Wholesale trade			
Wholesale trade	Census Bureau 2012 Economic Census, NAICS Sector 42, Wholesale Trade; Census Bureau 2012 Annual Wholesale Trade Survey	Census Bureau Monthly Wholesale Trade Survey and Annual Wholesale Trade Survey	BLS PPI and NIPA sales deflators
Retail trade			
Retail trade	Census Bureau 2012 Economic Census, NAICS Sector 44-45, Retail Trade; Census Bureau 2012 ARTS	Census Bureau Monthly Retail Trade Survey and ARTS	BLS PPI and NIPA sales deflators
Transportation and warehousing			
Air transportation	Census Bureau, 2012 Economic Census, NAICS Sector 48-49, Transportation and Warehousing; DOT BTS	Census Bureau SAS data; DOT BTS Air Carrier Financial Statistics (ACFS) and U.S. Air Carrier Traffic Statistics (ACTS); for 2021 only Census Bureau QSS data	BLS PPI
Rail transportation	For rail passenger, Amtrak Annual Report; for rail freight, DOT STB selected earning data	For rail passenger, Amtrak Annual Report; for rail freight, DOT STB selected earning data	BLS PPI
Water transportation	Census Bureau, 2012 Economic Census, NAICS Sector 48-49, Transportation and Warehousing	Census Bureau SAS data; for 2021 only Census Bureau QSS data	For freight, BLS PPI; for passenger, BLS CPI
Truck transportation	Census Bureau, 2012 Economic Census, NAICS Sector 48-49, Transportation and Warehousing	Census Bureau SAS data; for 2021 only Census Bureau QSS data	BLS PPI
Transit and ground passenger transportation	Census Bureau, 2012 Economic Census, NAICS Sector 48-49, Transportation and Warehousing	Census Bureau SAS data; for 2021 only Census Bureau QSS data	NIPA PCE prices
Pipeline transportation	Census Bureau, 2012 Economic Census, NAICS Sector 48-49, Transportation and Warehousing	Census Bureau SAS data; for 2021 only Census Bureau QSS data	BLS PPI
Other transportation and support activities	Census Bureau, 2012 Economic Census, NAICS Sector 48-49, Transportation and Warehousing	Census Bureau SAS data; for 2021 only Census Bureau QSS data	BLS PPI and NIPA PCE prices
Warehousing and storage	Census Bureau, 2012 Economic Census, NAICS Sector 48-49, Transportation and Warehousing	Census Bureau SAS data; for 2021 only Census Bureau QSS data	BLS PPI

Industry and commodity	2012 benchmark-year sources	Nonbenchmark-year sources	Source for price indexes
Information			
Publishing industries, except internet (includes software)	Census Bureau 2012 Economic Census, NAICS Sector 51, Information	Census Bureau SAS data; for 2021 only, Census Bureau QSS data	BLS PPI and BEA price indexes for software
Motion picture and sound recording industries	Census Bureau 2012 Economic Census, NAICS Sector 51, Information	Census Bureau SAS data; for 2021 only, Census Bureau QSS data	NIPA PCE prices
Broadcasting and telecommunications	Census Bureau 2012 Economic Census, NAICS Sector 51, Information	Census Bureau SAS data; for 2021 only, Census Bureau QSS data	BLS PPI
Data processing, internet publishing, and other information services	Census Bureau 2012 Economic Census, NAICS Sector 51, Information	Census Bureau SAS data; for 2021 only, Census Bureau QSS data	BLS PPI and NIPA PCE prices
Finance and insurance			
Federal Reserve banks, credit intermediation, and related activities	Census Bureau 2012 Economic Census, NAICS Sector 52, Finance and Insurance; IRS Statistics of Income; FRB 2012 Annual Report; and FDIC, 2012 Statistics on Banking	Census Bureau SAS data; for 2021 only, Census Bureau QSS data	FRB-priced services and NIPA PCE prices
Securities, commodity contracts, and investments	Census Bureau 2012 Economic Census, NAICS Sector 52, Finance and Insurance; IRS Statistics of Income; and New York Stock Exchange, 2012 Annual Report	Census Bureau SAS data; for 2021 only Census Bureau QSS data; NIPA PCE, BLS QCEW data, and NIPA R&D data	BLS PPI and NIPA PCE prices
Insurance carriers and related activities	AM Best Company statistics; Census Bureau 2012 Economic Census, NAICS Sector 52, Finance and Insurance; American Council of Life Insurers Handbook; BEA NIPA statistics on medical and hospital insurance premiums	For property and casualty insurance, life insurance, and reinsurance, A M Best Company statistics and Census Bureau SAS (for 2021 only, Census Bureau QSS data); for medical and hospitalization insurance, private trade source data and BEA NIPA statistics on medical and hospital insurance premiums	BLS PPI and NIPA PCE prices
Funds, trusts, and other financial vehicles	NIPA imputed service charges for other financial institutions	NIPA imputed service charges for other financial institutions	NIPA PCE prices
Real estate and rental and leasing			
Real estate	Census Bureau 2012 Economic Census, NAICS Sector 53, Real Estate and Rental and Leasing; For residential dwellings, NIPA housing data and USDA data on farm housing; for nonresidential structures, IRS tabulations of business tax returns, NIPA rental value of buildings owned by nonprofit institutions serving households, and NIPA foreign trade statistics	For residential dwellings, NIPA housing data and USDA data on farm housing; for nonresidential structures, IRS tabulations of business tax returns, NIPA rental value of buildings owned by nonprofit institutions serving households, and NIPA foreign trade statistics	For residential dwellings, NIPA PCE prices and NIPA implicit price deflators for farm rents paid; for nonresidential structures, BLS PPI; for real estate managers and agents, BLS PPI and trade source data
Rental and leasing services and lessors of intangible assets	Census Bureau 2012 Economic Census, NAICS Sector 53, Real Estate and Rental and Leasing; for royalties, IRS tabulations of business tax returns	For rental and leasing services, Census Bureau SAS data; for royalties, IRS tabulations of business tax returns	BLS PPI, BTS and construction index, mining, crude oil receipts, and trade source data
Professional, scientific, and technical services			
Legal services	Census Bureau 2012 Economic Census, NAICS Sector 54, Professional, Scientific, and Technical Services	Census Bureau SAS data; for 2021 only Census Bureau QSS data, BLS QCEW data	BLS PPI and NIPA PCE prices
Computer systems design and related services	Census Bureau 2012 Economic Census, NAICS Sector 54, Professional, Scientific, and Technical Services	Census Bureau SAS data; for 2021 only Census Bureau QSS data	BEA price indexes for software
Miscellaneous professional, scientific, and technical services	Census Bureau 2012 Economic Census, NAICS Sector 54, Professional, Scientific, and Technical Services	Census Bureau SAS data; for 2021 only Census Bureau QSS data; NIPA PCE, BLS QCEW data, and NIPA R&D data	BLS PPI, NIPA PCE prices, and BEA price indexes for R&D
Management of companies and enterprises			
Management of companies and enterprises	Census Bureau 2012 Economic Census, NAICS Sector 55, Management of Companies and Enterprises	BLS QCEW data	BLS PPI
Administrative and waste management services			
Administrative and waste management services	Census Bureau 2012 Economic Census, NAICS Sector 56, Administrative and Support and Waste Management and Remediation Services	Census Bureau SAS data; for 2021 only Census Bureau QSS data; BLS QCEW for auxiliary industries	BLS PPI and NIPA PCE prices
Educational Services			
Educational Services	Census Bureau 2012 Economic Census, NAICS Sector 61, Educational Services; Department of Education, National Center for Education Statistics, 2012 Digest of Education Statistics	PCE data for education services based on data from the Department of Education and data from BLS consumer expenditure survey	NIPA PCE prices
Health care and social assistance			
Health care and social assistance	Census Bureau 2012 Economic Census, NAICS Sector 62, Health Care and Social Assistance	Census Bureau SAS data; for 2021 only Census Bureau QSS data	BLS PPI and NIPA PCE prices

Industry and commodity	2012 benchmark-year sources	Nonbenchmark-year sources	Source for price indexes
Arts, entertainment, and recreation			
Arts, entertainment, and recreation	Census Bureau 2012 Economic Census, NAICS Sector 71, Arts, Entertainment, and Recreation	Census Bureau SAS data; for 2021 only Census Bureau QSS data	BLS PPI and NIPA PCE prices
Accommodation and food services			
Accommodation	Census Bureau 2012 Economic Census, NAICS Sector 72, Accommodation and Food Services	For hotels and motels, PCE; for all other traveler accommodations and bed and breakfasts, BLS QCEW data	BLS PPI and NIPA PCE prices
Food services and drinking places	Census Bureau 2012 Economic Census, NAICS Sector 72, Accommodation and Food Services	Census Bureau ARTS data	NIPA PCE prices
Other services, except government			
Other services, except government	For religious, grant making, civic, and other nonprofit services; personal services and dry cleaning services; and repair and maintenance: 2012 Economic Census taxable revenue and tax-exempt expenses, NIPA PCE, NIPA WS; for private household services, PCE	For religious, grant making, civic, and other nonprofit services, personal services, and dry cleaning services, Census Bureau SAS data, for 2021 only Census Bureau QSS data, PCE, and data from the National Center for Charitable Statistics; for repair and maintenance, BLS QCEW; for private household services, PCE	BLS PPI and NIPA PCE prices
Federal			
General government	Federal budget data; Center for Medicare and Medicaid Services; BLS Current Employment Statistics	NIPA government expenditure statistics; for federal structures, DOD investment expenditures	NIPA prices based on BLS PPI and CPI; for military facilities, DOD data on employment, prices for military construction, and construction cost indexes from trade source data
Government enterprises	U.S. Postal Service receipts; EIA data for electric utilities; FHA data; federal government agency reports for specific federal enterprises	U.S. Postal Service receipts; EIA data for electric utilities; FHA data; government agency data for specific federal enterprises	BLS PPI
State and local			
General government	Census Bureau 2012 Census of Governments; Census Bureau 2012 Government Finances; Census Bureau 2012 Public Employment	NIPA government expenditure statistics	BLS PPI and NIPA PCE prices
Government enterprises	Census Bureau 2012 Census of Governments; Census Bureau 2012 Government Finances; Census Bureau 2012 Public Employment; Alaska Railroad Administration data for Alaskan ferries, watersports, and airports; for electric utilities, EIA data; for state and local government structures, Census Bureau VIP survey	NIPA statistics on government enterprises based on the Census Bureau annual survey of government finances; for Alaskan ferries, watersports, and airports, Alaska Railroad Administration; for electric utilities, EIA data; for state and local government structures, Census Bureau VIP survey	BLS PPI and NIPA PCE prices

ARTS	Annual Retail Trade Survey
ASM	Annual Survey of Manufactures
BEA	Bureau of Economic Analysis
BLS	Bureau of Labor Statistics
BTS	Bureau of Transportation Statistics
CPI	Consumer Price Index
DOD	Department of Defense
DOE	Department of Energy
DOT	Department of Transportation
EIA	Energy Information Administration
ERS	Economic Research Service
FDIC	Federal Deposit Insurance Corporation
FHA	Federal Housing Administration
FRB	Federal Reserve Board
IRS	Internal Revenue Service
ITAs	International Transactions Accounts
M3	Manufacturers' Shipments, Inventories, and Orders

NAICS	North American Industry Classification System
NIPA	National Income and Product Accounts
NOAA	National Oceanic and Atmospheric Administration
PCE	Personal Consumption Expenditures
PPI	Producer Price Index
QCEW	Quarterly Census of Employment and Wages
R&D	Research and development
SAS	Service Annual Survey
SEC	Securities and Exchange Commission
SOI	Statistics of Income
STB	Surface Transportation Board
USDA	United States Department of Agriculture
USGS	United States Geological Survey
VIP	Value of Construction Put in Place Survey

Table C2. Principal Data Sources and Methods for Estimating Intermediate Inputs and Value Added

Intermediate inputs ¹	
Agriculture, forestry, fishing, and hunting	Inputs to the agriculture, forestry, fishing, and hunting industries were estimated from U.S. Department of Agriculture 2012 Census of Agriculture or by extrapolating 2007 benchmark I-O estimates.
Mining	Inputs to the mining industries were estimated primarily from 2012 Economic Census mining sector reports. Detailed expense data used to estimate intermediate inputs included accounting, auditing, and bookkeeping services; advertising and promotional expenses; communication services; legal services; purchased electricity; purchased fuels consumed; rental payments for buildings and other structures; rental payments for machinery and equipment; supplies used and minerals received; and all other operating expenses.
Construction	Inputs to the construction industries were estimated primarily from 2012 Economic Census construction data.
Manufacturing	Inputs to the manufacturing industries were estimated primarily from 2012 Economic Census manufacturing sector reports. Detailed expense data used to estimate intermediate inputs included accounting, auditing, and bookkeeping services; advertising and promotional services; communication services; legal services; management consulting and administrative services; materials, parts, containers, packaging, etc. used; purchased computer services; purchased electricity; purchased fuels; refuse removal services; rental payments for buildings and other structures; rental payments for machinery and equipment; repair and maintenance services of buildings and/or machinery; and all other operating expenses. Inputs were also interpolated using the 2007 benchmark I-O estimates and ASM data.
Wholesale trade, retail trade, and accommodation and food services	Inputs to the wholesale trade, retail trade, and accommodation and food services industries were estimated primarily from the Census Bureau 2012 AWTS and ARTS quinquennial Business Expenses Supplement. Detailed expense data used to estimate intermediate inputs included packaging materials and containers; data processing and other purchased computer services; communication services; repairs and maintenance to machinery and equipment; repairs and maintenance to buildings, structures, and offices; rental payments for machinery and equipment; rental payments for buildings, offices, and stores; purchased electricity; purchased fuels (except motor fuels); water, sewer, refuse removal, and other utility payments; purchased transportation, shipping, and warehousing services; purchased advertising and promotional services; and purchased professional and technical services. Inputs were also interpolated using the 2007 benchmark I-O estimates.
Services, transportation and warehousing, and utilities	For selected Census-covered industries, information from the 2012 SAS on operating expenses was used. Detailed expense data used to estimate intermediate inputs included materials, parts, and supplies (not for resale); purchased electricity; purchased fuels (except motor fuels); rental payments for machinery, equipment, and other tangible items; rental payments for buildings, structures, and land; repairs and maintenance to machinery and equipment; repairs and maintenance to buildings, structures, and offices; advertising and promotional services; printing services; data processing and other purchased computer services; communication services; water, sewer, refuse removal, and other utilities; professional and technical services; and all other operating expenses. For industries not covered by Census, inputs were estimated from a variety of sources, including data from the 2012 SAS on operating expenses, and data from Amtrak, Department of Transportation Surface Transportation Board, Alaska Rail, Department of Energy, and Federal Reserve Board.
Value added	
Compensation of employees	Tabulations of wages and salaries from the Bureau of Labor Statistics QCEW program, and estimates of supplements to wages and salaries from the NIPAs were used; data were adjusted for misreporting and I-O industry definitions. For industries not covered by the QCEW, payroll data from the 2012 Economic Census were used; data were adjusted for misreporting and I-O industry definitions. Benefits data were based on the relationship between the Economic Census, SAS, and Business Expenses Supplement reported benefits and payroll data, applied to the 2012 QCEW wage and salary data. For the remaining industries, benefits were estimated using indirect techniques. All estimates were adjusted to sum to total compensation by industry in the NIPAs.
Taxes on production and imports less subsidies	The estimates by industry were prepared in two parts: For excise and general sales taxes, the values were estimated either as part of each industry's output or directly assigned; for other taxes, assessments and license fees, the estimates were distributed on the basis of a variety of source data, including state government tax collections statistics, the ASM, ARTS, AWTS and SAS. For all other tax liabilities, estimates were distributed to industries using indirect techniques. Subsidies are directly assigned to specific industries based on which industry is collecting the subsidy. All estimates were adjusted to balance to total taxes on production and imports less subsidies, by industry in the national income and product accounts.
Gross operating surplus	For most industries, gross operating surplus reflects a quality-weighted average of a residual estimate (total industry output less total intermediate inputs, compensation of employees, and taxes on production and imports less subsidies) and a direct estimate based on summing up the components of gross operating surplus from the NIPAs, adjusted to an establishment basis. NIPA estimates of gross operating surplus are primarily based on IRS Statistics of Income data. ²

ARTS	Annual Retail Survey
ASM	Annual Survey of Manufactures
AWTS	Annual Wholesale Trade Survey
I-O	Input-Output
NIPAs	National Income and Product Accounts
QCEW	Quarterly Census of Employment and Wages
SAS	Service Annual Survey

1. Estimates for intermediate inputs were adjusted during the process of balancing commodity purchases across industries with commodity output totals.

2. See Dylan G. Rassier, Thomas F. Howells III, Edward T. Morgan, Nicholas R. Empey, and Conrad E. Roesch, "Integrating the 2002 Benchmark Input-Output Accounts with the 2002 Annual Industry Accounts," *Survey of Current Business* 87 (December 2007): 14–22.

Table C3. Principal Data Sources for Quarterly Industry and Commodity Output and Prices

Industry and commodity	Source data for current-dollar statistics	Source for price indexes
Agriculture, forestry, fishing, and hunting		
Farms	Farm output from the BEA NIPAs based on USDA ERS data	NIPA prices based on USDA price indexes received by farmers
Forestry, fishing, and related activities	For forestry, FRB IPI and BLS PPI; for fishing, commercial fishery landings data from NOAA, and Census M3 data	BLS PPI and USDA National Agriculture Statistics Services unit prices
Mining		
Oil and gas extraction	FRB IPI and BLS PPI	BLS PPI
Mining, except oil and gas	FRB IPI and BLS PPI	BLS PPI
Support activities for mining	FRB IPI, BLS PPI, and NIPA fixed investment in mining exploration based on trade source data	BLS PPI and NIPA prices based on trade source data
Utilities		
Utilities	For electric power generation, transmission, and distribution, EIA form 861M; for natural gas distribution, EIA <i>Natural Gas Monthly</i> ; for water, sewage, and other systems, Census Bureau QSS	BLS CPI and BLS PPI
Construction		
Residential	NIPA fixed investment in structures based primarily on Census Bureau VIP survey	Census Bureau price deflator for multi-family home construction, composite price of new single-family houses under construction and the Turner Cost Index, and BEA prices
Nonresidential	NIPA fixed investment in structures based primarily on Census Bureau VIP survey	BEA composite prices based on trade source data and on data from the Bureau of Reclamation and BLS PPI
Manufacturing		
Manufacturing	Census Bureau M3 and NIPA electronic computer shipments; for petroleum products, EIA production data and BLS PPI	BLS PPI and NIPA price indexes based on DOD prices paid for military equipment and NIPA hedonic prices
Wholesale trade		
Wholesale trade	Census Bureau Monthly Wholesale Trade Survey data	BLS PPI and NIPA sales deflators
Retail trade		
Retail trade	Census Bureau Monthly Retail Trade Survey data	BLS PPI and NIPA sales deflators
Transportation and warehousing		
Transportation and warehousing	For air transportation, NIPA PCE and Census Bureau QSS data; for rail transportation, Surface Transportation Board freight earnings data; for water, truck, transit and ground passenger, pipeline transportation, and warehousing, Census Bureau QSS data	For air transportation, BLS PPI; for rail, BLS PPI for rail passenger transportation and BLS PPI for freight; water transportation, BLS PPI, BLS CPI, and trade source data; for truck transportation, BLS PPI; for transit and ground passenger transportation, NIPA PCE prices; for pipeline transportation, BLS PPI; for warehousing, BLS PPI; for other transportation and support activities, NIPA PCE prices and BLS PPI
Information		
Information	Census Bureau QSS data, BLS QCEW, and box office revenues from trade source data	For publishing industries (including software), BEA prices for software and BLS PPI; for information and data processing, NIPA PCE prices and BLS PPI
Finance and insurance		
Federal Reserve banks, credit intermediation, and related activities	Census Bureau QSS data, Federal Deposit Insurance Corporation commercial bank call report data, FBR data, National Credit Union Administration data, and NIPA measures of financial services indirectly measured	NIPA PCE prices
Securities, commodity contracts, and investments	Census Bureau QSS data and Securities and Exchange Commission <i>Financial and Operational Combined Uniform Single Reports</i>	BLS PPI and NIPA PCE prices
Insurance carriers and related activities	NIPA PCE, Census Bureau QSS data, and trade source data	BLS PPI and NIPA PCE prices
Funds, trusts, and other financial vehicles	NIPA PCE and NIPA imputed service charges for other financial institutions	NIPA PCE prices
Real estate and rental and leasing		
Real estate	For residential dwellings, NIPA PCE, and NIPA housing data; for nonresidential structures, NIPA government receipts, NIPA private fixed investment, NIPA brokers' commissions, BEA foreign expenditures from the international transactions accounts, and BLS QCEW data	For residential dwellings, NIPA PCE prices and NIPA implicit price deflators for farm rents paid; for nonresidential structures, BLS PPI and NIPA implicit price deflators for nonprofit imputed rents
Rental and leasing services and lessors of intangible assets	For rental and leasing services, Census Bureau QSS data, NIPA royalty income, and NIPA PCE rental income	BLS PPI and NIPA prices
Professional, scientific, and technical services	Census Bureau QSS data, NIPA PCE data, BLS QCEW data, and NIPA R&D data	For legal services, BLS PPI and NIPA PCE prices; for computer systems design and related services, BEA price indexes for software; for miscellaneous services, BLS PPI, NIPA PCE prices, and BEA price index for R&D
Management of companies and enterprises		
Management of companies and enterprises	BLS QCEW data	BLS PPI
Administrative and waste management services		
Administrative and waste management services	Census Bureau QSS data and BLS QCEW data	BLS PPI and NIPA PCE prices

Industry and commodity	Source data for current-dollar statistics	Source for price indexes
Educational Services		
Educational Services	Census Bureau QSS data and NIPA PCE data	NIPA PCE prices based on trade source data for input costs
Health care and social assistance	Census Bureau QSS data	For ambulatory health care services, NIPA PCE prices based on BLS CPI and BLS PPI; for hospitals and nursing and residential care facilities, NIPA PCE prices based on BLS CPI and Center for Medicare and Medicaid Services; for social assistance, NIPA PCE prices based on trade source data
Arts, entertainment, and recreation		
Arts, entertainment, and recreation	Census Bureau QSS data	BLS PPI and NIPA PCE prices
Accommodation and food services		
Accommodation and food services	Census Bureau QSS data and Monthly Retail Trade Survey data	For accommodation, BLS PPI and NIPA PCE prices; for food services, NIPA PCE prices
Other services, except government		
Other services, except government	For repair and maintenance, personal services, and grantmaking, civic, professional, and similar organizations, Census Bureau QSS data; for religious, labor, and political organizations, NIPA PCE data; for private households, NIPA compensation	BLS PPI and NIPA PCE prices
Federal		
General government	NIPA government expenditures statistics	NIPA prices based on BLS PPI, BLS CPI, DOD data on employment prices, BLS employment cost indexes, and construction cost indexes from trade source data
Government enterprises	U.S. Postal Service quarterly reports, EIA monthly data for electric utility sales and revenue data for publicly owned utilities, and NIPA PCE data for broader aggregates for other components	BLS PPI and NIPA PCE prices
State and local		
General government	NIPA government expenditures statistics	NIPA PCE prices
Government enterprises	NIPA statistics on government enterprises based on the Census Bureau Annual Survey of Government Finances; for Alaskan ferries, water ports, and airports, Alaska Railroad Administration; for electric utilities, EIA data; for state and local government structures, Census Bureau VIP Survey	BLS PPI and NIPA PCE prices

BEA	Bureau of Economic Analysis
BLS	Bureau of Labor Statistics
CPI	Consumer Price Index
DOD	Department of Defense
EIA	Energy Information Administration
ERS	Economic Research Service
FRB	Federal Reserve Board
IPI	Industrial production index
M3	Manufacturers' Shipments, Inventories, and Orders
NAICS	North American Industry Classification System

NIPA	National Income and Product Accounts
NOAA	National Oceanic and Atmospheric Administration
PCE	Personal Consumption Expenditures
PPI	Producer Price Index
QCEW	Quarterly Census of Employment and Wages
QSS	Quarterly Services Survey
R&D	Research and development
USDA	United States Department of Agriculture
VIP	Value of Construction Put in Place Survey

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1. For more information, see [“GDP and the Economy: Third Estimates for the Second Quarter of 2020,”](#) *Survey of Current Business* 100 (October 2020).
 2. More detailed information on the methodologies for preparing the estimates are available on BEA's website. For information on the methodology used for preparing annual and quarterly NIPA estimates, see [NIPA Handbook: Concepts and Methods of the National Income and Product Accounts](#) on BEA's website; the handbook is updated each year after the annual update of the NIPAs to reflect improvements to source data and methods. For information on the methodology used for preparing the annual industry statistics, see Donald D. Kim, Erich H. Strassner, and David B. Wasshausen, [“Industry Economic Accounts: Results of the Comprehensive Revision and Revised Statistics for 1997–2012,”](#) *Survey* 94 (February 2014). For information on the methodology used for preparing the 2012 benchmark input-output tables, see [Concepts and Methods of the U.S. Input-Output Accounts](#) on the BEA website. For information on the methodology used for preparing the quarterly statistics, see Erich H. Strassner and David B. Wasshausen, [“New Quarterly Gross Domestic Product by Industry Statistics,”](#) *Survey* 94 (May 2014).
 3. In this article, “consumer spending” refers to “personal consumption expenditures,” “inventory investment” refers to “change in private inventories,” and “government spending” refers to “government consumption expenditures and gross investment.”
 4. Previously published estimates were based on projections prepared by the Congressional Budget Office (CBO), the Joint Committee on Taxation, and Treasury's Office of Tax Analysis. CBO noted that the use of these tax credits was lower than initially projected, in part because subsequent legislation limited the eligibility for the credits. For instance, businesses that received forgivable loans as part of the Paycheck Protection Program were restricted in their ability to claim Employee Retention Credits.

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This article was prepared by Lisa S. Mataloni and Stephanie H. McCulla.

Updated Summary of NIPA Methodologies

The U.S. Bureau of Economic Analysis (BEA) recently improved its estimates of current-dollar gross domestic product (GDP), current-dollar gross domestic income (GDI), and real GDP as part of the 2022 annual update of the National Economic Accounts (NEA), which includes the National Income and Product Accounts (NIPAs) and the Industry Economic Accounts.¹ The sources of data and the methodologies that are now used to prepare the NIPA estimates are summarized in this report.²

Current-dollar estimates of GDP and GDI

The major components and subcomponents of GDP and GDI are listed in [table 1](#). In column 1 of the table, the name of the component is shown along with the current-dollar estimate of that component for 2021. Column 2 presents information about the sources of data and the methods used to prepare the estimates for the comprehensive benchmark updates and for the annual updates in nonbenchmark years. Major differences between the data and methods used in the benchmark updates and those used in the annual updates are also noted. For example, for “Furnishings and durable household equipment” in personal consumption expenditures (PCE) (the second item in table 1), the table indicates that one methodology (commodity flow) is used to prepare the estimates for benchmark years, and another methodology (retail control) is used to prepare the estimates for all the other years.

Column 3 presents information about the current quarterly estimates. For most components, information about the advance quarterly estimates, which are prepared about a month after the end of the quarter, is provided because more attention tends to be focused on this “first look” at GDP for a quarter. Major source data that become available for the “second” or “third” quarterly estimates for some NIPA components are also noted. Only the source data and methods are listed; the number of months of available source data and information about whether the source data will be revised by the source agency are not included.³

Table 1. Source Data and Methods for Current-Dollar Gross Domestic Product and Current-Dollar Gross Domestic Income

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Gross domestic product of \$23,315.1 billion for 2021		
Personal consumption expenditures (\$15,902.6 billion)		
Goods (\$5,496.5 billion)		
Durable goods (\$2,060.2 billion)		
Motor vehicles and parts (\$688.7 billion)	<p>Benchmark years. For new motor vehicles, physical quantity purchased times average retail price: unit sales, information to allocate sales among consumers and other purchasers, and average transactions prices that reflect all discounts and customer rebates, all from trade sources. For net transactions, commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data. For dealers' margins, retail sales from Census Bureau quinquennial census and margin rates from Census Bureau ARTS. For motor vehicle parts and accessories, commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data.</p> <p>Other years except the most recent year. For new motor vehicles, same as the benchmark years. For net transactions, change in consumer stock of motor vehicles from trade sources. For dealers' margins, gross margins from Census Bureau ARTS and wholesale margins from Census Bureau annual survey of wholesale trade. For motor vehicle parts and accessories, retail-control method, using retail sales from Census Bureau ARTS.</p> <p>Most recent year. For new motor vehicles and for net transactions, same as the annual estimates for other years. For dealers' margins, retail sales of used vehicle dealers from Census Bureau MRTS. For motor vehicles parts and accessories, retail-control method, using retail sales from Census Bureau MRTS.</p>	<p>For new motor vehicles, same as the annual estimates for other years. For net transactions, extrapolated by retail sales of used vehicle dealers from Census Bureau MRTS. For dealers' margins, same as the annual estimates for the most recent year. For motor vehicle parts and accessories, same as the annual estimates for the most recent year.</p>
Furnishings and durable household equipment (\$495.0 billion)	<p>Benchmark years. Commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data.</p> <p>Other years except the most recent year. Retail-control method, using retail sales from Census Bureau ARTS.</p> <p>Most recent year. Retail-control method, using Census Bureau MRTS.</p>	<p>Same as the annual estimates for the most recent year.</p>

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Recreational goods and vehicles (\$603.9 billion)	<p>Benchmark years. Commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data.</p> <p>Other years except the most recent year. For audio discs, tapes, vinyl, and permanent digital downloads, sales of physical media and permanent digital downloads from a trade source. For all others, retail-control method, using retail sales from Census Bureau ARTS.</p> <p>Most recent year. For audio discs, tapes, vinyl, and permanent digital downloads, sales of physical media and permanent digital downloads from a trade source. For all others, retail-control method, using Census Bureau MRTS.</p>	For audio discs, tapes, vinyl, and permanent digital downloads, quantity purchased times consumer price: quantity purchased data from a trade source times the CPI for recorded music and music subscriptions. For all others, same as the annual estimates for the most recent year.
Other durable goods (\$272.6 billion)	<p>Benchmark years. Commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data.</p> <p>Other years except the most recent year. Retail-control method, using retail sales from Census Bureau ARTS.</p> <p>Most recent year. Retail-control method, using Census Bureau MRTS.</p>	Same as the annual estimates for the most recent year.
Nondurable goods (\$3,436.3 billion)		
Food and beverages purchased for off-premises consumption (\$1,205.0 billion)	<p>Benchmark years. Commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data. For food produced and consumed on farms, USDA data.</p> <p>Other years except the most recent year. Retail-control method, using retail sales from Census Bureau ARTS. For food produced and consumed on farms, same as for benchmark years.</p> <p>Most recent year. Retail-control method, using Census Bureau MRTS. For food produced and consumed on farms, same as for benchmark years.</p>	For food produced and consumed on farms, judgmental trend. For all others, same as the annual estimates for the most recent year.
Clothing and footwear (\$461.3 billion)	<p>Benchmark years. For standard clothing issued to military personnel, data from OMB's Budget of the U.S. Government. For all others, commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data.</p> <p>Other years except the most recent year. For standard clothing issued to military personnel, same as for benchmark years. For all others, retail-control method, using retail sales from Census Bureau ARTS.</p> <p>Most recent year. For standard clothing issued to military personnel, same as for benchmark years. For all others, retail-control method, using Census Bureau MRTS.</p>	For standard clothing issued to military personnel, judgmental trend. For all others, same as the annual estimates for the most recent year.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Gasoline and other energy goods (\$369.4 billion)	<p>Benchmark years. For gasoline and other motor fuels, merchandise line data on receipts of automotive fuels from Census Bureau quinquennial census. For all others, commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data.</p> <p>Other years except the most recent year. For nondiesel gasoline, quantity shipments from EIA times average retail price from BLS. For diesel gasoline, data from BLS consumer expenditure survey. For lubricants and fluids, Census Bureau Annual Survey of Manufactures. For fuel oil and other fuels, retail-control method, using Census Bureau ARTS.</p> <p>Most recent year. For nondiesel gasoline, same as other years. For diesel gasoline, quantity shipments from EIA times average retail price from BLS. For lubricants and fluids, quantity shipments from EIA times CPI for motor oil, coolants, and fluids. For fuel oil and other fuels, retail-control method, using Census Bureau MRTS.</p>	Same as the annual estimates for the most recent year.
Other nondurable goods (\$1,400.5 billion)	<p>Benchmark years. For prescription drugs, Census Bureau quinquennial product-line data on retail sales for prescription drugs. For expenditures abroad by U.S. residents (net), BEA International Transactions Accounts (ITAs). For all others, commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data.</p> <p>Other years except the most recent year. For prescription drugs, value of sales to consumers from a trade source. For tobacco, sales to consumers from a trade source. For expenditures abroad by U.S. residents (net), same as for benchmark years. For all others, retail-control method, using retail sales from Census Bureau ARTS.</p> <p>Most recent year. For prescription drugs, for tobacco, and for expenditures abroad by U.S. residents (net), same as other years. For all others, retail-control method, using Census Bureau MRTS.</p>	For expenditures abroad by U.S. residents (net), same as for benchmark years. For all others, same as the annual estimates for the most recent year.
Services (\$10,406.1 billion) Household consumption expenditures (for services) (\$9,940.5 billion)		

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Housing and utilities (\$2,775.4 billion)	<p>Benchmark years. For rental value of nonfarm and farm dwellings, annual rental value data from Census Bureau American Community Survey. For electricity and natural gas, annual EIA data on kilowatt-hour and cubic-foot quantities used and BLS CPIs for electricity and natural gas. For all others, commodity-flow method, starting with receipts from Census Bureau quinquennial census and annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis.</p> <p>Other years except the most recent year. For rental value of nonfarm and farm dwellings and for electricity and gas, same as for benchmark years. For garbage and trash collection, receipts from Census Bureau SAS. For group housing, wages from BLS QCEW. For water supply and sewage maintenance, Census Bureau annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis.</p> <p>Most recent year. For garbage and trash collection, Census Bureau QSS. For water supply and sewage maintenance, judgmental trend. For all others, same as for other years.</p>	For housing, unit stock adjusted using Census Bureau data on housing completions and judgmental trend. For average rent, BLS CPI for rent. For garbage and trash collection, advance estimate, judgmental trend; second and third estimates, receipts from Census Bureau QSS. For electricity and gas, EIA data on kilowatt-hour and cubic-foot quantities used and BLS CPIs for electricity and natural gas. For all others, judgmental trend.
Health care (\$2,583.5 billion)	<p>Benchmark years. Commodity-flow method, starting with receipts from Census Bureau quinquennial census and census of governments.</p> <p>Other years except most recent year. Receipts from Census Bureau SAS, annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis and judgmental trend.</p> <p>Most recent year. Receipts from Census Bureau QSS, and judgmental trend.</p>	For government hospitals, judgmental trend. For dental services, advance and second estimates, judgmental trend and trade source data; third estimate, receipts from Census Bureau QSS. For all others, advance estimate, wages and salaries derived from BLS CES, judgmental trend, and trade source data; second and third estimates, receipts from Census Bureau QSS.
Transportation services (\$444.1 billion)	<p>Benchmark years. Commodity-flow method, starting with receipts from Census Bureau quinquennial census, BLS consumer expenditure survey, and trade sources.</p> <p>Other years except most recent year. For taxicab and ride sharing services, data from BLS consumer expenditure survey. For all others, receipts from Census Bureau SAS, ARTS, and trade sources.</p> <p>Most recent year. Receipts from Census Bureau QSS and MRTS, domestic passenger airline revenue from BTS and trade sources from National Automotive Dealers Association, IHS-Polk, Amtrak, American Public Transportation Association, and DK Shifflet.</p>	For motor vehicle maintenance and repair, for motor vehicle rentals, and for water transportation, advance and second estimates, judgmental trend and high-frequency payment card transactions data; third estimate, receipts from Census Bureau QSS. For taxi cabs, parking fees and tolls and other road transportation, advance and second estimates, state traveler data; third estimate, receipts from Census Bureau QSS. For intercity buses, advance estimate, judgmental trend; second estimate, trade source data; third estimate, receipts from Census Bureau QSS. For intracity mass transit, advance estimate, trade source data; second and third estimates, receipts from Census Bureau QSS. For air transportation, advance and second estimates, company financial reports; and third estimate, domestic passenger airline revenue from BTS. For all others, trade sources and judgmental trend.
Recreation services (\$528.5 billion)	<p>Benchmark years. Commodity-flow method, starting with receipts from Census Bureau quinquennial census, census of governments, and trade sources.</p> <p>Other years except most recent year. Receipts from Census Bureau SAS, ARTS, annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, trade source data, and judgmental trend.</p> <p>Most recent year. Receipts from Census Bureau QSS, company financial reports, and judgmental trend.</p>	For membership clubs, sports centers, parks, theaters and museums (except motion picture theaters), for repair of audio-visual equipment, for pari-mutuel net receipts, and for package tours, advance and second estimates, wages and salaries derived from BLS CES, high-frequency payment card transactions data, and judgmental trend; third estimate, receipts from Census Bureau QSS. For cable television, advance estimate, judgmental trend and trade source data; second and third estimates, receipts from Census Bureau QSS. For motion picture theaters and for video streaming and rental, trade source data. For casino gambling, advance and second estimates, various state gaming control commissions; third estimate, receipts from Census Bureau QSS and various state gaming control commissions. For all others, BLS CES, high-frequency payment card transactions data, and judgmental trend.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
<p>Food services and accommodations (\$1,060.9 billion)</p>	<p>Benchmark years. Commodity-flow method, starting with receipts from Census Bureau quinquennial census, census of governments, BLS CES, enrollment data from National Center for Education Statistics (NCES) , trade source data, and federal government agency data.</p> <p>Other years except most recent year. Receipts from Census Bureau SAS and ARTS, annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, BLS CES, enrollment data from NCES, trade sources, and judgmental trend.</p> <p>Most recent year. Receipts from Census Bureau MRTS, BLS CES, trade sources from STR and DK Shifflet, current quarterly estimates, and judgmental trend.</p>	<p>For food services, Census Bureau MRTS. For all others, trade source data and judgmental trend.</p>
<p>Financial services and insurance (\$1,275.0 billion)</p>	<p>Benchmark years. For insurance services, A.M. Best. For all others, commodity-flow method, starting with receipts from Census Bureau quinquennial census, data from federal and state government administrative agencies, and trade sources.</p> <p>Other years except most recent year. For insurance services, same as benchmark years and judgmental trend based on A.M. Best. For all others, Census Bureau SAS, federal and state government administrative data, and trade sources.</p> <p>Most recent year. For insurance services, BLS QCEW and judgmental trend based on A.M. Best. For all others, Census Bureau QSS, federal and state government administrative data, BLS QCEW, and trade sources from Investment Company Institute and the Futures Industry Association.</p>	<p>For financial service charges and fees and for trust, fiduciary, and custody activities, advance and second estimates, judgmental trend; third estimate, Federal Deposit Insurance Corporation Call Report data and trade sources. For financial services furnished without payment, advance and second estimates, judgmental trend; third estimate, FRB tabulations of Call Report data. For all others, BLS CES, Census Bureau QSS, trade sources, and judgmental trend.</p>
<p>Other services (\$1,273.2 billion)</p>	<p>Benchmark years. For net foreign travel, estimated as part of the ITAs, see the entry “Exports and imports of services” under “Net exports of goods and services.” For passenger fares to U.S. carriers and all others, commodity-flow method, starting with receipts from Census Bureau quinquennial census, census of governments, receipts from NCES, and trade sources.</p> <p>Other years except most recent year. For net foreign travel, same as benchmark years. For passenger fares to U.S. carriers and all others, receipts from Census Bureau SAS and CPS, Giving USA, annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, receipts from NCES, wage data from BLS QCEW, trade sources, and judgmental trend.</p> <p>Most recent year. For net foreign travel, same as other years. For passenger fares to U.S. carriers and all others, receipts from Census Bureau QSS, wage data from BLS QCEW, and current quarterly estimates trade source data from DK Shifflet.</p>	<p>For telephone services, for other delivery services, for legal services, for personal care and clothing services, for internet service providers, for child care, for day care and nursery schools, and for household maintenance, advance estimate, BLS CES, high-frequency payment card transactions data, and judgmental trend; second and third estimates, receipts from Census Bureau QSS. For funeral services, advance and second estimates, CDC death data, and judgmental trend; for third estimates, receipts from Census Bureau QSS. For commercial and vocational schools, for nonprofit professional associations services, for individual and family services, for vocational rehabilitation services, for community food and housing/emergency/other relief services, and for social advocacy and civic and social organizations, advance and second estimates, wages and salaries derived from BLS CES and judgmental trend; third estimate, receipts from Census Bureau QSS. For net foreign travel, same as benchmark years. For passenger fares to U.S. carriers, advance and second estimates, company financial reports, less exports, and third estimate, international passenger airline revenue from BTS, less exports. For all others, wages and salaries derived from BLS CES, trade sources, and judgmental trend.</p>
<p>Final consumption expenditures of nonprofit institutions serving households (\$465.5 billion)</p>	<p>Benchmark years. For gross output of nonprofit institutions, operating expenses from Census Bureau quinquennial census for tax-exempt and religious organizations, expenses and receipts from the NCES, and trade source.</p> <p>Other years except most recent year. For gross output of nonprofit institutions, operating expenses from Census Bureau SAS, wages and salaries, CES and QCEW from BLS, expenses and receipts from the NCES, and trade sources.</p> <p>Most recent year. Operating expenses from Census Bureau QSS, wages and salaries, CES and QCEW from BLS, and trade source data.</p>	<p>For gross output of health services, for recreation services, for nonprofit commercial and vocational schools, for nonprofit day care and nursery schools, for nonprofit child care providers, for nonprofit individual and family services, for nonprofit vocational rehabilitation services, for nonprofit community food and housing services, for foundations and grant making, for social advocacy organizations, for civic and social organizations, for professional associations, and for “all other similar organizations,” advance and second estimates, wages and salaries derived from BLS CES and judgmental trend; third estimate, operating expenses from Census Bureau QSS. For all others, BLS CES and judgmental trend.</p>

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Fixed investment (\$4,132.6 billion)		
Nonresidential structures (\$598.2 billion)		
Commercial and health care (\$211.0 billion)	<i>Benchmark years.</i> BEA's benchmark input-output accounts. Other years. Census Bureau VPIP.	Same as the annual estimates for other years.
Manufacturing (\$75.9 billion)	Census Bureau VPIP.	Same as the annual estimates.
Power and communication (\$130.9 billion)	Census Bureau VPIP.	Same as the annual estimates.
Mining exploration, shafts, and wells (\$78.0 billion)	<i>Benchmark years.</i> Expenditures from Census Bureau quinquennial census. <i>Other years except the most recent year.</i> For petroleum and natural gas, physical quantity times average price, footage drilled completions from a trade source, composite index of BLS PPIs for oil and gas wells and for oil and gas field services, and base-year cost per footage drilled from Census Bureau annual capital expenditures survey, and footage drilled from a trade source. For other mining, expenditures from Census Bureau annual capital expenditures survey. <i>Most recent year.</i> For petroleum and natural gas, physical quantity times average price, footage drilled from a trade source times composite index of BLS PPIs, base-year cost per footage drilled reflecting BEA data on private investment in mining equipment, footage drilled completions from a trade source, and judgmental trend. For mining, BEA data on private investment in mining equipment.	For petroleum and natural gas, physical quantity times average price, weighted average of footage drilled completions and of rotary rig counts from trade sources times a composite index of BLS PPIs for oil and gas wells and for oil and gas field services, base-year cost per footage drilled reflecting BEA data on private investment in mining equipment, footage drilled completions from a trade source, and judgmental trend. For mining, same as the annual estimates for the most recent year.
Other structures (\$102.4 billion)	<i>Benchmark years.</i> BEA's benchmark input-output accounts. <i>Other years.</i> Census Bureau VPIP.	Same as the annual estimates for other years.
Nonresidential equipment (\$1,194.0 billion)		
Equipment except new autos, new light trucks, and net purchases of used autos and used light trucks (\$1,094.9 billion)	<i>Benchmark years.</i> Commodity-flow method, starting with manufacturers' shipments from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data. <i>Other years except the most recent year.</i> Abbreviated commodity-flow method, starting with manufacturers' shipments from Census Bureau Annual Survey of Manufactures, adjusted for exports and imports. <i>Most recent year.</i> For computers, manufacturers' shipments from Census Bureau Monthly Survey of Manufactures and FRB industrial production index, adjusted for exports and imports. For heavy trucks, physical quantity purchased times average price: unit sales and information to allocate sales among business and other purchasers, from trade sources; for truck trailers, shipments from trade source. For all others, abbreviated commodity-flow method, starting with manufacturers' shipments from Census Bureau Monthly Survey of Manufactures, adjusted for exports and imports.	Same as the annual estimates for the most recent year but with less detail.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
New autos, new light trucks, and net purchases of used autos and used light trucks (\$99.1 billion)	See the entry "Motor vehicles and parts" under "Personal consumption expenditures."	See the entry under "Personal consumption expenditures."
Nonresidential intellectual property products (\$1,232.7 billion)		
Software (\$512.4 billion)	<p>Benchmark years. For purchased software, commodity-flow method, starting with industry receipts from Census Bureau quinquennial census, including an adjustment for exports and imports from Census Bureau foreign trade data. For own-account software, production costs based on BLS occupational employment data and on Census Bureau quinquennial census.</p> <p>Other years. For purchased software, commodity-flow method, starting with industry receipts from Census Bureau SAS, including an adjustment for exports and imports from Census Bureau foreign trade data. For own-account software, production costs based on BLS occupational employment data.</p> <p>Most recent year. For purchased software, commodity-flow method, starting with industry receipts from Census Bureau QSS, including an adjustment for exports and imports from Census Bureau foreign trade data. For own-account software, production costs based on BLS occupational employment data.</p>	For purchased software, advance estimate, judgmental trend; second and third estimates, receipts from Census Bureau QSS. For own-account software, BLS CES for select industries.
Research and development (\$629.8 billion)	<p>Benchmark years. NSF data and BEA's benchmark input-output accounts.</p> <p>Other years. NSF data adjusted for imports and exports, and capital consumption adjustment.</p>	For business R&D, advance estimate, judgmental trend; second and third estimates, R&D expenses from publicly traded corporations' financial statements and receipts from Census Bureau QSS. For academic R&D, BLS CES for education industry.
Entertainment, literary, and artistic originals (\$90.5 billion)	<p>Benchmark years. BEA's benchmark input-output accounts.</p> <p>Other years. Revenues from Census Bureau SAS, adjusted for nonartwork costs.</p> <p>Most recent year. Revenues from Census Bureau QSS, adjusted for nonartwork costs.</p>	For advance estimate, judgmental trend; for second estimate, revenues from Census Bureau QSS and judgmental trend; for third estimate, revenues from Census Bureau QSS.
Residential investment (\$1,107.6 billion)²		
Permanent-site new single-family structures (\$423.9 billion)	Based on phased housing starts and average cost from Census Bureau VPIP.	Same as the annual estimates.
Permanent-site new multi-family structures (\$85.0 billion)	Census Bureau VPIP.	Same as the annual estimates.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Manufactured homes (\$17.7 billion)	Benchmark years. See the entry “Equipment except new autos, new light trucks, and net purchases of used autos and used light trucks” under “Nonresidential equipment.” Other years. Physical quantity shipped times price: shipments from trade source and average retail price from Census Bureau manufactured housing survey.	Same as the annual estimates for other years.
Improvements (\$327.9 billion)	Benchmark years. Census Bureau VPIP Other years. Retail sales of building materials and garden supply stores from Census Bureau ARTS, and remodelers payroll data from BLS QCEW.	Composite of retail sales of building materials and garden supply stores from Census Bureau MRTS, home improvement product sales data from a trade source, and remodelers payroll data from BLS CES.
Brokers' commissions and other ownership transfer costs (\$234.0 billion)	Benchmark years. BEA's benchmark input-output accounts. Other years. For brokers' commissions on sale of structures and of land, physical quantity of houses sold times mean sales price. Number of new single-family houses sold and average sales price from Census Bureau VPIP and number of existing houses sold and average sales price from a trade source weighted by a BEA estimate of average commission rates. For stamp taxes, state and local government annual document stamp taxes from Census Bureau annual surveys of state and local governments adjusted to a calendar year basis from a fiscal year basis and judgmental trend. For title insurance, operating revenue and loss-adjusted expense data from a trade source. For all other closing costs, number of new and existing single-family houses sold and their associated average sales price from Census Bureau VPIP and a trade source weighted by a BEA estimate of average commission rates.	Physical quantity of houses sold times mean sales price times BEA estimate of average commission rates for sale of new and existing houses; number of single-family houses sold and mean sales price from Census Bureau VPIP and a trade source.
Equipment (\$17.1 billion)	See the entry “Furnishings and durable household equipment” under “Personal consumption expenditures.”	Same as the annual estimates.
Change in private inventories (-\$19.1 billion)		
Farm (-\$3.0 billion)	USDA change in inventories adjusted to exclude CCC forfeitures and to include net CCC loans at market value.	For crops, BEA quarterly allocation of USDA annual projections of crop output and cash receipts. For livestock, various USDA livestock and price reports.
Manufacturing and trade (-\$34.2 billion)	Benchmark years. Inventories from Census Bureau quinquennial census and annual surveys revalued to current replacement cost. Information on the proportions of inventories reported using different accounting methods, on the commodity composition of goods held in inventory, and on the turnover period, all from Census Bureau quinquennial census and annual surveys, combined with prices, largely based on BLS producer price indexes. (The difference between Census Bureau change in inventories and BEA change in private inventories is the inventory valuation adjustment.) Other years except the most recent year. For auto retail dealers, an average of quantities times average prices from trade sources and of retail inventories from Census Bureau annual surveys minus half of manufacturing and merchant wholesale inventories from Census annual surveys; for all others, inventories from Census Bureau annual surveys, revalued as described above. Most recent year. Inventories from Census Bureau monthly surveys and trade sources, revalued as described above.	Same as the annual estimates for the most recent year.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Mining, utilities, construction, and other nonfarm industries (\$18.2 billion)	<p>Benchmark years. Mining and construction inventories from Census Bureau quinquennial census, publishing inventories from the Census Bureau SAS, revalued to current replacement cost as described above for "Manufacturing and trade." Other years except the most recent year. For publishing inventories, same as the annual estimates for benchmark years. For all others, IRS tabulations of business tax returns, revalued as described above. Most recent year. For mining and publishing inventories, Census Bureau Quarterly Financial Report, revalued as described above. For electric utilities, monthly physical quantities from EIA combined with BLS PPIs. For all others, judgmental trend.</p>	For mining and publishing inventories, advance estimates, judgmental trend; second and third estimates, same as the annual estimates for most recent year. For electric utilities, same as the annual estimate for the most recent year. For all others, judgmental trend.
Net exports of goods and services (-\$861.7 billion)		
Exports and imports of goods, net (-\$1,103.2 billion)	Estimated as part of BEA's ITAs: export and import documents compiled monthly by the Census Bureau with adjustments by BEA for coverage and valuation to convert the data to a balance-of-payments basis. Balance-of-payments transactions adjusted for coverage of U.S. territories and Puerto Rico using data from the Census Bureau, and for coverage of gold transactions using data from the U.S. Geological Survey and trade sources.	Same as the annual estimates.
Exports and imports of services, net (\$241.5 billion)	Estimated as part of BEA's ITAs: for government transactions, reports by federal agencies on their purchases and sales abroad. For most others including travel, selected transport categories, and charges for the use of intellectual property not elsewhere classified, BEA quarterly or annual surveys. Transactions adjusted for the balance-of-payments coverage of U.S. territories and Puerto Rico using data from the Commonwealth of Puerto Rico and the U.S. Virgin Islands.	For territorial adjustment, judgmental trend. For all others, same as the annual estimates.
Government consumption expenditures and gross investment (\$4,160.7 billion)		
Federal government (\$1,609.2 billion)		
National defense except consumption of general government fixed capital (\$727.2 billion)	Within a control total established by fiscal year analysis: for compensation, military wages from OMB's Budget of the U.S. Government, civilian wages from BLS QCEW, civilian benefits from OPM, and employer contributions for federal employee retirement plans from military and civilian plan actuarial reports; for other than compensation by type, based mainly on data from DOD reports; for R&D, data from NSF and from OMB's Budget of the U.S. Government; for software, see the entry under "Nonresidential intellectual property products."	For components of compensation, military employment from DOD and civilian employment from BLS and projections from military and civilian pension plan actuarial reports. For other than compensation, same as the annual estimates.
National defense consumption of general government fixed capital (\$176.8 billion)	Perpetual-inventory method, based on gross investment estimates and on investment prices.	Same as the annual estimates.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Nondefense except consumption of general government fixed capital (\$569.4 billion)	Within a control total established by fiscal year analysis: for compensation, civilian wages from BLS QCEW, civilian benefits from OPM, and employer contributions for federal employee retirement plans from civilian actuarial reports; for CCC inventory change, book values of acquisitions and physical quantities of dispositions from agency reports times average market prices from USDA; for petroleum sales, distribution and price data from DOE; for R&D, data from NSF and from OMB's Budget of the U.S. Government; for construction, Census Bureau VPIP; for software, see the entry under "Nonresidential intellectual property products." For financial services furnished without payment, see the entry "Banks, credit agencies, and investment companies" under "Net interest and miscellaneous payments." For all others, outlays from the Monthly Treasury Statement.	For components of compensation, employment from BLS and projections from civilian pension plan actuarial reports. For all others, same as the annual estimates.
Nondefense consumption of general government fixed capital (\$135.7 billion)	Perpetual-inventory method, based on gross investment estimates and on investment prices.	Same as the annual estimates.
State and local government (\$2,551.6 billion)		
Consumption expenditures and gross investment except those items listed below (\$389.1 billion)	Total expenditures from Census Bureau quinquennial census of governments and annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis for available periods, selectively replaced with source data that are more appropriate for the NIPAs and adjusted for coverage, for netting and grossing, for other timing differences, to exclude items not directly included in GDP (interest, subsidies, net expenditures of government enterprises, and transfer payments), and to exclude items described below, and judgmental trend. For financial services furnished without payment, see the entry "Financial services and insurance" under "Personal consumption expenditures."	Judgmental trend.
Compensation of general government employees (\$1,519.6 billion)	For wages and salaries, BLS QCEW. For employer contributions for government social insurance, tabulations from the Social Security Administration and other agencies administering social insurance programs. For employer contributions for employee pension plans, actuarial reports from state pension plans. For other insurance plans, data from trade sources, CMS, and Census Bureau quinquennial census of governments and annual survey of public employment and payroll, adjusted to a calendar year basis from a fiscal year basis, and judgmental trend.	For wages and salaries, BLS monthly employment times earnings from BLS employment cost indexes for education and non-education. For other compensation, judgmental trend.
Consumption of general government fixed capital (\$247.0 billion)	Perpetual-inventory method based on gross investment estimates and on investment prices.	Same as the annual estimates.
Structures (\$347.2 billion)	Census Bureau VPIP, benchmarked to quinquennial census of governments and annual surveys of state and local governments.	Census Bureau VPIP.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Intellectual property products (\$48.7 billion)	See the entries for "Software" and for "Research and development" under "Nonresidential intellectual property products."	See the entries for "Software" and for "Research and development" under "Nonresidential intellectual property products."
Gross domestic income of \$23,444.0 billion for 2021		
Compensation of employees, paid (\$12,549.1 billion)		
Wage and salaries (\$10,300.8 billion)		
Private industries (\$8,756.6 billion)	For most industries, BLS QCEW. For others, wages from a variety of sources (such as USDA for farms and the Railroad Retirement Board for railroad transportation), adjusted for understatement of income on tax returns and for coverage differences.	For most industries, wages and salaries derived from BLS CES. For others, judgmental trend.
Federal government (\$393.2 billion)	For civilians, wages from BLS QCEW adjusted for coverage differences; for military personnel, wages from OMB's Budget of the U.S. Government.	For civilians, employment from BLS and judgmental trend. For military personnel, DOD employment and judgmental trend.
State and local government (\$1,151.0 billion)	BLS QCEW adjusted for coverage differences.	Derived from BLS employment times earnings from BLS employment cost indexes for education and non-education.
Employer contributions for employee pension and insurance funds (\$1,550.3 billion) ³		
Private pension plans (\$318.7 billion)	Defined contribution plans. All years except the three most recent years. Tabulations from Department of Labor. Three most recent years. Judgmental trend. Defined benefit plans. All years except the most recent. Tabulations from Pension Benefit Guaranty Corporation and corporate financial reports. Most recent year. Judgmental trend.	Judgmental trend.
Government employee pension plans (\$307.4 billion)	For federal defined benefit plans, actuarial reports for federal retirement plans, adjusted to a calendar year basis. For federal defined contribution plans, Thrift Savings Plan annual reports. For state and local defined contribution plans, wages and salaries and BLS employer costs for employee compensation survey. For state and local defined benefit plans. All years except the most recent year. Actuarial reports adjusted to a calendar year basis. Most recent year. Judgmental trend.	For federal plans, judgmental trend. For state and local plans, same as most recent year.
Group health insurance (\$831.6 billion)	For federal government, premiums paid by the federal government to the Federal Employee Health Benefit Fund from OMB. All years except the most recent year. For private and for state and local government, employer contributions from AHRQ. Most recent year. For private, AHRQ tabulations. For state and local government, judgmental trend.	For private and for state and local government, judgmental trend. For federal government, employment from BLS.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Group life insurance (\$11.3 billion)	All years except the most recent year: Group premiums and estimates of employer share from A.M. Best. Most recent year: Judgmental trend.	Same as the most recent year.
Workers' compensation (\$71.8 billion)	All years except the most recent year: Employer contributions from trade sources. Most recent year: Judgmental trend.	Same as the most recent year.
Publicly administered government employee insurance funds (\$8.9 billion)	Employer contributions to the Medicare-Eligible Retiree Health Fund from the Monthly Treasury Statement.	DOD employment.
Supplemental unemployment benefits (\$0.5 billion)	Department of Labor EBSA filings	Judgmental trend
Employer contributions for government social insurance (\$698.1 billion)	Tabulations from the Social Security Administration and other agencies administering social insurance programs.	For federal programs, BEA-derived wages and salaries of employees covered by the programs. For state and local programs, judgmental trend.
Taxes on production and imports (\$1,663.4 billion)		
Federal government (\$174.6 billion)	For excise taxes, collections from the Alcohol and Tobacco Tax and Trade Bureau and from the IRS. For customs duties, receipts from the Monthly Treasury Statement.	For customs duties, same as all years. For most excise taxes, derived from indicators of activity (such as gasoline production for gasoline tax). For others, judgmental trend.
State and local government (\$1,488.8 billion)	Receipts from Census Bureau quinquennial census of governments and annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, and judgmental trend.	For state general sales taxes, advance and second estimates: state tax collections data supplemented with Urban Institute sales tax data; third estimate: Census Bureau quarterly tax survey. For state excise taxes, advance and second estimates: derived from indicators of activity (such as gasoline sales for gasoline excise tax) and trend estimates; third estimate: Census Bureau quarterly tax survey. For all other state taxes, advance and second estimates: judgmental trend; third estimate: Census Bureau quarterly tax survey. For local property taxes, advance and second estimates: judgmental trend; third estimate: Census Bureau quarterly tax survey. For all other local taxes, same as annual estimates.
Less: Subsidies (\$481.9 billion)		
Federal government (\$478.8 billion)	For agricultural subsidy payments, data from USDA. For all others, data from OMB's Budget of the U.S. Government.	USDA reports and other program administration data, data from the Monthly Treasury Statement, and judgmental trends.
State and local government (\$3.1 billion)	For railroad and electric power, Census Bureau quinquennial census of governments and annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, and judgmental trend.	Judgmental trend.
Net operating surplus (\$5,881.8 billion)		
Private enterprises (\$5,879.8 billion)		

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
<p>Net interest and miscellaneous payments, domestic industries (\$872.7 billion)</p>		
<p>Domestic monetary interest, net (-\$37.0 billion)</p>	<p>For farm interest paid, USDA surveys. For residential mortgage interest paid, mortgage debt from FRB times a BEA interest rate. All years except the most recent year. For most other interest paid and received by business, IRS tabulations of business tax returns, adjusted for misreporting on tax returns and for conceptual differences. Most recent year. For other interest, interest receipts and payments from regulatory agencies (such as the Federal Deposit Insurance Corporation), from trade sources, or derived by applying BEA interest rates to interest-bearing assets/liabilities from FRB financial accounts of the United States.</p>	<p>Derived by combining estimates of (1) interest received by persons, (2) government interest paid less received, and (3) interest paid by persons. For (1), judgmental trend. For (2), data from the Monthly Treasury Statement and the Bureau of the Public Debt for federal and judgmental trend for state and local; and for (3), for margin interest, advance estimate; judgmental trend; second or third estimate: data from regulatory agencies. For nonmargin interest, consumer debt from FRB times BEA estimates of interest rates.</p>
<p>Domestic imputed interest, net (\$890.1 billion)</p>		
<p>Banks, credit agencies, and investment companies (\$371.8 billion)</p>		
<p>Depositor services (\$283.7 billion)</p>	<p>For commercial banks and savings institutions, FRB tabulations of FFIEC Call Reports used to calculate the interest rate spread between a risk-free reference rate and the average interest rate paid to depositors times the average balance of deposits. Depositor services allocated to persons, to government, and to the rest of the world on the basis of deposit liabilities from FRB. For credit agencies and investment companies, property income earned on investment of deposits less monetary interest paid to depositors (and for mutual depositories, profits from IRS tabulations of business tax returns) from annual reports of regulatory agencies and FRB. Depositor services allocated to persons, to government, and to the rest of the world on the basis of deposit liabilities from FRB. For credit unions, NCUA tabulations of Call Report Form 5300.</p>	<p>For commercial banks, savings institutions, and credit unions, advance estimate, judgmental trend; for second and third estimates, same as annual estimates. For investment companies, advance estimate, judgmental trend; for second and third estimates, mutual fund data from a trade source. For all others, judgmental trend.</p>
<p>Borrower services (\$88.1 billion)</p>	<p>For commercial banks and savings institutions, data from FRB tabulations of FFIEC Call Reports used to calculate the interest rate spread between the average rate paid by borrowers and the reference rate times the average balance of borrowers. For credit unions, NCUA tabulations of Call Report Form 5300.</p>	<p>For advance estimate, judgmental trend. For second or third estimates, same as annual estimates for commercial banks, savings institutions, and credit unions.</p>

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Life insurance carriers (\$287.8 billion)	Property income earned on investment of policyholders' reserves from trade source.	Judgmental trend.
Property and casualty insurance companies (\$2.6 billion)	Expected investment income derived using premiums earned and investment gains from trade source.	Judgmental trend.
Employee pension plans (\$227.9 billion)	For federal defined benefit pension plans, actuarial reports for federal retirement plans, adjusted to a calendar year basis. All years except the most recent year. For private defined benefit pension plans, tabulations from the Pension Benefit Guaranty Corporation. For state and local government defined benefit pension plans, actuarial reports, adjusted to a calendar year basis. Most recent year. For private defined benefit pension plans, judgmental trend. For state and local government defined benefit pension plans, judgmental trend.	Same as most recent year.
Miscellaneous payments (\$19.6 billion)		
Federal government rents and royalties (\$8.0 billion)	Receipts from land and mineral leasing, U.S. Department of the Treasury.	For offshore leases, projections of receipts from OMB's Budget of the U.S. Government; for land and onshore mineral leasing, data from the Monthly Treasury Statement.
State and local government rents and royalties (\$11.6 billion)	Census Bureau quinquennial census of governments and annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, and judgmental trend.	Judgmental trend.
Business current transfer payments (net) (\$171.0 billion)		
To persons (net) (\$71.0 billion)	All years except the most recent year. For all components, information from government agency reports and trade sources. Most recent year. Judgmental trend.	Same as the annual estimates for the most recent year.
To government (net) (\$97.4 billion)	For federal, receipts from OMB's Budget of the U.S. Government and documentation from the Department of Justice about fines recorded on an accrual basis. For state and local, receipts from Census Bureau quinquennial census of governments and annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, and judgmental trend.	Judgmental trend.
To the rest of the world (net) (\$2.7 billion)	Estimated as part of BEA's ITAs.	Same as the annual estimates.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Proprietors' income with inventory valuation and capital consumption adjustments (\$1,753.6 billion)		
Farm proprietors' income with inventory valuation adjustment (\$59.1 billion)	USDA data on net income, obtained by deriving gross income (cash receipts from marketing, inventory change, government payments, other cash income, and nonmoney income) and subtracting production expenses, adjusted to exclude corporate income based on USDA quinquennial census and annual survey data. Excludes some intrastate interfarm sales between farmers of the same geographic state, which is out of scope for USDA ERS source data.	For crops, BEA quarterly allocation of USDA annual projections of crop output. For livestock, USDA quarterly projections of cash receipts and various USDA livestock reports for inventories. Quarterly allocation of USDA annual projections of government subsidy payments and production expenses.
Farm capital consumption adjustment (-\$7.8 billion)	See the entry "Less: capital consumption adjustment" under "Consumption of fixed capital."	See the entry under "Consumption of fixed capital."
Nonfarm proprietors' income (\$1,297.1 billion)	<i>All years except the most recent year.</i> Income from IRS tabulations of business tax returns, adjusted for understatement of income on tax returns and for conceptual differences. <i>Most recent year.</i> For construction, trade, and services, indicators of activity such as construction spending (value put in place). For others, judgmental trend.	Same as the annual estimates for the most recent year.
Nonfarm inventory valuation adjustment (-\$36.5 billion)	See the entry "Inventory valuation adjustment" under "Corporate profits."	See the entry under "Corporate profits."
Nonfarm capital consumption adjustment (\$441.6 billion)	See the entry "Less: capital consumption adjustment" under "Consumption of fixed capital."	See the entry under "Consumption of fixed capital."
Rental income of persons with capital consumption adjustment (\$723.8 billion)		
Owner-occupied nonfarm housing (\$538.3 billion)	<i>Benchmark years.</i> Derived as imputed rental of nonfarm housing (see the entry "Housing and utilities" under "Personal consumption expenditures") based on American Community Survey data less related expenses, including property insurance from a trade source, mortgage interest (mortgage debt from FRB times a BEA interest rate), and property taxes from Census Bureau annual surveys of state and local government tax collections, adjusted to a calendar year basis from a fiscal year basis. <i>Other years, except most recent year.</i> Same as benchmark years. <i>Most recent year.</i> Judgmental trend.	For imputed rental of owner-occupied housing, same as the annual estimates. For depreciation, interest, financing-related closing costs, and taxes, NIPA estimates of those components. For other expenses, judgmental trend.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
<p>Tenant-occupied nonfarm housing (\$119.3 billion)</p>	<p>Benchmark years. Derived as actual value of housing less related expenses (see preceding entry). Other years except most recent year. For mortgage interest, mortgage debt from FRB times a BEA interest rate. For property taxes, Census Bureau annual surveys of state and local tax collections, adjusted to a calendar year basis from a fiscal year basis. For all others, same as benchmark years. Most recent year. For housing rent expense, judgmental trend. For all others, same as in other years.</p>	<p>Same as owner-occupied nonfarm housing.</p>
<p>Owner-occupied farm housing (\$11.5 billion)</p>	<p>Derived as imputed rental of farm housing (see the entry "Housing and utilities" under "Personal consumption expenditures") based on American Community Survey data less related expenses, such as mortgage interest and property taxes, from USDA.</p>	<p>Judgmental trend.</p>
<p>Tenant-occupied farm housing (-\$1.1 billion)</p>	<p>Derived as imputed rental of farm housing (see the entry "Housing and utilities" under "Personal consumption expenditures") based on American Community Survey data less related expenses, such as mortgage interest and property taxes, from USDA.</p>	<p>Judgmental trend.</p>
<p>Nonfarm nonresidential properties (-\$0.6 billion)</p>	<p>Benchmark years. Nonfarm nonresidential fixed assets from BEA capital stock series times a rate of return on capital based on IRS tabulations of business tax returns. Other years. BEA capital stock series and judgmental trend.</p>	<p>Judgmental trend.</p>
<p>Royalties (\$45.8 billion)</p>	<p>All years except the most recent year. IRS tabulations of royalties reported on individual income tax returns. Most recent year. Judgmental trend.</p>	<p>Same as the annual estimates for the most recent year.</p>
<p>Corporate profits with inventory valuation and capital consumption adjustments, domestic industries (\$2,358.7 billion)</p>		
<p>Domestic profits before tax (\$2,725.7 billion)</p>	<p>All years except the most recent year. Receipts less deductions from IRS tabulations of business tax returns, adjusted for understatement of income on tax returns and for conceptual differences. Most recent year. Profits from Census Bureau Quarterly Financial Report, regulatory agency reports, and compilations of publicly available corporate financial statements.</p>	<p>For some industries in transportation and in finance, judgmental trend. For others, same as the annual estimates for the most recent year. (Preliminary profits estimate is released with the second estimate of GDP for the first, second, and third quarters and with the third estimate of GDP for the fourth quarter.)</p>
<p>Inventory valuation adjustment (IVA) (-\$256.9 billion)</p>	<p>The IVA on the income side (for corporations and for nonfarm sole proprietorships and partnerships) and the IVA on the product side (see the entry "Change in private inventories") differ because the source data reflect different proportions of inventories reported using different accounting methods (such as LIFO). The income-side IVA is based on the product-side IVA, adjusted by the relationship between non-LIFO inventories from IRS tabulations of business tax returns and non-LIFO inventories from the Census Bureau.</p>	<p>Same as the annual estimates.</p>

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Capital consumption adjustment (-\$110.1 billion)	See the entry "Less: Capital consumption adjustment" under "Consumption of fixed capital."	See the entry under "Consumption of fixed capital."
Current surplus of government enterprises (\$2.1 billion)		
Federal government (\$1.5 billion)	Mainly reports of various agencies, such as the Postal Service, and CFC estimates derived with perpetual inventory calculations at current cost, based on gross investment estimates and on investment prices.	For CFC estimates, same as the annual estimates. For all others, judgmental trend.
State and local government (\$0.5 billion)	For current operating receipts, mainly revenue data from Census Bureau quinquennial census of governments and annual surveys of state and local governments, adjusted to a calendar year basis from a fiscal year basis, and judgmental trend. For current operating expenditures, see the entries "Consumption expenditures and gross investment" and "Consumption of general government fixed capital" under "State and local government."	Judgmental trend.
Consumption of fixed capital (\$3,831.6 billion)		
Government (\$647.1 billion)		
General government (\$559.5 billion)	Perpetual-inventory method, based on gross investment estimates and on investment prices.	Same as the annual estimates.
Government enterprises (\$87.6 billion)	Perpetual-inventory method, based on gross investment estimates and on investment prices.	Same as the annual estimates.
Private (\$3,184.5 billion)		
Domestic business (\$2,480.0 billion)	Perpetual-inventory method, based on gross investment estimates and on investment prices.	Same as the annual estimates.
Capital consumption allowances (\$2,775.3 billion)	<p>All years except the most recent year. For depreciation of corporations and of nonfarm sole proprietorships and partnerships, IRS tabulations of business tax returns, adjusted for conceptual differences. For other depreciation (including farm proprietorships and partnerships and other private business), perpetual inventory calculations based on investment at acquisition cost.</p> <p>Most recent year. For depreciation of corporations and of nonfarm sole proprietorships and partnerships, BEA estimates of tax-return-based depreciation. For other depreciation, same as above.</p>	Perpetual inventory calculations based on investment at acquisition cost.

Component	Annual estimates: Source data and methods used to determine level for benchmark and other years or used to prepare an extrapolator or interpolator	Current quarterly estimates: Source data and methods used to prepare an extrapolator ¹
Less: Capital consumption adjustment (\$295.3 billion)	The difference between capital consumption allowances and CFC.	Same as the annual estimates.
Households and institutions (\$704.5 billion)	Perpetual-inventory method, based on gross investment estimates and on investment prices.	Same as the annual estimates.

AHRQ Agency for Healthcare and Research Quality

ARTS Annual Retail Trade Survey

BEA Bureau of Economic Analysis

BLS Bureau of Labor Statistics

BTS Bureau of Transportation Statistics

CCC Commodity Credit Corporation

CDC Centers for Disease Control

CES Current Employment Statistics

CFC Consumption of fixed capital

CMS Centers for Medicare and Medicaid Services

CPI Consumer price index

CPS Current Population Survey

DOD Department of Defense

EBSA Employee Benefits Security Administration

EIA Energy Information Administration

ERS Economic Research Service

FFIEC Federal Financial Institutions Examination Council

FRB Federal Reserve Board

GDP Gross domestic product

IRS Internal Revenue Service

ITAs International Transactions Accounts

LIFO Last in, first out

MRTS Monthly Retail Trade Survey

NCUA National Credit Union Association

NSF National Science Foundation

NIPAs National Income and Product Accounts

OMB Office of Management and Budget

OPM Office of Personnel Management

QCEW Quarterly Census of Employment and Wages

QSS Quarterly Services Survey

R&D Research and development

SAS Service Annual Survey

USDA U.S. Department of Agriculture

VPIP Value of new construction put in place

1. For most components, information about the advance quarterly estimates is provided. In addition, major source data that become available during the second or third quarterly estimates for particular NIPA components are also noted.

2. Residential fixed investment includes \$3.1 billion for dormitories and -\$1.0 billion for net purchases of used structures.

3. Employer contributions for employee pension and insurance funds includes \$0.5 billion for supplemental unemployment.

Source data

The source data include a variety of economic measures, such as sales or receipts, wages and salaries, unit sales, housing stock, insurance premiums, expenses, interest rates, mortgage debt, and tax collections. For most components, the estimates are derived from source data that are “value data”: they encompass both the quantity data and the price data required to prepare the current-dollar estimates. For these components, the value data are adjusted to derive estimates that are consistent with NIPA definitions and coverage. For the estimates that are not derived from value data, the sources of the quantity and price data that are used to prepare value estimates are indicated, and the major adjustments that are needed to derive estimates that are consistent with NIPA definitions and coverage are specified.

For the current-dollar estimates of GDP, a “physical quantity times price” method is used for several components. For example, the annual estimate of expenditures on new autos in a nonbenchmark year is calculated as unit sales times expenditure per auto (the average transactions price that reflects all discounts and customer rebates).

For the current-dollar estimates of GDI, two general methods are used for several components—an “employment times earnings times hours” method and variations of a “stock of assets/liabilities times an effective interest rate” method. Some quarterly (or monthly) estimates are derived using source data as indicators to interpolate or extrapolate annual estimates. In other cases, extrapolation and interpolation may be based on trends; in those cases, the use of “judgmental trend” is indicated.

International Transactions Accounts. The source data for the foreign transactions that are reflected in most NIPA components—such as net exports of goods and services, net income receipts, and rest-of-the-world corporate profits—are from the International Transactions Accounts (ITAs), that BEA prepares.⁴ As noted in table 1, for some NIPA components, the ITA estimates are adjusted to conform to NIPA concepts and definitions. For the annual estimates of these adjustments and their definitions, see NIPA table 4.3C.

Reconciliation tables. In preparing the annual estimates of several components of GDI, BEA adjusts the source data to conform to NIPA concepts and coverage. For selected components, an annual NIPA table reconciles the value published by the source agency with the NIPA estimate published by BEA, and the adjustments are listed. Reconciliation tables for the following components are available on BEA's website: consumption of fixed capital in table 7.13, nonfarm proprietors' income in table 7.14, net farm income in table 7.15, corporate profits in table 7.16, net monetary interest in table 7.17, and wages and salaries in table 7.18. In addition, reconciliation tables are available for federal government current receipts and expenditures in tables 3.18A and 3.18B, and for state and local government current receipts and expenditures in 3.19.

Estimation methods

For some components, BEA uses one of four methods: the commodity-flow method, the retail-control method, the perpetual-inventory method, and the fiscal year analysis method.

The commodity-flow method involves estimating values based on various measures of output. For example, the estimates of PCE for “Furnishings and durable household equipment” in benchmark years are based on data on manufacturers' shipments from the U.S. Census Bureau (Census), and BEA adjusts the data for imports and exports. In general, this method is used to derive estimates of various components of PCE, of equipment investment, and of the commodity detail for state and local government consumption expenditures and gross investment.⁵ An abbreviated form of this method is used to prepare estimates of equipment investment in nonbenchmark years, and an even more abbreviated form is used to prepare the current quarterly estimates of equipment investment.

The retail-control method uses retail sales data, usually compiled by Census, to estimate expenditures.⁶ It is used to prepare estimates of many components of PCE for durable and nondurable goods in nonbenchmark years. This method ensures that the growth rate for these components is the same rate as the “retail control” group, a measure based on the total sales of most kinds of businesses selling goods from Census' monthly and annual retail trade surveys.

The perpetual-inventory method is used to derive estimates of fixed capital stock, which are used to estimate consumption of fixed capital—the economic depreciation of private and government fixed capital. This method is based on investment flows and a geometric depreciation formula.⁷

The fiscal year analysis method is used to estimate annual and quarterly estimates of consumption expenditures and gross investment by the federal government. The estimates of expenditures are calculated by program, that is, by activity for a single line item or for a group of line items in the *Budget of the U.S. Government*. For most programs, BEA adjusts budget outlays so that they conform to NIPA concepts and definitions and classifies the expenditures in the appropriate NIPA category, such as current transfer payments or interest payments, with nondefense consumption expenditures and gross investment determined residually. When a fiscal year analysis is completed, the detailed array of NIPA expenditures by program and by type of expenditure provides a set of control totals for the quarterly estimates.⁸

Estimates of real GDP

BEA uses three methods to estimate real GDP: the deflation method, the quantity extrapolation method, and the direct valuation method. These methods and the source data that are used for estimation are listed in [table 2](#).

The deflation method is used for most components of GDP. A quantity index is derived by dividing the current-dollar index by an appropriate price index that has the base year—currently 2012—equal to 100. The result is then multiplied by 100.

The quantity extrapolation method uses quantity indexes that are obtained by using a quantity indicator to extrapolate from the base-year value of 100.

The direct valuation method uses quantity indexes that are obtained by multiplying the base-year price by actual quantity data for the index period. The result is then expressed as an index with the base year equal to 100.

The subcomponents in [table 2](#) are the same as those shown in table 1, but the detail differs to highlight the alternative methodologies that are used to calculate the estimates of real GDP.⁹

Table 2. Methodology Used in Preparing Estimates of Real Gross Domestic Product

Component	Deflation, using price based on		Using quantity for extrapolation or direct valuation
	Consumer Price Index (CPI) or Producer Price Index (PPI)	Other index	
Personal consumption expenditures			
Goods			
Durable goods			
Motor vehicles and parts	CPI		
Furnishings and durable household equipment	CPI		
Recreational goods and vehicles	CPI		
Other durable goods	CPI		
Nondurable goods			
Food and beverages purchased for off-premises consumption	CPI	BEA composite index of USDA prices received by farmers.	
Clothing and footwear	CPI PPI, for standard clothing issued to military personnel.		
Gasoline and other energy goods	CPI		

Component	Deflation, using price based on		Using quantity for extrapolation or direct valuation
	Consumer Price Index (CPI) or Producer Price Index (PPI)	Other index	
Other nondurable goods	CPI	BEA installation support services price index, for expenditures abroad by U.S. residents.	
Services			
Household consumption expenditures (for services)			
Housing and utilities	CPI		Quantity extrapolation. Chained-dollar net stock of farm housing from BEA capital stock estimates.
Health care	CPI PPI, for physicians offices, hospitals, proprietary and government nursing homes, home health care services, medical care laboratories, and diagnostic imaging centers.		
Transportation services	CPI PPI, for domestic scheduled air passenger revenue.		
Recreation services	CPI		
Food services and accommodations	CPI		
Financial services and insurance	CPI	BEA composite index of prices, for financial services furnished without payment by other financial institutions ¹ , and life insurance.	Quantity extrapolation. BLS index of total output (less BEA estimates of real bank service charges) times consumer share based on deposits and loans, for banks. BEA transactions derived from volume data from a trade source, for investment companies' charges. BLS banking output index, for trust, fiduciary, and custody activities.
	PPI, for brokerage services, dealer transactions, other securities related services including margin lending and mutual fund sales, portfolio management and investment advice services; commercial bank trust services; homeowner's insurance; direct health and medical insurance carriers; private passenger auto insurance, and workers' compensation.		
Other services	CPI PPI, for employment agency services and international scheduled passenger revenue.	BEA composite index of prices, for social assistance services, labor organization dues, and for net foreign travel. BLS import price index for air passenger transport, for foreign travel.	
Final consumption expenditures of nonprofit institutions serving households		BEA composite index of input prices, for gross output of nonprofit categories.	
Fixed investment			
Nonresidential structures			

Component	Deflation, using price based on		Using quantity for extrapolation or direct valuation
	Consumer Price Index (CPI) or Producer Price Index (PPI)	Other index	
Commercial and health care	PPI, for office buildings, health care buildings, warehouses, and mobile structures.	BEA index based on cost index from trade source and on Census Bureau price index for single-family houses under construction, for certain commercial structures.	Quantity extrapolation. Footage drilled from trade source.
Manufacturing	PPI, for industrial buildings.		
Power and communication	PPI, for steel pipes and tubes	Cost indexes from trade sources and government agencies, for power; cost index from trade source, for communication.	
Mining exploration, shafts, and wells	PPI, for oil and gas well drilling and oil and gas field services.	Base-year cost per footage drilled reflecting BEA data on private investment in mining equipment, footage drilled completions from a trade source, and judgmental trend. BEA index based on cost index from trade source and on Census Bureau price index for single-family houses under construction, for mines.	
Other structures	PPI, for nonresidential real estate brokerage and new school construction.	BEA index, for railroads; BEA index based on cost index from trade source and on Census Bureau price index for single-family houses under construction, for other components.	
Nonresidential equipment			
Equipment except those listed below	PPI, for most domestic components and for imported transportation equipment.	BLS import price indexes, for imported components except transportation equipment.	
New autos, new light trucks, and net purchases of used autos and used light trucks	CPI		
Communication equipment	CPI, for smartphones.	FRB price indexes for data networking equipment, voice network equipment, data transport equipment, and wireless networking equipment.	
Photocopying equipment		BEA price index.	
Electro-medical equipment		BEA price indexes for medical imaging equipment and for electronic medical equipment.	
Nonresidential intellectual property products			
Software	PPI, for software publishing, except games.	BEA cost index based primarily on BLS average wage rates for select occupations and on PPI, for own-account and custom software.	
Research and development		BEA cost index based primarily on BLS data on average wages for selected industries.	
Entertainment, literary, and artistic originals	CPI and PPI		
Residential investment			
Permanent-site new single-family structures		Census Bureau price index for single-family houses under construction.	
Permanent-site new multifamily structures		Census Bureau price index for multi-family houses under construction.	
Manufactured homes	PPI, for mobile homes.		

Component	Deflation, using price based on		Using quantity for extrapolation or direct valuation
	Consumer Price Index (CPI) or Producer Price Index (PPI)	Other index	
Improvements		BEA composite index of input prices, for major replacements; BEA index based on Census Bureau price index for single-family houses under construction and BEA index for major replacements, for additions and alterations.	
Brokers' commissions and other ownership transfer costs	PPI, for residential real estate brokerage.		
Equipment	CPI		
Change in private inventories			
Farm		USDA average market prices.	
Nonfarm			
Purchased goods of all industries	PPI	Composite price from the EIA, for crude petroleum; BLS import price indexes, for imported goods purchased by trade industries.	Direct valuation. Quantities and prices of stocks of coal, petroleum, and natural gas from EIA, for utilities.
Work-in-process and finished goods, manufacturing	PPI	BEA indexes of unit labor costs.	
Net exports of goods and services			
Exports and imports of goods	PPI, for gold, semi-conductor exports, selected transportation equipment, selected communications equipment, and selected agricultural products. CPI, for smartphones.	BLS export and import price indexes; FRB price index, for various communications equipment; BEA price indexes for electro-medical equipment and parts exports and imports, and other exports and imports of goods; unit-value indexes based on Census Bureau values and quantities, for electric energy exports and imports.	Direct valuation. Quantities and unit-value indexes from monthly Census Bureau compilations of import data converted to a balance-of-payments basis, for imports of petroleum.
Exports and imports of services	CPI, for medical receipts and payments, travel receipts, and nonresident student expenditures. PPI, for selected transport categories and selected business services categories.	Selected deflators, for military transfers and defense expenditures: see "National defense except consumption of general government fixed capital" below. BEA composite index of foreign CPIs ² , for travel payments, for miscellaneous services, and for U.S. students' expenditures abroad; BLS export and import price indexes, for selected transport categories; BEA implicit price deflators, for selected business services categories.	Quantity extrapolation. BLS index of total bank output (less BEA estimates of real bank service charges), for exports of financial services furnished without payment ¹ ; premiums deflated by PPI, for exports and imports of insurance
Government consumption expenditures and gross investment			
Federal government			
National defense except consumption of general government fixed capital	PPI, for selected goods and services. CPI and PPI, for utilities and communications.	BEA indexes based on DOD prices paid, for some goods and services; BLS employment cost indexes, for some services; cost indexes from trade sources and government agencies, for military and nonmilitary structures; BEA index derived from nondefense compensation, for own-account software; BEA index derived from nondefense indexes and input-cost indexes, for research and development; BEA index derived from nondefense compensation price index and PPI, for custom software.	Quantity extrapolation. Full-time equivalent employment by rank and length of service, for military compensation; full-time equivalent employment by grade, adjusted for change from base year in hours worked, for civilian compensation. Direct valuation. Quantities and prices from DOD reports, for some goods and services; quantities from DOE, for electricity and natural gas.

Component	Deflation, using price based on		Using quantity for extrapolation or direct valuation
	Consumer Price Index (CPI) or Producer Price Index (PPI)	Other index	
National defense consumption of general government fixed capital			Direct valuation. Perpetual inventory calculations based on gross investment.
Nondefense except consumption of general government fixed capital	PPI, for most goods and selected services. CPI, for rent, utilities, and communications.	Cost indexes from trade sources and government agencies, for structures; BLS employment cost indexes, for some services; BEA index derived from nondefense compensation, for own-account software; BEA index derived from nondefense indexes and input-cost indexes, for research and development; BEA index derived from nondefense compensation price index and PPI, for custom software.	Quantity extrapolation. Full-time equivalent employment by grade, adjusted for change from base year in hours worked, for compensation; BLS index of total bank output (less BEA estimates of real bank service charges), for financial services furnished without payment. ¹ Direct valuation. Quantities by crop from agency reports and USDA prices, for net purchases of agricultural commodities by the Commodity Credit Corporation; DOE quantities and prices, for selected petroleum transactions.
Nondefense consumption of general government fixed capital			Direct valuation. Perpetual inventory calculations based on gross investment.
State and local government			
Consumption expenditures and gross investment except those listed below	CPI, for services.	BEA indexes based on federal nondefense prices paid, for transportation, books, and postal services; BEA composite indexes of input prices, for elementary and secondary education, welfare, and libraries; BEA composite price index for state and local construction, for maintenance and repair services.	Quantity extrapolation. See the entry "Financial services and insurance" under "Personal consumption expenditures."
Compensation of general government employees			Quantity extrapolation. Full-time equivalent employment by education and experience, adjusted for change from base year in hours worked, for employees in education; full-time equivalent employment, adjusted for change from base year in hours worked, for other employees.
Consumption of general government fixed capital			Direct valuation. Perpetual inventory calculations based on gross investment.
Structures	PPI, for office buildings, health care buildings, highways, educational buildings, and manufacturing buildings.	Cost indexes from trade sources and government agencies, BLS employment cost index for construction.	
Intellectual property products		See the entries "Software" and "Research and development" under "Nonresidential intellectual property products."	

BEA Bureau of Economic Analysis

BLS Bureau of Labor Statistics

CPI Consumer price index

DOD Department of Defense

DOE Department of Energy

EIA Energy Information Administration

FRB Federal Reserve Bank

PPI Producer price index

USDA U.S. Department of Agriculture

1. Also referred to as "services furnished without payment by financial intermediaries, except life insurance carriers."

2. The foreign CPIs are adjusted for differences in exchange rates.

1. The concepts and methodologies that underlie the NIPAs are subject to periodic improvements as part of the comprehensive and annual updates of the NEAs, and information about these improvements is available on BEA's website. See also "[The 2022 Annual Update of the National Economic Accounts](#)," *Survey of Current Business* 102 (November 2022).
2. For detailed descriptions of the fundamental concepts, definitions, classifications, and accounting framework that underlie the NIPAs and of the general sources and methods that are used to prepare the estimates, see *NIPA Handbook: Concepts and Methods of the U.S. National Income and Product Accounts* on BEA's website.
3. For specific information on key monthly source data incorporated in the current quarterly estimates, see "[GDP and the Economy](#)" in the *Survey*.
4. See *U.S. International Economic Accounts: Concepts and Methods* on BEA's website. Improvements in methodology are usually introduced as part of annual ITA revisions; see "[Annual Update of the U.S. International Transactions Accounts](#)," *Survey* 102 (July 2022).
5. For additional information on the commodity-flow method, see "[Chapter 4: Estimating Methods](#)" in *NIPA Handbook: Concepts and Methods of the U.S. National Income and Product Accounts*, 4–9.
6. For additional information, see "[Estimating Methods](#)," 4–9 and "[What is the retail-control method?](#)"
7. For additional information, see "[Estimating Methods](#)," 4–12.
8. For details, see "[Chapter 9: Government Consumption Expenditures and Gross Investment](#)."
9. For estimates of real GDP, the distinction between annual and quarterly methodologies is less important than it is for the current-dollar estimates. For the relatively few cases in which the annual and quarterly source data differ, the major differences are noted.



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The 2022 Annual Update of the Regional Economic Accounts: New Statistics for 2021 and Updated Statistics for 2017–2020

Toward Regional Economic Recovery from the COVID–19 Pandemic

By Ledia Guci | Volume 102, Number 11 | November 17, 2022

The varying economic experiences across states precipitated by the financial crisis and the economic recession of 2007–2009 and, more recently, by the COVID–19 pandemic continue to emphasize the importance of regional economic statistics. On September 30, 2022, the U.S. Bureau of Economic Analysis (BEA) released the results of the 2022 annual update of the regional economic accounts. With this release, BEA published concurrently, for the first time, quarterly and annual statistics for gross domestic product (GDP) by state and state personal income.¹ The release of annual data on personal consumption expenditures (PCE) by state followed less than a week later, on October 6, 2022. This article focuses on the annual estimates for 2021 from these releases to tell a story of ongoing regional economic recovery from the COVID–19 pandemic.² It also provides an overview of the revised statistics for 2017–2020.

GDP by state, state personal income, and PCE by state are related economic measures that provide important and nuanced insights on various aspects of state economies. GDP by state is a comprehensive measure of production activities in each state. In addition to the value of goods and services produced, it shows industries' contribution to each state economy. One way to gauge how a state's economy is performing is to examine the change in state GDP from one period to another. Comparisons of states' GDP with pre-pandemic levels show, for instance, whether state economies are on a path to recovery and how that path varies across states.

Production of goods and services generates income for households. State personal income is a broad measure of the income received by households living in each state. It includes the income earned from production (e.g., wages), income earned from ownership of property (e.g., dividends), as well as transfer payments for government benefits (e.g., unemployment insurance benefits). Because the income that households receive plays an important role in determining their demand for goods and services, it is useful to examine the relationship between output and personal income. While these measures generally move together, there can be exceptions. For instance, as GDP declined during the COVID–19 pandemic, its impact on personal income was mitigated by various federal pandemic response programs including the economic impact payments, the Paycheck Protection Program, unemployment compensation and assistance, and the advanced child tax credit, among others.³

PCE by state shows how households use their personal income to determine their consumption and, like state personal income, it is an important indicator of the well-being of households in each state. It is a broad measure of household spending and includes direct spending by households as well as spending on behalf of households (e.g., health care services paid for by Medicare and Medicaid). Among other insights, these statistics show how households allocate their consumption between necessities and discretionary products and how they adjust their spending in response to changes in economic conditions.

In summary, while GDP by state, state personal income, and PCE by state statistics, individually provide important information on the value of goods and services produced by industries, the incomes earned by households, and the composition of household consumption in each state, together they provide a fuller picture of state economies and a better understanding of current and past regional economic conditions.

New Statistics for 2021

The newly released regional BEA data show how the state economies fared in 2021 following the impacts of the pandemic in 2020.⁴ Despite being the shortest economic recession on record dated by the National Bureau of Economic Research,⁵ the contraction in economic activity that marked this recession was severe, uneven, and widespread. The data show that while nationally the economy has generally recovered, the path to economic recovery has varied widely across states.

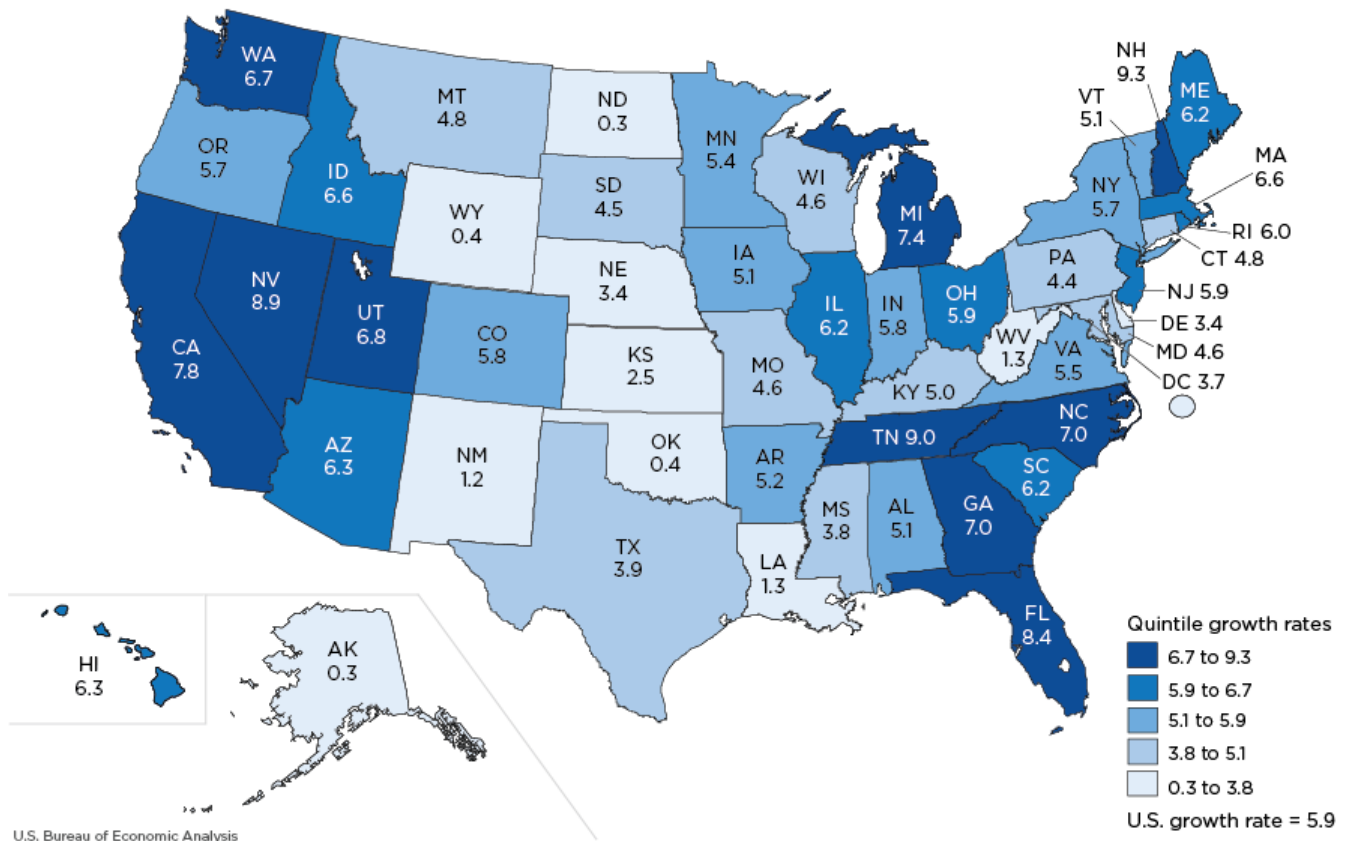
GDP by state

Nationally, real GDP grew 5.9 percent in 2021 after declining 2.8 percent in 2020 (table 1). Real GDP grew in all states and the District of Columbia in 2021 (chart 1). States with the highest real GDP growth were New Hampshire (9.3 percent), Tennessee (9.0 percent), Nevada (8.9 percent), Florida (8.4 percent), California (7.8 percent), and Michigan (7.4 percent). These states experienced below-average declines in real GDP in 2020, except for Michigan and Nevada, whose real GDP declined 4.0 percent and 6.7 percent, respectively. Twelve other states had above-average growth in real GDP in 2021 that ranged from 6 to 7 percent.

Table 1. Gross Domestic Product (GDP) by State, State Personal Income, and Personal Consumption Expenditure: 2021

Region	Real GDP					Personal Income					Millions of dollars	
	Millions of chained 2012 dollars			Percent change from preceding period		Millions of dollars			Percent change from preceding period			
	2019	2020	2021	2020	2021	2019	2020	2021	2020	2021	2019	2020
United States	19,036,052	18,509,143	19,609,812	-2.8	5.9	18,575,467	19,812,171	21,288,709	6.7	7.5	14,392,721	14,116,166
Alabama	203,433	199,881	209,979	-1.7	5.1	216,588	232,040	250,829	7.1	8.1	177,412	177,094
Alaska	53,434	50,705	50,869	-5.1	0.3	45,057	45,965	48,219	2.0	4.9	37,744	35,832
Arizona	325,395	327,178	347,656	0.5	6.3	340,260	375,601	403,739	10.4	7.5	287,273	288,819
Arkansas	117,126	117,268	123,347	0.1	5.2	133,161	142,039	153,186	6.7	7.8	104,159	104,783
California	2,729,226	2,667,221	2,874,731	-2.3	7.8	2,567,426	2,790,524	3,006,184	8.7	7.7	1,917,201	1,848,652
Colorado	358,439	353,345	373,763	-1.4	5.8	356,341	378,051	410,948	6.1	8.7	272,796	272,277
Connecticut	251,568	235,235	246,556	-6.5	4.8	272,459	282,486	300,324	3.7	6.3	184,842	180,077
Delaware	64,144	62,282	64,405	-2.9	3.4	53,203	55,867	60,134	5.0	7.6	45,735	45,112
District of Columbia	124,597	122,485	126,983	-1.7	3.7	58,203	61,926	64,645	6.4	4.4	49,118	47,734
Florida	965,673	950,164	1,029,576	-1.6	8.4	1,165,093	1,235,793	1,356,319	6.1	9.8	964,269	954,880
Georgia	557,364	537,616	575,292	-3.5	7.0	522,393	557,601	602,464	6.7	8.0	415,665	410,296
Hawaii	79,213	70,109	74,547	-11.5	6.3	79,700	83,110	87,858	4.3	5.7	66,957	64,032
Idaho	74,163	75,146	80,094	1.3	6.6	83,032	91,449	99,550	10.1	8.9	63,940	65,101
Illinois	775,998	734,385	780,061	-5.4	6.2	750,936	794,460	852,082	5.8	7.3	573,085	556,286
Indiana	337,902	327,278	346,241	-3.1	5.8	329,625	354,338	384,520	7.5	8.5	259,729	258,618
Iowa	173,722	170,957	179,753	-1.6	5.1	160,361	169,994	182,525	6.0	7.4	121,666	119,315
Kansas	159,826	158,348	162,291	-0.9	2.5	155,126	164,334	172,918	5.9	5.2	114,529	113,476
Kentucky	192,972	188,396	197,818	-2.4	5.0	197,356	214,053	231,180	8.5	8.0	164,782	164,142
Louisiana	237,045	218,422	221,153	-7.9	1.3	222,349	236,324	250,701	6.3	6.1	176,016	173,900
Maine	59,553	59,881	63,595	0.6	6.2	68,863	74,806	80,254	8.6	7.3	62,018	61,371
Maryland	368,056	352,384	368,571	-4.3	4.6	384,074	405,455	430,429	5.6	6.2	280,092	269,486
Massachusetts	514,171	500,001	533,102	-2.8	6.6	513,710	550,460	584,291	7.2	6.1	376,244	360,538
Michigan	467,107	448,455	481,778	-4.0	7.4	495,269	537,494	567,807	8.5	5.6	422,231	411,989
Minnesota	340,557	328,490	346,204	-3.5	5.4	332,916	355,211	378,285	6.7	6.5	261,627	252,088
Mississippi	100,983	100,527	104,354	-0.5	3.8	117,113	126,307	135,347	7.9	7.2	96,482	96,325
Missouri	290,620	282,754	295,687	-2.7	4.6	301,031	320,698	341,254	6.5	6.4	251,601	246,983
Montana	46,886	46,750	48,976	-0.3	4.8	54,084	58,770	62,887	8.7	7.0	45,496	46,022
Nebraska	118,604	118,142	122,136	-0.4	3.4	105,922	112,630	120,189	6.3	6.7	80,568	80,058
Nevada	156,959	146,493	159,567	-6.7	8.9	161,434	172,539	189,308	6.9	9.7	125,722	124,031
New Hampshire	76,819	75,928	82,986	-1.2	9.3	88,823	94,441	101,675	6.3	7.7	71,883	71,131
New Jersey	559,649	535,324	566,893	-4.3	5.9	633,651	663,544	713,721	4.7	7.6	457,257	447,694
New Mexico	94,897	92,496	93,625	-2.5	1.2	91,854	99,018	106,451	7.8	7.5	75,838	74,389
New York	1,500,833	1,432,507	1,514,779	-4.6	5.7	1,362,299	1,442,625	1,524,129	5.9	5.6	1,010,359	966,028
North Carolina	512,835	506,658	541,934	-1.2	7.0	505,470	542,727	592,695	7.4	9.2	406,984	407,610
North Dakota	56,385	53,654	53,804	-4.8	0.3	44,347	47,411	50,003	6.9	5.5	34,788	33,821
Ohio	613,251	594,144	629,287	-3.1	5.9	589,836	631,331	670,036	7.0	6.1	474,618	467,691
Oklahoma	201,162	192,486	193,230	-4.3	0.4	191,852	200,153	214,761	4.3	7.3	138,817	138,004
Oregon	219,588	215,744	227,979	-1.8	5.7	222,257	241,790	261,547	8.8	8.2	180,303	179,130
Pennsylvania	715,061	680,957	710,973	-4.8	4.4	739,892	788,282	833,315	6.5	5.7	592,927	572,692
Rhode Island	53,411	51,516	54,606	-3.5	6.0	61,107	65,709	70,532	7.5	7.3	47,038	45,546
South Carolina	213,238	208,234	221,045	-2.3	6.2	237,025	251,946	272,340	6.3	8.1	196,321	196,788
South Dakota	46,651	47,402	49,558	1.6	4.5	48,797	53,622	57,718	9.9	7.6	37,494	37,477
Tennessee	331,177	323,454	352,461	-2.3	9.0	338,609	362,278	394,520	7.0	8.9	260,151	259,372
Texas	1,779,781	1,747,562	1,815,064	-1.8	3.9	1,560,504	1,624,526	1,767,682	4.1	8.8	1,171,627	1,168,805
Utah	172,038	174,955	186,910	1.7	6.8	157,045	171,385	186,991	9.1	9.1	119,720	122,472
Vermont	29,941	29,065	30,547	-2.9	5.1	35,585	38,098	39,949	7.1	4.9	30,719	29,686
Virginia	489,199	478,909	505,351	-2.1	5.5	507,874	536,817	573,028	5.7	6.7	376,752	369,718
Washington	533,150	538,856	575,129	1.1	6.7	490,322	527,582	570,921	7.6	8.2	361,958	356,590
West Virginia	72,633	70,444	71,343	-3.0	1.3	77,330	80,971	86,452	4.7	6.8	67,992	66,537
Wisconsin	303,669	293,105	306,467	-3.5	4.6	311,019	329,623	351,551	6.0	6.7	243,920	239,973
Wyoming	38,447	36,269	36,400	-5.7	0.4	36,889	37,974	40,323	2.9	6.2	24,806	24,566

Chart 1. Percent Change in Real GDP: 2020–2021



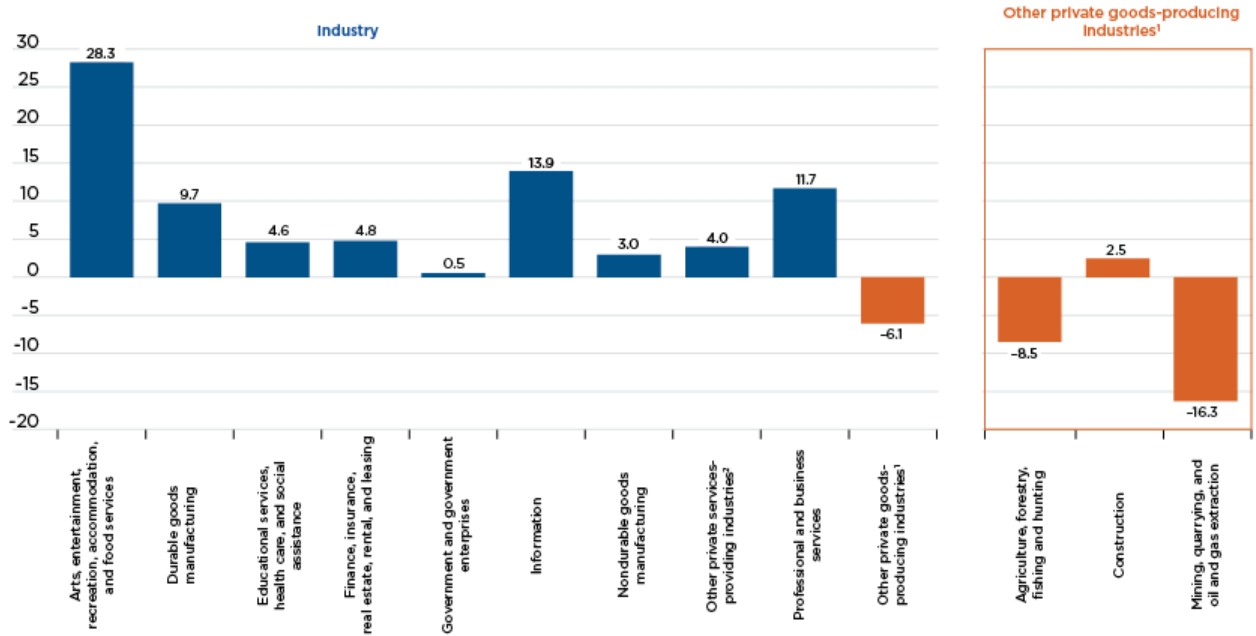
Real GDP growth in 2021 was driven by a broad range of industries: industries that were severely affected at the onset of the pandemic as well as those that showed some resilience as part of the pandemic response (table 2). Arts, entertainment, accommodations, and food services were among industries most notably affected by the lockdowns and social distancing measures,⁶ as was manufacturing by factory closures and supply chain disruptions.⁷ Professional, business, and information services supported various aspects of the pandemic response, including the coronavirus research, the transition to remote work and online learning, and the digital delivery of health care services.⁸

Table 2. Real Gross Domestic Product by Industry, United States: 2020-2021

Industry	Percent change		Change (millions of chained 2012 dollars)	
	2020	2021	2020	2021
All industry total	-2.8	5.9	-526,909	1,100,669
Farms	2.2	-10.3	4,000	-19,475
Forestry, fishing, and related activities	4.9	-2.4	1,701	-879
Oil and gas extraction	11.5	-27.9	47,431	-127,943
Mining (except oil and gas)	-0.4	0.2	-249	143
Support activities for mining	-33.0	6.2	-19,041	2,398
Utilities	3.6	-4.1	10,339	-11,950
Construction	-3.8	2.5	-25,954	15,904
Wood product manufacturing	3.9	-0.4	1,108	-104
Nonmetallic mineral product manufacturing	-2.2	3.1	-1,104	1,519
Primary metal manufacturing	10.5	-10.8	8,120	-9,210
Fabricated metal product manufacturing	-9.8	9.5	-13,863	12,115
Machinery manufacturing	-7.6	13.5	-10,694	17,532
Computer and electronic product manufacturing	2.3	5.8	7,723	20,254
Electrical equipment, appliance, and component manufacturing	-5.2	13.6	-3,058	7,495
Motor vehicles, bodies and trailers, and parts manufacturing	-9.0	33.3	-12,689	42,623
Other transportation equipment manufacturing	-12.1	8.3	-18,216	10,918
Furniture and related product manufacturing	-5.2	7.0	-1,430	1,842
Miscellaneous manufacturing	-4.6	12.6	-4,108	10,642
Food and beverage and tobacco product manufacturing	-0.1	8.1	-182	20,685
Textile mills and textile product mills	-4.7	6.3	-754	949
Apparel, leather, and allied product manufacturing	-22.5	25.0	-1,810	1,561
Paper manufacturing	7.0	-0.6	3,701	-353
Printing and related support activities	-14.3	4.9	-5,359	1,571
Petroleum and coal products manufacturing	-35.2	0.5	-79,271	681
Chemical manufacturing	1.3	-0.3	4,333	-960
Plastics and rubber products manufacturing	-5.2	3.7	-4,040	2,764
Wholesale trade	0.0	5.5	-130	61,168
Retail trade	-2.9	2.6	-32,041	28,383
Air transportation	-52.3	59.2	-63,940	34,458
Rail transportation	-11.5	8.6	-4,213	2,768
Water transportation	14.7	-22.9	1,337	-2,384
Truck transportation	-2.5	-1.2	-3,353	-1,533
Transit and ground passenger transportation	-23.6	3.2	-11,730	1,198
Pipeline transportation	-6.2	1.6	-2,020	496
Other transportation and support activities	3.6	0.4	3,777	432
Warehousing and storage	11.7	13.3	8,784	11,127
Publishing industries (except Internet)	15.1	17.6	47,748	63,927
Motion picture and sound recording industries	-11.1	21.1	-9,842	16,552
Broadcasting (except Internet) and telecommunications	-0.9	5.4	-5,150	29,311
Data processing, hosting, and other information services	5.0	21.6	14,528	66,081
Monetary Authorities- central bank, credit intermediation, and related services	12.2	8.1	53,934	40,151
Securities, commodity contracts, and other financial investments and related activities	-6.0	2.1	-14,025	4,684
Insurance carriers and related activities	-3.7	6.8	-21,269	37,456
Funds, trusts, and other financial vehicles	11.3	78.4	2,149	16,646
Real estate	-0.9	3.2	-18,751	66,511
Rental and leasing services and lessors of nonfinancial intangible assets	-10.3	2.8	-27,370	6,760
Legal services	-7.1	4.8	-15,506	9,604
Computer systems design and related services	4.5	11.5	18,291	49,090
Miscellaneous professional, scientific, and technical services	0.2	12.8	2,049	117,039
Management of companies and enterprises	1.7	10.9	7,206	47,922
Administrative and support services	-5.8	14.3	-30,789	71,625
Waste management and remediation services	-4.2	6.6	-1,936	2,946
Educational services	-9.9	3.3	-22,518	6,814
Ambulatory health care services	-3.1	7.0	-23,766	51,273
Hospitals	0.7	3.4	2,965	15,078
Nursing and residential care facilities	-0.3	0.1	-374	93
Social assistance	-3.7	3.3	-4,337	3,706
Performing arts, spectator sports, museums, and related activities	-35.7	40.2	-43,148	31,213
Amusement, gambling, and recreation industries	-36.3	28.2	-29,353	14,555
Accommodation	-29.9	31.2	-43,848	32,135
Food services and drinking places	-22.7	24.7	-87,457	73,360
Other services (except government and government enterprises)	-9.9	5.4	-36,420	17,977
Federal civilian	3.6	0.5	15,324	2,313
Military	2.2	1.5	6,437	4,493
State and local	-1.9	0.3	-28,319	4,915

Across industries, GDP by industry, or value added—a measure of an industry’s contribution to GDP—grew the fastest in arts, entertainment, recreation, accommodations, and food services (28.3 percent), information (13.9 percent), professional and business services (11.7 percent), and manufacturing, particularly durable goods manufacturing (9.7 percent) (chart 2). In contrast, real GDP declined in non-manufacturing other private goods-producing industries driven by declines in agriculture and mining.

Chart 2. Percent Change in Real GDP by Industry, United States: 2020–2021

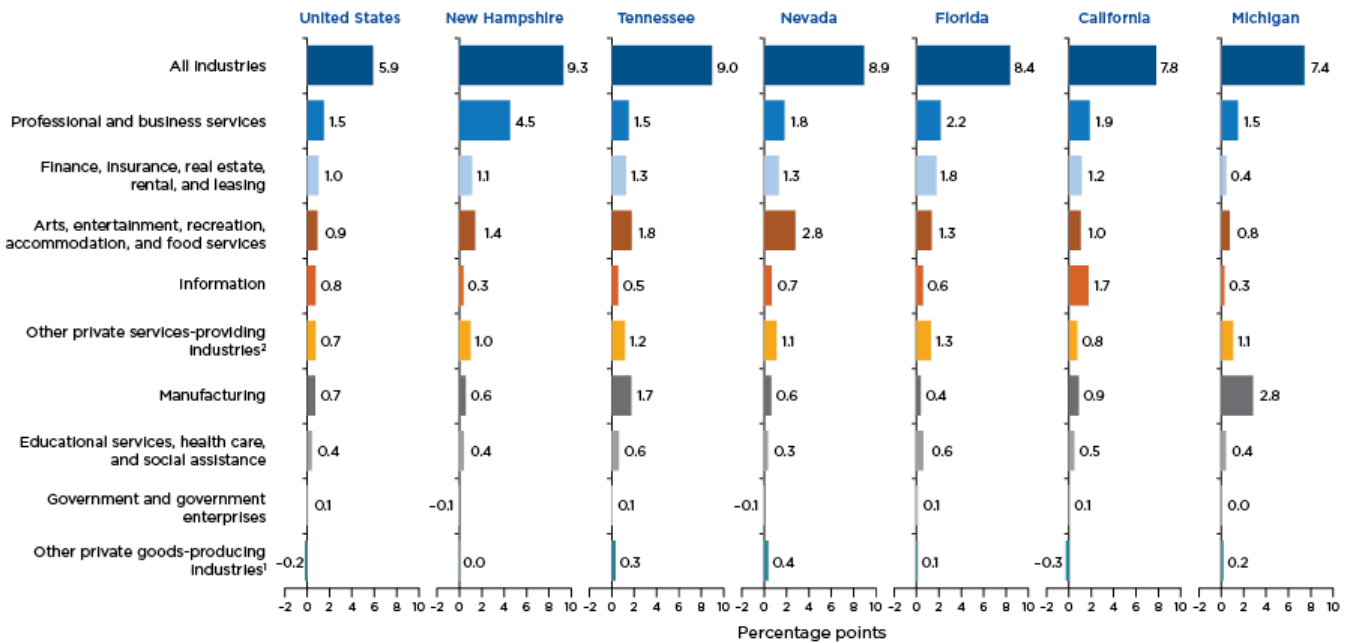


1. Other private goods-producing industries consist of agriculture, forestry, fishing, and hunting; mining, quarrying, and oil and gas extraction; and construction.

2. Other private services-providing industries consist of utilities, wholesale trade, retail trade, transportation and warehousing, and other services (except government and government enterprises).

Professional and business services were the leading contributor to real GDP growth in 2021 in New Hampshire, Florida, and California and a large contributor to growth in all other fastest growing states (chart 3, table 3). Finance, insurance, real estate; and arts, entertainment, recreation, accommodation and food services were the next largest contributors to growth in Florida. Information was the second largest contributor to growth in California.

Chart 3. Contributions to Percent Change in Real GDP, Fastest Growing States: 2020–2021



1. Other private goods-producing industries consist of agriculture, forestry, fishing, and hunting; mining, quarrying, and oil and gas extraction; and construction.
 2. Other private services-providing industries consist of utilities, wholesale trade, retail trade, transportation and warehousing, and other services (except government and government enterprises).
 U.S. Bureau of Economic Analysis

Arts, entertainment, recreation, accommodation and food services were the leading contributor to real GDP growth in Nevada. Manufacturing, particularly durable goods manufacturing, was the largest contributor to growth in Michigan. These two industries also made sizable contributions to real GDP growth in Tennessee.

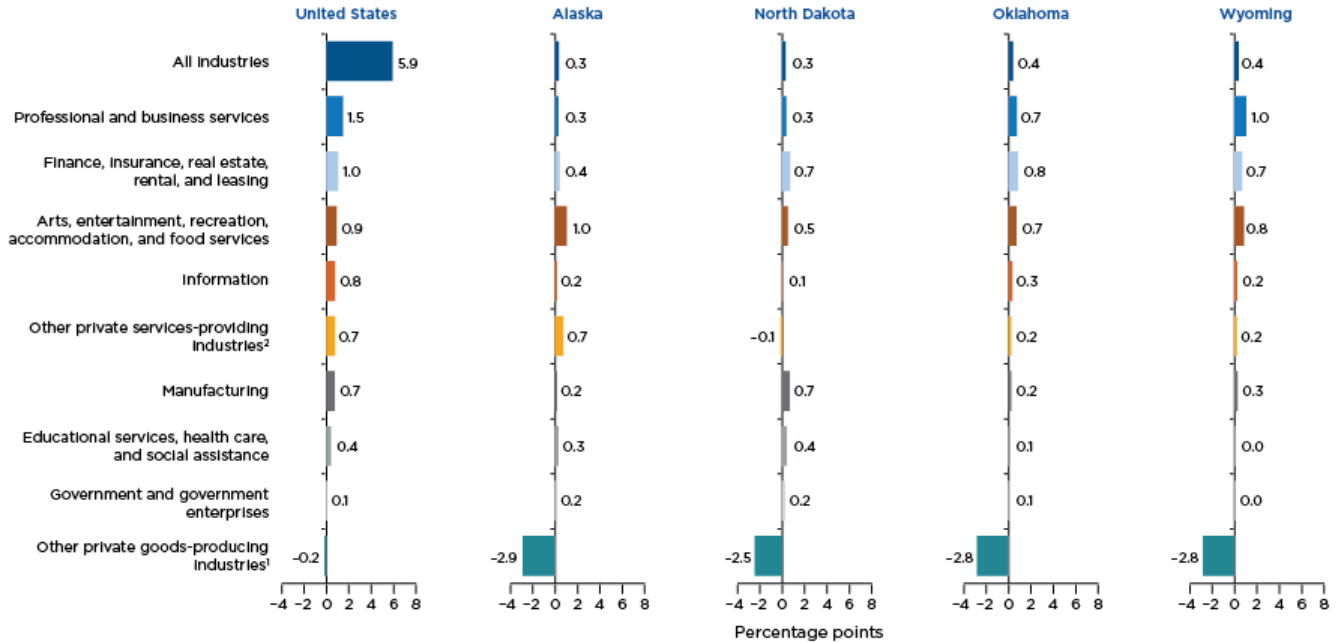
Table 3. Contributions to Percent Change in Real GDP by State: 2020–2021

Region	Percent change in real GDP	Contributions to percent change (percentage points)							
		Durable goods manufacturing	Nondurable goods manufacturing	Other private goods-producing industries ¹	Information	Finance, insurance, real estate, rental and leasing	Professional and business services	Educational services, health care, and social assistance	Arts, entertainment, recreation, accommodation, and food services
United States	5.9	0.57	0.14	-0.18	0.75	1.02	1.47	0.40	0.91
Alabama	5.1	0.86	0.10	0.31	0.26	1.23	0.93	0.33	0.56
Alaska	0.3	-0.02	0.18	-2.89	0.17	0.37	0.29	0.29	1.04
Arizona	6.3	0.63	0.15	0.32	0.48	1.27	1.42	0.35	0.80
Arkansas	5.2	0.74	0.19	0.59	0.17	0.57	1.24	0.22	0.59
California	7.8	0.81	0.07	-0.26	1.74	1.16	1.85	0.47	1.04
Colorado	5.8	0.21	0.29	-1.14	0.61	1.25	1.94	0.28	1.14
Connecticut	4.8	0.96	0.08	0.04	0.50	0.74	0.91	0.35	0.82
Delaware	3.4	0.03	0.01	0.09	0.12	0.71	0.90	0.31	0.60
District of Columbia	3.7	0.01	0.01	0.00	0.84	0.58	1.25	0.08	0.84
Florida	8.4	0.24	0.14	0.09	0.58	1.77	2.17	0.62	1.34
Georgia	7.0	0.59	0.31	0.11	1.42	1.06	1.33	0.45	0.72
Hawaii	6.3	0.07	0.07	-0.26	0.50	0.97	0.73	0.29	3.04
Idaho	6.6	0.21	0.27	-0.56	0.43	1.62	1.46	0.70	0.91
Illinois	6.2	0.41	0.41	0.16	0.40	1.32	1.41	0.34	0.91
Indiana	5.8	2.40	-0.15	0.10	0.14	0.77	1.12	0.38	0.56
Iowa	5.1	0.91	0.29	0.99	0.15	1.31	0.72	0.25	0.52
Kansas	2.5	0.62	0.13	-0.38	0.29	0.36	0.51	0.16	0.54
Kentucky	5.0	1.21	0.24	-0.15	0.20	0.68	0.82	0.69	0.59
Louisiana	1.3	0.11	-0.71	-0.30	0.25	0.35	0.67	0.14	0.72
Maine	6.2	0.53	0.24	-0.02	0.32	0.97	1.45	0.66	1.43
Maryland	4.6	0.05	0.08	0.00	0.90	0.44	1.43	0.36	0.66
Massachusetts	6.6	0.33	0.10	0.21	0.71	0.54	2.32	0.55	0.89
Michigan	7.4	2.68	0.16	0.17	0.28	0.44	1.49	0.40	0.76
Minnesota	5.4	0.73	0.28	0.23	0.14	0.89	1.31	0.56	0.70
Mississippi	3.8	0.84	0.59	0.15	0.23	0.37	0.74	0.01	0.74
Missouri	4.6	0.70	0.18	0.08	0.36	0.70	0.99	0.25	0.86
Montana	4.8	0.21	0.46	-1.62	0.40	1.29	1.27	0.61	1.30
Nebraska	3.4	0.53	0.52	-0.06	0.40	0.31	0.58	0.21	0.38
Nevada	8.9	0.50	0.15	0.37	0.68	1.29	1.80	0.34	2.77
New Hampshire	9.3	0.42	0.14	0.01	0.35	1.12	4.52	0.39	1.41
New Jersey	5.9	0.19	-0.09	0.07	0.70	0.62	1.57	0.49	0.88
New Mexico	1.2	0.04	0.00	-2.54	0.50	0.38	0.88	0.32	1.18
New York	5.7	0.12	0.10	0.04	0.85	1.03	1.17	0.45	1.14
North Carolina	7.0	0.56	0.32	0.31	0.56	1.13	1.62	0.67	0.85
North Dakota	0.3	0.41	0.25	-2.46	0.07	0.70	0.35	0.40	0.49
Ohio	5.9	0.85	0.27	-0.33	0.25	2.06	1.08	0.31	0.71
Oklahoma	0.4	0.17	0.07	-2.83	0.31	0.84	0.72	0.12	0.69
Oregon	5.7	-0.21	0.16	-0.12	0.67	0.99	1.54	0.41	1.11
Pennsylvania	4.4	0.35	0.07	-0.17	0.50	0.46	1.59	0.25	0.79
Rhode Island	6.0	0.65	0.00	0.15	0.27	0.57	1.76	0.58	1.25
South Carolina	6.2	1.30	0.14	0.18	0.56	1.01	1.07	0.36	0.93
South Dakota	4.5	0.50	0.20	-0.32	0.13	2.05	0.68	0.37	0.55
Tennessee	9.0	1.22	0.51	0.32	0.55	1.26	1.49	0.64	1.77
Texas	3.9	0.47	0.04	-1.82	0.43	1.21	1.66	0.29	0.65
Utah	6.8	0.68	0.43	0.16	0.85	1.56	1.08	0.35	0.71
Vermont	5.1	0.43	0.05	-0.07	0.24	0.97	1.61	0.36	1.35
Virginia	5.5	0.42	0.19	-0.04	0.50	0.85	1.58	0.42	0.76
Washington	6.7	-0.05	0.15	-0.16	2.35	1.03	1.53	0.32	0.79
West Virginia	1.3	0.37	0.22	-1.62	0.23	0.50	0.62	0.37	0.67
Wisconsin	4.6	1.25	0.36	-0.22	0.28	0.67	0.84	0.35	0.71
Wyoming	0.4	0.04	0.22	-2.82	0.22	0.65	1.02	0.01	0.81

1. Other private goods-producing industries consist of agriculture, forestry, fishing, and hunting; mining, quarrying, and oil and gas extraction; and construction.
2. Other private services-providing industries consist of utilities, wholesale trade, retail trade, transportation and warehousing, and other services (except government and government enterprises).

States with the slowest real GDP growth in 2021 were Alaska (0.3 percent), North Dakota (0.3 percent), Oklahoma (0.4 percent), and Wyoming (0.4 percent) (table 1). These states experienced sizable declines in real GDP in 2020 that ranged from 4.3 percent in Oklahoma to nearly 5.7 percent in Wyoming. While real GDP grew for many industries in these states, the positive contributions by these industries were almost entirely offset by large declines in other private goods-producing industries: agriculture and mining (chart 4, table 3).

Chart 4. Contributions to Percent Change in Real GDP, Slowest Growing States: 2020–2021

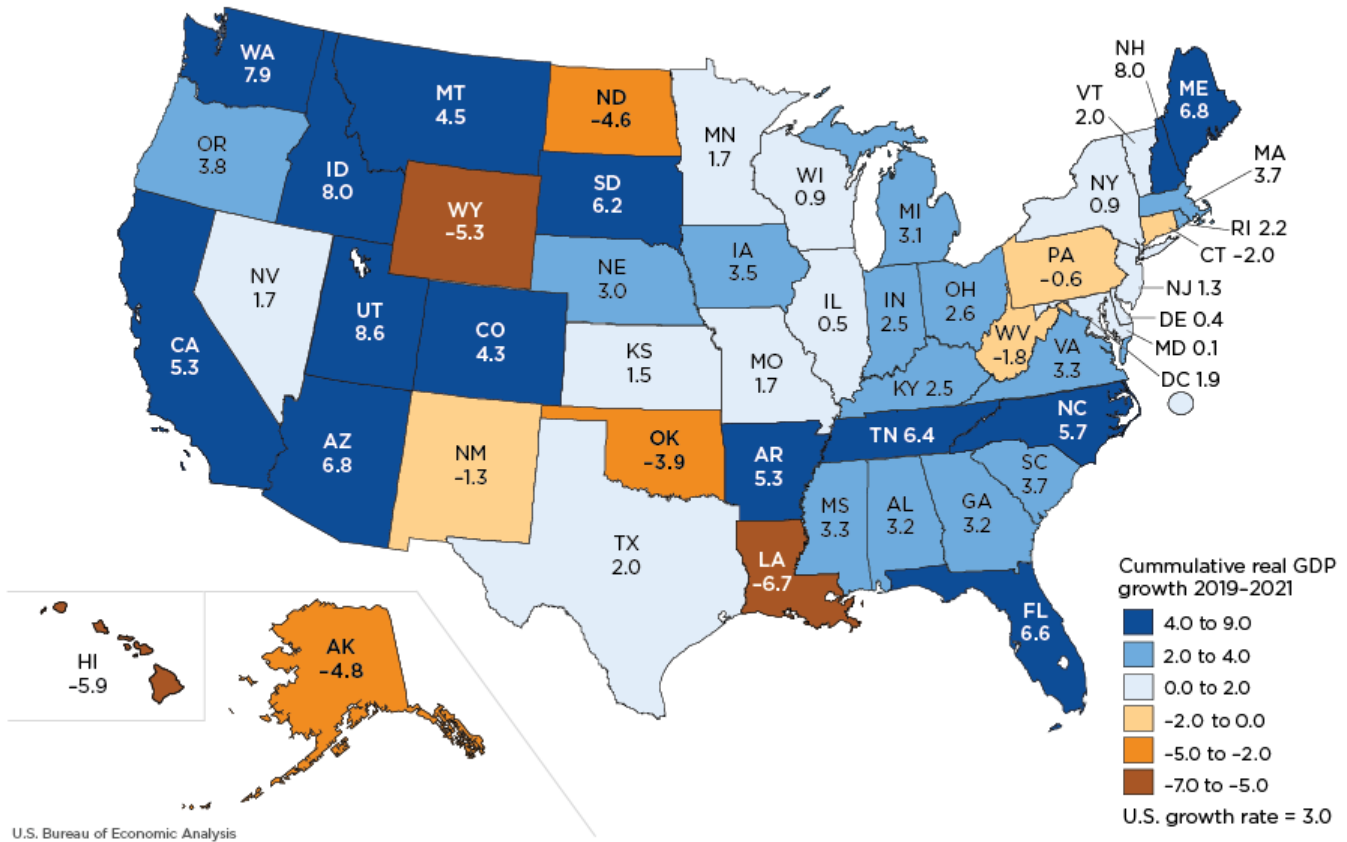


1. Other private goods-producing industries consist of agriculture, forestry, fishing, and hunting; mining, quarrying, and oil and gas extraction; and construction.
 2. Other private services-providing industries consist of utilities, wholesale trade, retail trade, transportation and warehousing, and other services (except government and government enterprises).
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Overall, in 2021 production in all states was on a path to recovery from the pandemic recession.⁹ This recovery, however, has been characterized by both supply- and demand-specific challenges including pandemic-related supply chain disruptions, tight labor markets, and strong demand stemming from federal relief and recovery measures.¹⁰

Ten states had yet to reach their pre-pandemic real GDP levels in 2021 (chart 5). Among these, Louisiana, Hawaii, Wyoming, Alaska, North Dakota, and Oklahoma had real GDP levels in 2021 that were nearly 4 to 7 percent lower than in 2019. In contrast, real GDP levels in Utah, New Hampshire, Idaho, and Washington were about 8 percent or more higher than in 2019. The national average real GDP growth from 2019 to 2021 was 3 percent.

Chart 5. Cumulative Percent Change in Real GDP: 2019–2021

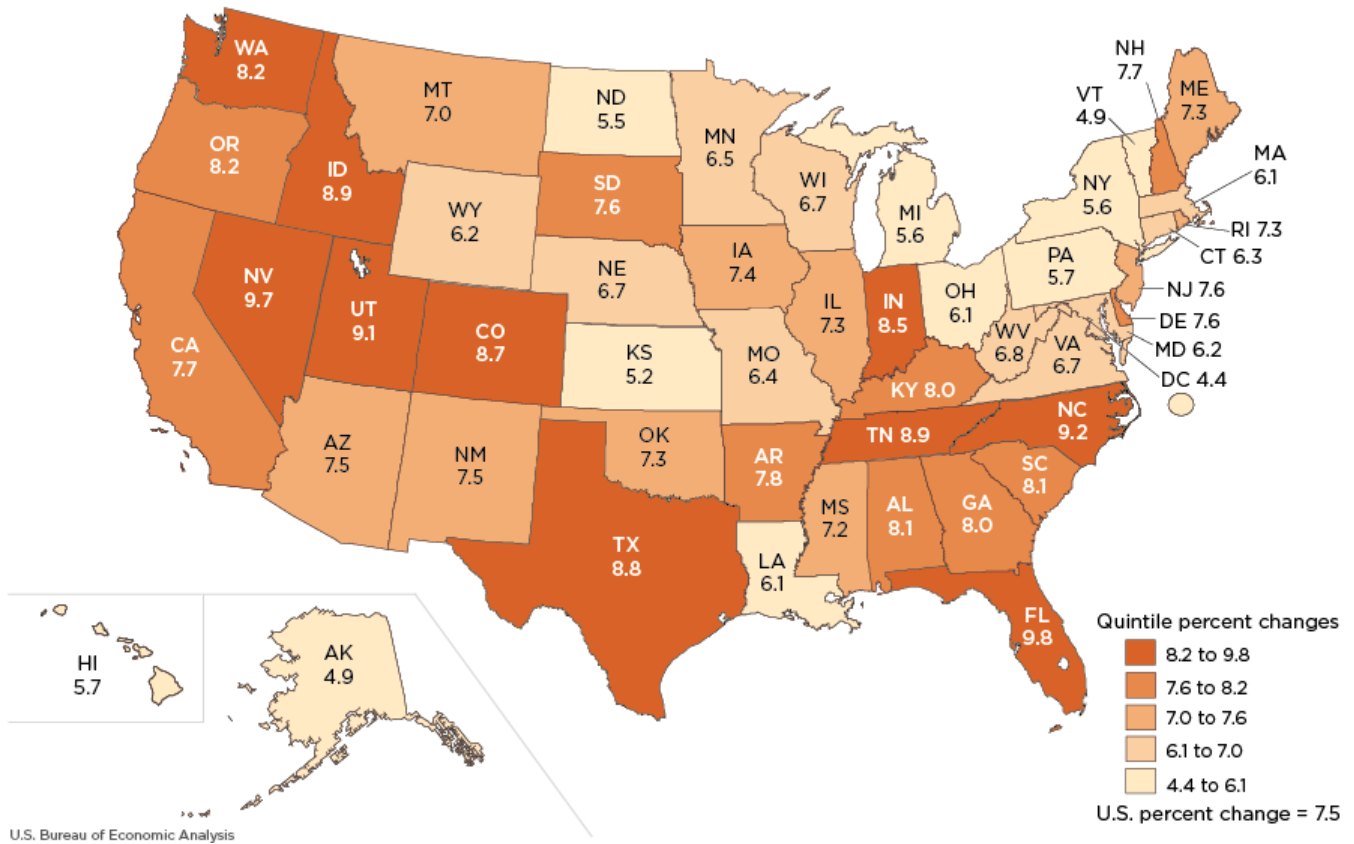


State personal income

Next, statistics on personal income and personal consumer spending provide insights into how households fared in 2021. Specifically, how much income households received in each state and how they adjusted their spending in response to the relatively more favorable economic conditions in 2021 compared with 2020.

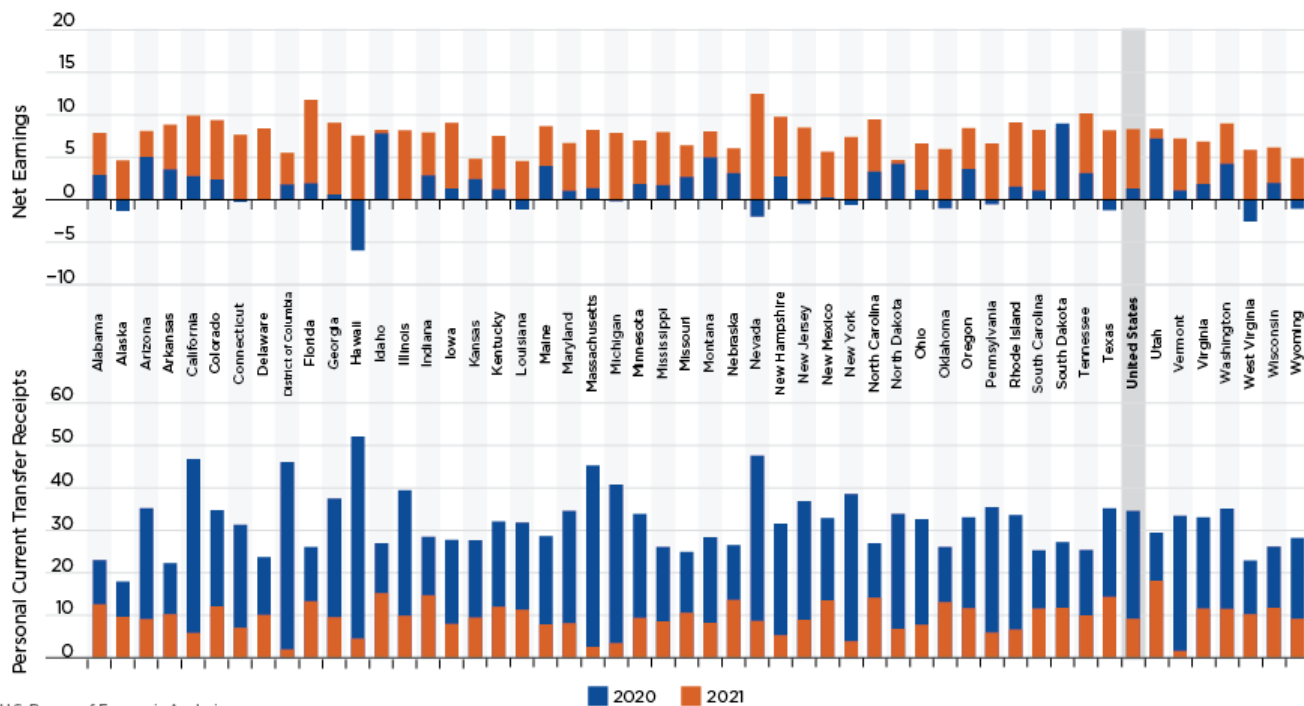
Nationally, current-dollar personal income increased 7.5 percent in 2021, accelerating from 6.7 percent in 2020 (table 1). Increases in state personal income ranged from 9.8 percent in Florida to 4.9 percent in Alaska and Vermont (chart 6). In addition to Florida, Nevada and Tennessee were among states with the largest increases in personal income that were also among the fastest growing states in real GDP. In contrast, Alaska and North Dakota were among the states with lowest increases in personal income and slowest growing states in real GDP. The District of Columbia had the lowest increase in personal income in 2021 (4.4 percent).

Chart 6. Percent Change in Personal Income: 2020–2021



Across states, variations in personal income increases are largely attributable to a combination of industry-specific increases in earnings and variation in changes in personal current transfer receipts, which continued to increase in 2021 but at a slower pace compared with 2020. These general trends—the increase in income earned from current production and the deceleration in current transfer receipts (chart 7)—are consistent with the growth in production observed in the real GDP statistics.

Chart 7. Percent Change from Preceding Period in Net Earnings and Personal Current Transfer Receipts: 2020–2021



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Substantial increases in earnings—comprised of compensation of employees and proprietors' income—were the leading contributor to the overall increase in state personal income. Compensation of employees, the largest component of personal income, increased on average 8.2 percent in 2021, up from 1.2 percent in 2020 (table 4). The percent change in compensation across states ranged from 3.3 percent in North Dakota to 13.9 percent in New Hampshire and accelerated in all states and in the District of Columbia.

Table 4. Percent Change in State Personal Income and Selected Components: 2019–2021

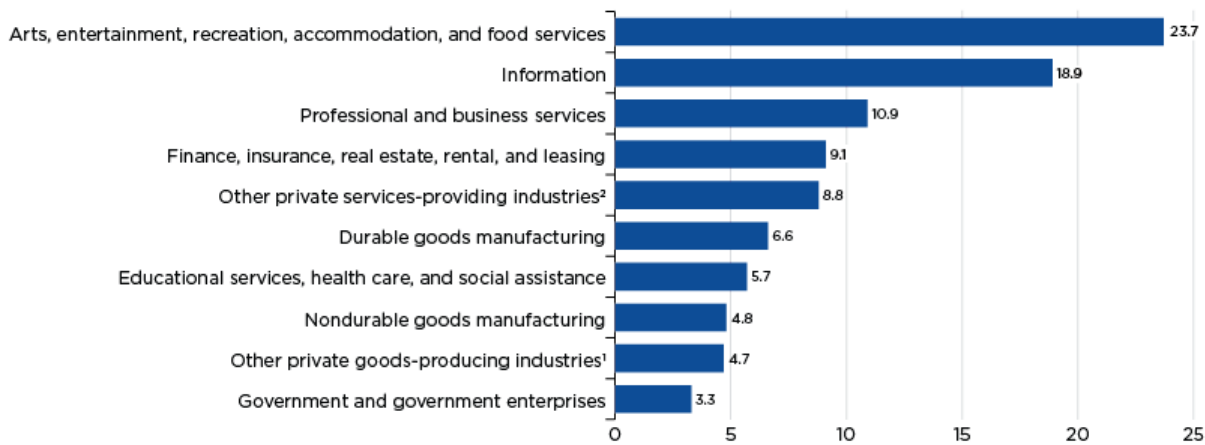
Region	2019–2020					2020–2021				
	Personal income	Compensation of employees	Proprietors' income with IVA and CCAAdj	Dividends, interest, and rent	Personal current transfer receipts	Personal income	Compensation of employees	Proprietors' income with IVA and CCAAdj	Dividends, interest, and rent	Personal current transfer receipts
United States	6.7	1.2	2.3	0.0	34.5	7.5	8.2	7.3	2.9	9.1
Alabama	7.1	2.3	11.3	0.8	23.0	8.1	7.0	11.3	2.2	12.5
Alaska	2.0	-2.1	7.4	-1.7	17.9	4.9	4.6	5.0	0.5	9.6
Arizona	10.4	4.8	10.1	1.4	35.2	7.5	8.6	1.4	3.5	9.1
Arkansas	6.7	2.8	14.6	-2.2	22.2	7.8	7.3	18.8	2.5	10.2
California	8.7	3.1	-0.2	0.2	46.8	7.7	10.3	5.6	2.7	5.8
Colorado	6.1	2.3	2.9	0.6	34.8	8.7	8.8	10.8	4.2	12.1
Connecticut	3.7	-0.2	0.9	-1.6	31.3	6.3	6.0	5.8	1.7	7.0
Delaware	5.0	0.5	-6.5	0.1	23.7	7.6	6.2	12.1	2.4	10.0
District of Columbia	6.4	2.0	0.1	-2.8	46.1	4.4	4.7	19.2	2.6	1.9
Florida	6.1	1.8	3.7	0.7	26.0	9.8	11.9	6.9	3.6	13.2
Georgia	6.7	1.4	-4.0	0.8	37.5	8.0	9.0	8.7	3.0	9.5
Hawaii	4.3	-5.1	-11.1	-1.2	52.1	5.7	7.3	7.8	1.8	4.5
Idaho	10.1	6.8	15.1	2.6	26.9	8.9	10.9	-4.5	4.2	15.2
Illinois	5.8	-0.3	3.6	-0.4	39.5	7.3	7.0	15.1	1.8	9.8
Indiana	7.5	1.0	15.6	0.9	28.5	8.5	8.0	6.4	1.8	14.6
Iowa	6.0	1.5	1.2	0.6	27.7	7.4	5.5	30.6	1.3	7.9
Kansas	5.9	1.5	9.0	-0.4	27.7	5.2	5.0	2.6	2.2	9.4
Kentucky	8.5	0.9	9.1	0.3	32.1	8.0	7.6	9.0	2.5	11.9
Louisiana	6.3	-2.3	7.5	0.0	31.8	6.1	4.5	4.8	2.9	11.3
Maine	8.6	3.3	10.0	0.2	28.6	7.3	9.0	3.5	2.3	7.8
Maryland	5.6	1.4	-6.3	-0.4	34.6	6.2	6.5	6.9	2.5	8.1

Region	2019-2020					2020-2021				
	Personal income	Compensation of employees	Proprietors' income with IVA and CCAj	Dividends, interest, and rent	Personal current transfer receipts	Personal income	Compensation of employees	Proprietors' income with IVA and CCAj	Dividends, interest, and rent	Personal current transfer receipts
Massachusetts	7.2	0.8	3.9	-0.5	45.3	6.1	8.2	6.8	3.0	2.5
Michigan	8.5	-2.0	16.9	0.3	40.8	5.6	7.6	6.2	1.9	3.4
Minnesota	6.7	0.3	15.7	0.5	33.9	6.5	6.7	5.7	2.1	9.3
Mississippi	7.9	1.7	6.7	0.1	26.1	7.2	6.1	17.3	1.8	8.5
Missouri	6.5	1.2	15.3	0.1	24.9	6.4	5.8	6.0	1.3	10.6
Montana	8.7	4.0	14.8	1.7	28.4	7.0	10.2	-3.3	3.6	8.2
Nebraska	6.3	2.2	10.0	1.1	26.5	6.7	5.5	7.7	2.4	13.6
Nevada	6.9	-2.4	-2.3	0.9	47.6	9.7	12.6	9.9	4.5	8.7
New Hampshire	6.3	3.0	8.9	-0.7	31.6	7.7	13.9	5.0	2.3	5.2
New Jersey	4.7	0.4	-2.9	-0.5	36.8	7.6	7.4	4.5	2.8	8.9
New Mexico	7.8	0.0	3.7	-0.6	32.9	7.5	5.8	3.4	3.3	13.5
New York	5.9	-0.8	-0.7	-1.3	38.6	5.6	8.0	9.9	2.5	3.9
North Carolina	7.4	2.8	9.6	0.7	26.9	9.2	9.4	8.1	2.2	14.1
North Dakota	6.9	-3.2	42.9	-2.6	33.9	5.5	3.3	6.9	6.7	6.7
Ohio	7.0	0.6	6.8	-0.3	32.7	6.1	6.1	7.3	2.1	7.8
Oklahoma	4.3	-1.1	1.0	-0.3	26.1	7.3	4.7	9.6	4.3	13.0
Oregon	8.8	2.7	9.4	1.2	33.1	8.2	8.6	4.8	3.1	11.6
Pennsylvania	6.5	-0.6	-1.4	-0.5	35.5	5.7	6.4	5.0	2.3	5.9
Rhode Island	7.5	0.3	4.4	0.2	33.6	7.3	7.2	6.9	2.5	6.6
South Carolina	6.3	0.8	-0.6	1.0	25.3	8.1	7.9	7.1	3.1	11.6
South Dakota	9.9	4.0	26.5	1.1	27.2	7.6	6.5	12.9	2.3	11.7
Tennessee	7.0	2.3	7.1	-0.1	25.3	8.9	9.9	8.8	2.0	9.9
Texas	4.1	0.5	-8.6	-1.0	35.2	8.8	8.0	8.1	5.5	14.3
Utah	9.1	6.4	14.2	3.0	29.4	9.1	9.5	-0.3	4.8	18.1
Vermont	7.1	0.4	4.7	-0.8	33.4	4.9	6.2	6.7	2.7	1.6
Virginia	5.7	2.7	-2.3	-0.8	33.1	6.7	6.8	7.8	2.1	11.5
Washington	7.6	4.2	6.0	-0.1	35.1	8.2	9.4	3.4	3.3	11.5
West Virginia	4.7	-2.7	-6.1	-1.7	22.9	6.8	5.3	5.0	2.5	10.2
Wisconsin	6.0	0.5	18.6	0.8	26.2	6.7	6.2	3.3	2.7	11.7
Wyoming	2.9	-3.4	11.0	-1.2	28.2	6.2	5.9	1.9	6.8	9.1

CCAdj Capital consumption adjustment

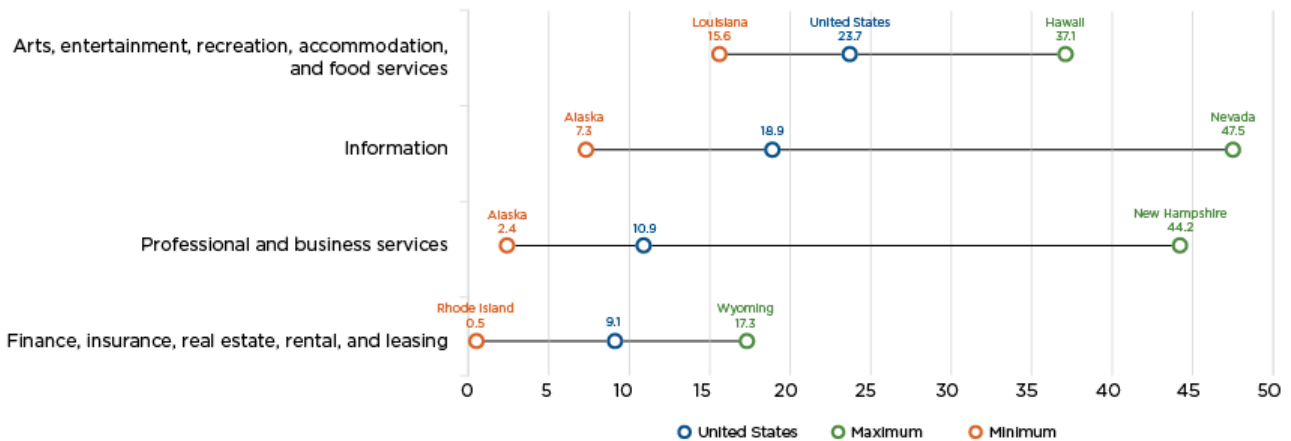
Across industries, compensation of employees increased the most in arts, entertainment, recreation, accommodations, and food services (23.7 percent), followed by information (18.9 percent) and professional and business services (10.9 percent) (chart 8). Across states, the increase in compensation in arts, entertainment, recreation, accommodations, and food services ranged from 37.1 percent in Hawaii to 15.6 percent in Louisiana (chart 9). The increase in compensation in information services ranged from 47.5 percent in Nevada to 7.3 percent in Alaska, while in the professional and business services sector, compensation increases ranged from 44.2 percent in New Hampshire to 2.4 percent in Alaska. Changes in compensation of employees for detailed industries are shown in table 5.

Chart 8. Percent Change in Compensation of Employees by Industry, United States: 2020–2021



1. Other private goods-producing industries consist of agriculture, forestry, fishing, and hunting; mining, quarrying, and oil and gas extraction; and construction.
 2. Other private services-providing industries consist of utilities, wholesale trade, retail trade, transportation and warehousing, and other services (except government and government enterprises).
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Chart 9. Range in Percent Increases in Compensation of Employees Across States, Selected Industries: 2020–2021



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Table 5. Compensation of Employees Component of Personal Income, by Industry, United States: 2020–2021

Industry	Percent change from previous year		Change from previous year (millions of dollars)	
	2020	2021	2020	2021
Farm compensation	6.9	3.0	1,965	917
Forestry and logging	8.5	-0.5	290	-19
Fishing, hunting and trapping	0.1	7.2	1	68
Support activities for agriculture and forestry	9.9	-1.3	2,300	-337
Oil and gas extraction	-8.6	-11.9	-2,652	-3,347
Mining (except oil and gas)	-7.5	5.5	-1,422	961
Support activities for mining	-31.5	-4.0	-11,477	-992
Utilities	5.7	0.3	5,045	296
Construction of buildings	0.0	6.7	-14	9,650
Heavy and civil engineering construction	-0.1	3.7	-105	3,729
Specialty trade contractors	0.0	6.8	-138	23,932
Wood product manufacturing	3.2	10.7	785	2,717
Nonmetallic mineral product manufacturing	-1.0	5.4	-309	1,705
Primary metal manufacturing	-8.3	8.6	-2,832	2,676
Fabricated metal product manufacturing	-4.7	6.0	-5,027	6,114
Machinery manufacturing	-5.3	5.6	-5,385	5,429
Computer and electronic product manufacturing	5.6	8.0	9,010	13,534
Electrical equipment, appliance, and component manufacturing	-1.6	7.8	-616	2,944
Motor vehicles, bodies and trailers, and parts manufacturing	-8.4	9.1	-6,868	6,759
Other transportation equipment manufacturing	-3.6	-0.3	-3,094	-256
Furniture and related product manufacturing	-2.5	7.6	-551	1,653
Miscellaneous manufacturing	-3.9	9.5	-2,269	5,260
Food manufacturing	5.8	5.6	5,867	5,949
Beverage and tobacco product manufacturing	0.8	10.4	159	2,078
Textile mills	-7.2	5.7	-453	335
Textile product mills	-5.8	7.9	-350	448
Apparel manufacturing	-13.6	7.3	-827	386
Leather and allied product manufacturing	-4.3	8.5	-67	126
Paper manufacturing	-1.2	2.5	-371	788
Printing and related support activities	-8.2	1.1	-2,188	269
Petroleum and coal products manufacturing	-1.4	-2.4	-286	-498
Chemical manufacturing	3.8	4.1	4,160	4,647
Plastics and rubber products manufacturing	0.1	8.1	32	4,098
Wholesale trade	0.6	7.8	3,534	43,865
Motor vehicle and parts dealers	-0.1	21.2	-68	27,176
Furniture and home furnishings stores	-4.7	17.7	-1,066	3,849
Electronics and appliance stores	-1.6	7.9	-446	2,232
Building material and garden equipment and supplies dealers	11.2	7.7	6,374	4,906
Food and beverage stores	9.5	1.7	9,874	1,890
Health and personal care stores	0.5	6.1	265	3,218
Gasoline stations	4.3	7.3	1,195	2,128
Clothing and clothing accessories stores	-17.5	13.9	-6,912	4,529
Sporting goods, hobby, musical instrument, and book stores	-2.7	16.7	-417	2,490
General merchandise stores	3.8	10.4	3,676	10,396
Miscellaneous store retailers	-4.5	17.8	-1,313	4,995
Nonstore retailers	12.0	15.0	6,040	8,455
Air transportation	-7.1	1.3	-4,402	776
Rail transportation	-11.9	-0.2	-2,774	-50
Water transportation	-7.1	1.4	-560	100
Truck transportation	-0.9	8.3	-970	9,139
Transit and ground passenger transportation	-28.4	13.9	-8,526	2,987
Pipeline transportation	-0.8	-2.9	-73	-253
Scenic and sightseeing transportation	-39.2	27.0	-647	271
Support activities for transportation	-3.0	11.0	-1,641	5,925
Couriers and messengers	17.7	22.4	7,978	11,904
Warehousing and storage	18.3	21.6	11,802	16,448
Publishing industries (except Internet)	9.6	22.9	11,326	29,652
Motion picture and sound recording industries	-13.7	26.8	-5,359	9,087
Broadcasting (except Internet)	-3.4	2.7	-1,026	811
Telecommunications	2.4	2.7	1,961	2,287
Data processing, hosting, and related services	9.5	24.2	5,141	14,388
Other information services	19.8	27.3	14,853	24,533
Monetary authorities-Central bank	5.0	7.3	148	228
Credit intermediation and related activities	10.0	9.2	28,809	28,888
Securities, commodity contracts, and other financial investments and related activities	4.7	16.0	12,301	43,606
Insurance carriers and related activities	5.7	2.6	16,963	8,069

Industry	Percent change from previous year		Change from previous year (millions of dollars)	
	2020	2021	2020	2021
Funds, trusts, and other financial vehicles	19.1	19.9	543	673
Real estate	3.2	11.2	4,146	14,874
Rental and leasing services	-11.1	8.9	-4,208	2,981
Lessors of nonfinancial intangible assets (except copyrighted works)	31.9	-18.5	941	-719
Professional, scientific, and technical services	4.2	11.0	47,135	129,972
Management of companies and enterprises	0.0	9.3	-155	33,306
Administrative and support services	-1.3	12.4	-5,923	55,515
Waste management and remediation services	2.1	6.9	707	2,408
Educational services	0.9	4.9	1,855	10,545
Ambulatory health care services	2.4	8.5	14,724	52,994
Hospitals	4.3	4.6	18,327	20,330
Nursing and residential care facilities	10.7	-1.5	15,162	-2,374
Social assistance	6.3	6.2	8,245	8,651
Performing arts, spectator sports, and related industries	-19.1	14.2	-11,256	6,741
Museums, historical sites, and similar institutions	-10.0	4.7	-773	329
Amusement, gambling, and recreation industries	-19.4	21.1	-11,398	10,013
Accommodation	-25.9	15.5	-23,634	10,483
Food services and drinking places	-20.1	28.4	-66,967	75,493
Repair and maintenance	-1.7	9.0	-1,278	6,741
Personal and laundry services	-18.4	18.8	-12,309	10,237
Religious, grantmaking, civic, professional, and similar organizations	7.0	-0.7	11,900	-1,295
Private households	-2.2	-1.8	-501	-410
Federal civilian	5.0	3.3	17,715	12,393
Military	4.9	6.6	6,848	9,620
State government	3.2	3.1	13,988	13,919
Local government	2.5	3.0	27,310	34,430

Proprietors' income—the income earned by unincorporated businesses that is received by persons—increased on average 7.3 percent in 2021, up from 2.3 percent in 2020 (table 4). This income component continued to be supported by the Coronavirus Food Assistance Program and the Paycheck Protection Program loans to businesses. Iowa, Arkansas, Mississippi, Illinois, South Dakota, Delaware, Alabama, and Colorado were among states with double-digit increases in proprietors' income. Proprietors' income declined in three states: Idaho, Montana, and Utah.

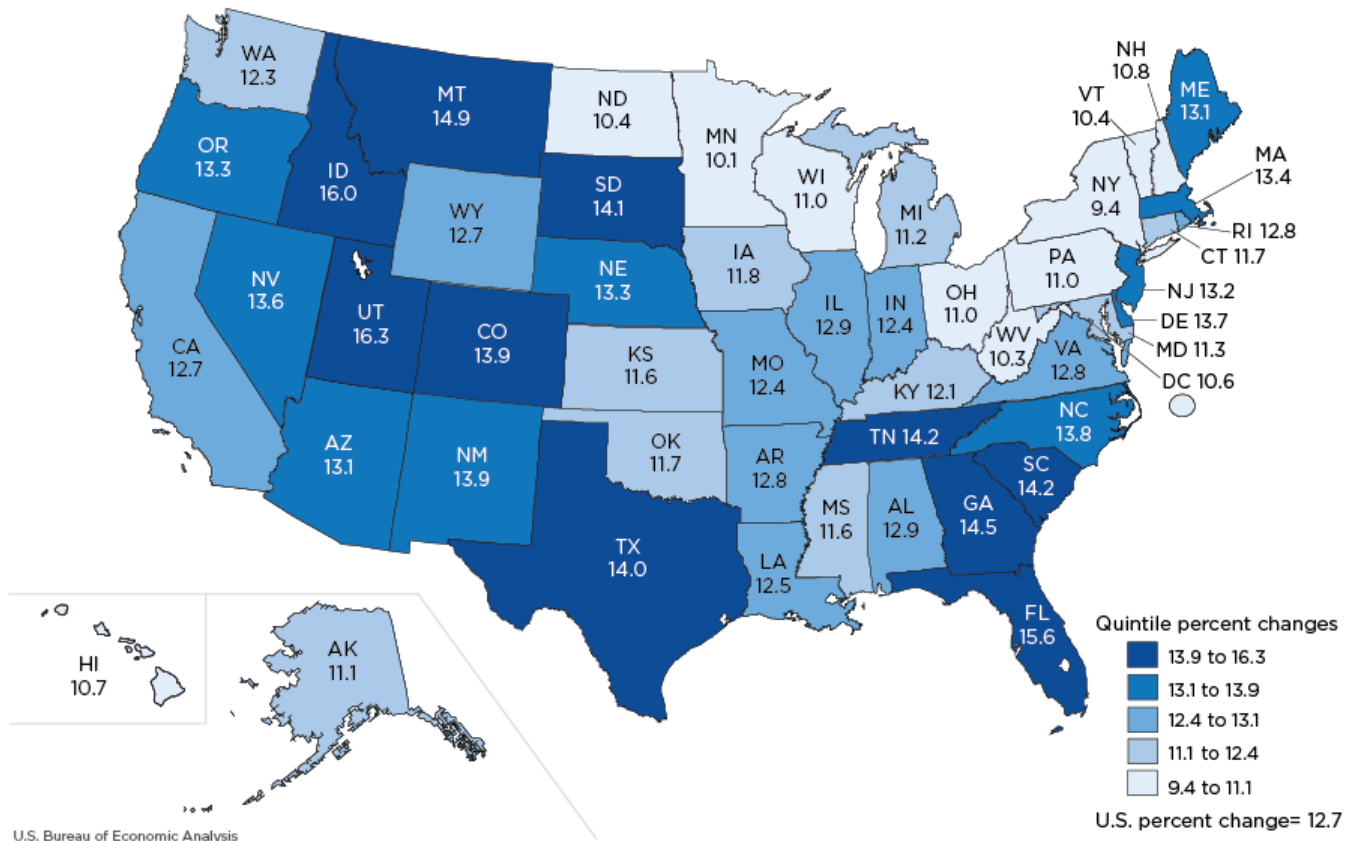
Personal current transfer receipts was the category most affected by policy responses to the pandemic, which included various increases and extensions of unemployment benefits, increases in Medicare reimbursements, economic income payments, and other programs. Personal current transfer receipts continued to increase in 2021 but decelerated, pointing to waning support from these programs. Current transfer receipts increased on average 9.1 percent in 2021 compared with 34.5 percent in 2020 (table 4). Personal current transfer receipts increased in all states and the District of Columbia in 2021, ranging from 1.6 percent in Vermont to 18.1 percent in Utah (chart 7).

Lastly, property income (dividends, interest, and rent) increased 2.9 percent in 2021, up from a negligible decline in 2020 (table 4). Dividends, interest, and rent increased in all states and the District of Columbia and ranged from 0.5 percent in Alaska to 6.8 percent in Wyoming.

PCE by state

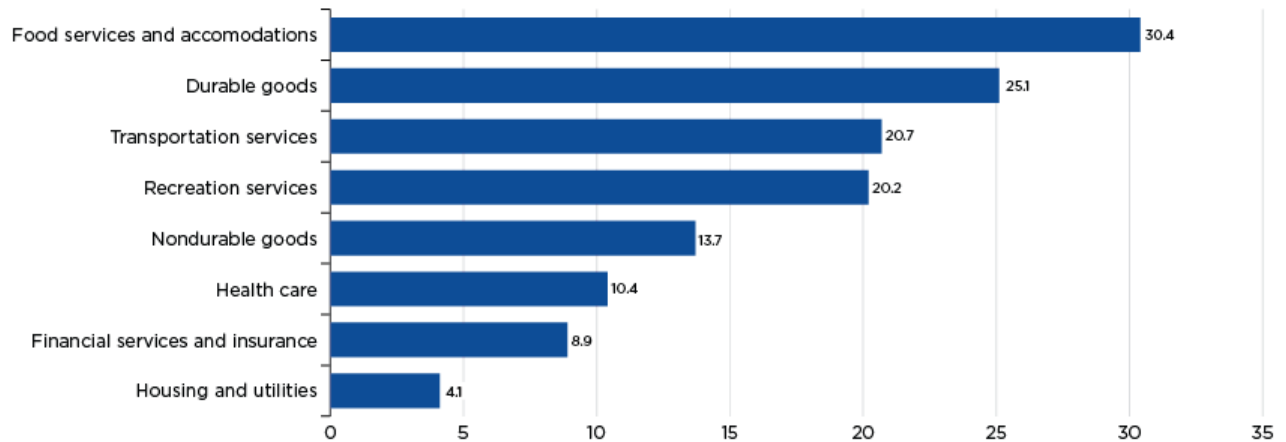
Consistent with the overall increase in personal income received in 2021, households increased their consumption spending. Nationally, current-dollar PCE increased 12.7 percent after declining 1.9 percent in 2020 (table 1). The states with the largest increases in PCE were Utah (16.3 percent), Idaho (16.0 percent), Florida (15.6 percent), and Montana (14.9 percent) (chart 10). The states with the lowest increases were New York (9.4 percent), Minnesota (10.1 percent), West Virginia (10.3 percent), Vermont (10.4 percent), North Dakota (10.4 percent), and the District of Columbia (10.6 percent).

Chart 10. Percent Change in Personal Consumption Expenditures: 2020–2021



Increases in PCE were driven by large increases in food services and accommodations, durable and nondurable goods, transportation and recreation services, and health care (chart 11). This is consistent with a story of increased socialization and partaking in recreation, entertainment, and travel activities following a year of pandemic-induced lockdowns and social distancing. The increases in health care spending reflect, in part, recovery of parts of the health care system that shut down in ambulatory care settings such as physician and dental offices.¹¹

Chart 11. Percent Change in Total Personal Consumption Expenditures, United States: 2020-2021



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Food services and accommodations were the largest contributor to PCE increases in 20 states, including Florida, the state with the third largest increase in PCE (table 6). Health care was the largest contributor to increases in 29 states and the District of Columbia, including Idaho, the state with the second largest increase. Recreational goods and vehicles were the leading contributor to the increase in Utah, the state with the largest PCE increase.

Table 6. Contributions to Percent Change in Total Personal Consumption Expenditures

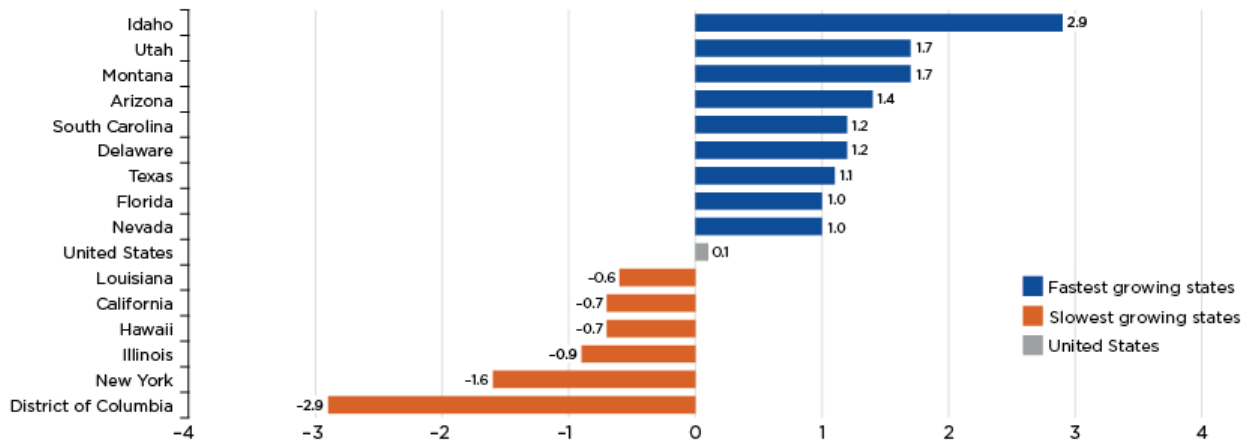
Region	Percent change in total PCE	Contributions to percent change (percentage)									
		Durable goods				Nondurable goods				Housing and utilities	Health care
		Motor vehicles and parts	Furnishings and durable household equipment	Recreational goods and vehicles	Other durable goods	Food and beverages for off-premises consumption	Clothing and footwear	Gasoline and other energy goods	Other nondurable goods		
United States	12.7	1.10	0.59	0.78	0.47	0.56	0.73	0.86	0.78	0.77	1.73
Alabama	12.9	1.48	0.50	0.57	0.40	0.75	0.73	1.26	0.96	0.87	1.99
Alaska	11.1	0.93	0.49	1.05	0.36	0.32	0.38	0.57	0.46	0.38	1.81
Arizona	13.1	1.23	0.73	0.80	0.48	0.45	0.75	0.87	0.86	0.98	1.45
Arkansas	12.8	1.41	0.60	0.48	0.46	0.87	0.90	1.46	0.75	0.51	1.89
California	12.7	0.86	0.49	0.64	0.45	0.61	0.78	0.73	0.63	0.86	1.60
Colorado	13.9	0.89	0.65	0.78	0.43	0.41	0.67	0.69	1.03	1.17	1.58
Connecticut	11.7	0.62	0.64	0.69	0.50	0.71	0.68	0.64	0.93	0.68	1.65
Delaware	13.7	0.86	0.62	0.68	0.49	0.49	0.75	1.08	0.81	1.23	2.00
District of Columbia	10.6	0.66	0.27	0.91	0.29	0.34	0.68	0.48	0.35	0.73	1.56
Florida	15.6	1.33	0.60	0.97	0.67	0.61	0.67	0.75	0.96	0.97	2.12
Georgia	14.5	1.43	0.46	0.85	0.47	0.81	0.86	1.14	0.88	0.97	1.71
Hawaii	10.7	0.76	0.41	0.60	0.23	0.63	0.61	0.40	0.37	1.30	1.21
Idaho	16.0	1.39	0.66	1.86	0.47	0.69	0.60	1.42	1.15	1.38	2.03
Illinois	12.9	0.95	0.74	0.99	0.53	0.58	0.82	0.73	0.97	0.42	1.19
Indiana	12.4	1.24	0.55	0.79	0.40	0.59	0.67	1.13	0.81	0.61	2.47
Iowa	11.8	1.57	0.49	0.69	0.34	0.56	0.58	1.48	0.50	0.56	1.99
Kansas	11.6	1.15	0.67	0.60	0.35	0.65	0.58	0.99	0.77	0.56	1.91
Kentucky	12.1	1.32	0.47	0.62	0.40	0.58	0.71	1.14	0.50	0.68	2.27
Louisiana	12.5	1.53	0.76	0.62	0.40	0.77	0.73	1.12	0.55	0.66	2.16
Maine	13.1	0.94	0.59	0.88	0.38	0.71	0.65	1.06	1.03	0.81	1.90
Maryland	11.3	0.74	0.66	0.88	0.52	0.52	0.82	0.70	1.17	0.59	1.58
Massachusetts	13.4	0.58	0.61	0.64	0.45	0.46	0.74	0.56	0.77	0.94	2.28
Michigan	11.2	0.91	0.55	0.85	0.54	0.47	0.70	0.91	0.71	0.61	1.55
Minnesota	10.1	0.75	0.54	0.91	0.37	0.34	0.65	0.92	0.43	0.73	1.44
Mississippi	11.6	1.41	0.62	0.58	0.45	0.38	0.79	1.39	0.64	0.39	1.86
Missouri	12.4	1.28	0.51	0.64	0.45	0.55	0.70	1.38	0.90	0.61	1.83
Montana	14.9	1.52	0.70	1.15	0.48	0.73	0.73	1.12	0.92	0.66	1.87
Nebraska	13.3	1.42	0.53	0.83	0.45	0.57	0.59	1.38	0.88	0.82	2.01
Nevada	13.6	1.34	0.39	0.69	0.50	0.66	0.87	0.89	0.94	1.40	1.08
New Hampshire	10.8	1.35	0.55	0.48	0.43	0.37	0.78	0.76	0.59	0.57	1.54
New Jersey	13.2	0.76	0.61	0.88	0.55	0.54	0.96	0.81	1.22	0.78	1.38
New Mexico	13.9	1.49	0.53	0.71	0.68	0.72	0.73	1.14	0.67	0.70	2.37
New York	9.4	0.7	0.45	0.43	0.38	0.41	0.64	0.43	0.42	0.67	1.08
North Carolina	13.8	1.50	0.85	0.86	0.50	0.53	0.82	0.92	0.81	0.66	2.09
North Dakota	10.4	0.97	0.60	0.59	0.41	0.53	0.76	0.63	0.38	0.00	2.14
Ohio	11.0	1.18	0.57	0.59	0.44	0.50	0.73	0.95	0.70	0.47	1.94
Oklahoma	11.7	1.59	0.53	0.73	0.48	0.47	0.77	1.05	0.56	0.51	1.96
Oregon	13.3	1.26	0.58	1.01	0.44	0.60	0.86	0.76	0.51	0.94	1.77
Pennsylvania	11.0	0.90	0.61	0.58	0.43	0.59	0.68	0.90	0.65	0.52	1.71
Rhode Island	12.8	0.77	0.45	0.64	0.51	0.60	0.72	0.50	0.49	0.84	2.01
South Carolina	14.2	1.52	0.68	0.72	0.45	0.62	0.58	1.29	0.79	0.99	2.29
South Dakota	14.1	0.91	0.78	0.54	0.43	0.54	0.70	0.78	0.62	0.46	4.09
Tennessee	14.2	1.55	0.61	0.76	0.48	0.53	0.80	1.03	1.26	0.92	1.75
Texas	14.0	1.55	0.82	0.97	0.52	0.60	0.77	0.98	0.96	0.83	1.91
Utah	16.3	1.45	0.62	2.66	0.51	0.56	0.77	1.03	0.99	1.31	2.02
Vermont	10.4	0.99	0.46	0.49	0.28	0.55	0.42	0.73	0.51	1.00	1.19
Virginia	12.8	0.92	0.51	0.66	0.50	0.64	0.74	0.83	0.74	0.69	1.79
Washington	12.3	0.94	0.50	1.14	0.32	0.36	0.46	0.61	0.62	1.10	1.44
West Virginia	10.3	1.06	0.47	0.30	0.38	0.62	0.71	1.17	0.49	0.45	2.07
Wisconsin	11.0	1.06	0.47	0.63	0.36	0.39	0.59	1.13	0.66	0.50	1.58
Wyoming	12.7	1.18	0.52	0.47	0.40	0.43	0.88	1.11	0.69	0.20	1.22

NPISHs Nonprofit institutions serving households

Note. Category contributions were calculated from unrounded data and may not sum due to rounding.

In addition to personal income, regional trends in population growth help explain some of the regional differences in PCE growth. Typically, states with the largest increases in PCE tend to have faster-growing populations, while states with slower increases or declines in PCE tend to have slow-growing or declining populations. In 2021, population grew 0.1 percent nationally (chart 12). States with the highest population growth were Idaho (2.9 percent), Utah (1.7 percent), and Montana (1.7 percent), which were also among states with the largest PCE increases. Population declined in 18 states, with District of Columbia (-2.9 percent) and New York (-1.6 percent) experiencing the largest population declines. These were also among states with the lowest PCE increases.

Chart 12. Percent Change in Population, Fastest and Slowest Growing States: 2020–2021



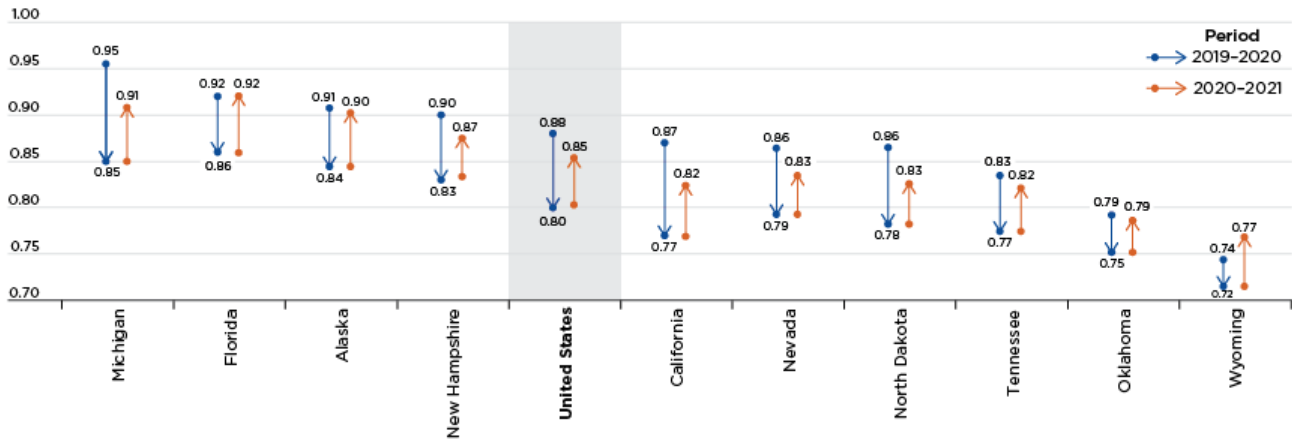
Census Bureau midyear population estimate.
U.S. Bureau of Economic Analysis

BEA will release price-adjusted statistics on personal income and consumer spending in December of 2022. Until these statistics become available, consumer spending as a share of personal income is a useful way to assess how households responded to pandemic-induced changes in personal income as personal income—specifically, the after-tax (disposable) personal income—is a key determinant of consumption. This share also provides a rough indication of personal saving as personal consumption expenditures are typically the largest personal outlays.¹²

In 2021, households spent on average 85 percent of their disposable personal income on consumption (chart 13). This compares with 88 percent in 2019 and 80 percent in 2020. Despite the increase in income in 2020 due to supplementation by various government programs, the decline in this share is consistent with consumers experiencing economic uncertainty. As the economy started to recover in 2021, this ratio increased, but has yet to reach pre-pandemic levels. Because consumer spending accounts for a large part of the economy (about 70 percent at the national level), it is an important driver of economic growth.

This same pattern is also observable at the state level, although the consumption-to-income ratio itself and the adjustment to consumption in response to changes in income vary across states. Chart 13 shows this ratio for the states with the fastest and slowest rates of real GDP growth in 2021. For these states, the consumption-to-income ratio in 2019 ranged from 74 percent in Wyoming to 95 percent in Michigan. In 2020, this ratio declined and ranged from 72 percent in Wyoming to 86 percent in Florida. In 2021, the consumption-to-income ratio increased compared with 2020, ranging from 77 percent in Wyoming to 92 percent in Florida, but for most of these states remained below the 2019 ratio.

Chart 13. Consumer Spending Share of Disposable Personal Income, Selected States: 2019–2021



U.S. Bureau of Economic Analysis

Updates to Previously Released Estimates

Each fall, with the annual release of GDP by state, state personal income, and PCE by state, BEA also updates previously released statistics. Previously released statistics are generally updated to incorporate the results of the annual updates of the National Income and Product Accounts (NIPAs) and GDP by industry statistics; to incorporate state source data that are more complete and more detailed than those previously available; as well as to incorporate any methodology improvements.

This year, there were no major methodology improvements incorporated in these state statistics as BEA is preparing for a comprehensive update of its economic accounts in the next year, including the comprehensive update of the regional economic accounts. The GDP by state, state personal income, and PCE by state statistics, however, were updated from 2017–2020 to incorporate the 2022 annual update of the NIPAs and GDP by industry statistics and updated state source data. A few of the major data sources that were updated for each of the statistics are summarized in table 7.¹³

Table 7. Summary of Updated Major State-level Data Sources

Component	Industry	Updated State Data Source
GDP by state		
Compensation of employees	All industries	Bureau of Labor Statistics, Quarterly Census of Employment and Wages
Taxes on production and imports less subsidies	All industries	U.S. Census Bureau, Census of Government Finances (state and local taxes) U.S. Department of Transportation, Bureau of Transportation Statistics (federal highway excise taxes)
Gross operating surplus	All industries	National Science Foundation, Business Research and Development Survey (R&D expenditures)
	All industries	National Science Foundation, Higher Education Research and Development Survey (R&D expenditures)
	Farms	U.S. Department of Agriculture, Economic Research Service (farm income and expenses)
	Mining	Energy Information Administration (oil, gas production and prices, and coal reports)
	Utilities	Energy Information Administration (gas and electricity consumption)
	Manufacturing	U.S. Census Bureau, Annual Survey of Manufacturers
	Transportation and warehousing	U.S. Department of Transportation, Bureau of Transportation Statistics (financial reports)
	Monetary Authorities-central bank, credit intermediation, and related services	Federal Deposit Insurance Corporation (branch office deposits)
	Government	U.S. Census Bureau, Census of Government Finances (government enterprises)
State personal income		
Compensation of employees	Nonfarm industries	Bureau of Labor Statistics, Quarterly Census of Employment and Wages
	Farm	U.S. Department of Agriculture, Economic Research Service (farm labor expenses)
	Military	Department of Defense (personnel and payroll data); Department of Homeland Security (Coast Guard payroll)
Proprietors' income	Nonfarm industries	Internal Revenue Service (net profits of proprietorships and partnerships)
	Farm	U.S. Department of Agriculture, Economic Research Service (farm income and expenses) U.S. Department of Agriculture, Agricultural Resource Management Survey (corporate farm income)
Dividends, interest, and rent		Internal Revenue Service (income tax data) Federal Deposit Insurance Corporation (deposits) National Credit Union Administration (deposits)
Personal current transfer receipts		Social Security Administration (Social Security benefits) Centers for Medicare and Medicaid Services (medical benefits) U.S. Department of Labor (unemployment insurance compensation) U.S. Census Bureau, Annual Survey of State Government Finances (state and local government social benefits)
Contributions for government social insurance	All industries	Bureau of Labor Statistics, Occupational Employment Statistics (employee wage distributions) Private employer contributions for Old Age, Survivors, Disability, and Health Insurance (OASDHI) programs Social Security Administration (earnings and employment data) Centers for Medicare and Medicaid Services (supplemental medical insurance enrollment data)
Residence adjustment		Internal Revenue Service (wage data)
PCE by state		
Durable goods		Bureau of Labor Statistics, Quarterly Census of Employment and Wages
Nondurable goods		Bureau of Labor Statistics, Quarterly Census of Employment and Wages U.S. Department of Agriculture, Economic Research Service (food consumption on farms)
Services		Bureau of Labor Statistics, Quarterly Census of Employment and Wages
Housing and utilities		U.S. Census Bureau, American Community Survey (housing and utility expenditures)
Financial services and insurance		Federal Deposit Insurance Corporation (banking services) National Credit Union Administration (credit union services) National Association of Insurance Commissioners (insurance services)
Transportation services		U.S. Department of Transportation, Bureau of Transportation Statistics (passenger enplanement and passenger revenues)

GDP Gross domestic product
PCE Personal consumption expenditures
R&D Research and development

In general, revisions to later years tend to be larger as new and revised data are incorporated across the national and regional statistics. The NIPA estimate of U.S. real GDP was revised downward for 2017 (-0.01 percent) and upward for 2018 (0.01 percent), 2019 (0.02 percent), and 2020 (0.68 percent) (table 8). For 2017–2019, the revisions to real GDP by state were less than 1 percent for all states. For 2020, the revisions to real GDP by state ranged from an upward revision of 2.25 percent in Tennessee to a downward revision of 1.74 percent in Louisiana.

Table 8. Percent Revisions to Real Gross Domestic Product (GDP) by State, State Personal Income, and Personal Consumption Expenditures (PCE) by State: 2017–2020

Region	Real GDP				Personal Income				PCE			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
United States	-0.01	0.01	0.02	0.68	-0.06	-0.13	0.88	1.04	-0.04	-0.06	-0.25	0.49
Alabama	-0.30	-0.21	0.02	1.51	-0.07	-0.16	0.30	1.44	-0.04	-0.04	-0.19	0.35
Alaska	0.28	0.15	0.18	1.08	-0.15	-0.28	-0.52	-1.00	-0.02	-0.01	-0.10	0.55
Arizona	0.38	0.39	0.46	2.07	0.45	0.37	1.87	1.94	-0.02	-0.03	-0.13	0.60
Arkansas	-0.03	-0.05	0.29	2.02	-0.39	-0.64	-1.58	-0.78	-0.04	-0.04	-0.26	0.28
California	-0.14	0.02	-0.37	0.13	-0.02	0.00	0.91	0.98	-0.04	-0.10	-0.22	0.69
Colorado	-0.01	0.06	0.47	2.12	-0.08	-0.03	1.70	2.07	-0.02	-0.03	-0.22	0.51
Connecticut	-0.13	-0.37	0.03	-0.28	-0.22	-0.34	0.81	1.03	-0.06	-0.06	-0.26	0.37
Delaware	-0.73	-0.50	-0.19	0.36	-0.19	-0.23	1.27	0.92	-0.19	-0.37	-0.28	0.62
District of Columbia	-0.12	-0.13	-0.31	0.12	0.02	0.24	1.68	0.36	-0.02	-0.01	-0.40	2.76
Florida	-0.03	-0.19	-0.61	0.65	0.07	0.15	2.22	2.13	-0.02	-0.01	-0.28	0.74
Georgia	-0.20	-0.13	-0.16	0.17	-0.01	0.07	0.79	0.55	-0.04	-0.03	-0.21	0.38
Hawaii	0.01	-0.01	0.05	-0.73	0.12	-0.02	1.51	0.71	0.08	0.14	-0.03	0.95
Idaho	-0.06	-0.31	0.34	2.02	-0.25	-0.32	1.46	2.66	-0.01	-0.01	-0.07	0.49
Illinois	-0.34	-0.31	-0.21	-0.44	-0.06	0.04	0.28	0.29	-0.06	-0.08	-0.21	0.48
Indiana	-0.26	-0.24	-0.13	-0.78	-0.23	-0.33	-0.02	1.02	-0.04	-0.04	-0.15	0.50
Iowa	0.41	0.36	0.47	0.91	-0.09	-0.10	0.44	0.48	-0.03	-0.04	-0.14	0.35
Kansas	0.07	-0.11	-0.22	1.01	-0.22	-0.29	0.11	0.53	-0.04	-0.04	-0.21	0.26
Kentucky	0.03	-0.08	0.84	1.54	-0.05	-0.01	0.56	0.99	-0.04	-0.03	-0.24	0.24
Louisiana	-0.18	0.44	0.46	-1.74	-0.04	-0.01	0.13	0.00	-0.03	-0.01	-0.29	0.22
Maine	-0.34	-0.14	0.20	1.91	-0.09	-0.16	1.48	2.20	-0.03	-0.04	-0.18	0.40
Maryland	-0.13	-0.18	-0.42	-0.19	-0.05	-0.09	0.70	0.23	-0.05	-0.07	-0.27	0.38
Massachusetts	-0.33	-0.28	-0.69	0.29	0.08	0.25	1.40	1.78	-0.04	-0.11	-0.36	0.58
Michigan	-0.03	-0.27	-0.04	0.62	0.15	0.30	0.66	1.26	-0.05	-0.04	-0.29	0.15
Minnesota	-0.37	-0.48	0.13	0.57	-0.10	-0.05	1.03	1.26	-0.04	-0.07	-0.31	0.35
Mississippi	-0.39	-0.26	-0.53	0.86	-0.01	-0.07	0.67	1.06	-0.04	-0.03	-0.05	0.34
Missouri	-0.33	-0.51	-0.08	0.04	-0.30	-0.31	0.16	0.84	-0.05	-0.05	-0.23	0.38
Montana	0.14	-0.06	0.21	1.28	-0.14	-0.41	0.88	1.92	-0.02	-0.02	-0.11	0.66
Nebraska	-0.29	-0.10	0.27	0.41	-0.12	-0.21	1.43	0.97	-0.04	-0.04	-0.15	0.43
Nevada	-0.15	-0.17	0.08	0.88	-0.12	-0.12	1.58	2.34	0.02	-0.03	-0.16	0.79
New Hampshire	-0.18	-0.13	-0.40	0.51	-0.10	-0.16	2.33	3.02	-0.03	-0.05	-0.20	0.58
New Jersey	0.10	0.00	-0.39	-0.09	0.11	0.24	2.36	1.69	-0.05	-0.06	-0.26	0.36
New Mexico	-0.08	-0.07	0.03	-0.22	0.05	0.18	1.45	1.45	-0.02	0.00	-0.26	0.15
New York	-0.03	0.03	0.41	0.87	-0.21	-0.38	0.06	0.18	-0.09	-0.12	-0.46	0.45
North Carolina	-0.30	-0.49	-0.35	1.43	0.14	0.17	0.99	1.77	-0.04	-0.06	-0.23	0.41
North Dakota	0.19	0.05	0.25	-1.70	0.13	-0.21	-0.17	0.68	-0.01	0.00	-0.14	0.56
Ohio	0.49	-0.17	0.34	0.72	-0.14	-0.23	0.45	0.65	-0.05	-0.06	-0.28	0.33
Oklahoma	-0.12	0.05	0.22	0.83	-0.05	-0.13	0.25	0.81	-0.02	-0.01	-0.09	0.39
Oregon	-0.11	-0.14	0.06	1.36	-0.02	0.06	0.48	1.23	-0.04	-0.05	-0.25	0.42
Pennsylvania	0.09	0.01	-0.16	-0.41	-0.15	-0.28	0.37	-0.06	-0.05	-0.06	-0.33	0.34
Rhode Island	0.16	0.11	0.35	0.20	0.02	0.21	2.00	2.19	-0.05	-0.07	-0.34	0.33
South Carolina	0.01	-0.32	0.36	-0.12	-0.14	-0.39	1.10	0.55	-0.02	-0.02	-0.15	0.42
South Dakota	-0.22	-0.33	0.02	1.54	-0.49	-0.81	0.51	1.32	-0.22	-0.29	-0.28	0.37
Tennessee	0.17	0.28	0.63	2.25	-0.20	-0.29	1.15	3.05	-0.04	-0.05	-0.25	0.43
Texas	-0.29	-0.06	-0.31	0.76	0.01	-0.03	1.07	0.36	-0.02	-0.06	-0.19	0.37
Utah	0.25	0.79	0.53	2.09	-0.37	-0.73	-0.18	1.02	-0.09	-0.15	-0.21	0.85
Vermont	-0.03	-0.05	0.13	1.45	0.12	0.42	2.94	3.26	-0.02	-0.02	-0.12	0.48
Virginia	0.14	0.02	0.40	1.07	-0.18	-0.21	1.05	0.86	-0.05	-0.06	-0.21	0.66
Washington	-0.17	-0.12	-0.53	1.12	0.04	0.07	2.18	2.16	-0.03	-0.07	-0.31	0.67
West Virginia	-0.05	0.08	0.12	1.05	-0.07	-0.05	1.35	0.83	-0.03	-0.01	-0.17	0.20
Wisconsin	-0.13	-0.12	-0.07	0.48	0.04	0.18	0.91	1.66	-0.05	-0.06	-0.26	0.44
Wyoming	0.25	0.24	-0.47	0.03	0.10	0.20	4.13	5.43	-0.01	0.01	-0.13	0.41

In addition to Tennessee, Colorado (2.12 percent), Utah (2.09 percent), Arizona (2.07 percent), Arkansas (2.02 percent), and Idaho (2.02 percent) had the largest upward revisions in real GDP for 2020. Sizable upward revisions to gross operating surplus and taxes on production and imports less subsidies were the leading contributors to the upward revision in GDP for these states (table 9). After Louisiana, North Dakota (-1.70 percent), Indiana (-0.78 percent) and Hawaii (-0.73 percent) had the largest downward revisions to real GDP for 2020. For these states, sizable downward revisions to gross operating surplus were the leading contributors to the downward revision in GDP.

Table 9. Contributions to Revision in Current-dollar Gross Domestic Product (GDP) by State, by Component: 2020

Region	Percent revision in current-dollar GDP by state	Contributions to revision (percentage points)		
		Compensation of employees	Taxes on production and imports less subsidies	Gross operating surplus
United States	0.80	0.10	0.46	0.24
Alabama	1.76	0.07	0.74	0.95
Alaska	1.32	-0.92	-0.32	2.55
Arizona	2.24	0.04	0.20	1.99
Arkansas	2.46	0.40	0.65	1.41
California	0.43	0.24	0.52	-0.33
Colorado	2.27	0.02	0.73	1.52
Connecticut	-0.07	-0.17	0.18	-0.08
Delaware	0.04	0.22	0.72	-0.89
District of Columbia	0.11	-0.04	-0.24	0.39
Florida	0.97	0.15	0.73	0.09
Georgia	0.45	-0.14	0.50	0.09
Hawaii	-0.42	0.54	0.03	-0.99
Idaho	2.51	0.19	1.08	1.25
Illinois	-0.17	0.06	0.19	-0.42
Indiana	-0.41	-0.07	0.59	-0.93
Iowa	1.40	-0.16	0.83	0.73
Kansas	1.39	0.00	0.27	1.12
Kentucky	2.04	0.06	0.77	1.20
Louisiana	-1.24	-0.15	0.46	-1.55
Maine	2.12	0.10	1.54	0.48
Maryland	0.06	-0.21	0.16	0.12
Massachusetts	0.46	0.13	0.19	0.14
Michigan	0.97	-0.04	0.27	0.73
Minnesota	0.82	0.19	0.53	0.10
Mississippi	1.12	-0.11	0.51	0.72
Missouri	0.27	-0.03	0.45	-0.14
Montana	1.64	0.16	0.68	0.81
Nebraska	0.86	-0.03	0.48	0.40
Nevada	0.95	0.38	0.12	0.44
New Hampshire	0.82	0.02	-0.23	1.03
New Jersey	0.24	0.20	0.24	-0.20
New Mexico	0.32	0.03	0.64	-0.35
New York	0.93	0.25	0.04	0.64
North Carolina	1.54	0.21	0.62	0.71
North Dakota	-0.79	0.03	-0.06	-0.76
Ohio	1.01	0.10	0.58	0.33
Oklahoma	1.07	-0.31	0.68	0.71
Oregon	1.72	0.55	0.78	0.39
Pennsylvania	-0.04	-0.10	0.33	-0.27
Rhode Island	0.36	-0.32	0.19	0.48
South Carolina	0.20	0.12	0.53	-0.45
South Dakota	1.63	0.04	0.44	1.15
Tennessee	2.55	0.09	1.33	1.13
Texas	0.81	0.05	0.58	0.17
Utah	2.31	0.22	0.95	1.15
Vermont	1.74	0.31	0.54	0.89
Virginia	1.36	-0.01	0.51	0.86
Washington	1.44	0.23	0.61	0.60
West Virginia	0.91	0.43	0.19	0.30
Wisconsin	0.85	0.00	0.48	0.37
Wyoming	0.02	-0.21	0.33	-0.10

The NIPA estimate of U.S. personal income was revised downward for 2017 (-0.06 percent) and 2018 (-0.13 percent) and upward for 2019 (0.88 percent) and 2020 (1.04 percent) (table 8). For 2017–2018, state personal income was revised less than 1 percent for all states. Revisions for 2019 and 2020 were larger and reflect, in part, the introduction of new 2019 and 2020 data from the Internal Revenue Service, Statistics of Income. These data affect primarily proprietor's income and property income (dividends, interest, and rent) components of personal income.

For 2019, revisions to state personal income ranged from an upward revision of 4.13 percent in Wyoming to a downward revision of 1.58 percent in Arkansas. For 2020, the revision to state personal income ranged from an upward revision of 5.43 percent in Wyoming to a downward revision of 1.0 percent in Alaska. For most states, dividends, interest, and rent was the component that contributed the most to the revision in state personal income for 2020 (table 10). The upward revision in Wyoming was driven by upward revisions to dividends, interest, and rent and proprietors' income. The downward revision in Alaska was driven by the downward revision in compensation of employees, specifically supplements to wages and salaries, as a result of newly updated source data for health insurance.

Table 10. Contributions to Revision in State Personal Income, by Component: 2020

Region	Percent revision in personal income ¹	Contributions to revision (percentage points)					
		Compensation of employees	Proprietors' income	Dividends, interest, and rent	Personal current transfer receipts	Contributions for government social insurance	Adjustment for residence
United States	1.04	0.12	-0.06	0.98	-0.05	-0.05	0.00
Alabama	1.44	0.09	0.60	0.69	0.00	-0.02	0.03
Alaska	-1.00	-0.86	0.23	-0.23	-0.09	0.05	0.00
Arizona	1.94	0.06	0.09	1.24	0.49	-0.04	0.03
Arkansas	-0.78	0.38	0.59	-1.72	-0.03	-0.02	-0.01
California	0.98	0.28	-0.13	0.82	-0.04	-0.06	0.00
Colorado	2.07	0.05	0.08	1.90	-0.04	-0.08	0.00
Connecticut	1.03	-0.16	0.28	0.54	-0.10	-0.02	0.45
Delaware	0.92	0.32	-0.19	1.31	-0.17	-0.01	-0.37
District of Columbia	0.36	-0.02	-0.61	1.60	-0.23	0.11	-0.27
Florida	2.13	0.15	-0.36	2.28	-0.01	-0.08	0.00
Georgia	0.55	-0.12	-0.60	1.19	0.03	-0.04	0.01
Hawaii	0.71	0.57	-0.98	1.10	-0.04	-0.06	0.00
Idaho	2.66	0.19	0.70	1.63	-0.06	-0.05	0.15
Illinois	0.29	0.08	-0.28	0.47	-0.07	-0.09	0.02
Indiana	1.02	-0.07	0.78	0.37	-0.07	-0.05	-0.04
Iowa	0.48	-0.18	-0.01	0.67	-0.03	-0.05	-0.01
Kansas	0.53	0.04	0.28	0.31	-0.20	-0.08	0.03
Kentucky	0.99	0.10	0.26	0.73	-0.03	-0.03	-0.10
Louisiana	0.00	-0.13	-0.36	0.46	-0.07	-0.10	0.00
Maine	2.20	0.10	0.51	1.67	-0.11	-0.03	0.00
Maryland	0.23	-0.18	-0.69	0.85	-0.09	-0.03	0.32
Massachusetts	1.78	0.14	0.49	1.34	-0.08	-0.07	-0.20
Michigan	1.26	-0.03	0.59	0.69	-0.07	-0.05	0.03
Minnesota	1.26	0.21	-0.26	1.32	-0.02	-0.06	-0.04
Mississippi	1.06	-0.07	0.22	0.83	-0.06	-0.01	0.12
Missouri	0.84	-0.05	0.39	0.55	-0.05	-0.06	-0.05
Montana	1.92	0.16	0.50	1.44	-0.13	0.05	0.00
Nebraska	0.97	-0.01	-0.79	1.74	-0.03	-0.06	0.01
Nevada	2.34	0.41	-0.02	1.95	-0.05	-0.12	-0.05
New Hampshire	3.02	0.02	1.20	1.56	-0.13	-0.03	0.33
New Jersey	1.69	0.20	-0.48	1.55	-0.04	-0.05	0.41
New Mexico	1.45	0.06	-0.18	1.49	0.02	-0.07	-0.01
New York	0.18	0.30	0.15	0.26	-0.23	-0.01	-0.31
North Carolina	1.77	0.28	0.55	0.96	-0.02	0.00	0.00
North Dakota	0.68	0.08	0.05	0.57	-0.18	-0.09	0.08
Ohio	0.65	0.11	-0.13	0.58	0.01	-0.06	0.01
Oklahoma	0.81	-0.27	0.35	0.67	-0.04	-0.06	0.02
Oregon	1.23	0.57	0.17	0.55	0.01	-0.02	-0.09
Pennsylvania	-0.06	-0.10	-0.16	0.32	-0.29	-0.05	0.12
Rhode Island	2.19	-0.27	0.09	1.49	-0.23	-0.08	1.04
South Carolina	0.55	0.15	-0.44	0.83	-0.04	-0.04	0.01
South Dakota	1.32	0.07	0.00	1.12	0.10	-0.06	-0.02
Tennessee	3.05	0.10	1.80	1.14	0.05	-0.01	-0.04
Texas	0.36	0.08	-0.89	1.12	0.01	-0.06	0.00
Utah	1.02	0.27	0.63	0.16	-0.10	-0.06	0.00
Vermont	3.26	0.27	0.33	2.63	-0.12	-0.03	0.13
Virginia	0.86	0.10	-0.29	1.22	-0.01	-0.07	-0.23
Washington	2.16	0.30	-0.13	2.12	-0.06	0.07	0.01
West Virginia	0.83	0.42	-0.67	1.05	-0.17	-0.12	0.09
Wisconsin	1.66	0.01	0.50	1.10	-0.03	-0.05	0.03
Wyoming	5.43	-0.19	0.89	4.71	0.01	0.03	0.03

1. Personal income is the sum of compensation of employees, proprietors' income, dividends, interest, and rent, and personal current transfer receipts less contributions for government social insurance plus the adjustment for residence.

The NIPA estimate of current-dollar national PCE was revised downward for 2017 (-0.04 percent), 2018 (-0.06 percent), and 2019 (-0.25 percent), and upward for 2020 (0.49 percent) (table 8). For 2017–2019, the revisions to PCE by state were less than 1 percent for all states. For 2020, PCE was revised upward for all states and the revisions to PCE by state ranged from 2.76 percent in the District of Columbia to 0.15 percent in Michigan and New Mexico. In addition to the District of Columbia, Hawaii (0.95 percent), Utah (0.85 percent), and Nevada (0.79 percent) had the largest upward revisions to PCE.

The upward revision to other services category was the leading contributor to the upward revision to PCE in the District of Columbia (table 11). For Hawaii, upward revisions to durable goods, food services and accommodations, and other services categories were the leading contributors to the upward revision in PCE. Upward revisions to durable goods, recreation services, and food services and accommodations were the leading contributors to the upward revision to PCE in Nevada, while upward revisions to durable goods and other services categories were the leading contributors to the upward revision to PCE in Utah.

Table 11. Contributions to Revision in Personal Consumption Expenditures (PCE) by State, by Component: 2

Region	Percent revision in PCE by state	Contributions to revision (percentage points)									
		Goods			Services						
		Durable goods	Nondurable goods	Housing and utilities	Health care	Transportation services	Recreation services	Food services and accommodations	Financial services and insurance	Other services	consp
United States	0.49	0.22	-0.10	-0.01	0.22	0.03	0.16	0.09	-0.18	0.19	
Alabama	0.35	0.15	-0.08	-0.01	0.23	0.02	0.11	0.09	-0.16	0.14	
Alaska	0.55	0.24	-0.12	-0.01	0.26	0.05	0.10	0.09	-0.10	0.12	
Arizona	0.60	0.18	-0.08	-0.02	0.21	0.03	0.19	0.11	-0.08	0.18	
Arkansas	0.28	0.17	-0.09	-0.01	0.25	0.02	0.09	0.08	-0.20	0.11	
California	0.69	0.30	-0.10	-0.01	0.18	0.04	0.20	0.10	-0.06	0.18	
Colorado	0.51	0.24	-0.09	-0.01	0.18	0.02	0.14	0.09	-0.16	0.23	
Connecticut	0.37	0.21	-0.11	0.00	0.22	0.03	0.12	0.07	-0.18	0.17	
Delaware	0.62	0.28	-0.11	-0.01	0.32	0.01	0.08	0.08	-0.13	0.21	
District of Columbia	2.76	0.22	0.02	-0.01	0.20	-0.06	0.17	0.14	-0.33	2.53	
Florida	0.74	0.25	-0.11	-0.01	0.20	0.04	0.33	0.10	-0.19	0.23	
Georgia	0.38	0.20	-0.11	-0.01	0.22	0.02	0.11	0.09	-0.19	0.18	
Hawaii	0.95	0.34	-0.15	-0.01	0.18	0.08	0.12	0.23	0.06	0.23	
Idaho	0.49	0.20	-0.13	-0.01	0.26	0.02	0.14	0.09	-0.11	0.18	
Illinois	0.48	0.20	-0.09	-0.01	0.22	0.03	0.11	0.07	-0.16	0.23	
Indiana	0.50	0.18	-0.10	-0.01	0.28	0.03	0.13	0.08	-0.15	0.17	
Iowa	0.35	0.12	-0.10	-0.01	0.25	0.02	0.12	0.07	-0.20	0.18	
Kansas	0.26	0.14	-0.13	-0.01	0.25	0.02	0.07	0.07	-0.21	0.18	
Kentucky	0.24	0.15	-0.10	-0.01	0.25	0.02	0.10	0.08	-0.26	0.11	
Louisiana	0.22	0.15	-0.12	-0.01	0.25	0.03	0.13	0.09	-0.32	0.12	
Maine	0.40	0.18	-0.18	0.00	0.22	0.02	0.20	0.09	-0.17	0.13	
Maryland	0.38	0.18	-0.14	-0.01	0.22	0.03	0.15	0.08	-0.20	0.22	
Massachusetts	0.58	0.31	-0.11	-0.01	0.22	0.04	0.14	0.07	-0.19	0.21	
Michigan	0.15	0.18	-0.12	-0.01	0.23	0.02	0.11	0.06	-0.33	0.12	
Minnesota	0.35	0.17	-0.09	-0.01	0.22	0.02	0.16	0.06	-0.25	0.21	
Mississippi	0.34	0.13	-0.13	-0.01	0.28	0.05	0.06	0.09	-0.09	0.09	
Missouri	0.38	0.13	-0.08	-0.01	0.25	0.03	0.17	0.08	-0.22	0.15	
Montana	0.66	0.23	-0.12	-0.01	0.27	0.02	0.16	0.10	-0.14	0.26	
Nebraska	0.43	0.19	-0.10	-0.01	0.26	0.01	0.12	0.07	-0.12	0.13	
Nevada	0.79	0.29	-0.12	-0.01	0.19	0.01	0.22	0.21	-0.05	0.18	
New Hampshire	0.58	0.31	-0.17	0.00	0.24	0.03	0.13	0.07	-0.12	0.21	
New Jersey	0.36	0.19	-0.10	-0.01	0.21	0.03	0.11	0.06	-0.20	0.20	
New Mexico	0.15	0.14	-0.12	-0.01	0.26	0.02	0.09	0.10	-0.32	0.11	
New York	0.45	0.16	-0.07	0.00	0.22	0.05	0.21	0.07	-0.32	0.28	
North Carolina	0.41	0.22	-0.12	-0.01	0.24	0.01	0.15	0.09	-0.19	0.16	
North Dakota	0.56	0.21	-0.08	-0.01	0.29	0.02	0.11	0.09	-0.15	0.17	
Ohio	0.33	0.18	-0.11	-0.01	0.27	0.02	0.15	0.07	-0.27	0.14	
Oklahoma	0.39	0.12	-0.09	-0.01	0.25	0.02	0.16	0.10	-0.14	0.13	
Oregon	0.42	0.25	-0.12	-0.02	0.23	0.02	0.20	0.08	-0.25	0.17	
Pennsylvania	0.34	0.20	-0.10	-0.01	0.23	0.03	0.12	0.06	-0.28	0.20	
Rhode Island	0.33	0.18	-0.13	-0.01	0.23	0.04	0.15	0.09	-0.31	0.19	
South Carolina	0.42	0.16	-0.11	-0.01	0.22	0.02	0.17	0.10	-0.13	0.13	
South Dakota	0.37	0.11	-0.08	-0.01	0.34	0.02	0.14	0.08	-0.21	0.11	
Tennessee	0.43	0.16	-0.06	-0.01	0.22	0.05	0.14	0.10	-0.21	0.17	
Texas	0.37	0.18	-0.10	-0.01	0.20	0.03	0.14	0.09	-0.16	0.11	
Utah	0.85	0.35	-0.09	-0.01	0.20	0.01	0.19	0.09	-0.03	0.27	
Vermont	0.48	0.20	-0.17	0.00	0.25	0.03	0.15	0.08	-0.13	0.16	
Virginia	0.66	0.22	-0.10	-0.01	0.21	0.03	0.19	0.08	-0.14	0.31	
Washington	0.67	0.45	-0.10	-0.02	0.21	0.03	0.14	0.07	-0.18	0.17	
West Virginia	0.20	0.13	-0.11	-0.02	0.33	0.03	0.08	0.08	-0.24	0.00	
Wisconsin	0.44	0.23	-0.09	-0.01	0.25	0.02	0.14	0.07	-0.24	0.18	
Wyoming	0.41	0.10	-0.10	-0.01	0.26	0.02	0.10	0.13	-0.09	0.14	

NPISHs Nonprofit institutions serving households

Note. Category contributions were calculated from unrounded data and may not sum due to rounding.

Conclusion

This report covered annual estimates for 2021 from the GDP by state, state personal income, and PCE by state releases to tell a story of ongoing regional economic recovery from the COVID-19 pandemic. The data show that while nationally the economy has generally recovered, the path to economic recovery has varied widely across states. Each state's path has been shaped differently depending on many factors including its industry composition and how households in each state respond to changes in economic conditions. The upcoming release of price-adjusted state personal income and PCE by state statistics in December 2022 will provide additional information on how households fared in 2021 and whether real personal income and real consumer spending in 2021 reached pre-pandemic levels.

The report also provided an overview of the updates to previously released statistics. The GDP by state, state personal income, and PCE by state statistics were revised from 2017–2020 to incorporate the 2022 annual update of the NIPAs and GDP by industry statistics and updated available state source data. The revisions were generally small in the earlier years and a bit larger in the later years as new and revised data were incorporated across the national and regional statistics.

Concepts, Definitions, and Corresponding Measures in the NIPAs

Gross domestic product (GDP) by state, state personal income, and personal consumption expenditures (PCE) by state are the state counterparts of the corresponding measures of GDP, personal income, and PCE in the national income and product accounts (NIPAs). The national totals in the state measures, however, differ slightly from the corresponding national measures in the NIPAs primarily because of differences in coverage that stem from different concepts of residence. Differences in source data, methods, and timing of the availability of source data may also contribute to this difference.

GDP by state

GDP by state is the market value of goods and services produced by the labor and property located in each state and the District of Columbia. It is calculated as the sum of incomes earned by labor and capital and the costs incurred in the production of goods and services.

The featured GDP measure in the NIPAs is calculated as the sum of goods and services purchased by final users (i.e., personal consumption expenditures plus gross private domestic investment plus government consumption expenditures and gross investment plus net exports). In principle, income earned should equal spending, but because of different data sources, they result in a difference referred to as the “statistical discrepancy.” The GDP by state estimates, measured by the sum of incomes earned, are scaled to the GDP measure in the NIPAs to account for the statistical discrepancy.

In addition, U.S. GDP by state differs slightly from the GDP in the NIPAs and thus from GDP by industry in the annual industry accounts, because the U.S. GDP by state excludes federal military and civilian activity located overseas, which cannot be attributed to a particular state.¹⁴

State personal income

State personal income is the income received by, or on behalf of, all persons that reside in each state and the District of Columbia from all sources: participation in production, ownership of a home or business, ownership of financial assets, and transfers from businesses and government.

State personal income differs slightly from the NIPA measure of personal income. For NIPA personal income, a U.S. resident has a center of economic interest in the country and resides, or expects to reside, in the country for a year or more. For state personal income, a resident is a participant in a U.S. regional economy, regardless of the individual's national citizenship or duration of residence.¹⁵

The NIPA measure of personal income is broader. It includes: the earnings of federal civilian and military personnel stationed abroad, and the property income received by the federal retirement plans of these workers; all income earned by U.S. citizens living abroad for less than a year; the income of foreign nationals working at international organizations in the United States; and the income of foreign nationals only if they live and work in the United States for a year or more. State personal income excludes the income of U.S. citizens living abroad but includes the income of resident foreign nationals working in the United States regardless of length of stay or residency.¹⁶

Both NIPA and state personal income include the income of U.S. residents employed by international organizations or by other countries while living in the United States, and both exclude the income of foreign nationals employed by their home governments and the income of private U.S. citizens living outside the country for a year or more.

Relation of Personal Income in the NIPAs and the State Personal Income Accounts

[Billions of dollars]

Component	2019	2020	2021
Personal income, NIPAs	18,587.0	19,832.3	21,294.8
Plus adjustments for:			
Coverage differences	-19.4	-23.8	-20.1
Federal workers abroad	-34.6	-35.4	-34.7
Wage and salary disbursements	-23.4	-23.9	-23.4
Supplements to wages and salaries ¹	-7.8	-8.3	-8.7
Dividends, interest, and rent ²	-5.8	-5.6	-5.0
Less: Personal contributions for social insurance	-2.4	-2.4	-2.4
Rest-of-the-world difference	15.2	11.6	14.6
Wages of private foreign nationals in U.S.	16.7	12.9	16.0
Wages of private U.S. residents abroad	-1.5	-1.3	-1.4
Use of more current source data	9.0	4.8	15.1
Wage and salary disbursements	0.0	0.0	0.0
Farm proprietors' income	9.0	4.8	15.1
Personal current transfer receipts	<0.1	<0.1	<0.1
Statistical discrepancy ³	-1.1	-1.1	-1.1
Equals: State personal income⁴	18,575.5	19,812.2	21,288.7

1. Employer contributions for government social insurance and for employee pension and insurance funds for federal workers stationed abroad.
2. Investment income received by federal retirement plans that is attributed to federal workers stationed abroad.
3. Includes revisions made in the NIPAs that are not yet reflected in state personal income concerning wages of border workers and foreign nationals working for international organizations.
4. State personal income was released September 30, 2022.

PCE by state

PCE by state is the value of the goods and services purchased by, and on behalf of, resident households in each state and the District of Columbia. In addition to out-of-pocket spending, PCE by state includes imputations for the consumption of goods and services without market transactions as well as the net expenditures of nonprofit institutions serving households (NPISHs). The two main imputations in PCE by state are for housing services for owner-occupied housing and financial services with no explicit charge. The net expenditures of NPISHs represent the value of the services that is unaccounted for by households' out-of-pocket purchases, since the services by NPISHs are typically provided to households for less than the cost of the service.¹⁷

There are minor differences in coverage between the regional and national PCE statistics.¹⁸ PCE by state excludes the net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents. These expenditures are included in national PCE, but they cannot be attributed to a particular state. PCE by state, however, does include the travel expenditures abroad by U.S. residents.

Residency adjustments

Residency definitions are important to the regional economic accounts to align measures of income and consumption for meaningful comparisons within a given geography. PCE by state statistics use the residency concept of regional income statistics so state expenditures correspond to the same population used to measure state personal income.

Residency adjustments are made to both state personal income and PCE statistics; however, these adjustments serve different purposes. For state personal income statistics, a residence adjustment is made to reallocate income earned in places of work other than the recipients' place of residence. For the PCE by state statistics, a residency adjustment is made to reallocate expenditures made in states other than the households' state of residence.

Personal Consumption Expenditures, Disposable Personal Income, and Personal Saving

Personal saving is the amount of current-period disposable personal income that is available for investment or for future consumption. In the national income and product accounts (NIPAs), personal saving is calculated by subtracting personal outlays from disposable personal income. The table illustrates the calculation of personal outlays at the national level.

Personal outlays include personal consumption expenditures, which are typically the largest outlays, personal interest payments and personal current transfer payments. Personal interest payments (line 4) consist of nonmortgage interest payments, such as interest on credit card debt. Personal current transfer payments (line 5) consist of transfer payments to government and the net personal transfer payments to the rest of the world. Current transfer payments from persons to government (line 6) includes fines, fees, certain tax penalties, unclaimed bank deposits, donations, excise taxes on IRAs, and excise taxes paid by nonprofit institutions serving households.¹⁹ Net personal transfer payments to the rest of the world (line 7) is the sum of remittances paid to nonresident households and remittances received from nonresident households. To calculate personal outlays at the state level, an additional entry (line 8) would be needed to account for interstate personal transfers, which do not need to be accounted for at the national level.

Thus, while PCE by state statistics comprise a major piece in the calculation of personal saving for states, the latter requires development of additional state-level data on other personal outlays, which are likely to vary across geographies.

	Component	Billions of dollars, 2021	Percent of personal outlays
1	Disposable personal income	18,633.1	
2	Less: Personal outlays	16,389.8	
3	Personal consumption expenditures	15,902.6	97.0
4	Personal interest payments	274.4	1.7
5	Personal current transfer payments	212.8	1.3
6	To government	110.3	0.7
7	To the rest of the world (net)	102.4	0.6
8	To other states (net) ¹		
9	Equals: Personal saving	2,243.4	
10	Personal saving as a percentage of disposable personal income	12.0	

Source. NIPA table 2.1.

1. This entry is not part of the national income and product accounts (NIPAs) table 2.1, but it would be needed to calculate personal saving at the state level to account for interstate personal transfers.

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1. To provide a fuller picture of state economies, BEA will now release state GDP and personal income together each quarter.
2. The full economic effects of the pandemic cannot be separately quantified in these estimates, because the impacts are generally embedded in the source data.
3. For more information on the effects of pandemic response programs on state personal income, see [covid-workbook-ann.pdf \(bea.gov\)](#) and the [Regional Quarterly Report](#) in the November 2021 issue of the *Survey of Current Business*.
4. BEA released preliminary state personal income and GDP by state statistics for 2021 on March 23, 2022, and March 31, 2022, respectively. These statistics were based on quarterly data for an early read on the state economies in 2021.
5. <https://www.nber.org/news/business-cycle-dating-committee-announcement-july-19-2021>
6. Large declines in expenditures corroborate the declines in these industries; see Dunn, Hood, and Driessen (2020).
7. Dunn (2021) chronicles supply chain disruptions from the start of the pandemic and how they affected manufacturing and other industries.
8. See, for example, Brynjolfsson et al. (2020); Bacher-Hicks, Goodman, Mulhern (2020); and Bokolo (2020), for near real-time studies on COVID-induced remote work, online learning, and telemedicine and virtual care.
9. In 2021, all states exceeded their pre-pandemic current-dollar GDP levels, except for Hawaii, where current-dollar GDP was less than 1 percent below the 2019 level. Current-dollar GDP by state statistics are available at: <https://apps.bea.gov/itable/?ReqID=70&step=1>.
10. See, for example, Shapiro (2022).
11. See, for example, Rhyan, Turner, and Miller (2020), for more information on how the COVID-19 pandemic impacted the U.S. health sector.
12. Personal saving is the amount of current-period disposable personal income that is available for investment or for future consumption. It is calculated by subtracting personal outlays from disposable personal income. BEA does not calculate personal saving at the state level. While PCE by state statistics comprise a major piece in the calculation of personal saving at the state level, the latter requires development of additional regional data on other personal outlays (see the "Personal Consumption Expenditures, Disposable Personal Income, and Personal Saving" box in this article).
13. For a complete list of data sources used to generate the GDP by state and state personal income statistics, see [Gross Domestic Product by State Estimation Methodology](#) and [State Personal Income and Employment: Concepts, Data Sources, and Statistical Methods](#) on the BEA website. For PCE by state, data sources and methods are documented in a working paper (BEA WP2013-6) and a series of *Survey of Current Business* articles (see [August 2013](#), [November 2016](#), [December 2018](#), and [January 2020](#) issues).
14. See [Gross Domestic Product by State Estimation Methodology](#) on the BEA website.
15. See [State Personal Income and Employment: Concepts, Data Sources, and Statistical Methods](#) on the BEA website
16. For a description of military coverage in state personal income, see "New Treatment of State Estimates of Military Compensation," *Survey* 85 (October 2005): 116.
17. For more information, see "Chapter 5. Personal Consumption Expenditures" in [Concepts and Methods of the U.S. National Income and Product Accounts](#) on the BEA website.
18. For a more detailed discussion on residency in the national and regional economic accounts, see Christian Awuku-Budu, Ledia Guci, Christopher A. Lucas, and Charles Ian Mead, "Prototype Personal Consumption Expenditures by State," *Survey* 94 (September 2014).
19. Bureau of Economic Analysis (BEA), [Government Transactions](#) (methodology paper 5, Washington, DC: BEA September 2005).



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U.S. Multinationals' Intercompany Debt

A 40-Year Story

By Ricardo Limes

The U.S. Bureau of Economic Analysis' (BEA's) statistics on U.S. direct investment abroad provide insight on how U.S. multinational enterprises (MNEs) finance their worldwide operations.

U.S. MNEs finance their operations abroad by injecting capital (“equity”) and/or lending to their foreign affiliates (“U.S. parents' claims”). For example, a U.S. parent can inject capital to its foreign affiliate to finance an increase in production capacity or extend a loan to finance an acquisition. U.S. parents can also borrow from their foreign affiliates (“U.S. parents' liabilities”). For example, a foreign affiliate may take out a loan abroad that it on-lends to its parent, or it may make loans to its U.S. parent from its own resources.¹

In BEA's statistics on the U.S. international investment position, [table 2.1](#), line 11 presents net U.S. direct investment abroad positions in debt instruments—that is, U.S. parent claims less U.S. parent liabilities. Chart 1 presents U.S. parents' net debt position with their foreign affiliates from 1982 to the second quarter of 2022.

Chart 1. U.S. Parents' Net Debt Position with Their Foreign Affiliates, 1982–2022



Note. Positions for 1982–2005 reflect end-of-year positions. Starting with 2006, positions are available and presented quarterly.
 U.S. Bureau of Economic Analysis

U.S. parents' net debt position was negative from 1982 to 1987, which means that U.S. parents were net borrowers from their foreign affiliates—that is, they owed more to their foreign affiliates than was owed to them. In 1988, the position turned positive, which means that U.S. parents were net lenders to their foreign affiliates—that is, they owed less to their foreign affiliates than was owed to them—and reached its largest value, \$272.4 billion, in the third quarter of 2014. The net debt position then started to decline, with the largest decrease in the first quarter of 2019, when it decreased by \$86.5 billion. The decline continued until the net debt position reached -\$24.0 billion in the first quarter of 2022, the first time U.S. parents were net borrowers from their foreign affiliates since 1987. The net debt position remained negative, at -\$13.5 billion, in the preliminary estimate of the second quarter of 2022. The decrease in the net debt position has been widespread by industry of the U.S. parent. BEA's newly developed [statistics on debt by currency](#) show that since these statistics have been available (first quarter of 2020), the decrease in the net debt position has been concentrated in U.S. dollar lending.

Key Terms

- **Direct investment** is a category of cross-border investment associated with a resident in one economy having control or a significant degree of influence on the management of an enterprise resident in another economy. Ownership or control of 10 percent or more of the voting securities of an entity in another economy is the threshold for separating direct investment from other types of investment.
- A **U.S. multinational enterprise** (U.S. MNE) is composed of the U.S. parent and its foreign affiliates.
- A **U.S. parent** is a U.S. person or entity that owns 10 percent or more of a foreign business enterprise.
- A **foreign affiliate** is a foreign business enterprise that is at least 10 percent owned by a single U.S. person or entity.
- **Direct investment debt instruments**, or intercompany debt, are a component of direct investment that reflects parents' lending to and borrowing from their affiliates.

Statistical Conventions

This article presents statistics on a directional basis rather than on the asset/liability basis featured in the [U.S. International Transactions Accounts](#) and the [U.S. International Investment Position Accounts](#). On a directional basis, direct investment claims and liabilities are classified according to whether the direct investor is a U.S. resident or a foreign resident. U.S. direct investment abroad (“outward” direct investment) occurs between a U.S. parent and its foreign affiliates. The asset/liability basis classifies transactions or positions according to whether the transactions or positions relate to U.S. assets or to U.S. liabilities.

-
1. BEA does not collect information on the purpose of intercompany loans in its surveys used to produce BEA's direct investment statistics.

Measuring the

Digital Economy



10.3% of U.S. GDP

or \$2.4 trillion
in 2021



9.8% annual growth
in 2021



8.0 million
jobs
in 2021

2.0% average annual growth,
2016–2021

\$1.2 trillion
in total compensation in 2021



Read more: [“New and Revised Statistics of the U.S. Digital Economy, 2005–2021,”](#) November 2022

