

# News Release

EMBARGOED UNTIL RELEASE AT 8:30 a.m. EST, Thursday, December 22, 2022

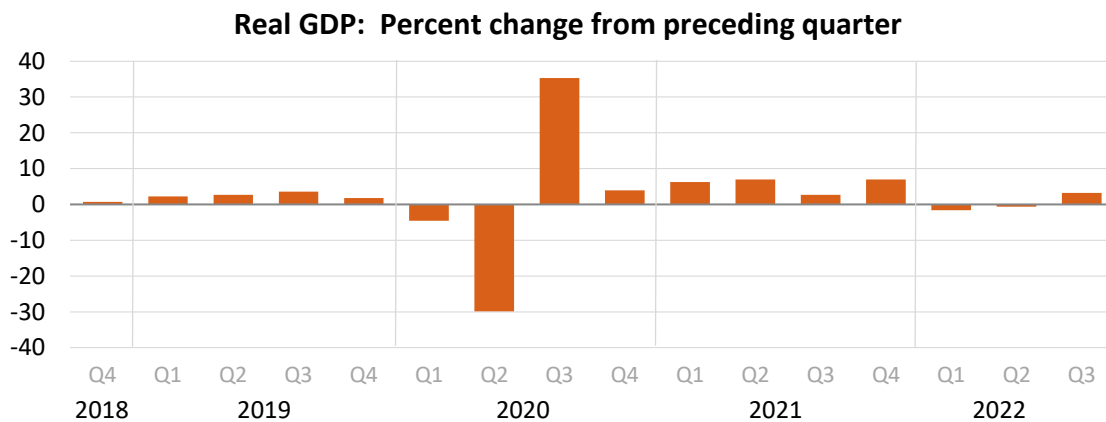
BEA 22-64

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## Gross Domestic Product (Third Estimate), Corporate Profits (Revised Estimate), and GDP by Industry, Third Quarter 2022

**Real gross domestic product** (GDP) increased at an annual rate of 3.2 percent in the third quarter of 2022 (table 1), according to the "third" estimate released by the Bureau of Economic Analysis. In the second quarter, real GDP decreased 0.6 percent.

The "third" estimate of GDP released today is based on more complete source data than were available for the "second" estimate issued last month. In the second estimate, the increase in real GDP was 2.9 percent. The updated estimates primarily reflected upward revisions to consumer spending and nonresidential fixed investment that were partly offset by a downward revision to private inventory investment. For more information, refer to "Updates to GDP."



U.S. Bureau of Economic Analysis

Seasonally adjusted annual rates

The increase in **real GDP** for the third quarter reflected increases in exports, consumer spending, nonresidential fixed investment, state and local government spending, and federal government spending, that were partly offset by decreases in residential fixed investment and private inventory investment. Imports decreased (table 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 nondurable goods), "other" exports of goods, and nonautomotive capital goods. Within exports of services, the increase was led by "other" business services and travel.

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 state and local government spending was led by increases in investment in structures and in compensation of state and local government employees. The increase in federal government spending was led by defense spending.

The decrease in residential fixed investment was led by new single-family construction and brokers' commissions. Within private inventory investment, the decrease was led by retail trade (mainly other general merchandise stores). Within imports, the decrease primarily reflected a decrease in imports of goods (notably consumer goods).

Real GDP turned up in the third quarter, increasing 3.2 percent after decreasing 0.6 percent in the second quarter. The upturn primarily reflected accelerations in nonresidential fixed investment and consumer spending, a smaller decrease in private inventory investment, and upturns in state and local as well as federal government spending that were partly offset by a larger decrease in residential fixed investment. Imports turned down.

**Current-dollar GDP** increased 7.7 percent at an annual rate, or \$475.5 billion, in the third quarter to a level of \$25.72 trillion (table 1 and table 3), an upward revision of \$25.0 billion from the previous estimate. More information on the source data that underlie the estimates is available in the "[Key Source Data and Assumptions](#)" file on BEA's website.

The **price index for gross domestic purchases** increased 4.8 percent in the third quarter (table 4), an upward revision of 0.1 percentage point from the previous estimate. **The PCE price index** increased 4.3 percent, unchanged from the prior estimate. Excluding food and energy prices, the PCE price index increased 4.7 percent, revised up 0.1 percentage point.

## Personal Income

**Current-dollar personal income** increased \$283.1 billion in the third quarter, a downward revision of \$8.1 billion from the previous estimate. The increase primarily reflected increases in compensation (led by private wages and salaries), personal interest income, and nonfarm proprietors' income (table 8).

**Disposable personal income** increased \$242.4 billion, or 5.4 percent, in the third quarter, an upward revision of \$6.6 billion from the previous estimate. **Real disposable personal income** increased 1.0 percent, an upward revision of 0.1 percentage point.

**Personal saving** was \$507.7 billion in the third quarter, a downward revision of \$12.9 billion from the previous estimate. The **personal saving rate**—personal saving as a percentage of disposable personal income—was 2.7 percent in the third quarter, a downward revision of 0.1 percentage point.

## Gross Domestic Income and Corporate Profits

**Real gross domestic income** (GDI) increased 0.8 percent in the third quarter, an upward revision of 0.5 percentage point from the previous estimate. The **average of real GDP and real GDI**, a supplemental measure of U.S. economic activity that equally weights GDP and GDI, increased 2.0 percent in the third quarter, an upward revision of 0.4 percentage point (table 1).

**Profits from current production** (corporate profits with inventory valuation and capital consumption adjustments) decreased \$1.3 billion in the third quarter, an upward revision of \$30.3 billion (table 10).

**Profits of domestic financial corporations** decreased \$1.8 billion in the third quarter, an upward revision of \$31.1 billion. **Profits of domestic nonfinancial corporations** increased \$16.1 billion, an upward revision of \$10.0 billion. **Rest-of-the-world profits** decreased \$15.5 billion, a downward revision of \$10.8 billion. In the third quarter, receipts increased \$1.0 billion, and payments increased \$16.5 billion (table 10).

## Updates to GDP

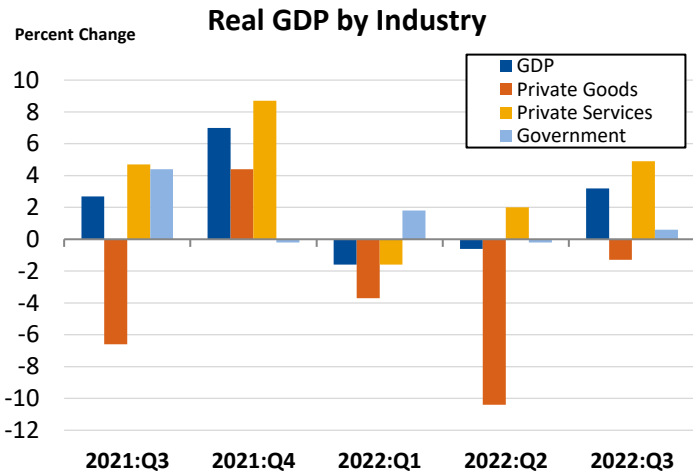
The 3.2 percent increase in third-quarter real GDP was 0.3 percentage point higher than previously estimated in the "second" estimate. Upward revisions to consumer spending, nonresidential fixed investment, and state and local government spending were partly offset by downward revisions to private inventory investment and exports. For more information, refer to the [Technical Note](#). For information on updates to GDP, refer to the "Additional Information" section that follows.

	<u>Advance Estimate</u>	<u>Second Estimate</u>	<u>Third Estimate</u>
	(Percent change from preceding quarter)		
Real GDP	2.6	2.9	3.2
Current-dollar GDP	6.7	7.3	7.7
Real GDI	...	0.3	0.8
Average of Real GDP and Real GDI	...	1.6	2.0
Gross domestic purchases price index	4.6	4.7	4.8
PCE price index	4.2	4.3	4.3
PCE price index excluding food and energy	4.5	4.6	4.7

## Real GDP by Industry

Today’s release includes estimates of **GDP by industry**, or value added—a measure of an industry’s contribution to GDP. In the third quarter, private services-producing industries increased 4.9 percent, government increased 0.6 percent, and private goods-producing industries decreased 1.3 percent (table 12). Overall, 16 of 22 industry groups contributed to the third-quarter increase in real GDP.

- Within private services-producing industries, the leading contributors to the increase were information; professional, scientific, and technical services; and real estate and rental and leasing. Notable offsets include decreases in utilities and in finance and insurance.
- The increase in government reflected an increase in state and local government that was partly offset by a decrease in federal government.
- Within private goods-producing industries, the decrease was led by construction which was partly offset by an increase in mining.

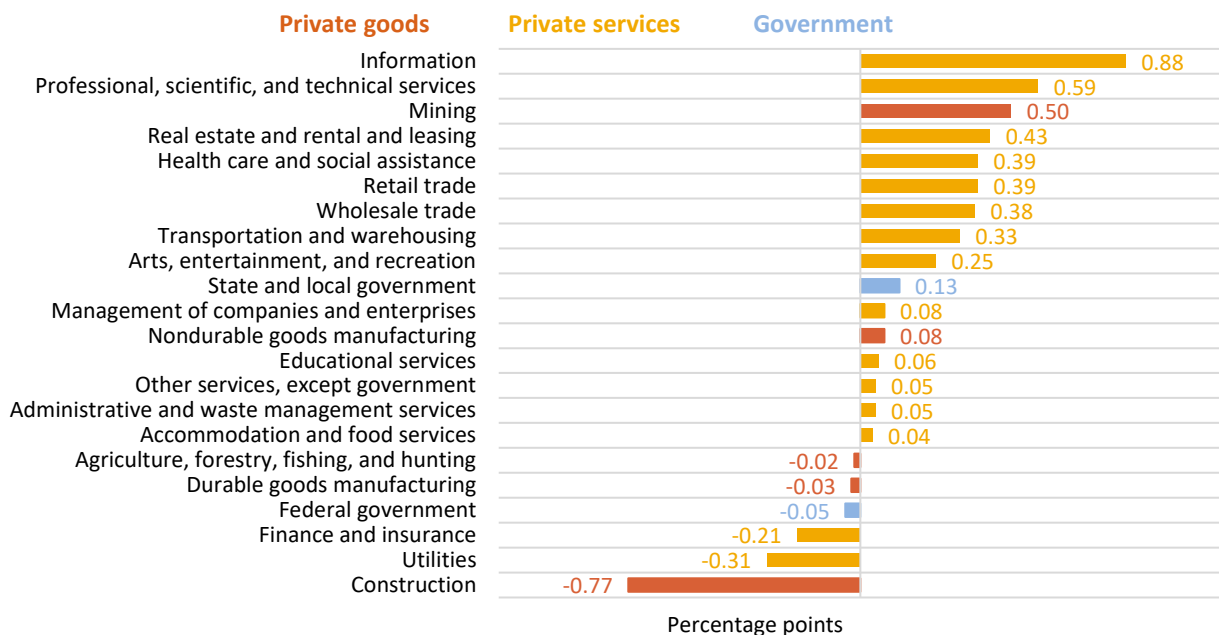


U.S. Bureau of Economic Analysis

Seasonally adjusted annual rates

## Contributions to Percent Change in Real GDP by Industry Group, 2022:Q3

Real GDP increased 3.2 percent



U.S. Bureau of Economic Analysis

Seasonally adjusted annual rates

## Gross Output by Industry

**Real gross output**—principally a measure of an industry’s sales or receipts, which includes sales to final users in the economy (GDP) and sales to other industries (intermediate inputs)—increased 2.5 percent in the third quarter. This reflected increases of 3.0 percent for private services-producing industries, 1.2 percent for private goods-producing industries, and 2.3 percent for government (table 16). Overall, 18 of 22 industry groups contributed to the increase in real gross output.

\* \* \*

Next release, January 26, 2023, at 8:30 a.m. EST  
 Gross Domestic Product, Fourth Quarter 2022 (Advance Estimate) and Year 2022

\* \* \*

## Release Dates in 2023

Estimate	2022 Q4 and Year 2022	2023 Q1	2023 Q2	2023 Q3
<b>Gross Domestic Product</b>				
Advance Estimate	January 26, 2023	April 27, 2023	July 27, 2023	October 26, 2023
Second Estimate	February 23, 2023	May 25, 2023	August 30, 2023	November 29, 2023
Third Estimate	March 30, 2023	June 29, 2023	September 28, 2023	December 21, 2023
<b>Gross Domestic Product by Industry</b>	March 30, 2023	June 29, 2023	September 28, 2023	December 21, 2023
<b>Corporate Profits</b>				
Preliminary Estimate	---	May 25, 2023	August 30, 2023	November 29, 2023
Revised Estimate	March 30, 2023	June 29, 2023	September 28, 2023	December 21, 2023

## Additional Information

### Resources

Additional resources available at [www.bea.gov](http://www.bea.gov):

- The full economic effects of the COVID-19 pandemic cannot be quantified in these statistics because the impacts are generally embedded in source data and cannot be separately identified. For more information about COVID-19 impacts, refer to [Federal Recovery Programs and BEA Statistics](#) on our website.
- Stay informed about BEA developments by reading the BEA [blog](#), signing up for BEA's [email subscription service](#), or following BEA on Twitter [@BEA\\_News](#).
- Historical time series for these estimates can be accessed in BEA's [interactive data application](#).
- Access BEA data by registering for BEA's data [Application Programming Interface](#) (API).
- For more on BEA's statistics, refer to our monthly online journal, the [Survey of Current Business](#).
- BEA's [news release schedule](#)
- [NIPA Handbook](#): Concepts and Methods of the U.S. National Income and Product Accounts

### Definitions

**Gross domestic product (GDP), or value added**, is the value of the goods and services produced by the nation's economy less the value of the goods and services used up in production. GDP is also equal to the sum of personal consumption expenditures, gross private domestic investment, net exports of goods and services, and government consumption expenditures and gross investment.

**Gross domestic income (GDI)** is the sum of incomes earned and costs incurred in the production of GDP. In national economic accounting, GDP and GDI are conceptually equal. In practice, GDP and GDI differ because they are constructed using largely independent source data.

**Gross output** is the value of the goods and services produced by the nation's economy. It is principally measured using industry sales or receipts, including sales to final users (GDP) and sales to other industries (intermediate inputs).

**Current-dollar estimates** are valued in the prices of the period when the transactions occurred—that is, at "market value." Also referred to as "nominal estimates" or as "current-price estimates."

**Real values** are inflation-adjusted estimates—that is, estimates that exclude the effects of price changes.

The **gross domestic purchases price index** measures the prices of final goods and services purchased by U.S. residents.

The **personal consumption expenditure price index** measures the prices paid for the goods and services purchased by, or on the behalf of, "persons."

**Personal income** is the income received by, or on behalf of, all persons from all sources: from participation as laborers in production, from owning a home or business, from the ownership of financial assets, and from government and business in the form of transfers. It includes income from domestic sources as well as the rest of world. It does not include realized or unrealized capital gains or losses.

**Disposable personal income** is the income available to persons for spending or saving. It is equal to personal income less personal current taxes.

**Personal outlays** is the sum of personal consumption expenditures, personal interest payments, and personal current transfer payments.

**Personal saving** is personal income less personal outlays and personal current taxes.

The **personal saving rate** is personal saving as a percentage of disposable personal income.

**Profits from current production**, referred to as corporate profits with inventory valuation adjustment (IVA) and capital consumption (CCAdj) adjustment in the National Income and Product Accounts (NIPAs), is a measure of the net income of corporations before deducting income taxes that is consistent with the value of goods and services measured in GDP. The IVA and CCAdj are adjustments that convert inventory withdrawals and depreciation of fixed assets reported on a tax-return, historical-cost basis to the current-cost economic measures used in the national income and product accounts. Profits for domestic industries reflect profits for all corporations located within the geographic borders of the United States. The rest-of-the-world (ROW) component of profits is measured as the difference between profits received from ROW and profits paid to ROW.

For more definitions, refer to the [Glossary: National Income and Product Accounts](#).

## Statistical conventions

**Annual-vs-quarterly rates.** Quarterly seasonally adjusted values are expressed at annual rates, unless otherwise specified. This convention is used for BEA's featured, seasonally adjusted measures to facilitate comparisons with related and historical data. For details, refer to the FAQ "[Why does BEA publish estimates at annual rates?](#)"

Quarterly not seasonally adjusted values are expressed only at quarterly rates.

**Percent changes.** Percent changes in quarterly seasonally adjusted series are displayed at annual rates, unless otherwise specified. For details, refer to the FAQ "[How is average annual growth calculated?](#)" and "[Why does BEA publish percent changes in quarterly series at annual rates?](#)" Percent changes in quarterly not seasonally adjusted values are calculated from the same quarter one year ago. All published percent changes are calculated from unrounded data.

**Calendar years and quarters.** Unless noted otherwise, annual and quarterly data are presented on a calendar basis.

**Quantities and prices.** Quantities, or "real" volume measures, and prices are expressed as index numbers with a specified reference year equal to 100 (currently 2012). Quantity and price indexes are calculated using a Fisher-chained weighted formula that incorporates weights from two adjacent periods (quarters for quarterly data and annuals for annual data). For details on the calculation of quantity and price indexes, refer to Chapter 4: Estimating Methods in the [NIPA Handbook](#).

**Chained-dollar values** are calculated by multiplying the quantity index by the current dollar value in the reference year (2012) and then dividing by 100. Percent changes calculated from real quantity indexes and chained-dollar levels are conceptually the same; any differences are due to rounding. Chained-dollar values are not additive because the relative weights for a given period differ from those of the reference year. In tables that display chained-dollar values, a "residual" line shows the difference between the sum of detailed chained-dollar series and its corresponding aggregate.

## Updates to GDP

BEA releases three vintages of the current quarterly estimate for GDP. "Advance" estimates are released near the end of the first month following the end of the quarter and are based on source data that are incomplete or subject to further revision by the source agency. "Second" and "third" estimates are released near the end of the second and third months, respectively, and are based on more detailed and more comprehensive data as they become available.

The table below shows the average revisions to the quarterly percent changes in real GDP between different estimate vintages, without regard to sign.

Vintage	Average Revision Without Regard to Sign (percentage points, annual rates)
Advance to second	0.5
Advance to third	0.6
Second to third	0.3

Note - Based on estimates from 1996 through 2021. For more information on GDP updates, refer to [Revision Information](#) on the BEA website.

Annual and comprehensive updates are released in late September. Annual updates generally cover at least the 5 most recent calendar years (and their associated quarters) and incorporate newly available major annual source data as well as some changes in methods and definitions to improve the accounts. Comprehensive (or benchmark) updates are carried out at about 5-year intervals and incorporate major periodic source data, as well as major conceptual improvements.

Unlike GDP, advance current quarterly estimates of GDI and corporate profits are not released because data on domestic profits and on net interest of domestic industries are not available. For fourth quarter estimates, these data are not available until the third estimate.

GDP by industry and gross output estimates are released with the third estimate of GDP.

**GDP News Release Tables**

Table 1. Real Gross Domestic Product and Related Measures: Percent Change from Preceding Period

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

Table 3. Gross Domestic Product: Level and Change from Preceding Period

Table 4. Price Indexes for Gross Domestic Product and Related Measures: Percent Change from Preceding Period

Table 5. Real Gross Domestic Product: Annual Percent Change

Table 6. Real Gross Domestic Product: Percent Change from Quarter One Year Ago

Table 7. Relation of Gross Domestic Product, Gross National Product, and National Income

Table 8. Personal Income and Its Disposition

Table 9. Corporate Profits: Level and Percent Change

Table 10. Corporate Profits by Industry: Level and Change from Preceding Period

Table 11. Gross Value Added of Nonfinancial Domestic Corporate Business

Table 12. Real Gross Domestic Product by Industry Group: Percent Change from Preceding Period

Table 13. Contributions to Percent Change in Real Gross Domestic Product by Industry Group

Table 14. Gross Domestic Product by Industry Group: Level and Change from Preceding Period

Table 15. Price Indexes for Gross Domestic Product by Industry Group: Percent Change from Preceding Period

Table 16. Real Gross Output by Industry Group: Percent Change from Preceding Period

Table 17. Gross Output by Industry Group: Level and Change from Preceding Period

Table 18. Price Indexes for Gross Output by Industry Group: Percent Change from Preceding Period

Appendix Table A. Real Gross Domestic Product and Related Aggregates: Percent Change from Preceding Period and Contributions to Percent Change

Appendix Table B. Not Seasonally Adjusted Real Gross Domestic Product: Level and Percent Change from Quarter One Year Ago



Table 1. Real Gross Domestic Product and Related Measures: Percent Change from Preceding Period

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line										
					2018					2019					2020						2021					2022				
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3	Q4	Q1	Q2	Q3 <sup>r</sup>					
1	<b>Gross domestic product (GDP)</b>	2.3	-2.8	5.9	0.7	2.2	2.7	3.6	1.8	-4.6	-29.9	35.3	3.9	6.3	7.0	2.7	7.0	-1.6	-0.6	3.2	1									
2	<b>Personal consumption expenditures</b>	2.0	-3.0	8.3	1.8	0.4	2.6	3.4	2.4	-6.2	-32.1	43.0	3.9	10.8	12.1	3.0	3.1	1.3	2.0	2.3	2									
3	Goods	3.1	5.2	12.2	3.3	0.0	5.5	5.8	2.8	0.0	-10.7	55.2	0.3	25.3	11.6	-7.9	2.3	-0.1	-2.6	-0.4	3									
4	Durable goods	3.8	10.0	18.5	1.7	-3.5	8.9	10.3	7.7	-11.3	0.4	103.6	0.6	44.7	10.6	-22.0	5.1	7.6	-2.8	-0.8	4									
5	Nondurable goods	2.8	2.7	8.8	4.1	1.7	3.8	3.6	0.4	6.2	-15.9	33.7	0.1	14.9	12.2	1.7	0.7	-4.4	-2.5	-0.1	5									
6	Services	1.5	-6.6	6.3	1.1	0.6	1.3	2.3	2.1	-8.9	-40.4	37.1	5.7	4.0	12.3	9.2	3.5	2.1	4.6	3.7	6									
7	<b>Gross private domestic investment</b>	2.8	-5.3	9.0	-0.3	4.0	2.4	2.6	-8.0	-5.1	-48.8	91.8	18.0	-5.4	0.9	10.4	32.0	5.4	-14.1	-9.6	7									
8	Fixed investment	2.5	-2.3	7.4	0.9	0.8	6.2	4.1	-1.3	-3.0	-28.9	29.2	16.8	9.7	5.8	-1.1	0.6	4.8	-5.0	-3.5	8									
9	Nonresidential	3.6	-4.9	6.4	3.8	1.8	6.2	4.1	-1.6	-8.2	-29.4	20.2	11.5	8.9	9.9	0.6	1.1	7.9	0.1	6.2	9									
10	Structures	2.3	-10.1	-6.4	-12.2	0.8	15.4	17.9	-5.8	-3.4	-42.9	-10.4	0.9	1.9	-2.5	-6.7	-12.7	-4.3	-12.7	-3.6	10									
11	Equipment	1.3	-10.5	10.3	7.2	0.9	0.8	-5.5	-8.3	-23.9	-38.0	57.1	21.1	6.1	14.0	-2.2	1.6	11.4	-2.0	10.6	11									
12	Intellectual property products	7.3	4.8	9.7	11.2	3.6	7.3	7.3	9.3	7.9	-9.3	9.5	8.3	15.6	12.6	7.4	8.1	10.8	8.9	6.8	12									
13	Residential	-1.0	7.2	10.7	-8.5	-2.5	6.5	4.2	0.0	17.4	-27.4	61.6	33.4	11.6	-4.9	-5.8	-1.1	-3.1	-17.8	-27.1	13									
14	Change in private inventories																				14									
15	<b>Net exports of goods and services</b>																				15									
16	Exports	0.5	-13.2	6.1	1.2	4.8	-2.3	0.0	0.8	-15.3	-60.9	59.5	24.2	0.4	4.9	-1.1	23.5	-4.6	13.8	14.6	16									
17	Goods	0.1	-10.1	7.4	2.7	5.5	-7.2	1.9	-0.2	-3.6	-66.2	103.2	25.5	-0.7	3.4	-3.7	23.4	-7.2	15.5	17.8	17									
18	Services	1.2	-18.8	3.3	-1.4	3.4	7.6	-3.4	2.5	-33.7	-49.1	1.4	21.2	2.5	7.7	4.7	23.6	1.6	9.9	7.5	18									
19	Imports	1.1	-9.0	14.1	3.9	1.3	0.7	-1.7	-8.0	-12.2	-53.7	88.2	32.9	7.6	7.9	6.6	18.6	18.4	2.2	-7.3	19									
20	Goods	0.5	-5.8	14.5	2.4	0.4	-0.4	-1.6	-9.4	-7.8	-49.3	103.7	29.3	10.9	4.0	0.2	19.6	20.4	-0.4	-8.6	20									
21	Services	4.0	-22.0	12.3	11.2	5.7	5.3	-2.3	-2.0	-28.9	-69.3	25.7	53.6	-8.8	31.9	45.3	14.0	9.1	16.6	-0.8	21									
22	<b>Government consumption expenditures and gross investment</b>	3.3	2.6	0.6	0.1	4.9	5.3	3.4	2.4	3.3	7.3	-5.9	-0.1	6.5	-3.0	-0.2	-1.0	-2.3	-1.6	3.7	22									
23	Federal	3.9	6.2	2.3	2.1	2.9	6.3	4.9	1.8	3.7	31.5	-10.9	1.8	17.3	-6.9	-7.2	0.0	-5.3	-3.4	3.7	23									
24	National defense	5.3	2.9	-1.2	6.6	7.9	0.0	6.8	1.8	2.1	1.8	1.3	11.8	-9.0	-2.6	-3.2	-5.3	-8.5	1.4	4.7	24									
25	Nondefense	1.9	11.2	7.3	-4.2	-4.1	16.6	2.2	1.8	6.1	86.5	-24.7	-10.8	64.8	-11.9	-12.1	7.4	-1.1	-9.2	2.5	25									
26	State and local	3.0	0.4	-0.5	-1.1	6.1	4.7	2.4	2.7	3.0	-5.5	-2.5	-1.3	0.1	-0.4	4.5	-1.6	-0.4	-0.6	3.7	26									
	<b>Addenda:</b>																													
27	Gross domestic income (GDI) <sup>1</sup>	2.2	-2.3	5.5	2.0	2.0	1.2	1.6	3.6	-0.4	-30.6	23.8	17.2	2.0	3.1	4.6	6.7	0.8	-0.8	0.8	27									
28	Average of GDP and GDI	2.3	-2.5	5.7	1.4	2.1	2.0	2.6	2.7	-2.5	-30.3	29.4	10.4	4.1	5.0	3.6	6.8	-0.4	-0.7	2.0	28									
29	Final sales of domestic product	2.3	-2.2	5.7	0.9	1.6	3.4	3.9	3.1	-4.3	-25.9	26.6	3.7	9.1	7.9	0.7	1.9	-1.8	1.3	4.5	29									
30	Gross domestic purchases	2.3	-2.4	7.0	1.1	1.8	3.0	3.3	0.5	-4.4	-29.4	38.7	5.5	7.1	7.4	3.6	6.9	1.4	-1.6	0.3	30									
31	Final sales to domestic purchasers	2.3	-1.9	6.7	1.3	1.2	3.7	3.5	1.7	-4.1	-25.5	30.1	5.3	9.9	8.2	1.7	2.0	1.3	0.2	1.5	31									
32	Final sales to private domestic purchasers	2.1	-2.8	8.1	1.6	0.5	3.3	3.6	1.6	-5.5	-31.4	40.0	6.5	10.6	10.7	2.1	2.6	2.1	0.5	1.1	32									
33	Gross national product (GNP)	2.2	-3.1	5.7	0.8	2.3	2.7	3.4	1.3	-4.6	-30.8	35.7	3.1	6.9	5.9	3.0	7.1	-1.6	-0.3	2.4	33									
34	Disposable personal income	3.5	6.2	1.8	4.4	5.3	0.0	3.3	2.6	2.4	46.5	-15.3	-9.0	52.4	-28.8	-4.6	-4.9	-10.6	-2.3	1.0	34									
	<b>Current-dollar measures:</b>																													
35	GDP	4.1	-1.5	10.7	2.6	3.8	5.0	5.0	3.3	-3.1	-30.9	40.1	6.6	11.7	13.8	9.0	14.3	6.6	8.5	7.7	35									
36	GDI	4.1	-1.0	10.2	3.9	3.6	3.5	2.9	5.1	1.3	-31.7	28.2	20.2	7.1	9.6	11.1	14.0	9.2	8.2	5.2	36									
37	Average of GDP and GDI	4.1	-1.2	10.4	3.2	3.7	4.3	3.9	4.2	-0.9	-31.3	34.0	13.2	9.4	11.7	10.0	14.1	7.9	8.4	6.5	37									
38	Final sales of domestic product	4.1	-0.9	10.5	2.7	3.1	5.7	5.3	4.4	-2.6	-26.8	31.0	6.3	14.8	14.9	7.1	8.8	6.4	10.5	9.1	38									
39	Gross domestic purchases	3.9	-1.2	11.5	2.8	3.0	5.2	4.2	1.9	-2.9	-30.2	43.2	7.8	12.1	13.8	9.7	14.2	9.7	6.8	5.1	39									
40	Final sales to domestic purchasers	3.9	-0.7	11.3	3.0	2.4	5.9	4.6	2.9	-2.4	-26.2	34.1	7.5	15.1	14.8	7.8	8.9	9.5	8.7	6.3	40									
41	Final sales to private domestic purchasers	3.7	-1.7	12.5	3.0	1.6	5.8	4.6	2.7	-4.1	-32.2	44.3	8.4	15.4	17.3	8.2	9.5	10.2	8.5	6.1	41									
42	GNP	4.0	-1.9	10.5	2.6	3.9	5.0	4.7	2.8	-3.0	-31.8	40.5	5.8	12.3	12.7	9.4	14.4	6.7	8.7	6.9	42									
43	Disposable personal income	5.0	7.4	5.9	6.0	6.1	2.4	4.4	4.1	3.9	43.8	-12.4	-7.5	59.2	-24.2	0.8	1.0	-3.9	4.8	5.4	43									

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

Source: U.S. Bureau of Economic Analysis



Table 3. Gross Domestic Product: Level and Change from Preceding Period--Continues

Line		Billions of dollars						Billions of chained (2012) dollars						Change from preceding period			Line
		2021	Seasonally adjusted at annual rates					2021	Seasonally adjusted at annual rates								
			2021		2022				2021		2022			2022	Q3 <sup>r</sup>		
			Q3	Q4	Q1	Q2	Q3 <sup>r</sup>		Q3	Q4	Q1	Q2	Q3 <sup>r</sup>			Q2	
1	<b>Gross domestic product (GDP)</b>	23,315.1	23,550.4	24,349.1	24,740.5	25,248.5	25,723.9	19,609.8	19,672.6	20,006.2	19,924.1	19,895.3	20,054.7	1,100.7	-28.8	159.4	1
2	<b>Personal consumption expenditures</b>	15,902.6	16,147.3	16,518.0	16,874.8	17,261.3	17,542.7	13,754.1	13,874.4	13,981.5	14,028.4	14,099.5	14,178.6	1,053.4	71.1	79.1	2
3	<b>Goods</b>	5,496.5	5,517.1	5,673.7	5,843.2	5,953.6	5,988.6	5,561.9	5,534.6	5,566.7	5,565.7	5,529.6	5,524.5	606.2	-36.1	-5.1	3
4	Durable goods	2,060.2	2,035.0	2,101.6	2,183.9	2,181.8	2,195.8	2,268.8	2,206.0	2,233.5	2,275.1	2,259.2	2,254.4	354.6	-15.9	-4.8	4
5	Motor vehicles and parts	688.7	656.3	695.0	737.1	724.5	713.1	614.0	563.8	573.6	594.7	578.7	559.8	83.7	-15.9	-19.0	5
6	Furnishings and durable household equipment	495.0	494.9	499.5	516.8	525.1	532.8	535.4	530.7	522.5	518.4	517.6	521.0	66.5	-0.8	3.3	6
7	Recreational goods and vehicles	603.9	604.5	623.6	641.4	640.5	655.4	846.3	843.8	867.9	890.1	893.2	913.7	141.7	3.1	20.5	7
8	Other durable goods	272.6	279.3	283.5	288.6	291.7	294.5	326.6	333.0	338.0	340.2	343.8	345.2	77.4	3.6	1.4	8
9	Nondurable goods	3,436.3	3,482.2	3,572.1	3,659.3	3,771.9	3,792.7	3,336.2	3,365.5	3,371.7	3,334.1	3,313.5	3,312.7	269.4	-20.7	-0.8	9
10	Food and beverages purchased for off-premises consumption	1,205.0	1,211.7	1,239.0	1,248.5	1,260.4	1,289.9	1,082.0	1,081.8	1,083.3	1,062.7	1,035.3	1,027.6	38.9	-27.4	-7.6	10
11	Clothing and footwear	461.3	471.2	472.8	480.5	488.6	498.9	486.4	495.0	490.9	485.1	489.9	496.9	100.6	4.8	7.0	11
12	Gasoline and other energy goods	369.4	387.6	430.6	474.5	541.0	492.3	433.0	445.9	450.2	438.4	436.0	432.9	45.1	-2.4	-3.1	12
13	Other nondurable goods	1,400.5	1,411.7	1,429.6	1,455.8	1,481.9	1,511.7	1,299.3	1,310.1	1,314.8	1,315.7	1,322.7	1,327.3	93.7	7.0	4.7	13
14	<b>Services</b>	10,406.1	10,630.2	10,844.3	11,031.6	11,307.7	11,554.1	8,361.1	8,494.3	8,568.2	8,613.0	8,709.6	8,788.4	498.1	96.7	78.7	14
15	Household consumption expenditures (for services)	9,940.5	10,167.6	10,355.6	10,525.4	10,779.2	11,015.6	8,023.2	8,164.9	8,234.9	8,270.4	8,359.0	8,438.7	562.4	88.6	79.7	15
16	Housing and utilities	2,775.4	2,792.4	2,829.4	2,896.1	2,958.4	3,027.3	2,146.7	2,151.7	2,149.1	2,165.9	2,170.5	2,169.3	23.7	4.6	-1.2	16
17	Health care	2,583.5	2,615.1	2,650.9	2,673.4	2,684.8	2,742.8	2,231.5	2,254.9	2,276.1	2,273.5	2,276.0	2,307.0	152.5	2.6	30.9	17
18	Transportation services	444.1	484.5	497.0	506.6	551.6	560.6	395.1	425.8	433.1	431.5	439.0	438.8	54.3	7.4	-0.2	18
19	Recreation services	528.5	551.8	579.6	590.9	610.3	622.0	435.0	452.0	469.0	471.4	481.8	486.0	61.9	10.3	4.3	19
20	Food services and accommodations	1,060.9	1,125.3	1,159.2	1,178.0	1,247.0	1,277.4	830.2	871.5	879.4	879.7	913.1	924.5	158.1	33.5	11.4	20
21	Financial services and insurance	1,275.0	1,287.0	1,312.1	1,309.8	1,309.1	1,320.9	874.1	875.4	888.4	884.8	888.9	900.4	32.8	4.0	11.6	21
22	Other services	1,273.2	1,311.5	1,327.5	1,370.7	1,418.0	1,464.5	1,122.2	1,151.0	1,157.8	1,183.2	1,209.9	1,235.8	92.5	26.7	26.0	22
23	Final consumption expenditures of nonprofit institutions serving households	465.5	462.5	488.6	506.2	528.5	538.5	341.1	334.0	337.9	346.1	353.6	353.3	-58.3	7.5	-0.3	23
24	Gross output of nonprofit institutions	1,748.8	1,760.6	1,807.0	1,821.2	1,839.1	1,893.4	1,396.2	1,397.7	1,413.7	1,407.4	1,406.9	1,430.8	12.0	-0.5	23.9	24
25	Less: Receipts from sales of goods and services by nonprofit institutions	1,283.3	1,298.1	1,318.4	1,315.1	1,310.6	1,355.0	1,058.7	1,068.2	1,080.4	1,064.0	1,054.6	1,080.1	76.1	-9.4	25.5	25
26	<b>Gross private domestic investment</b>	4,113.5	4,109.1	4,499.2	4,671.0	4,609.9	4,579.1	3,603.0	3,584.1	3,841.8	3,892.5	3,747.0	3,653.9	296.5	-145.5	-93.1	26
27	<b>Fixed investment</b>	4,132.6	4,164.3	4,259.2	4,413.6	4,464.6	4,508.2	3,574.6	3,581.1	3,586.2	3,628.6	3,581.9	3,550.5	247.8	-46.7	-31.5	27
28	Nonresidential	3,025.0	3,046.3	3,111.8	3,225.0	3,292.2	3,403.4	2,835.4	2,852.2	2,860.2	2,915.0	2,915.5	2,959.7	169.4	0.5	44.2	28
29	Structures	598.2	599.7	610.3	627.3	631.2	654.8	477.5	476.6	460.7	455.6	440.4	436.4	-32.8	-15.3	-4.0	29
30	Equipment	1,194.0	1,197.3	1,221.2	1,277.8	1,299.5	1,352.0	1,221.8	1,227.1	1,232.0	1,265.7	1,259.1	1,291.3	114.5	-6.5	32.1	30
31	Information processing equipment	426.7	420.3	441.3	464.2	458.5	469.1	540.4	531.7	556.7	579.0	569.6	582.3	48.0	-9.4	12.6	31
32	Industrial equipment	277.3	285.6	298.4	315.8	318.7	313.3	251.0	256.2	263.0	270.9	266.7	258.9	26.7	-4.2	-7.8	32
33	Transportation equipment	224.5	224.4	208.8	208.5	224.0	269.4	222.7	229.2	208.2	206.3	212.1	249.1	30.2	5.8	37.0	33
34	Other equipment	265.5	267.0	272.7	289.3	298.3	300.2	236.2	236.0	234.5	241.8	241.8	236.2	12.2	-0.1	-5.6	34
35	Intellectual property products	1,232.7	1,249.2	1,280.4	1,319.9	1,361.4	1,396.6	1,153.0	1,166.0	1,188.8	1,219.6	1,245.9	1,266.7	101.8	26.3	20.8	35
36	Software	512.4	520.3	526.5	545.1	558.9	579.3	574.2	582.8	589.7	615.7	630.9	653.5	65.2	15.2	22.6	36
37	Research and development	629.8	636.8	656.4	674.3	693.9	702.7	511.9	516.2	527.3	534.3	541.7	540.3	41.0	7.4	-1.5	37
38	Entertainment, literary, and artistic originals	90.5	92.1	97.5	100.6	108.7	114.6	80.1	80.9	84.9	86.1	90.9	94.8	0.0	4.8	4.0	38
39	Residential	1,107.6	1,118.0	1,147.3	1,188.6	1,172.4	1,104.8	719.4	712.2	710.3	704.7	671.0	620.0	69.5	-33.8	-51.0	39
40	<b>Change in private inventories</b>	-19.1	-55.2	240.0	257.4	145.4	70.9	-19.4	-48.6	197.6	214.5	110.2	38.7	35.2	-104.4	-71.5	40
41	Farm	-3.0	-2.0	-4.9	-6.6	-9.5	-12.1	-3.9	-3.8	-9.8	-15.5	-19.5	-22.4	4.5	-4.0	-2.9	41
42	Nonfarm	-16.1	-53.1	244.9	264.1	154.9	83.0	-16.0	-44.8	202.2	223.6	123.6	55.5	30.9	-100.0	-68.1	42

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

Note. Users are cautioned that particularly for components that exhibit rapid change 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. For accurate estimates of the contributions to percent changes in real gross domestic product, use table 2.

Source: U.S. Bureau of Economic Analysis

Table 3. Gross Domestic Product: Level and Change from Preceding Period--Table Ends

Line		Billions of dollars						Billions of chained (2012) dollars									Line
		2021	Seasonally adjusted at annual rates					2021	Seasonally adjusted at annual rates					Change from preceding period			
			2021		2022				2021		2022			2021	2022		
			Q3	Q4	Q1	Q2	Q3 <sup>r</sup>		Q3	Q4	Q1	Q2	Q3 <sup>r</sup>		Q2	Q3 <sup>r</sup>	
43	<b>Net exports of goods and services</b>	<b>-861.7</b>	<b>-889.1</b>	<b>-914.7</b>	<b>-1,116.7</b>	<b>-1,035.6</b>	<b>-890.8</b>	<b>-1,233.4</b>	<b>-1,267.5</b>	<b>-1,297.6</b>	<b>-1,488.7</b>	<b>-1,430.5</b>	<b>-1,268.8</b>	<b>-310.7</b>	<b>58.2</b>	<b>161.8</b>	43
44	<b>Exports</b>	<b>2,539.6</b>	<b>2,553.3</b>	<b>2,733.0</b>	<b>2,811.2</b>	<b>3,038.8</b>	<b>3,065.0</b>	<b>2,366.8</b>	<b>2,338.8</b>	<b>2,465.7</b>	<b>2,436.9</b>	<b>2,516.9</b>	<b>2,604.1</b>	<b>135.1</b>	<b>80.0</b>	<b>87.2</b>	44
45	Goods	1,741.5	1,751.6	1,878.2	1,940.9	2,134.7	2,141.2	1,728.9	1,701.5	1,793.5	1,760.2	1,824.9	1,901.0	119.2	64.7	76.1	45
46	Services	798.2	801.8	854.9	870.4	904.2	923.8	656.9	654.7	690.3	693.0	709.5	722.5	21.1	16.5	13.0	46
47	<b>Imports</b>	<b>3,401.4</b>	<b>3,442.5</b>	<b>3,647.7</b>	<b>3,927.9</b>	<b>4,074.4</b>	<b>3,955.8</b>	<b>3,600.2</b>	<b>3,606.3</b>	<b>3,763.3</b>	<b>3,925.6</b>	<b>3,947.5</b>	<b>3,872.9</b>	<b>445.8</b>	<b>21.8</b>	<b>-74.6</b>	47
48	Goods	2,844.7	2,850.5	3,029.0	3,289.3	3,394.8	3,269.7	3,143.0	3,115.9	3,258.2	3,412.7	3,409.5	3,333.4	398.4	-3.2	-76.1	48
49	Services	556.7	592.0	618.7	638.6	679.6	686.1	484.2	510.5	527.5	539.0	560.1	559.0	52.8	21.1	-1.1	49
50	<b>Government consumption expenditures and gross investment</b>	<b>4,160.7</b>	<b>4,183.1</b>	<b>4,246.7</b>	<b>4,311.4</b>	<b>4,412.8</b>	<b>4,493.0</b>	<b>3,426.3</b>	<b>3,421.0</b>	<b>3,412.9</b>	<b>3,393.4</b>	<b>3,379.5</b>	<b>3,410.6</b>	<b>19.6</b>	<b>-13.9</b>	<b>31.1</b>	50
51	<b>Federal</b>	<b>1,609.2</b>	<b>1,595.5</b>	<b>1,612.8</b>	<b>1,613.1</b>	<b>1,622.7</b>	<b>1,657.1</b>	<b>1,390.5</b>	<b>1,371.4</b>	<b>1,371.5</b>	<b>1,353.0</b>	<b>1,341.3</b>	<b>1,353.7</b>	<b>31.6</b>	<b>-11.6</b>	<b>12.4</b>	51
52	National defense	904.0	906.8	904.4	898.7	918.3	935.3	791.3	789.5	778.8	761.7	764.5	773.3	-9.8	2.7	8.9	52
53	Consumption expenditures	713.0	714.3	710.3	708.4	726.5	743.1	616.5	613.9	603.9	592.8	597.3	606.5	-14.5	4.5	9.2	53
54	Gross investment	191.0	192.5	194.1	190.4	191.8	192.2	175.7	176.6	176.0	169.9	167.9	167.4	5.1	-2.0	-0.5	54
55	Nondefense	705.1	688.8	708.4	714.4	704.4	721.8	597.0	580.0	590.5	588.9	574.8	578.3	40.4	-14.1	3.5	55
56	Consumption expenditures	533.8	516.3	533.4	535.2	521.8	535.1	443.4	426.1	436.2	433.2	418.9	421.0	41.9	-14.3	2.1	56
57	Gross investment	171.4	172.5	175.0	179.3	182.6	186.7	153.3	154.0	154.2	155.7	156.2	157.6	-2.3	0.5	1.5	57
58	<b>State and local</b>	<b>2,551.6</b>	<b>2,587.6</b>	<b>2,633.9</b>	<b>2,698.2</b>	<b>2,790.0</b>	<b>2,836.0</b>	<b>2,037.9</b>	<b>2,050.7</b>	<b>2,042.7</b>	<b>2,040.7</b>	<b>2,037.8</b>	<b>2,056.5</b>	<b>-10.6</b>	<b>-2.9</b>	<b>18.7</b>	58
59	Consumption expenditures	2,106.9	2,142.5	2,180.1	2,238.5	2,325.6	2,346.0	1,681.1	1,697.1	1,692.4	1,696.4	1,701.0	1,709.0	7.4	4.6	8.0	59
60	Gross investment	444.6	445.1	453.8	459.7	464.5	490.0	356.8	353.4	350.2	344.3	336.8	347.5	-18.1	-7.5	10.6	60
61	Residual							-163.1	-166.1	-159.1	-149.8	-166.2	-225.0				61
	<b>Addenda:</b>																
62	Gross domestic income (GDI) <sup>1</sup>	23,444.0	23,683.9	24,473.3	25,017.5	25,517.8	25,844.7	19,718.3	19,784.1	20,108.2	20,147.2	20,107.5	20,148.8	1,020.2	-39.7	41.3	62
63	Average of GDP and GDI	23,379.6	23,617.2	24,411.2	24,879.0	25,383.1	25,784.3	19,664.0	19,728.4	20,057.2	20,035.6	20,001.4	20,101.7	1,060.5	-34.3	100.4	63
64	Final sales of domestic product	23,334.2	23,605.6	24,109.1	24,483.1	25,103.1	25,653.0	19,581.3	19,668.6	19,759.2	19,669.8	19,735.9	19,954.2	1,054.1	66.0	218.3	64
65	Gross domestic purchases	24,176.8	24,439.6	25,263.8	25,857.2	26,284.0	26,614.8	20,774.8	20,870.2	21,221.1	21,297.3	21,208.9	21,227.1	1,359.3	-88.4	18.2	65
66	Final sales to domestic purchasers	24,195.9	24,494.7	25,023.8	25,599.7	26,138.7	26,543.9	20,747.2	20,867.5	20,970.1	21,038.4	21,047.3	21,126.2	1,311.6	8.9	78.9	66
67	Final sales to private domestic purchasers	20,035.2	20,311.6	20,777.1	21,288.4	21,725.9	22,050.8	17,328.4	17,455.3	17,567.4	17,656.9	17,680.5	17,727.2	1,301.1	23.6	46.7	67
68	<b>Gross domestic product</b>	<b>23,315.1</b>	<b>23,550.4</b>	<b>24,349.1</b>	<b>24,740.5</b>	<b>25,248.5</b>	<b>25,723.9</b>	<b>19,609.8</b>	<b>19,672.6</b>	<b>20,006.2</b>	<b>19,924.1</b>	<b>19,895.3</b>	<b>20,054.7</b>	<b>1,100.7</b>	<b>-28.8</b>	<b>159.4</b>	68
69	Plus: Income receipts from the rest of the world	1,087.0	1,106.8	1,120.9	1,147.1	1,231.3	1,292.1	929.5	940.6	937.1	942.3	990.6	1,027.1	64.9	48.3	36.5	69
70	Less: Income payments to the rest of the world	913.9	939.0	939.5	958.4	1,023.3	1,130.6	781.4	798.1	785.5	787.4	823.4	898.8	92.3	36.0	75.4	70
71	<b>Equals: Gross national product</b>	<b>23,488.2</b>	<b>23,718.3</b>	<b>24,530.6</b>	<b>24,929.2</b>	<b>25,456.4</b>	<b>25,885.4</b>	<b>19,759.3</b>	<b>19,816.7</b>	<b>20,159.3</b>	<b>20,080.4</b>	<b>20,063.7</b>	<b>20,184.9</b>	<b>1,073.9</b>	<b>-16.8</b>	<b>121.3</b>	71
72	Net domestic product	19,483.5	19,674.8	20,364.3	20,626.9	21,006.4	21,365.8	16,302.8	16,352.6	16,659.7	16,551.0	16,495.3	16,628.5	1,008.9	-55.7	133.2	72

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

Note. Users are cautioned that particularly for components that exhibit rapid change 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. For accurate estimates of the contributions to percent changes in real gross domestic product, use table 2.

Source: U.S. Bureau of Economic Analysis

Table 4. Price Indexes for Gross Domestic Product and Related Measures: Percent Change from Preceding Period

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line										
					2018					2019					2020						2021					2022				
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3	Q4	Q1	Q2	Q3 <sup>f</sup>					
1	<b>Gross domestic product (GDP)</b>	1.8	1.3	4.5	1.7	1.5	2.3	1.3	1.3	1.8	-1.3	3.5	2.5	5.2	6.3	6.2	6.8	8.3	9.0	4.4	1									
2	<b>Personal consumption expenditures</b>	1.5	1.1	4.0	1.5	0.8	2.5	1.0	1.5	1.5	-1.8	3.4	1.6	4.5	6.4	5.6	6.2	7.5	7.3	4.3	2									
3	Goods	-0.4	-0.7	4.9	-1.0	-1.3	1.8	-1.4	0.2	-0.8	-5.4	4.0	0.5	5.8	9.0	7.6	9.3	12.6	10.6	2.7	3									
4	Durable goods	-1.0	-0.9	5.6	-0.8	0.3	-1.1	-1.9	-2.6	-1.2	-2.7	4.8	2.1	1.3	14.7	10.0	8.2	8.3	2.4	3.5	4									
5	Nondurable goods	-0.1	-0.7	4.5	-1.1	-2.1	3.3	-1.2	1.6	-0.6	-6.8	3.7	-0.4	8.6	5.6	6.1	9.9	15.2	15.7	2.3	5									
6	Services	2.4	2.0	3.6	2.7	1.8	2.8	2.2	2.1	2.5	0.0	3.1	2.3	3.9	5.1	4.6	4.6	4.9	5.6	5.2	6									
7	<b>Gross private domestic investment</b>	1.6	1.3	3.6	0.9	2.5	2.1	0.7	-0.2	1.8	1.0	2.4	2.7	3.3	2.8	6.8	8.8	9.9	9.9	7.6	7									
8	Fixed investment	1.6	1.4	4.0	1.1	2.5	2.0	0.8	0.0	1.6	1.7	2.1	2.6	3.5	4.2	7.3	8.8	10.0	10.3	7.7	8									
9	Nonresidential	1.3	0.8	1.7	0.7	2.5	2.0	0.1	-0.8	1.3	2.0	-0.1	1.4	0.7	0.4	4.6	7.7	6.9	8.5	7.6	9									
10	Structures	4.1	1.3	4.1	6.0	4.1	5.7	2.9	2.1	2.0	-1.0	0.0	-1.6	1.3	8.1	10.2	22.8	16.7	17.5	20.1	10									
11	Equipment	0.1	-0.5	0.4	-0.4	1.4	-0.3	-1.6	-0.9	0.9	0.2	-2.4	-1.5	3.6	-4.4	4.3	6.5	7.6	9.2	5.9	11									
12	Intellectual property products	0.9	1.8	1.6	-1.3	2.7	2.6	0.4	-2.3	1.4	5.7	2.1	5.8	-2.7	1.3	2.3	2.1	1.9	3.9	3.7	12									
13	Residential	2.9	3.3	11.1	2.4	2.3	2.0	3.2	2.5	2.5	1.0	9.3	6.6	12.4	15.5	15.0	12.0	18.9	15.2	8.1	13									
14	Change in private inventories	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14									
15	<b>Net exports of goods and services</b>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15									
16	Exports	-0.5	-2.4	11.5	-1.5	-3.3	3.5	-2.4	-1.3	-1.8	-17.6	13.2	6.2	20.5	18.6	9.3	6.2	17.3	20.0	-9.7	16									
17	Goods	-1.6	-3.9	14.2	-3.0	-5.2	2.6	-4.0	-1.2	-4.2	-21.9	16.0	7.0	26.1	24.4	11.1	7.0	22.9	26.7	-14.0	17									
18	Services	1.7	0.4	6.0	1.3	0.4	5.3	0.7	-1.5	3.0	-8.9	8.3	4.7	9.7	7.2	5.7	4.6	5.8	6.0	1.3	18									
19	Imports	-1.6	-2.2	7.4	-2.0	-4.6	2.3	-4.1	-1.3	-1.2	-12.2	8.1	2.8	12.9	12.7	6.1	6.3	13.5	13.2	-4.1	19									
20	Goods	-2.1	-2.8	7.8	-2.6	-5.8	2.5	-4.8	-2.0	-1.8	-13.7	8.8	2.6	14.5	13.5	6.1	6.6	15.5	13.9	-5.8	20									
21	Services	0.9	0.7	5.1	0.4	1.2	1.0	-1.0	1.6	1.6	-4.4	5.0	4.3	5.0	8.8	6.5	4.8	4.1	10.0	4.7	21									
22	<b>Government consumption expenditures and gross investment</b>	1.7	1.9	5.3	2.4	0.9	0.8	1.0	1.5	3.2	0.0	3.2	3.7	6.9	6.8	6.0	7.2	8.7	11.6	3.6	22									
23	Federal	1.8	1.1	3.4	3.0	4.3	-2.6	1.0	1.6	1.4	0.3	2.6	2.4	4.1	4.1	4.4	4.3	5.7	6.0	4.8	23									
24	National defense	1.6	1.1	3.7	1.6	1.3	1.3	1.2	1.8	1.0	-1.1	3.0	2.5	5.2	4.3	4.4	4.5	6.6	7.5	2.7	24									
25	Nondefense	2.1	1.1	3.0	5.0	9.0	-8.3	0.7	1.4	2.0	2.3	2.1	2.4	2.6	3.8	4.4	4.2	4.5	4.1	7.6	25									
26	State and local	1.6	2.4	6.5	2.1	-1.1	3.0	1.1	1.5	4.3	-0.2	3.6	4.6	8.8	8.5	7.0	9.0	10.6	15.0	2.9	26									
	<b>Addenda:</b>																													
27	Final sales of domestic product	1.8	1.4	4.6	1.8	1.4	2.3	1.4	1.3	1.8	-1.2	3.4	2.5	5.2	6.5	6.3	6.8	8.3	9.1	4.4	27									
28	Gross domestic purchases	1.5	1.3	4.2	1.6	1.1	2.1	1.0	1.2	1.8	-1.0	3.2	2.2	4.7	5.9	5.9	6.8	8.1	8.5	4.8	28									
29	Final sales to domestic purchasers	1.6	1.3	4.2	1.6	1.1	2.1	1.0	1.2	1.8	-0.9	3.1	2.2	4.8	6.1	5.9	6.8	8.1	8.5	4.8	29									
30	Final sales to private domestic purchasers	1.5	1.2	4.0	1.4	1.2	2.4	1.0	1.1	1.5	-1.1	3.1	1.9	4.3	6.0	5.9	6.7	8.0	7.9	5.0	30									
31	<b>Gross national product (GNP)</b>	1.8	1.3	4.5	1.7	1.5	2.3	1.3	1.3	1.8	-1.3	3.5	2.5	5.2	6.2	6.2	6.8	8.3	9.0	4.4	31									
32	GDP excluding food and energy <sup>1</sup>	1.9	1.5	4.1	2.0	1.7	2.4	1.5	1.1	2.2	-0.6	3.1	2.3	4.3	5.9	5.6	6.2	6.6	7.3	5.2	32									
33	Gross domestic purchases excluding food and energy <sup>1</sup>	1.7	1.4	3.9	1.8	1.5	1.8	1.3	1.1	2.1	-0.3	3.0	2.2	4.0	5.7	5.4	6.0	7.0	6.9	5.0	33									
34	PCE excluding food and energy <sup>1</sup>	1.7	1.3	3.5	1.9	1.5	2.1	1.6	1.2	1.9	-1.0	3.2	1.5	3.2	6.0	4.8	4.8	5.6	4.7	4.7	34									
35	Market-based PCE <sup>2</sup>	1.3	1.1	3.6	1.2	0.9	2.1	0.8	1.5	1.3	-1.0	2.8	1.1	4.0	5.8	5.2	6.2	8.2	8.0	4.5	35									
36	Market-based PCE excluding food and energy <sup>1,2</sup>	1.5	1.3	2.9	1.5	1.7	1.7	1.4	1.3	1.8	0.1	2.4	0.9	2.5	5.2	4.3	4.6	6.1	5.0	5.0	36									
	<b>Implicit price deflators:</b>																													
37	GDP	1.8	1.3	4.5	1.8	1.6	2.2	1.3	1.5	1.6	-1.5	3.5	2.6	5.1	6.4	6.2	6.8	8.4	9.1	4.4	37									
38	Gross domestic purchases	1.6	1.2	4.2	1.7	1.2	2.1	1.0	1.4	1.6	-1.2	3.2	2.2	4.6	6.0	5.9	6.8	8.2	8.6	4.8	38									
39	GNP	1.8	1.3	4.5	1.8	1.5	2.2	1.3	1.5	1.6	-1.5	3.5	2.6	5.1	6.3	6.2	6.8	8.3	9.1	4.4	39									

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

2. This index is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most implicit prices (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Source: U.S. Bureau of Economic Analysis

Table 5. Real Gross Domestic Product: Annual Percent Change

Line		Percent change from preceding year									Percent change from fourth quarter to fourth quarter one year ago									Line
		2014	2015	2016	2017	2018	2019	2020	2021	2014	2015	2016	2017	2018	2019	2020	2021			
1	<b>Gross domestic product (GDP)</b>	2.3	2.7	1.7	2.2	2.9	2.3	-2.8	5.9	2.6	1.9	2.0	2.8	2.3	2.6	-1.5	5.7	1		
2	<b>Personal consumption expenditures (PCE)</b>	2.7	3.3	2.5	2.4	2.9	2.0	-3.0	8.3	3.5	2.6	2.3	2.8	2.5	2.2	-1.4	7.2	2		
3	Goods	4.1	4.8	3.4	3.9	3.9	3.1	5.2	12.2	5.0	3.8	3.4	5.2	2.7	3.5	8.6	7.1	3		
4	Durable goods	7.2	7.6	5.4	6.4	6.8	3.8	10.0	18.5	9.2	6.0	6.3	8.2	3.7	5.7	16.2	7.0	4		
5	Nondurable goods	2.6	3.4	2.5	2.6	2.5	2.8	2.7	8.8	3.2	2.8	2.0	3.7	2.2	2.4	4.6	7.2	5		
6	Services	2.0	2.6	2.0	1.7	2.4	1.5	-6.6	6.3	2.7	2.1	1.8	1.7	2.4	1.6	-5.8	7.2	6		
7	<b>Gross private domestic investment</b>	5.6	5.5	-1.0	4.1	5.7	2.8	-5.3	9.0	5.3	2.3	1.8	4.6	4.8	0.1	2.4	8.6	7		
8	Fixed investment	6.6	3.8	2.1	4.1	4.9	2.5	-2.3	7.4	7.0	1.7	2.8	5.0	3.5	2.4	1.0	3.7	8		
9	Nonresidential	7.2	2.3	0.9	4.1	6.5	3.6	-4.9	6.4	6.9	-0.1	2.5	5.2	5.7	2.6	-3.5	5.0	9		
10	Structures	11.0	-0.9	-4.3	4.4	4.1	2.3	-10.1	-6.4	9.3	-7.3	3.6	0.8	1.7	6.6	-16.0	-5.2	10		
11	Equipment	7.0	3.0	-1.8	2.8	6.6	1.3	-10.5	10.3	5.6	1.5	-2.2	7.0	5.1	-3.1	-2.7	4.7	11		
12	Intellectual property products	4.8	3.8	8.8	5.6	8.1	7.3	4.8	9.7	6.9	3.3	8.4	5.8	9.3	6.9	3.8	10.8	12		
13	Residential	3.8	10.2	6.6	4.0	-0.6	-1.0	7.2	10.7	7.7	9.2	4.0	4.6	-3.8	2.0	16.4	-0.3	13		
14	Change in private inventories	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14		
15	<b>Net exports of goods and services</b>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15		
16	Exports	3.9	0.3	0.4	4.3	2.8	0.5	-13.2	6.1	2.4	-1.5	1.3	6.2	0.2	0.8	-10.0	6.5	16		
17	Goods	4.5	-0.4	0.6	4.1	4.2	0.1	-10.1	7.4	2.7	-2.8	2.4	6.1	1.2	-0.1	-4.5	5.1	17		
18	Services	2.7	1.5	0.0	4.5	0.2	1.2	-18.8	3.3	1.9	1.2	-0.7	6.4	-1.8	2.4	-19.7	9.3	18		
19	Imports	5.2	5.2	1.5	4.5	4.2	1.1	-9.0	14.1	6.5	3.3	2.2	5.3	3.3	-2.0	0.4	10.1	19		
20	Goods	5.6	5.8	1.1	4.5	5.1	0.5	-5.8	14.5	7.0	3.3	2.6	5.5	3.5	-2.9	5.3	8.4	20		
21	Services	3.2	2.5	3.0	4.6	0.5	4.0	-22.0	12.3	4.3	3.1	0.3	4.7	2.4	1.6	-19.4	18.8	21		
22	<b>Government consumption expenditures and gross investment</b>	-0.9	1.8	2.0	0.4	1.7	3.3	2.6	0.6	0.3	2.2	1.6	0.7	1.6	4.0	1.0	0.5	22		
23	Federal	-2.6	0.0	0.5	0.4	3.0	3.9	6.2	2.3	-1.0	1.2	0.1	1.3	3.2	4.0	5.4	0.4	23		
24	National defense	-4.1	-2.1	-0.6	0.9	3.3	5.3	2.9	-1.2	-3.4	-0.4	-0.6	2.0	4.5	4.1	4.2	-5.0	24		
25	Nondefense	0.0	3.3	2.1	-0.3	2.5	1.9	11.2	7.3	2.8	3.7	1.1	0.2	1.4	3.9	7.4	8.2	25		
26	State and local	0.2	3.0	2.8	0.4	0.9	3.0	0.4	-0.5	1.2	2.8	2.5	0.3	0.6	4.0	-1.6	0.6	26		
	<b>Addenda:</b>																			
27	Gross domestic income (GDI) <sup>1</sup>	3.1	2.5	0.9	2.3	2.9	2.2	-2.3	5.5	4.0	1.2	1.2	2.9	2.9	2.1	0.1	4.1	27		
28	Average of GDP and GDI	2.7	2.6	1.3	2.3	2.9	2.3	-2.5	5.7	3.3	1.5	1.6	2.8	2.6	2.3	-0.7	4.9	28		
29	Final sales of domestic product	2.4	2.4	2.2	2.2	2.8	2.3	-2.2	5.7	2.8	1.8	2.2	2.9	2.1	3.0	-1.8	4.8	29		
30	Gross domestic purchases	2.5	3.4	1.8	2.3	3.1	2.3	-2.4	7.0	3.2	2.5	2.1	2.8	2.7	2.1	-0.3	6.2	30		
31	Final sales to domestic purchasers	2.7	3.1	2.3	2.3	3.0	2.3	-1.9	6.7	3.5	2.4	2.3	2.8	2.5	2.5	-0.6	5.4	31		
32	Final sales to private domestic purchasers	3.5	3.4	2.4	2.7	3.3	2.1	-2.8	8.1	4.2	2.5	2.4	3.3	2.7	2.2	-0.9	6.4	32		
33	Gross national product	2.3	2.6	1.7	2.5	2.9	2.2	-3.1	5.7	2.4	1.9	2.2	3.0	2.0	2.4	-1.9	5.7	33		
34	Real disposable personal income	3.8	4.0	1.8	2.7	3.3	3.5	6.2	1.8	5.2	2.8	1.6	3.0	4.1	2.8	3.7	-0.4	34		
	<b>Price indexes:</b>																			
35	Gross domestic purchases	1.7	0.3	0.7	1.9	2.3	1.5	1.3	4.2	1.3	0.1	1.3	2.0	2.2	1.4	1.5	5.8	35		
36	Gross domestic purchases excluding food and energy <sup>2</sup>	1.8	1.0	1.1	1.8	2.3	1.7	1.4	3.9	1.6	0.7	1.5	1.9	2.3	1.4	1.7	5.3	36		
37	GDP	1.9	1.0	1.0	1.9	2.4	1.8	1.3	4.5	1.5	0.8	1.5	2.0	2.3	1.6	1.6	6.1	37		
38	GDP excluding food and energy <sup>2</sup>	2.0	1.2	1.3	1.9	2.5	1.9	1.5	4.1	1.7	1.0	1.7	2.0	2.5	1.7	1.7	5.5	38		
39	PCE	1.5	0.2	1.0	1.8	2.1	1.5	1.1	4.0	1.2	0.2	1.5	1.9	2.0	1.5	1.2	5.7	39		
40	PCE excluding food and energy <sup>2</sup>	1.6	1.3	1.6	1.7	2.0	1.7	1.3	3.5	1.5	1.1	1.8	1.7	2.0	1.6	1.4	4.7	40		
41	Market-based PCE <sup>3</sup>	1.1	-0.1	0.7	1.5	1.8	1.3	1.1	3.6	0.7	0.0	1.2	1.5	1.7	1.3	1.0	5.3	41		
42	Market-based PCE excluding food and energy <sup>2,3</sup>	1.1	1.0	1.3	1.2	1.6	1.5	1.3	2.9	1.1	1.1	1.4	1.2	1.7	1.5	1.3	4.1	42		

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

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

3. This index is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most implicit prices (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Note. Estimates under the *Percent change from the preceding year* columns are calculated from annual data. Estimates under the *Percent change from fourth quarter to fourth quarter* columns are calculated from fourth quarter values relative to the same quarter one year prior.

Source: U.S. Bureau of Economic Analysis

Table 6. Real Gross Domestic Product: Percent Change from Quarter One Year Ago

Line	2018																2019				2020				2021				2022			Line							
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																		
1	<b>Gross domestic product (GDP)</b>																				2.3	2.2	2.1	2.3	2.6	0.8	-8.4	-2.0	-1.5	1.2	12.5	5.0	5.7	3.7	1.8	1.9	1		
2	<b>Personal consumption expenditures (PCE)</b>																				2.5	1.9	1.8	2.0	2.2	0.5	-9.4	-1.7	-1.4	2.8	16.6	7.4	7.2	4.8	2.4	2.2	2		
3	Goods																				2.7	2.4	3.0	3.6	3.5	3.5	-0.7	9.2	8.6	14.9	21.5	6.6	7.1	1.3	-2.1	-0.2	3		
4	Durable goods																				3.7	2.1	2.9	4.2	5.7	3.5	1.4	18.2	16.2	31.4	34.6	5.9	7.0	-0.6	-3.7	2.2	4		
5	Nondurable goods																				2.2	2.6	3.1	3.3	2.4	3.5	-1.8	4.6	4.6	6.6	14.6	7.0	7.2	2.4	-1.1	-1.6	5		
6	Services																				2.4	1.7	1.3	1.3	1.6	-0.9	-13.2	-6.6	-5.8	-2.6	14.1	7.8	7.2	6.7	4.8	3.5	6		
7	<b>Gross private domestic investment</b>																				4.8	4.2	4.7	2.1	0.1	-2.1	-17.7	-3.8	2.4	2.3	21.2	5.6	8.6	11.6	7.2	1.9	7		
8	Fixed investment																				3.5	2.4	2.4	3.0	2.4	1.4	-8.3	-3.2	1.0	4.1	15.0	7.6	3.7	2.5	-0.2	-0.9	8		
9	Nonresidential																				5.7	3.9	3.8	3.9	2.6	-0.1	-9.7	-6.4	-3.5	0.8	12.5	7.6	5.0	4.8	2.4	3.8	9		
10	Structures																				1.7	-1.8	-0.3	4.7	6.6	5.5	-11.6	-17.4	-16.0	-14.8	-2.6	-1.7	-5.2	-6.6	-9.2	-8.4	10		
11	Equipment																				5.1	3.9	3.6	0.8	-3.1	-9.7	-20.0	-9.2	-2.7	5.8	23.2	9.4	4.7	6.0	2.0	5.2	11		
12	Intellectual property products																				9.3	8.0	6.9	7.3	6.9	8.0	3.5	4.0	3.8	5.6	11.4	10.9	10.8	9.7	8.8	8.6	12		
13	Residential																				-3.8	-3.0	-2.6	-0.3	2.0	6.8	-2.9	8.3	16.4	15.0	23.0	7.5	-0.3	-3.7	-7.2	-13.0	13		
14	Change in private inventories																				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
15	<b>Net exports of goods and services</b>																				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
16	Exports																				0.2	0.7	-0.4	0.9	0.8	-4.5	-24.0	-14.6	-10.0	-6.1	20.2	6.6	6.5	5.2	7.3	11.3	16		
17	Goods																				1.2	2.0	-2.0	0.6	-0.1	-2.4	-24.1	-9.8	-4.5	-3.8	27.2	5.6	5.1	3.4	6.3	11.7	17		
18	Services																				-1.8	-1.8	2.7	1.4	2.4	-8.3	-24.0	-23.0	-19.7	-10.5	7.9	8.8	9.3	9.1	9.6	10.4	18		
19	Imports																				3.3	2.8	2.8	1.0	-2.0	-5.5	-22.1	-8.4	0.4	5.7	30.5	13.3	10.1	12.7	11.2	7.4	19		
20	Goods																				3.5	2.4	2.3	0.2	-2.9	-4.9	-19.7	-3.6	5.3	10.3	32.0	10.6	8.4	10.7	9.5	7.0	20		
21	Services																				2.4	4.5	5.2	4.9	1.6	-8.0	-32.4	-28.0	-19.4	-14.2	23.4	28.0	18.8	24.2	20.5	9.5	21		
22	<b>Government consumption expenditures and gross investment</b>																				1.6	2.6	3.2	3.4	4.0	3.6	4.1	1.6	1.0	1.8	-0.7	0.7	0.5	-1.6	-1.3	-0.3	22		
23	Federal																				3.2	3.4	4.2	4.1	4.0	4.2	9.8	5.4	5.4	8.7	-0.2	0.8	0.4	-4.9	-4.0	-1.3	23		
24	National defense																				4.5	6.6	5.3	5.3	4.1	2.6	3.1	1.7	4.2	1.2	0.1	-1.0	-5.0	-4.9	-3.9	-2.0	24		
25	Nondefense																				1.4	-1.1	2.5	2.3	3.9	6.5	19.8	11.0	7.4	19.9	-0.6	3.3	8.2	-4.8	-4.1	-0.3	25		
26	State and local																				0.6	2.2	2.7	3.0	4.0	3.2	0.6	-0.7	-1.6	-2.3	-1.0	0.7	0.6	0.5	0.5	0.3	26		
27	<b>Addenda:</b>																																						
27	Gross domestic income (GDI) <sup>1</sup>																				2.9	2.5	2.6	1.7	2.1	1.5	-7.7	-3.0	0.1	0.7	11.1	6.5	4.1	3.8	2.8	1.8	27		
28	Average of GDP and GDI																				2.6	2.4	2.4	2.0	2.3	1.2	-8.0	-2.5	-0.7	0.9	11.8	5.7	4.9	3.7	2.3	1.9	28		
29	Final sales of domestic product																				2.1	1.8	1.7	2.5	3.0	1.5	-6.7	-1.9	-1.8	1.5	11.5	5.3	4.8	2.1	0.5	1.5	29		
30	Gross domestic purchases																				2.7	2.4	2.5	2.3	2.1	0.5	-8.5	-1.5	-0.3	2.6	13.9	5.9	6.2	4.8	2.5	1.7	30		
31	Final sales to domestic purchasers																				2.5	2.1	2.2	2.4	2.5	1.2	-6.9	-1.4	-0.6	2.9	13.0	6.2	5.4	3.3	1.3	1.2	31		
32	Final sales to private domestic purchasers																				2.7	2.0	1.9	2.2	2.2	0.7	-9.1	-2.0	-0.9	3.1	16.2	7.4	6.4	4.3	1.8	1.6	32		
33	Gross national product																				2.0	2.0	2.0	2.3	2.4	0.7	-8.8	-2.4	-1.9	0.9	12.2	4.7	5.7	3.6	2.0	1.9	33		
34	Real disposable personal income																				4.1	4.4	3.5	3.2	2.8	2.1	12.3	6.9	3.7	14.5	-4.4	-1.5	-0.4	-12.8	-5.6	-4.3	34		
35	<b>Price indexes:</b>																																						
35	Gross domestic purchases																				2.2	1.7	1.6	1.5	1.4	1.5	0.7	1.3	1.5	2.2	4.0	4.7	5.8	6.7	7.3	7.0	35		
36	Gross domestic purchases excluding food and energy <sup>2</sup>																				2.3	1.9	1.7	1.6	1.4	1.6	1.0	1.4	1.7	2.2	3.7	4.3	5.3	6.0	6.3	6.2	36		
37	GDP																				2.3	2.0	1.8	1.7	1.6	1.7	0.8	1.3	1.6	2.4	4.4	5.0	6.1	6.9	7.6	7.1	37		
38	GDP excluding food and energy <sup>2</sup>																				2.5	2.2	2.0	1.9	1.7	1.8	1.0	1.4	1.7	2.3	3.9	4.5	5.5	6.1	6.4	6.3	38		
39	PCE																				2.0	1.5	1.6	1.5	1.5	1.6	0.5	1.1	1.2	1.9	4.0	4.5	5.7	6.4	6.6	6.3	39		
40	PCE excluding food and energy <sup>2</sup>																				2.0	1.7	1.7	1.8	1.6	1.7	0.9	1.3	1.4	1.7	3.5	3.9	4.7	5.3	5.0	4.9	40		
41	Market-based PCE <sup>3</sup>																				1.7	1.3	1.3	1.2	1.3	1.4	0.6	1.1	1.0	1.7	3.4	4.0	5.3	6.3	6.9	6.7	41		
42	Market-based PCE excluding food and energy <sup>2,3</sup>																				1.7	1.6	1.5	1.6	1.5	1.5	1.1	1.4	1.3	1.5	2.7	3.2	4.1	5.0	5.0	5.2	42		

r Revised

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

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

3. This index is a supplemental measure that is based on household expenditures for which there are observable price measures. It excludes most implicit prices (for example, financial services furnished without payment) and the final consumption expenditures of nonprofit institutions serving households.

Source: U.S. Bureau of Economic Analysis

**Table 7. Relation of Gross Domestic Product, Gross National Product, and National Income**

[Billions of dollars]

Line		2019	2020	2021	Seasonally adjusted at annual rates					Line
					2021		2022			
					Q3	Q4	Q1	Q2	Q3 <sup>r</sup>	
1	<b>Gross domestic product (GDP)</b>	<b>21,381.0</b>	<b>21,060.5</b>	<b>23,315.1</b>	<b>23,550.4</b>	<b>24,349.1</b>	<b>24,740.5</b>	<b>25,248.5</b>	<b>25,723.9</b>	1
2	Plus: Income receipts from the rest of the world	1,172.2	971.3	1,087.0	1,106.8	1,120.9	1,147.1	1,231.3	1,292.1	2
3	Less: Income payments to the rest of the world	894.2	774.3	913.9	939.0	939.5	958.4	1,023.3	1,130.6	3
4	<b>Equals: Gross national product</b>	<b>21,659.0</b>	<b>21,257.4</b>	<b>23,488.2</b>	<b>23,718.3</b>	<b>24,530.6</b>	<b>24,929.2</b>	<b>25,456.4</b>	<b>25,885.4</b>	4
5	Less: Consumption of fixed capital	3,436.6	3,577.8	3,831.6	3,875.7	3,984.9	4,113.6	4,242.1	4,358.1	5
6	Less: Statistical discrepancy	-105.5	-214.9	-128.9	-133.5	-124.2	-277.0	-269.3	-120.8	6
7	<b>Equals: National income</b>	<b>18,327.9</b>	<b>17,894.6</b>	<b>19,785.5</b>	<b>19,976.1</b>	<b>20,669.9</b>	<b>21,092.6</b>	<b>21,483.6</b>	<b>21,648.1</b>	7
8	Compensation of employees	11,448.1	11,592.7	12,538.5	12,681.3	13,044.4	13,259.7	13,415.2	13,632.1	8
9	Wages and salaries	9,324.6	9,457.4	10,290.1	10,422.3	10,748.4	10,925.5	11,058.0	11,245.8	9
10	Supplements to wages and salaries	2,123.5	2,135.4	2,248.4	2,259.0	2,296.0	2,334.2	2,357.1	2,386.3	10
11	Proprietors' income with inventory valuation and capital consumption adjustments	1,601.4	1,643.1	1,753.6	1,792.7	1,789.8	1,811.4	1,835.4	1,863.5	11
12	Rental income of persons with capital consumption adjustment	698.2	719.8	723.8	722.7	739.6	744.9	775.9	794.9	12
13	Corporate profits with inventory valuation and capital consumption adjustments	2,402.2	2,260.1	2,771.1	2,843.5	2,865.9	2,869.6	3,001.3	3,000.0	13
14	Net interest and miscellaneous payments	571.2	665.8	644.1	622.0	621.5	630.2	608.2	515.7	14
15	Taxes on production and imports less subsidies	1,457.1	869.0	1,181.5	1,133.7	1,424.3	1,604.9	1,652.0	1,670.6	15
16	Business current transfer payments (net)	164.0	144.1	171.0	176.9	178.8	170.1	198.7	177.7	16
17	Current surplus of government enterprises	-14.2	-0.1	2.1	3.3	5.8	1.8	-3.0	-6.4	17
	<b>Addenda:</b>									
18	Gross domestic income (GDI)	21,486.5	21,275.4	23,444.0	23,683.9	24,473.3	25,017.5	25,517.8	25,844.7	18
19	Average of GDP and GDI	21,433.7	21,167.9	23,379.6	23,617.2	24,411.2	24,879.0	25,383.1	25,784.3	19
20	Statistical discrepancy as a percentage of GDP	-0.5	-1.0	-0.6	-0.6	-0.5	-1.1	-1.1	-0.5	20

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Source: U.S. Bureau of Economic Analysis



**Table 8. Personal Income and Its Disposition**

[Billions of dollars]

Line		2019	2020	2021	Seasonally adjusted at annual rates					Line
					2021		2022			
					Q3	Q4	Q1	Q2	Q3 <sup>r</sup>	
1	<b>Personal income<sup>1</sup></b>	<b>18,587.0</b>	<b>19,832.3</b>	<b>21,294.8</b>	<b>21,005.2</b>	<b>21,162.1</b>	<b>21,319.8</b>	<b>21,578.3</b>	<b>21,861.4</b>	1
2	Compensation of employees	11,448.1	11,592.7	12,538.5	12,681.3	13,044.4	13,259.7	13,415.2	13,632.1	2
3	Wages and salaries	9,324.6	9,457.4	10,290.1	10,422.3	10,748.4	10,925.5	11,058.0	11,245.8	3
4	Supplements to wages and salaries	2,123.5	2,135.4	2,248.4	2,259.0	2,296.0	2,334.2	2,357.1	2,386.3	4
5	Proprietors' income with inventory valuation and capital consumption adjustments	1,601.4	1,643.1	1,753.6	1,792.7	1,789.8	1,811.4	1,835.4	1,863.5	5
6	Farm	29.1	45.2	51.3	63.8	43.9	74.4	95.7	95.9	6
7	Nonfarm	1,572.3	1,597.9	1,702.2	1,728.9	1,745.9	1,737.0	1,739.7	1,767.6	7
8	Rental income of persons with capital consumption adjustment	698.2	719.8	723.8	722.7	739.6	744.9	775.9	794.9	8
9	Personal income receipts on assets	3,119.0	3,095.4	3,202.4	3,222.9	3,258.5	3,269.9	3,323.0	3,358.8	9
10	Personal interest income	1,658.1	1,647.3	1,658.6	1,655.7	1,657.5	1,670.8	1,708.6	1,738.1	10
11	Personal dividend income	1,460.9	1,448.1	1,543.9	1,567.3	1,601.0	1,599.1	1,614.4	1,620.7	11
12	Personal current transfer receipts	3,144.8	4,231.2	4,617.3	4,139.6	3,925.7	3,868.7	3,883.2	3,892.8	12
13	Less: Contributions for government social insurance, domestic	1,424.6	1,450.0	1,540.8	1,554.0	1,595.8	1,634.7	1,654.4	1,680.8	13
14	Less: Personal current taxes	2,198.4	2,236.4	2,661.7	2,693.2	2,806.1	3,145.5	3,188.5	3,229.2	14
15	<b>Equals: Disposable personal income</b>	<b>16,388.6</b>	<b>17,595.9</b>	<b>18,633.1</b>	<b>18,312.0</b>	<b>18,356.1</b>	<b>18,174.4</b>	<b>18,389.8</b>	<b>18,632.2</b>	15
16	Less: Personal outlays	14,942.0	14,603.6	16,389.8	16,643.0	17,019.0	17,389.5	17,798.7	18,124.5	16
17	<b>Equals: Personal saving</b>	<b>1,446.6</b>	<b>2,992.3</b>	<b>2,243.4</b>	<b>1,669.1</b>	<b>1,337.1</b>	<b>784.9</b>	<b>591.1</b>	<b>507.7</b>	17
18	Personal saving as a percentage of disposable personal income	8.8	17.0	12.0	9.1	7.3	4.3	3.2	2.7	18
<b>Addenda:</b>										
19	Personal income excluding current transfer receipts, billions of chained (2012) dollars <sup>2</sup>	14,046.9	14,036.8	14,424.3	14,491.6	14,589.6	14,507.5	14,453.7	14,522.8	19
20	Disposable personal income, billions of chained (2012) dollars <sup>2</sup>	14,907.8	15,831.6	16,115.7	15,734.4	15,537.3	15,108.8	15,021.2	15,059.1	20

r Revised

1. Personal income is also equal to national income less corporate profits with inventory valuation and capital consumption adjustments, taxes on production and imports less subsidies, contributions for government social insurance, net interest and miscellaneous payments, business current transfer payments (net), and current surplus of government enterprises, plus personal income receipts on assets, and personal current transfer receipts.

2. The current-dollar measure is deflated by the implicit price deflator for personal consumption expenditures.

Source: U.S. Bureau of Economic Analysis

Table 9. Corporate Profits: Level and Percent Change

Line		Billions of dollars								Percent change from preceding period						Line	
		2019	2020	2021	Seasonally adjusted at annual rates					2020	2021	Quarterly rates					Quarter one year ago 2022
					2021		2022					2021	2022				
					Q3	Q4	Q1	Q2	Q3 <sup>r</sup>				Q4	Q1	Q2		
1	<b>Corporate profits with inventory valuation and capital consumption adjustments</b>	<b>2,402.2</b>	<b>2,260.1</b>	<b>2,771.1</b>	<b>2,843.5</b>	<b>2,865.9</b>	<b>2,869.6</b>	<b>3,001.3</b>	<b>3,000.0</b>	<b>-5.9</b>	<b>22.6</b>	<b>0.8</b>	<b>0.1</b>	<b>4.6</b>	<b>0.0</b>	<b>5.5</b>	1
2	Less: Taxes on corporate income	297.4	288.9	388.2	387.1	430.0	495.1	478.7	457.0	-2.9	34.4	11.1	15.1	-3.3	-4.5	18.1	2
3	<b>Equals: Profits after tax with inventory valuation and capital consumption adjustments</b>	<b>2,104.7</b>	<b>1,971.2</b>	<b>2,382.8</b>	<b>2,456.4</b>	<b>2,435.9</b>	<b>2,374.6</b>	<b>2,522.6</b>	<b>2,543.0</b>	<b>-6.3</b>	<b>20.9</b>	<b>-0.8</b>	<b>-2.5</b>	<b>6.2</b>	<b>0.8</b>	<b>3.5</b>	3
4	Net dividends	1,531.2	1,541.3	1,659.3	1,693.8	1,730.2	1,743.6	1,740.4	1,683.9	0.7	7.7	2.1	0.8	-0.2	-3.2	-0.6	4
5	Undistributed profits with inventory valuation and capital consumption adjustments	573.5	429.9	723.6	762.6	705.7	631.0	782.2	859.0	-25.0	68.3	-7.5	-10.6	24.0	9.8	12.6	5
	<b>Addenda for corporate cash flow:</b>																
6	<b>Net cash flow with inventory valuation adjustment</b>	<b>2,467.3</b>	<b>2,374.7</b>	<b>2,778.9</b>	<b>2,797.2</b>	<b>2,852.1</b>	<b>2,837.6</b>	<b>2,954.0</b>	<b>3,135.6</b>	<b>-3.8</b>	<b>17.0</b>	<b>2.0</b>	<b>-0.5</b>	<b>4.1</b>	<b>6.1</b>	<b>12.1</b>	6
7	Undistributed profits with inventory valuation and capital consumption adjustments	573.5	429.9	723.6	762.6	705.7	631.0	782.2	859.0	-25.0	68.3	-7.5	-10.6	24.0	9.8	12.6	7
8	Consumption of fixed capital	1,881.3	1,958.5	2,068.2	2,087.4	2,146.1	2,206.2	2,275.6	2,343.3	4.1	5.6	2.8	2.8	3.1	3.0	12.3	8
9	Less: Capital transfers paid (net)	-12.4	13.6	12.8	52.8	-0.3	-0.4	103.7	66.8	.....	.....	.....	.....	.....	.....	.....	9
	<b>Addenda:</b>																
10	Profits before tax (without inventory valuation and capital consumption adjustments)	2,304.8	2,399.8	3,138.1	3,214.2	3,190.7	3,328.5	3,521.8	3,347.8	4.1	30.8	-0.7	4.3	5.8	-4.9	4.2	10
11	Profits after tax (without inventory valuation and capital consumption adjustments)	2,007.4	2,110.9	2,749.8	2,827.1	2,760.8	2,833.4	3,043.1	2,890.8	5.2	30.3	-2.3	2.6	7.4	-5.0	2.3	11
12	Inventory valuation adjustment	1.4	-26.4	-256.9	-262.4	-189.4	-246.9	-269.1	-59.8	.....	.....	.....	.....	.....	.....	.....	12
13	Capital consumption adjustment	95.9	-113.4	-110.1	-108.3	-135.5	-212.0	-251.4	-288.0	.....	.....	.....	.....	.....	.....	.....	13

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Source: U.S. Bureau of Economic Analysis

Table 10. Corporate Profits by Industry: Level and Change from Preceding Period

[Billions of dollars]																
Line		Level								Change from preceding period						Line
		2019	2020	2021	Seasonally adjusted at annual rates					2020	2021	2022				
					2021		2022					Q4	Q1	Q2	Q3 <sup>r</sup>	
					Q3	Q4	Q1	Q2	Q3 <sup>r</sup>							
1	<b>Corporate profits with inventory valuation and capital consumption adjustments</b>	<b>2,402.2</b>	<b>2,260.1</b>	<b>2,771.1</b>	<b>2,843.5</b>	<b>2,865.9</b>	<b>2,869.6</b>	<b>3,001.3</b>	<b>3,000.0</b>	<b>-142.1</b>	<b>511.0</b>	<b>22.4</b>	<b>3.7</b>	<b>131.6</b>	<b>-1.3</b>	1
2	<b>Domestic industries</b>	<b>1,873.4</b>	<b>1,830.5</b>	<b>2,358.7</b>	<b>2,431.8</b>	<b>2,443.2</b>	<b>2,432.7</b>	<b>2,538.9</b>	<b>2,553.2</b>	<b>-43.0</b>	<b>528.2</b>	<b>11.4</b>	<b>-10.4</b>	<b>106.2</b>	<b>14.3</b>	2
3	Financial	517.1	443.2	512.2	535.6	537.1	510.3	464.3	462.5	-73.9	69.0	1.6	-26.8	-46.0	-1.8	3
4	Nonfinancial	1,356.4	1,387.3	1,846.5	1,896.2	1,906.0	1,922.4	2,074.6	2,090.7	30.9	459.2	9.8	16.4	152.2	16.1	4
5	<b>Rest of the world</b>	<b>528.7</b>	<b>429.6</b>	<b>412.4</b>	<b>411.7</b>	<b>422.7</b>	<b>436.9</b>	<b>462.3</b>	<b>446.8</b>	<b>-99.1</b>	<b>-17.3</b>	<b>11.0</b>	<b>14.2</b>	<b>25.5</b>	<b>-15.5</b>	5
6	Receipts from the rest of the world	879.3	744.6	869.4	887.2	895.0	912.1	968.2	969.1	-134.7	124.8	7.8	17.1	56.1	1.0	6
7	Less: Payments to the rest of the world	350.5	315.0	457.0	475.5	472.3	475.2	505.8	522.3	-35.6	142.1	-3.2	2.9	30.6	16.5	7
8	<b>Corporate profits with inventory valuation adjustment</b>	<b>2,306.2</b>	<b>2,373.5</b>	<b>2,881.2</b>	<b>2,951.8</b>	<b>3,001.4</b>	<b>3,081.6</b>	<b>3,252.7</b>	<b>3,288.0</b>	<b>67.2</b>	<b>507.7</b>	<b>49.5</b>	<b>80.2</b>	<b>171.1</b>	<b>35.3</b>	8
9	<b>Domestic industries</b>	<b>1,777.5</b>	<b>1,943.8</b>	<b>2,468.8</b>	<b>2,540.1</b>	<b>2,578.6</b>	<b>2,644.7</b>	<b>2,790.4</b>	<b>2,841.2</b>	<b>166.3</b>	<b>525.0</b>	<b>38.5</b>	<b>66.1</b>	<b>145.6</b>	<b>50.8</b>	9
10	Financial	540.9	514.6	585.0	608.3	613.6	593.4	552.4	555.8	-26.3	70.4	5.3	-20.2	-41.0	3.4	10
11	Federal Reserve banks	63.2	89.7	113.1	128.4	128.5	142.7	130.7	42.5	26.5	23.4	0.1	14.1	-12.0	-88.1	11
12	Other financial	477.6	424.9	471.8	479.9	485.1	450.7	421.8	513.3	-52.8	47.0	5.1	-34.3	-29.0	91.5	12
13	Nonfinancial	1,236.7	1,429.2	1,883.9	1,931.8	1,965.0	2,051.3	2,237.9	2,285.3	192.6	454.6	33.2	86.3	186.6	47.4	13
14	Utilities	17.6	25.6	23.6	24.6	23.6	26.2	27.9	36.0	8.0	-2.0	-1.0	2.6	1.7	8.1	14
15	Manufacturing	351.5	329.5	447.0	457.7	514.9	548.1	616.9	635.7	-22.0	117.5	57.2	33.2	68.7	18.9	15
16	Durable goods	194.9	207.6	275.2	285.2	292.9	332.7	359.9	358.3	12.7	67.6	7.7	39.8	27.1	-1.5	16
17	Fabricated metal products	25.5	26.9	27.6	27.0	30.9	42.0	44.0	48.1	1.4	0.7	3.9	11.1	2.0	4.1	17
18	Machinery	27.0	30.5	30.5	30.9	29.7	38.7	46.1	53.3	3.5	0.0	-1.2	9.0	7.3	7.2	18
19	Computer and electronic products	68.2	78.6	104.0	101.0	102.0	112.0	108.8	97.1	10.4	25.4	0.9	10.1	-3.2	-11.7	19
20	Electrical equipment, appliances, and components	6.8	8.2	6.7	7.3	5.0	7.7	8.7	10.1	1.4	-1.5	-2.4	2.7	1.0	1.4	20
21	Motor vehicles, bodies and trailers, and parts	0.9	0.5	4.4	4.1	12.4	19.1	26.7	32.3	-0.4	3.9	8.4	6.7	7.6	5.6	21
22	Other durable goods	66.6	63.0	102.0	114.8	112.9	113.2	125.5	117.4	-3.6	39.0	-1.9	0.3	12.4	-8.1	22
23	Nondurable goods	156.6	121.9	171.8	172.5	222.0	215.4	257.0	277.4	-34.7	49.9	49.4	-6.6	41.6	20.4	23
24	Food and beverage and tobacco products	55.2	69.0	68.2	64.2	67.1	55.2	58.6	65.8	13.9	-0.8	2.9	-11.8	3.4	7.2	24
25	Petroleum and coal products	3.4	-48.6	-6.7	-5.2	10.1	11.3	49.7	67.1	-52.0	41.9	15.3	1.2	38.4	17.4	25
26	Chemical products	66.1	66.7	76.8	82.8	106.2	102.3	99.4	98.2	0.7	10.1	23.4	-3.8	-3.0	-1.2	26
27	Other nondurable goods	32.0	34.7	33.5	30.8	38.6	46.5	49.3	46.3	2.7	-1.2	7.8	7.9	2.8	-3.0	27
28	Wholesale trade	123.3	142.2	159.3	170.3	176.0	190.3	184.9	229.8	19.0	17.1	5.7	14.3	-5.4	44.9	28
29	Retail trade	155.6	230.2	311.3	301.5	298.5	297.3	307.4	312.0	74.5	81.2	-3.1	-1.2	10.2	4.6	29
30	Transportation and warehousing	37.4	38.0	93.8	94.9	96.8	89.4	124.4	121.6	0.5	55.8	1.9	-7.4	35.0	-2.7	30
31	Information	133.2	138.7	159.2	159.2	159.4	161.7	151.8	152.4	5.5	20.4	0.3	2.2	-9.9	0.6	31
32	Other nonfinancial	418.0	525.1	689.7	723.5	695.8	738.3	824.6	797.8	107.1	164.6	-27.7	42.5	86.3	-26.8	32
33	<b>Rest of the world</b>	<b>528.7</b>	<b>429.6</b>	<b>412.4</b>	<b>411.7</b>	<b>422.7</b>	<b>436.9</b>	<b>462.3</b>	<b>446.8</b>	<b>-99.1</b>	<b>-17.3</b>	<b>11.0</b>	<b>14.2</b>	<b>25.5</b>	<b>-15.5</b>	33

r Revised

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

Source: U.S. Bureau of Economic Analysis

Table 11. Gross Value Added of Nonfinancial Domestic Corporate Business

Line		2019	2020	2021	Seasonally adjusted at annual rates					Line
					2021		2022			
					Q3	Q4	Q1	Q2	Q3 <sup>r</sup>	
<b>Billions of dollars</b>										
1	<b>Gross value added of nonfinancial corporate business</b>	<b>10,641.4</b>	<b>10,351.0</b>	<b>11,774.6</b>	<b>11,954.8</b>	<b>12,362.0</b>	<b>12,684.9</b>	<b>13,046.1</b>	<b>13,245.1</b>	1
2	Consumption of fixed capital	1,645.6	1,709.3	1,801.3	1,816.9	1,867.2	1,921.6	1,982.0	2,040.5	2
3	<b>Net value added</b>	<b>8,995.9</b>	<b>8,641.7</b>	<b>9,973.3</b>	<b>10,137.9</b>	<b>10,494.7</b>	<b>10,763.3</b>	<b>11,064.0</b>	<b>11,204.6</b>	3
4	Compensation of employees	6,317.5	6,327.8	6,955.6	7,063.0	7,295.2	7,432.5	7,550.8	7,683.7	4
5	Wages and salaries	5,301.2	5,329.1	5,888.2	5,990.2	6,202.2	6,314.4	6,420.1	6,538.7	5
6	Supplements to wages and salaries	1,016.2	998.7	1,067.4	1,072.8	1,093.0	1,118.1	1,130.7	1,145.0	6
7	Taxes on production and imports less subsidies	933.6	550.3	789.2	798.5	914.7	1,024.1	1,060.0	1,071.4	7
8	Net operating surplus	1,744.8	1,763.5	2,228.6	2,276.4	2,284.8	2,306.7	2,453.2	2,449.5	8
9	Net interest and miscellaneous payments	296.3	287.9	285.4	285.9	287.2	292.4	287.7	268.3	9
10	Business current transfer payments (net)	92.2	88.3	96.6	94.3	91.5	92.0	90.9	90.5	10
11	Corporate profits with inventory valuation and capital consumption adjustments	1,356.4	1,387.3	1,846.5	1,896.2	1,906.0	1,922.4	2,074.6	2,090.7	11
12	Taxes on corporate income	196.6	204.0	280.9	275.6	314.9	395.9	399.7	358.9	12
13	Profits after tax with inventory valuation and capital consumption adjustments	1,159.8	1,183.3	1,565.6	1,620.6	1,591.2	1,526.5	1,674.9	1,731.8	13
14	Net dividends	628.3	850.2	1,042.2	998.3	1,126.5	960.4	939.8	831.1	14
15	Undistributed profits with inventory valuation and capital consumption adjustments	531.5	333.1	523.5	622.3	464.7	566.1	735.1	900.7	15
<b>Addenda:</b>										
16	Profits before tax (without inventory valuation and capital consumption adjustments)	1,235.2	1,455.6	2,140.7	2,194.2	2,154.4	2,298.2	2,507.0	2,345.2	16
17	Profits after tax (without inventory valuation and capital consumption adjustments)	1,038.6	1,251.6	1,859.8	1,918.6	1,839.6	1,902.3	2,107.3	1,986.3	17
18	Inventory valuation adjustment	1.4	-26.4	-256.9	-262.4	-189.4	-246.9	-269.1	-59.8	18
19	Capital consumption adjustment	119.7	-41.9	-37.3	-35.6	-59.0	-128.9	-163.3	-194.7	19
<b>Billions of chained (2012) dollars</b>										
20	<b>Gross value added of nonfinancial corporate business<sup>1</sup></b>	<b>9,596.6</b>	<b>9,210.3</b>	<b>9,976.6</b>	<b>10,035.0</b>	<b>10,165.8</b>	<b>10,134.7</b>	<b>10,119.7</b>	<b>10,166.7</b>	20
21	Consumption of fixed capital <sup>2</sup>	1,576.4	1,622.4	1,668.5	1,675.8	1,695.1	1,719.4	1,748.3	1,777.0	21
22	Net value added <sup>3</sup>	8,020.1	7,587.8	8,308.2	8,359.2	8,470.8	8,415.3	8,371.4	8,389.7	22
<b>Dollars; quarters seasonally adjusted</b>										
<b>Price, costs, and profits per unit of real gross value added of nonfinancial corporate business:</b>										
23	<b>Price per unit of real gross value added of nonfinancial corporate business<sup>4</sup></b>	<b>1.109</b>	<b>1.124</b>	<b>1.180</b>	<b>1.191</b>	<b>1.216</b>	<b>1.252</b>	<b>1.289</b>	<b>1.303</b>	23
24	Compensation of employees (unit labor cost)	0.658	0.687	0.697	0.704	0.718	0.733	0.746	0.756	24
25	Unit nonlabor cost	0.309	0.286	0.298	0.299	0.311	0.329	0.338	0.341	25
26	Consumption of fixed capital	0.171	0.186	0.181	0.181	0.184	0.190	0.196	0.201	26
27	Taxes on production and imports less subsidies plus business current transfer payments (net)	0.107	0.069	0.089	0.089	0.099	0.110	0.114	0.114	27
28	Net interest and miscellaneous payments	0.031	0.031	0.029	0.028	0.028	0.029	0.028	0.026	28
29	Corporate profits with inventory valuation and capital consumption adjustments (unit profits from current production)	0.141	0.151	0.185	0.189	0.187	0.190	0.205	0.206	29
30	Taxes on corporate income	0.020	0.022	0.028	0.027	0.031	0.039	0.039	0.035	30
31	Profits after tax with inventory valuation and capital consumption adjustments	0.121	0.128	0.157	0.161	0.157	0.151	0.166	0.170	31

r Revised

1. 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.

2. 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.

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

4. The deflator for gross value added of nonfinancial corporate business divided by 100.

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

Source: U.S. Bureau of Economic Analysis

Table 12. Real Gross Domestic Product by Industry Group: Percent Change from Preceding Period

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line	
					2018	2019				2020				2021				2022			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3
1	<b>Gross domestic product</b>	<b>2.3</b>	<b>-2.8</b>	<b>5.9</b>	<b>0.7</b>	<b>2.2</b>	<b>2.7</b>	<b>3.6</b>	<b>1.8</b>	<b>-4.6</b>	<b>-29.9</b>	<b>35.3</b>	<b>3.9</b>	<b>6.3</b>	<b>7.0</b>	<b>2.7</b>	<b>7.0</b>	<b>-1.6</b>	<b>-0.6</b>	<b>3.2</b>	1
2	<b>Private industries</b>	<b>2.5</b>	<b>-3.1</b>	<b>6.7</b>	<b>0.9</b>	<b>2.9</b>	<b>2.6</b>	<b>3.8</b>	<b>1.4</b>	<b>-5.4</b>	<b>-32.1</b>	<b>40.2</b>	<b>4.4</b>	<b>7.4</b>	<b>7.5</b>	<b>2.4</b>	<b>7.9</b>	<b>-2.0</b>	<b>-0.6</b>	<b>3.6</b>	2
3	Agriculture, forestry, fishing, and hunting	-5.9	2.8	-8.5	5.9	-23.8	2.2	-5.1	-4.2	44.3	-40.3	42.5	1.3	-25.9	-12.0	-4.7	4.4	0.1	-12.8	-1.7	3
4	Mining	12.6	-1.1	-16.3	10.3	29.0	9.3	15.4	-2.5	26.9	-34.6	-3.8	-9.5	-9.4	-33.4	-13.7	-13.4	-13.7	-0.2	27.0	4
5	Utilities	0.4	3.6	-4.1	0.1	-6.9	21.1	-10.6	22.5	0.7	0.8	3.3	-10.9	-8.3	8.6	-9.9	-7.9	8.2	1.0	-16.0	5
6	Construction	1.4	-3.8	2.5	-0.9	5.9	0.2	1.4	-2.2	-4.0	-28.9	27.6	10.2	5.9	4.1	-11.9	-13.2	-1.6	-19.2	-17.8	6
7	Manufacturing	1.6	-4.5	6.7	4.4	-4.2	4.6	5.5	-1.6	-8.8	-38.5	60.9	0.6	9.0	6.3	-4.4	14.2	-3.1	-8.5	0.5	7
8	Durable goods	0.8	-4.5	9.7	3.9	-0.5	0.3	-0.3	-2.1	-6.6	-42.4	79.5	4.9	13.9	8.5	-7.7	15.8	1.2	-4.1	-0.5	8
9	Nondurable goods	2.7	-4.5	3.0	4.9	-8.7	10.2	13.5	-1.0	-11.4	-33.0	39.5	-4.7	3.3	3.8	0.0	12.3	-8.0	-13.4	1.6	9
10	Wholesale trade	-0.5	0.0	5.5	-1.6	2.4	-7.7	3.2	1.6	6.3	-30.3	47.7	1.6	8.5	5.5	-6.7	6.6	0.2	-6.8	6.1	10
11	Retail trade	2.1	-2.9	2.6	-5.2	6.3	1.1	5.8	-0.3	-6.9	-31.3	51.0	-0.8	16.8	-12.3	-13.8	7.0	-14.8	1.4	6.8	11
12	Transportation and warehousing	1.0	-12.0	7.5	3.0	-0.9	1.1	4.0	-5.1	-8.9	-61.3	73.5	8.5	16.2	-6.4	18.0	8.0	-10.7	2.4	10.9	12
13	Information	5.9	3.9	13.9	2.0	4.9	9.1	6.4	4.6	-1.2	-5.3	25.9	2.0	16.9	24.4	9.5	16.3	-2.3	1.5	17.3	13
14	Finance, insurance, real estate, rental, and leasing	2.6	-0.1	4.8	-3.2	5.8	2.7	2.5	4.5	-7.8	-4.7	10.6	4.9	4.2	4.5	3.8	8.1	-1.1	1.9	1.1	14
15	Finance and insurance	3.3	2.7	7.2	-11.9	12.6	3.8	1.0	14.0	-16.7	12.1	11.2	16.0	1.0	6.2	2.0	9.2	-5.7	2.1	-2.7	15
16	Real estate and rental and leasing	2.1	-1.8	3.2	2.7	1.9	2.0	3.4	-0.9	-1.8	-14.0	10.2	-1.8	6.3	3.3	5.0	7.5	2.0	1.8	3.5	16
17	Professional and business services	4.3	-1.2	11.7	4.2	5.0	3.0	4.5	1.5	-0.5	-27.4	28.7	11.9	12.6	14.8	12.1	13.6	3.3	4.2	5.7	17
18	Professional, scientific, and technical services	4.3	-0.1	11.1	2.7	5.2	3.6	6.4	1.8	0.8	-23.4	26.9	5.8	11.8	17.5	14.7	10.3	0.4	3.3	7.8	18
19	Management of companies and enterprises	7.2	1.7	10.9	5.7	13.2	3.3	0.4	3.0	-1.8	-7.5	7.6	33.2	3.8	16.3	-3.2	20.7	0.9	8.1	4.6	19
20	Administrative and waste management services	2.6	-5.6	13.6	7.2	-0.3	1.3	2.3	-0.1	-3.0	-46.1	50.5	15.9	20.6	7.4	15.6	17.5	12.0	4.1	1.4	20
21	Educational services, health care, and social assistance	2.9	-2.9	4.6	2.9	3.7	3.0	2.7	1.7	-2.0	-42.7	71.1	4.8	-3.1	3.2	3.0	5.5	3.1	2.7	5.5	21
22	Educational services	2.5	-9.9	3.3	5.1	2.8	3.4	0.2	-4.8	-8.2	-38.6	19.9	-11.8	12.1	11.0	11.4	5.3	5.1	-4.1	5.6	22
23	Health care and social assistance	3.0	-1.7	4.8	2.5	3.9	3.0	3.2	2.8	-0.9	-43.4	81.2	7.5	-5.1	2.1	1.8	5.6	2.8	3.8	5.4	23
24	Arts, entertainment, recreation, accommodation, and food services	1.9	-27.6	28.3	4.1	-0.8	2.0	6.8	-4.3	-33.6	-90.2	346.4	8.3	29.8	76.8	28.5	9.5	-8.8	10.6	7.3	24
25	Arts, entertainment, and recreation	0.9	-36.0	35.2	-1.8	-2.0	0.1	9.6	1.6	-40.6	-95.3	295.7	70.1	65.5	29.2	61.6	33.7	-0.8	19.2	26.1	25
26	Accommodation and food services	2.2	-24.6	26.2	6.3	-0.4	2.6	5.8	-6.4	-30.9	-87.6	361.9	-5.1	20.2	95.0	19.7	2.6	-11.4	7.9	1.4	26
27	Other services, except government	0.3	-9.9	5.4	1.4	-3.3	-0.3	5.5	1.0	-11.7	-56.6	74.2	4.6	-6.1	17.8	10.9	3.2	2.0	1.2	2.5	27
28	<b>Government</b>	<b>0.6</b>	<b>-0.4</b>	<b>0.5</b>	<b>-0.5</b>	<b>-2.5</b>	<b>3.5</b>	<b>1.7</b>	<b>5.2</b>	<b>1.7</b>	<b>-14.4</b>	<b>6.1</b>	<b>0.3</b>	<b>-1.1</b>	<b>2.4</b>	<b>4.4</b>	<b>-0.2</b>	<b>1.8</b>	<b>-0.2</b>	<b>0.6</b>	28
29	Federal	0.7	3.1	1.0	-1.5	-3.8	7.6	2.3	2.2	2.7	3.8	5.3	-1.4	1.2	0.8	0.0	-1.2	0.4	-0.5	-1.5	29
30	State and local	0.5	-1.9	0.3	0.0	-1.8	1.6	1.4	6.6	1.2	-21.5	6.5	1.1	-2.1	3.2	6.4	0.3	2.5	-0.1	1.6	30
	<b>Addenda:</b>																				
31	Private goods-producing industries <sup>1</sup>	2.1	-3.8	3.1	3.7	-0.4	3.7	4.7	-2.1	-3.4	-36.1	46.3	1.9	4.8	1.4	-6.6	4.4	-3.7	-10.4	-1.3	31
32	Private services-producing industries <sup>2</sup>	2.7	-3.0	7.6	0.2	3.8	2.4	3.6	2.3	-5.9	-31.1	38.8	5.1	8.0	9.0	4.7	8.7	-1.6	2.0	4.9	32

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.

Source: U.S. Bureau of Economic Analysis

Table 13. Contributions to Percent Change in Real Gross Domestic Product by Industry Group

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line			
					2018	2019				2020				2021				2022					
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3		
	Percent change at annual rate:																						
1	<b>Gross domestic product</b>	<b>2.3</b>	<b>-2.8</b>	<b>5.9</b>	<b>0.7</b>	<b>2.2</b>	<b>2.7</b>	<b>3.6</b>	<b>1.8</b>	<b>-4.6</b>	<b>-29.9</b>	<b>35.3</b>	<b>3.9</b>	<b>6.3</b>	<b>7.0</b>	<b>2.7</b>	<b>7.0</b>	<b>-1.6</b>	<b>-0.6</b>	<b>3.2</b>			<b>1</b>
	Percentage points at annual rates:																						
2	<b>Private industries</b>	<b>2.23</b>	<b>-2.76</b>	<b>5.83</b>	<b>0.78</b>	<b>2.55</b>	<b>2.27</b>	<b>3.29</b>	<b>1.13</b>	<b>-4.80</b>	<b>-28.34</b>	<b>34.25</b>	<b>3.88</b>	<b>6.47</b>	<b>6.59</b>	<b>2.14</b>	<b>6.90</b>	<b>-1.80</b>	<b>-0.57</b>	<b>3.17</b>			<b>2</b>
3	Agriculture, forestry, fishing, and hunting	-0.05	0.02	-0.08	0.05	-0.21	0.03	-0.02	0.00	0.37	-0.31	0.30	-0.01	-0.29	-0.14	-0.07	0.03	0.00	-0.15	-0.02			3
4	Mining	0.18	-0.02	-0.21	0.22	0.47	0.16	0.19	-0.12	0.17	-0.33	0.09	0.14	0.34	-0.11	0.12	-0.03	-0.25	0.00	0.50			4
5	Utilities	0.01	0.06	-0.07	0.00	-0.11	0.32	-0.15	0.37	0.03	0.04	0.10	-0.15	-0.10	0.17	-0.15	-0.12	0.13	0.02	-0.31			5
6	Construction	0.06	-0.16	0.10	-0.05	0.24	-0.01	0.05	-0.09	-0.16	-1.24	1.20	0.40	0.22	0.15	-0.53	-0.57	-0.06	-0.84	-0.77			6
7	Manufacturing	0.18	-0.50	0.71	0.36	-0.63	0.33	0.46	-0.34	-1.14	-4.47	5.77	0.04	0.96	0.69	-0.47	1.47	-0.34	-0.97	0.06			7
8	Durable goods	0.05	-0.28	0.57	0.22	-0.06	0.00	-0.01	-0.09	-0.38	-2.80	4.04	0.20	0.67	0.40	-0.54	0.86	0.07	-0.25	-0.03			8
9	Nondurable goods	0.13	-0.22	0.14	0.14	-0.58	0.32	0.47	-0.25	-0.76	-1.68	1.74	-0.16	0.29	0.29	0.07	0.61	-0.41	-0.72	0.08			9
10	Wholesale trade	-0.03	0.00	0.34	0.00	0.28	-0.40	0.16	-0.03	0.17	-1.93	2.61	0.04	0.48	0.32	-0.45	0.40	0.01	-0.45	0.38			10
11	Retail trade	0.12	-0.16	0.15	-0.29	0.34	0.04	0.30	-0.06	-0.40	-1.77	2.81	0.00	1.00	-0.74	-0.86	0.43	-0.93	0.08	0.39			11
12	Transportation and warehousing	0.03	-0.38	0.21	0.10	-0.01	0.06	0.14	-0.16	-0.27	-2.29	1.68	0.18	0.36	-0.23	0.45	0.23	-0.35	0.07	0.33			12
13	Information	0.30	0.21	0.75	0.10	0.25	0.48	0.34	0.24	-0.04	-0.24	1.50	0.10	0.87	1.23	0.50	0.86	-0.13	0.08	0.88			13
14	Finance, insurance, real estate, rental, and leasing	0.54	-0.01	1.02	-0.67	1.15	0.60	0.62	1.15	-1.46	-0.61	2.64	0.95	0.70	0.81	0.69	1.62	-0.23	0.39	0.22			14
15	Finance and insurance	0.26	0.22	0.61	-0.99	0.93	0.36	0.15	1.25	-1.27	1.12	1.16	1.25	0.01	0.46	0.13	0.73	-0.48	0.17	-0.21			15
16	Real estate and rental and leasing	0.28	-0.23	0.42	0.32	0.21	0.24	0.47	-0.10	-0.20	-1.73	1.48	-0.30	0.69	0.35	0.56	0.89	0.25	0.22	0.43			16
17	Professional and business services	0.54	-0.15	1.47	0.50	0.60	0.36	0.58	0.19	-0.06	-3.51	3.78	1.43	1.49	1.77	1.45	1.68	0.43	0.54	0.72			17
18	Professional, scientific, and technical services	0.32	-0.01	0.85	0.19	0.38	0.27	0.51	0.15	0.08	-1.79	2.17	0.40	0.81	1.22	1.04	0.78	0.03	0.26	0.59			18
19	Management of companies and enterprises	0.13	0.03	0.21	0.10	0.24	0.06	0.00	0.06	-0.04	-0.13	0.16	0.56	0.07	0.29	-0.07	0.36	0.02	0.15	0.08			19
20	Administrative and waste management services	0.08	-0.18	0.41	0.22	-0.02	0.03	0.06	-0.02	-0.10	-1.58	1.45	0.48	0.62	0.25	0.47	0.54	0.38	0.14	0.05			20
21	Educational services, health care, and social assistance	0.25	-0.25	0.40	0.25	0.33	0.27	0.23	0.14	-0.19	-4.10	5.54	0.43	-0.28	0.29	0.26	0.47	0.26	0.23	0.45			21
22	Educational services	0.03	-0.13	0.04	0.07	0.04	0.04	0.00	-0.06	-0.10	-0.51	0.25	-0.15	0.13	0.12	0.12	0.06	0.06	-0.05	0.06			22
23	Health care and social assistance	0.22	-0.13	0.36	0.19	0.29	0.22	0.23	0.20	-0.09	-3.59	5.28	0.58	-0.40	0.17	0.14	0.41	0.20	0.27	0.39			23
24	Arts, entertainment, recreation, accommodation, and food services	0.08	-1.19	0.91	0.17	-0.05	0.07	0.28	-0.19	-1.56	-6.15	4.96	0.25	0.86	2.06	0.98	0.38	-0.38	0.41	0.29			24
25	Arts, entertainment, and recreation	0.01	-0.41	0.26	-0.02	-0.03	0.00	0.12	0.03	-0.50	-1.96	1.01	0.40	0.41	0.23	0.45	0.30	-0.01	0.18	0.25			25
26	Accommodation and food services	0.07	-0.78	0.65	0.20	-0.02	0.07	0.16	-0.23	-1.06	-4.19	3.95	-0.15	0.45	1.83	0.53	0.08	-0.37	0.23	0.04			26
27	Other services, except government	0.01	-0.21	0.11	0.02	-0.09	-0.02	0.11	0.01	-0.25	-1.43	1.28	0.08	-0.14	0.32	0.20	0.06	0.04	0.03	0.05			27
28	<b>Government</b>	<b>0.07</b>	<b>-0.04</b>	<b>0.07</b>	<b>-0.06</b>	<b>-0.30</b>	<b>0.45</b>	<b>0.25</b>	<b>0.71</b>	<b>0.24</b>	<b>-1.66</b>	<b>0.92</b>	<b>0.05</b>	<b>-0.13</b>	<b>0.30</b>	<b>0.51</b>	<b>-0.02</b>	<b>0.21</b>	<b>-0.03</b>	<b>0.08</b>			<b>28</b>
29	Federal	0.03	0.12	0.04	-0.05	-0.14	0.31	0.10	0.09	0.11	0.17	0.26	-0.05	0.05	0.03	0.00	-0.04	0.01	-0.02	-0.05			29
30	State and local	0.05	-0.16	0.03	0.00	-0.16	0.15	0.15	0.62	0.12	-1.82	0.67	0.10	-0.18	0.27	0.51	0.02	0.20	-0.01	0.13			30
	<b>Addenda:</b>																						
31	Private goods-producing industries <sup>1</sup>	0.37	-0.66	0.53	0.58	-0.13	0.51	0.69	-0.55	-0.76	-6.35	7.36	0.57	1.23	0.59	-0.95	0.90	-0.65	-1.96	-0.23			31
32	Private services-producing industries <sup>2</sup>	1.85	-2.10	5.30	0.19	2.68	1.77	2.60	1.67	-4.04	-21.99	26.89	3.31	5.24	6.00	3.08	6.01	-1.15	1.40	3.40			32

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.

Note. Percentage-point contributions do not sum to the percent change in real gross domestic product because the industry details are calculated using source data and methodologies that differ from those used to calculate growth in the top-line, expenditure-based measure of real GDP.

Source: U.S. Bureau of Economic Analysis

Table 14. Gross Domestic Product by Industry Group: Level and Change from Preceding Period

Line		Billions of dollars						Billions of chained (2012) dollars									Line
		2021	Seasonally adjusted at annual rates					2021	Seasonally adjusted at annual rates					Change from preceding period			
			2021		2022				2021		2022			2021	2022		
			Q3	Q4	Q1	Q2	Q3		Q3	Q4	Q1	Q2	Q3		Q2	Q3	
1	<b>Gross domestic product</b>	<b>23,315.1</b>	<b>23,550.4</b>	<b>24,349.1</b>	<b>24,740.5</b>	<b>25,248.5</b>	<b>25,723.9</b>	<b>19,609.8</b>	<b>19,672.6</b>	<b>20,006.2</b>	<b>19,924.1</b>	<b>19,895.3</b>	<b>20,054.7</b>	<b>1,100.7</b>	<b>-28.8</b>	<b>159.4</b>	1
2	<b>Private industries</b>	<b>20,502.2</b>	<b>20,706.9</b>	<b>21,480.5</b>	<b>21,837.5</b>	<b>22,313.7</b>	<b>22,743.7</b>	<b>17,315.9</b>	<b>17,361.7</b>	<b>17,694.1</b>	<b>17,603.3</b>	<b>17,575.0</b>	<b>17,730.6</b>	<b>1,084.9</b>	<b>-28.3</b>	<b>155.6</b>	2
3	Agriculture, forestry, fishing, and hunting	206.6	221.7	219.1	264.9	291.9	296.3	209.2	205.7	208.0	208.0	201.0	200.1	-19.4	-7.0	-0.9	3
4	Mining	333.9	342.3	399.4	432.6	538.7	520.1	408.9	394.1	380.2	366.4	366.2	388.8	-79.4	-0.2	22.5	4
5	Utilities	378.4	378.4	399.1	390.4	450.0	469.4	282.2	281.4	275.6	281.1	281.8	269.8	-12.0	0.7	-12.0	5
6	Construction	945.3	941.2	969.3	986.3	987.9	1,008.9	664.3	661.0	638.1	635.5	602.4	573.5	15.9	-33.1	-28.9	6
7	Manufacturing	2,496.8	2,496.9	2,644.7	2,703.2	2,768.0	2,808.9	2,271.8	2,248.6	2,324.5	2,306.4	2,256.0	2,258.6	142.3	-50.5	2.7	7
8	Durable goods	1,395.0	1,378.8	1,452.1	1,486.5	1,503.0	1,543.6	1,295.0	1,276.8	1,324.5	1,328.4	1,314.4	1,312.8	114.6	-14.0	-1.7	8
9	Nondurable goods	1,101.8	1,118.1	1,192.6	1,216.8	1,265.0	1,265.3	976.6	971.6	1,000.2	979.5	944.9	948.7	28.2	-34.6	3.9	9
10	Wholesale trade	1,444.5	1,462.1	1,513.0	1,575.0	1,602.4	1,626.9	1,163.3	1,152.5	1,171.1	1,171.7	1,151.3	1,168.4	61.2	-20.4	17.1	10
11	Retail trade	1,391.1	1,385.7	1,436.9	1,438.6	1,452.8	1,478.2	1,113.2	1,078.8	1,097.3	1,054.3	1,057.9	1,075.5	28.4	3.6	17.6	11
12	Transportation and warehousing	688.2	711.2	754.1	779.1	811.2	829.9	532.0	538.1	548.5	533.2	536.4	550.4	37.0	3.1	14.0	12
13	Information	1,313.3	1,323.9	1,367.5	1,357.0	1,365.5	1,416.5	1,470.7	1,492.4	1,549.7	1,540.7	1,546.5	1,609.5	179.8	5.8	62.9	13
14	Finance, insurance, real estate, rental, and leasing	4,885.6	4,913.7	5,029.3	5,059.8	5,101.7	5,169.0	3,744.0	3,753.0	3,827.1	3,816.5	3,834.7	3,844.7	170.4	18.2	10.0	14
15	Finance and insurance	1,959.0	1,967.6	2,019.7	1,998.1	1,999.6	1,999.1	1,368.0	1,368.9	1,399.3	1,378.9	1,386.2	1,376.7	91.9	7.3	-9.5	15
16	Real estate and rental and leasing	2,926.7	2,946.1	3,009.6	3,061.7	3,102.1	3,169.9	2,366.3	2,374.7	2,417.9	2,430.1	2,440.9	2,462.2	73.3	10.8	21.3	16
17	Professional and business services	3,037.5	3,071.5	3,181.7	3,253.0	3,292.7	3,357.5	2,796.8	2,837.2	2,928.8	2,952.7	2,983.2	3,024.5	292.1	30.5	41.3	17
18	Professional, scientific, and technical services	1,843.5	1,871.2	1,927.9	1,956.3	1,978.6	2,023.9	1,695.5	1,730.4	1,773.5	1,775.4	1,789.9	1,823.8	169.4	14.5	33.9	18
19	Management of companies and enterprises	448.3	445.0	461.4	466.8	466.5	473.7	488.1	484.8	508.2	509.4	519.4	525.3	47.9	10.0	5.9	19
20	Administrative and waste management services	745.7	755.2	792.4	830.0	847.6	859.9	619.6	627.0	652.8	671.6	678.4	680.7	74.1	6.9	2.3	20
21	Educational services, health care, and social assistance	2,005.6	2,013.5	2,058.3	2,084.7	2,104.7	2,155.2	1,692.7	1,696.6	1,719.6	1,732.9	1,744.7	1,768.0	74.0	11.7	23.4	21
22	Educational services	269.7	275.3	280.9	285.5	284.4	292.4	212.6	216.2	219.0	221.7	219.4	222.4	6.8	-2.3	3.0	22
23	Health care and social assistance	1,735.8	1,738.2	1,777.4	1,799.3	1,820.3	1,862.8	1,482.7	1,482.8	1,503.0	1,513.6	1,527.9	1,548.3	67.5	14.3	20.4	23
24	Arts, entertainment, recreation, accommodation, and food services	905.5	964.9	1,016.0	1,009.2	1,036.3	1,080.5	680.9	721.2	737.8	720.9	739.3	752.4	150.0	18.4	13.1	24
25	Arts, entertainment, and recreation	219.0	231.9	254.3	254.2	260.2	281.8	174.5	184.0	197.9	197.5	206.3	218.6	45.4	8.8	12.3	25
26	Accommodation and food services	686.5	733.0	761.7	755.0	776.1	798.7	506.0	536.7	540.1	524.1	534.1	536.0	104.9	10.0	1.9	26
27	Other services, except government	469.9	480.0	491.9	503.6	509.9	526.5	349.2	356.6	359.4	361.2	362.3	364.5	18.0	1.1	2.3	27
28	<b>Government</b>	<b>2,812.9</b>	<b>2,843.5</b>	<b>2,868.6</b>	<b>2,903.0</b>	<b>2,934.8</b>	<b>2,980.2</b>	<b>2,219.8</b>	<b>2,235.3</b>	<b>2,234.2</b>	<b>2,244.2</b>	<b>2,242.9</b>	<b>2,246.5</b>	<b>11.9</b>	<b>-1.3</b>	<b>3.6</b>	28
29	Federal	887.5	892.4	899.4	908.0	913.7	923.7	743.6	744.6	742.3	743.1	742.2	739.5	7.3	-0.8	-2.8	29
30	State and local	1,925.4	1,951.0	1,969.2	1,995.0	2,021.0	2,056.5	1,477.7	1,491.9	1,492.9	1,502.0	1,501.5	1,507.5	4.9	-0.6	6.1	30
	<b>Addenda:</b>																
31	Private goods-producing industries <sup>1</sup>	3,982.6	4,002.1	4,232.5	4,387.0	4,586.4	4,634.2	3,596.3	3,559.2	3,597.9	3,564.5	3,468.3	3,456.8	108.1	-96.3	-11.5	31
32	Private services-producing industries <sup>2</sup>	16,519.6	16,704.8	17,248.0	17,450.5	17,727.3	18,109.5	13,699.6	13,777.9	14,069.2	14,011.5	14,081.2	14,250.3	962.7	69.7	169.1	32

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.

Source: U.S. Bureau of Economic Analysis

Table 15. Price Indexes for Gross Domestic Product by Industry Group: Percent Change from Preceding Period

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line	
					2018	2019				2020				2021				2022			
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1		Q2
1	<b>Gross domestic product</b>	1.8	1.3	4.5	1.7	1.5	2.3	1.3	1.3	1.8	-1.3	3.5	2.5	5.2	6.3	6.2	6.8	8.3	9.0	4.4	1
2	<b>Private industries</b>	1.7	1.0	4.7	1.8	1.2	2.7	1.1	1.6	1.0	-2.5	4.1	2.5	5.1	7.0	6.6	7.3	9.0	9.7	4.2	2
3	Agriculture, forestry, fishing, and hunting	-2.8	-1.1	39.1	-4.7	-6.0	-2.9	19.3	16.2	-6.2	-48.2	46.2	61.3	15.6	152.6	24.2	-8.9	113.3	69.0	8.1	3
4	Mining	-17.5	-31.9	98.3	-17.2	-38.5	-5.2	-31.7	-1.5	-59.0	-83.9	293.8	105.6	174.4	107.8	62.0	108.5	59.6	140.9	-31.5	4
5	Utilities	3.3	-1.4	16.7	9.1	8.3	-12.8	23.5	-15.5	-15.4	10.2	17.1	4.9	49.3	-15.7	29.5	34.4	-15.4	74.8	40.8	5
6	Construction	5.2	2.9	3.2	6.0	5.7	5.8	4.4	4.1	4.8	3.2	-3.3	-2.0	2.5	-1.9	15.1	29.5	8.9	24.6	32.4	6
7	Manufacturing	-0.2	-0.9	4.4	0.0	-0.5	-0.3	-3.4	2.4	-1.4	-0.7	-2.8	-0.1	5.9	7.8	10.4	10.2	12.6	20.1	5.6	7
8	Durable goods	1.4	0.5	-0.2	-0.9	4.1	0.4	-0.7	2.1	-0.1	2.7	-0.7	-3.9	-3.1	2.0	4.3	6.3	8.5	9.0	11.8	8
9	Nondurable goods	-2.1	-2.6	10.6	1.2	-5.9	-1.1	-6.8	2.7	-3.2	-4.9	-5.7	5.2	19.0	15.5	18.4	15.3	17.8	34.9	-1.5	9
10	Wholesale trade	5.4	-1.0	8.2	9.3	4.6	8.7	3.4	-1.2	-5.4	-9.0	11.7	1.3	8.6	13.7	16.0	7.5	17.2	14.9	0.2	10
11	Retail trade	2.0	6.4	12.5	5.5	-0.2	5.0	2.2	0.2	8.8	9.6	14.9	-0.8	7.5	38.0	10.0	8.0	17.9	2.6	0.3	11
12	Transportation and warehousing	4.2	-2.1	8.8	6.2	6.6	2.5	0.3	2.6	-2.9	-7.6	-8.1	8.4	3.2	29.9	14.6	17.1	27.6	14.8	-1.2	12
13	Information	-0.3	0.1	-1.6	-2.6	0.5	1.5	-1.2	-1.3	3.2	-4.9	2.4	3.8	-2.9	-4.8	-4.1	-2.1	-0.7	1.0	-1.3	13
14	Finance, insurance, real estate, rental, and leasing	2.6	2.5	1.5	2.2	1.2	4.7	2.5	1.6	6.3	-1.1	1.8	1.3	0.6	3.6	1.7	1.5	3.6	1.4	4.3	14
15	Finance and insurance	1.9	1.9	1.8	2.6	-2.8	5.5	2.2	-0.9	10.1	-5.1	0.1	1.0	3.0	4.8	1.6	1.7	1.6	-1.8	2.7	15
16	Real estate and rental and leasing	3.0	2.9	1.4	2.0	3.7	4.2	2.7	3.1	3.9	1.4	2.9	1.5	-0.9	2.8	1.8	1.3	5.0	3.5	5.3	16
17	Professional and business services	0.9	1.0	0.1	-0.9	2.9	1.0	0.6	0.8	1.1	1.4	0.8	0.5	1.1	-2.4	-0.7	1.4	5.8	0.7	2.3	17
18	Professional, scientific, and technical services	1.1	1.1	-0.1	-0.4	3.2	0.5	0.5	1.0	1.9	0.8	0.7	2.4	0.6	-4.1	-1.3	2.1	5.6	1.3	1.6	18
19	Management of companies and enterprises	-2.1	-1.7	-1.8	-4.6	-1.2	-0.2	-2.3	-1.4	-0.7	-2.9	-1.4	-4.2	0.6	-1.5	-2.1	-4.3	3.8	-7.8	1.7	19
20	Administrative and waste management services	2.3	2.3	1.9	0.2	4.9	2.9	2.7	1.8	0.2	6.0	2.8	-1.2	2.8	1.7	1.6	3.1	7.4	4.4	4.5	20
21	Educational services, health care, and social assistance	2.1	2.7	2.6	2.5	1.7	2.0	2.7	3.1	2.9	2.5	3.5	0.6	4.9	0.3	3.0	3.5	2.0	1.1	4.2	21
22	Educational services	2.4	2.7	2.8	2.4	2.6	1.9	2.1	3.5	3.2	2.1	2.9	2.4	2.5	3.3	3.3	3.1	1.4	2.7	5.7	22
23	Health care and social assistance	2.0	2.7	2.5	2.5	1.6	2.0	2.8	3.0	2.8	2.5	3.6	0.4	5.3	-0.2	3.0	3.6	2.1	0.9	4.0	23
24	Arts, entertainment, recreation, accommodation, and food services	3.1	3.6	3.1	0.4	4.5	3.9	1.8	7.0	4.1	3.9	-1.4	4.2	-1.4	2.0	12.4	12.3	6.8	0.5	10.2	24
25	Arts, entertainment, and recreation	2.5	5.9	0.0	-0.3	1.1	4.1	2.0	10.0	8.8	7.7	0.4	-1.5	-13.9	15.0	2.8	8.2	0.7	-7.9	9.1	25
26	Accommodation and food services	3.3	2.8	4.1	0.7	5.8	3.9	1.7	6.0	2.5	2.7	-1.9	5.9	3.0	-1.7	15.6	13.7	8.9	3.5	10.6	26
27	Other services, except government	3.6	4.9	4.0	2.2	4.6	4.1	1.8	7.0	7.6	2.5	4.5	2.9	7.0	0.3	4.0	7.0	7.6	3.9	10.8	27
28	<b>Government</b>	2.3	3.5	3.6	2.4	3.6	-0.9	3.5	0.4	5.8	7.1	0.9	2.9	5.1	3.0	3.6	3.8	3.0	4.7	5.7	28
29	Federal	2.1	1.7	3.5	3.8	6.7	-5.3	1.1	1.2	2.9	2.5	2.4	3.2	3.8	3.6	3.9	4.4	3.5	3.0	6.0	29
30	State and local	2.3	4.3	3.7	1.8	2.2	1.1	4.6	0.0	7.1	9.2	0.2	2.8	5.6	2.7	3.5	3.5	2.8	5.5	5.5	30
	<b>Addenda:</b>																				
31	Private goods-producing industries <sup>1</sup>	-0.7	-2.5	10.4	-0.6	-3.4	0.7	-3.2	3.3	-6.0	-11.8	6.2	6.4	12.7	15.5	15.7	19.8	19.8	33.3	5.6	31
32	Private services-producing industries <sup>2</sup>	2.3	1.9	3.4	2.4	2.4	3.2	2.2	1.2	2.8	-0.2	3.6	1.6	3.3	5.0	4.5	4.5	6.5	4.4	3.8	32

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.

Source: U.S. Bureau of Economic Analysis



Table 16. Real Gross Output by Industry Group: Percent Change from Preceding Period

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line	
					2018	2019				2020				2021				2022			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3
1	<b>All Industries</b>	<b>1.9</b>	<b>-3.6</b>	<b>6.2</b>	<b>0.3</b>	<b>1.7</b>	<b>3.3</b>	<b>2.3</b>	<b>-0.3</b>	<b>-4.3</b>	<b>-29.8</b>	<b>28.8</b>	<b>7.3</b>	<b>8.8</b>	<b>5.7</b>	<b>3.8</b>	<b>3.9</b>	<b>2.4</b>	<b>1.7</b>	<b>2.5</b>	1
2	<b>Private industries</b>	<b>1.8</b>	<b>-4.0</b>	<b>6.8</b>	<b>0.1</b>	<b>1.7</b>	<b>3.0</b>	<b>2.4</b>	<b>-0.7</b>	<b>-4.6</b>	<b>-32.6</b>	<b>33.2</b>	<b>8.3</b>	<b>9.0</b>	<b>6.2</b>	<b>4.3</b>	<b>4.3</b>	<b>2.5</b>	<b>1.8</b>	<b>2.6</b>	2
3	Agriculture, forestry, fishing, and hunting	-2.4	4.5	-2.7	-0.1	-10.2	1.3	1.0	3.5	19.4	-13.6	14.7	2.5	-10.6	-3.9	-2.9	-1.9	-1.6	-3.7	1.1	3
4	Mining	4.9	-14.5	-2.3	-2.9	-5.3	13.0	13.1	-3.9	8.2	-65.3	-2.0	3.6	2.7	23.7	-4.2	6.9	6.3	6.2	9.4	4
5	Utilities	-0.9	-2.7	2.2	-2.1	2.5	0.2	-2.9	-4.4	-8.3	-0.3	4.6	2.3	6.9	4.1	-7.5	-2.9	10.9	7.1	-5.3	5
6	Construction	1.0	1.8	1.0	-9.1	2.9	6.2	6.4	1.8	8.2	-14.3	3.7	13.1	6.3	-5.6	-6.3	-7.7	-6.3	-13.6	-10.8	6
7	Manufacturing	-0.3	-7.1	2.0	1.2	-0.4	-0.4	-2.0	-9.2	-5.4	-37.4	44.7	2.5	3.4	-5.5	-1.1	5.3	0.5	-0.8	3.9	7
8	Durable goods	-1.0	-8.6	6.1	4.0	-3.3	0.4	-6.8	-10.5	-5.7	-48.4	77.8	7.6	7.8	-4.0	1.1	7.3	2.9	5.9	7.2	8
9	Nondurable goods	0.4	-5.6	-2.0	-1.5	2.6	-1.2	3.1	-8.0	-5.1	-23.6	16.9	-2.5	-0.9	-6.9	-3.3	3.3	-2.0	-7.1	0.6	9
10	Wholesale trade	-1.1	-4.1	11.2	-1.2	-2.4	-3.5	-0.6	-2.6	-1.5	-40.4	59.3	12.1	15.6	12.0	0.1	5.4	13.8	-2.2	-1.5	10
11	Retail trade	0.9	1.1	6.5	-2.9	-0.3	1.6	4.0	4.1	-6.3	-17.8	49.3	-0.8	21.9	-5.7	-9.7	1.9	0.8	2.8	1.9	11
12	Transportation and warehousing	1.0	-13.1	14.4	-2.4	5.1	1.3	-2.7	-8.0	-11.8	-60.5	70.1	24.0	18.7	10.2	16.6	14.5	0.2	10.1	5.4	12
13	Information	4.0	1.6	13.4	2.1	2.8	7.1	4.1	2.5	-2.6	-10.3	18.2	13.6	18.3	17.0	9.6	8.1	10.8	5.8	2.8	13
14	Finance, insurance, real estate, rental, and leasing	2.7	0.0	4.3	2.1	5.0	2.7	2.7	2.0	-2.6	-8.6	9.7	4.7	6.8	0.8	6.5	2.8	0.6	0.1	3.7	14
15	Finance and insurance	0.9	2.7	4.7	0.8	1.2	0.4	4.1	3.9	-2.6	5.5	5.6	5.6	12.7	-5.4	5.8	-1.5	-4.1	3.1	8.8	15
16	Real estate and rental and leasing	4.2	-2.1	4.0	3.1	8.0	4.4	1.6	0.5	-2.6	-18.3	13.1	4.0	2.4	6.0	7.1	6.3	4.2	-2.0	0.0	16
17	Professional and business services	5.0	-0.3	11.3	2.8	1.7	10.1	7.5	3.5	0.2	-29.1	24.2	20.7	9.4	14.7	10.7	9.6	5.5	6.2	3.4	17
18	Professional, scientific, and technical services	4.9	1.6	10.1	1.8	0.7	14.2	9.7	3.1	6.2	-29.3	27.6	17.2	7.2	13.0	11.2	7.4	5.7	5.4	7.7	18
19	Management of companies and enterprises	6.3	1.9	7.9	1.6	14.6	3.3	-1.6	5.2	-1.3	-6.0	6.0	29.9	0.7	14.6	-10.1	17.8	1.2	3.5	2.5	19
20	Administrative and waste management services	4.5	-5.6	16.0	5.5	-2.9	6.0	8.2	3.3	-10.8	-39.5	28.8	23.5	20.1	18.3	22.3	9.9	7.3	9.1	-4.3	20
21	Educational services, health care, and social assistance	2.6	-4.8	4.7	-0.4	3.9	3.7	1.0	1.6	-5.6	-37.4	38.3	9.7	-1.5	8.3	4.3	3.1	1.4	1.5	3.4	21
22	Educational services	0.5	-7.6	4.1	-1.6	1.1	-1.2	1.3	1.2	-4.4	-40.5	25.8	-5.7	11.1	11.1	6.3	4.7	6.7	2.5	6.4	22
23	Health care and social assistance	2.9	-4.3	4.8	-0.3	4.3	4.5	0.9	1.6	-5.8	-37.0	40.2	12.0	-3.1	7.9	4.0	2.8	0.7	1.4	3.0	23
24	Arts, entertainment, recreation, accommodation, and food services	2.0	-27.3	31.9	-1.1	3.4	0.9	3.3	1.9	-34.1	-89.5	310.7	5.3	50.2	77.0	34.1	3.0	-1.2	19.1	6.5	24
25	Arts, entertainment, and recreation	2.3	-38.1	35.5	-3.9	13.7	-7.4	1.6	-3.8	-41.7	-94.9	284.6	40.7	84.1	27.7	88.0	16.4	5.3	22.7	26.3	25
26	Accommodation and food services	1.9	-23.9	31.0	-0.3	0.3	3.7	3.8	3.7	-31.7	-87.2	317.1	-1.9	42.5	91.9	23.2	-0.3	-2.9	18.2	1.6	26
27	Other services, except government	1.1	-8.8	1.6	-1.6	-3.1	0.5	8.5	5.6	-11.4	-54.6	65.2	0.2	-8.2	13.0	2.7	0.1	2.1	-3.1	8.7	27
28	<b>Government</b>	<b>2.5</b>	<b>-0.3</b>	<b>1.6</b>	<b>1.9</b>	<b>1.3</b>	<b>5.9</b>	<b>1.7</b>	<b>2.2</b>	<b>-1.7</b>	<b>-4.4</b>	<b>0.1</b>	<b>-0.1</b>	<b>7.0</b>	<b>0.9</b>	<b>-0.1</b>	<b>0.3</b>	<b>1.1</b>	<b>0.8</b>	<b>2.3</b>	28
29	Federal	3.0	5.1	2.8	0.9	-1.4	13.1	1.4	1.1	1.7	31.4	-13.4	1.7	23.0	-7.0	-10.2	1.4	-3.1	2.4	3.6	29
30	State and local	2.3	-2.6	1.0	2.3	2.5	3.0	1.8	2.7	-3.2	-17.5	7.3	-0.9	0.1	4.9	4.9	-0.2	2.9	0.2	1.8	30
	<b>Addenda:</b>																				
31	Private goods-producing industries <sup>1</sup>	0.2	-5.2	1.3	-1.1	-0.6	1.7	0.6	-6.3	-0.9	-33.8	30.0	4.6	2.9	-3.9	-2.5	2.3	-0.6	-3.0	1.2	31
32	Private services-producing industries <sup>2</sup>	2.5	-3.6	8.8	0.5	2.6	3.5	3.0	1.4	-5.9	-32.2	34.3	9.6	11.2	10.0	6.7	5.0	3.7	3.6	3.0	32

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.

Source: U.S. Bureau of Economic Analysis

Table 17. Gross Output by Industry Group: Level and Change from Preceding Period

Line		Billions of dollars						Billions of chained (2012) dollars									Line
		2021	Seasonally adjusted at annual rates					2021	Seasonally adjusted at annual rates					Change from preceding period			
			2021		2022				2021		2022			2021	2022		
			Q3	Q4	Q1	Q2	Q3		Q3	Q4	Q1	Q2	Q3		Q2	Q3	
1	<b>All Industries</b>	<b>41,404.8</b>	<b>42,080.3</b>	<b>43,293.0</b>	<b>44,579.4</b>	<b>45,972.9</b>	<b>46,562.9</b>	<b>35,117.1</b>	<b>35,315.8</b>	<b>35,653.0</b>	<b>35,862.8</b>	<b>36,013.3</b>	<b>36,239.8</b>	<b>2,065.5</b>	<b>150.5</b>	<b>226.5</b>	1
2	<b>Private industries</b>	<b>36,937.2</b>	<b>37,582.2</b>	<b>38,717.6</b>	<b>39,908.4</b>	<b>41,156.8</b>	<b>41,675.7</b>	<b>31,472.3</b>	<b>31,671.2</b>	<b>32,006.8</b>	<b>32,207.5</b>	<b>32,350.4</b>	<b>32,555.8</b>	<b>2,016.6</b>	<b>142.9</b>	<b>205.4</b>	2
3	Agriculture, forestry, fishing, and hunting	526.0	548.4	546.2	598.1	640.4	653.4	528.4	525.8	523.2	521.1	516.3	517.8	-14.9	-4.8	1.5	3
4	Mining	628.5	651.8	753.0	823.0	976.8	951.7	632.0	634.2	644.9	654.8	664.8	679.9	-15.0	10.0	15.0	4
5	Utilities	644.0	646.7	687.9	694.3	796.6	829.1	498.3	495.6	491.9	504.8	513.5	506.5	10.9	8.7	-7.0	5
6	Construction	1,964.5	1,975.6	2,016.7	2,067.3	2,078.2	2,078.5	1,440.5	1,430.5	1,402.2	1,379.5	1,330.1	1,292.5	13.6	-49.4	-37.6	6
7	Manufacturing	6,318.7	6,410.5	6,692.3	6,971.6	7,312.5	7,338.5	5,773.2	5,726.1	5,800.4	5,807.0	5,794.6	5,849.9	114.9	-12.4	55.3	7
8	Durable goods	3,217.8	3,253.4	3,383.7	3,498.0	3,629.6	3,706.5	2,811.4	2,795.7	2,845.2	2,865.8	2,907.1	2,957.9	160.8	41.2	50.9	8
9	Nondurable goods	3,100.9	3,157.1	3,308.6	3,473.5	3,682.9	3,632.0	2,956.3	2,924.7	2,948.8	2,934.1	2,880.3	2,884.9	-60.5	-53.8	4.6	9
10	Wholesale trade	2,425.9	2,476.3	2,551.8	2,719.0	2,778.7	2,779.0	1,988.5	1,995.9	2,022.5	2,088.9	2,077.2	2,069.6	201.0	-11.7	-7.6	10
11	Retail trade	2,366.4	2,371.8	2,424.3	2,507.7	2,557.1	2,580.7	1,927.6	1,893.8	1,902.5	1,906.4	1,919.5	1,928.6	116.8	13.1	9.1	11
12	Transportation and warehousing	1,455.6	1,509.2	1,615.3	1,696.1	1,803.7	1,823.8	1,213.8	1,233.6	1,275.9	1,276.7	1,307.8	1,325.0	152.5	31.1	17.3	12
13	Information	2,253.4	2,288.3	2,334.0	2,411.5	2,458.8	2,478.2	2,281.0	2,317.5	2,362.9	2,424.1	2,458.4	2,475.3	269.7	34.3	17.0	13
14	Finance, insurance, real estate, rental, and leasing	7,824.1	7,916.5	8,034.4	8,124.9	8,201.8	8,360.3	6,077.9	6,118.1	6,160.4	6,168.9	6,170.7	6,226.6	250.6	1.7	55.9	14
15	Finance and insurance	3,455.8	3,490.2	3,494.7	3,472.7	3,496.2	3,586.5	2,595.4	2,607.1	2,597.4	2,570.6	2,589.9	2,645.1	116.4	19.4	55.2	15
16	Real estate and rental and leasing	4,368.4	4,426.3	4,539.8	4,652.1	4,705.6	4,773.8	3,482.1	3,511.0	3,564.7	3,601.7	3,583.3	3,583.3	133.6	-18.4	0.1	16
17	Professional and business services	4,964.5	5,045.8	5,197.2	5,345.4	5,463.7	5,549.9	4,450.2	4,517.5	4,622.0	4,684.2	4,754.6	4,794.3	452.1	70.5	39.7	17
18	Professional, scientific, and technical services	2,857.3	2,901.7	2,975.8	3,059.4	3,120.9	3,198.0	2,556.5	2,597.8	2,644.7	2,681.5	2,716.8	2,767.5	234.3	35.3	50.7	18
19	Management of companies and enterprises	733.1	723.5	751.3	761.4	764.0	774.7	735.1	724.0	754.3	756.6	763.1	767.9	54.0	6.6	4.7	19
20	Administrative and waste management services	1,374.1	1,420.6	1,470.1	1,524.5	1,578.7	1,577.2	1,157.8	1,191.6	1,220.2	1,241.9	1,269.2	1,255.3	159.4	27.3	-14.0	20
21	Educational services, health care, and social assistance	3,178.4	3,217.8	3,276.0	3,315.8	3,351.8	3,415.9	2,678.9	2,701.2	2,721.5	2,731.0	2,741.4	2,764.6	120.3	10.4	23.1	21
22	Educational services	391.7	398.2	407.0	416.5	423.6	436.0	317.7	321.3	325.0	330.3	332.4	337.6	12.7	2.1	5.2	22
23	Health care and social assistance	2,786.7	2,819.6	2,869.0	2,899.3	2,928.2	2,979.8	2,362.8	2,381.5	2,398.2	2,402.1	2,410.5	2,428.3	107.8	8.3	17.8	23
24	Arts, entertainment, recreation, accommodation, and food services	1,631.2	1,755.8	1,807.8	1,834.3	1,934.3	2,001.7	1,287.1	1,375.8	1,385.9	1,381.9	1,443.8	1,466.6	311.2	61.8	22.8	24
25	Arts, entertainment, and recreation	335.0	364.7	385.9	392.7	407.9	440.5	272.2	294.5	305.9	309.9	326.2	345.8	71.3	16.3	19.6	25
26	Accommodation and food services	1,296.2	1,391.1	1,421.9	1,441.6	1,526.4	1,561.2	1,014.7	1,081.0	1,080.1	1,072.3	1,118.0	1,122.5	240.0	45.7	4.5	26
27	Other services, except government	756.0	767.6	780.6	799.5	802.6	835.0	593.3	599.7	599.8	603.0	598.2	610.7	9.4	-4.8	12.6	27
28	<b>Government</b>	<b>4,467.6</b>	<b>4,498.0</b>	<b>4,575.5</b>	<b>4,671.0</b>	<b>4,816.0</b>	<b>4,887.2</b>	<b>3,652.3</b>	<b>3,653.1</b>	<b>3,655.6</b>	<b>3,665.3</b>	<b>3,673.0</b>	<b>3,694.3</b>	<b>56.8</b>	<b>7.7</b>	<b>21.3</b>	28
29	Federal	1,409.0	1,390.4	1,411.8	1,420.4	1,451.7	1,482.4	1,203.8	1,181.2	1,185.3	1,176.1	1,183.2	1,193.6	32.9	7.1	10.5	29
30	State and local	3,058.6	3,107.7	3,163.6	3,250.6	3,364.4	3,404.8	2,449.5	2,471.6	2,470.3	2,488.2	2,489.3	2,500.5	24.6	1.0	11.2	30
	<b>Addenda:</b>																
31	Private goods-producing industries <sup>1</sup>	9,437.7	9,586.3	10,008.2	10,459.9	11,007.9	11,022.0	8,449.5	8,390.1	8,437.3	8,424.3	8,359.5	8,384.9	105.8	-64.9	25.4	31
32	Private services-producing industries <sup>2</sup>	27,499.4	27,995.9	28,709.4	29,448.5	30,149.0	30,653.6	22,893.7	23,141.9	23,427.0	23,638.7	23,848.0	24,027.7	1,856.0	209.3	179.8	32

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.

Source: U.S. Bureau of Economic Analysis

Table 18. Price Indexes for Gross Output by Industry Group: Percent Change from Preceding Period

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line	
					2018	2019				2020				2021				2022			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3
1	<b>All Industries</b>	1.4	0.6	6.6	2.2	-0.1	2.0	0.7	0.6	0.2	-3.9	5.4	4.8	7.6	10.0	8.2	7.9	9.8	11.2	2.6	1
2	<b>Private industries</b>	1.4	0.4	6.7	2.2	-0.3	2.2	0.6	0.5	-0.1	-4.4	5.6	4.9	7.5	10.5	8.5	8.0	10.1	11.1	2.5	2
3	Agriculture, forestry, fishing, and hunting	-0.3	-2.4	20.8	2.5	-2.2	-0.5	3.9	4.1	-7.0	-26.0	19.1	28.4	14.2	57.3	17.0	0.2	46.2	36.4	7.2	3
4	Mining	-9.6	-18.1	54.5	-4.3	-25.4	-4.8	-18.5	0.2	-37.6	-61.3	107.4	56.3	91.7	50.7	45.9	65.9	34.2	86.8	-17.6	4
5	Utilities	1.1	-2.5	18.7	11.8	-1.7	-10.0	11.4	-9.7	-14.1	-0.5	16.4	11.8	46.2	-7.0	29.6	31.8	-6.4	61.8	24.0	5
6	Construction	3.5	2.4	8.4	4.2	2.7	4.0	2.7	2.0	2.5	-0.1	5.4	2.4	8.4	13.3	12.6	17.6	17.8	18.2	12.2	6
7	Manufacturing	-0.7	-2.2	12.6	-0.5	-4.1	1.3	-3.8	1.0	-3.5	-12.7	8.3	7.7	17.7	20.4	16.6	12.8	17.2	22.1	-2.4	7
8	Durable goods	1.0	0.3	7.7	1.2	1.3	-0.4	-1.0	-0.4	-0.2	0.1	2.5	3.3	8.3	13.9	12.2	9.1	11.0	9.5	1.5	8
9	Nondurable goods	-2.4	-4.6	17.9	-2.2	-9.4	3.2	-6.7	2.3	-6.9	-24.2	14.5	12.5	28.4	27.6	21.3	16.7	23.9	36.1	-6.0	9
10	Wholesale trade	3.9	-0.2	7.2	6.8	2.9	5.7	2.8	-0.8	-3.4	-5.6	8.3	3.0	6.6	12.6	12.2	6.9	13.3	11.5	1.5	10
11	Retail trade	1.9	4.2	9.6	4.9	0.1	3.4	2.4	-0.2	5.1	5.8	10.3	2.0	6.0	25.2	8.5	7.1	13.6	5.2	1.8	11
12	Transportation and warehousing	2.6	-1.9	9.7	4.2	1.0	3.5	0.5	0.3	-2.4	-9.3	-2.5	8.2	7.8	24.6	15.2	14.7	21.3	16.2	-0.8	12
13	Information	0.3	0.4	0.5	0.1	-0.1	1.0	-0.2	-0.6	2.8	-5.2	3.2	5.6	-2.5	0.6	-0.7	0.2	2.9	2.2	0.4	13
14	Finance, insurance, real estate, rental, and leasing	2.4	1.7	3.0	3.0	0.8	3.7	2.5	-0.4	3.9	-1.3	2.8	2.9	2.6	5.1	3.4	3.2	4.0	3.7	4.1	14
15	Finance and insurance	1.8	1.1	3.0	3.0	-1.8	4.7	2.1	-3.3	6.2	-4.3	2.3	2.7	4.0	5.8	2.6	2.0	1.6	-0.3	1.8	15
16	Real estate and rental and leasing	2.8	2.2	3.0	3.0	2.9	3.0	2.8	1.8	2.2	1.1	3.1	3.1	1.6	4.5	4.1	4.1	5.8	6.8	5.9	16
17	Professional and business services	1.2	0.9	1.7	0.4	2.2	1.1	0.9	0.5	0.7	0.6	1.5	2.0	1.7	1.7	1.7	2.7	6.1	2.8	3.0	17
18	Professional, scientific, and technical services	1.3	1.0	1.4	0.6	2.6	0.8	0.8	0.6	1.2	0.6	1.2	3.2	1.2	0.2	1.0	3.0	5.7	2.8	2.4	18
19	Management of companies and enterprises	-0.7	-0.8	0.2	-1.9	-0.5	0.1	-0.7	-1.6	0.2	-2.7	0.4	-0.9	1.1	1.2	0.3	-1.3	4.3	-2.1	3.1	19
20	Administrative and waste management services	2.0	1.6	3.2	1.3	3.0	2.4	2.1	1.3	0.0	2.8	2.8	1.0	3.0	5.2	3.8	4.3	7.8	5.4	4.1	20
21	Educational services, health care, and social assistance	1.9	2.3	3.4	2.6	1.4	1.9	2.3	2.0	1.8	2.5	3.2	2.2	4.3	3.3	3.9	4.3	3.5	2.8	4.3	21
22	Educational services	2.2	2.3	3.4	2.8	2.1	1.5	2.0	2.2	2.2	2.0	2.8	3.4	2.3	5.0	4.4	4.3	2.7	4.4	5.5	22
23	Health care and social assistance	1.9	2.3	3.4	2.5	1.3	1.9	2.4	2.0	1.7	2.6	3.2	2.1	4.6	3.1	3.9	4.3	3.6	2.6	4.1	23
24	Arts, entertainment, recreation, accommodation, and food services	2.5	2.7	4.0	1.9	2.7	2.7	1.9	3.8	2.7	2.8	0.7	4.4	0.7	5.4	9.5	9.2	7.2	3.8	7.7	24
25	Arts, entertainment, and recreation	2.3	4.4	1.3	0.9	0.8	3.4	1.5	6.9	5.9	5.6	1.3	0.2	-11.0	15.3	3.8	7.9	1.8	-5.1	7.7	25
26	Accommodation and food services	2.6	2.2	4.8	2.2	3.3	2.4	2.0	3.0	1.8	2.0	0.6	5.5	4.0	3.1	11.0	9.6	8.8	6.3	7.7	26
27	Other services, except government	2.8	3.2	4.7	2.6	2.9	3.3	1.9	2.7	4.6	1.8	4.3	3.5	5.9	4.2	5.2	6.8	7.8	4.9	7.8	27
28	<b>Government</b>	1.7	1.8	5.5	2.7	1.0	0.3	1.7	1.1	2.5	0.3	3.7	3.7	8.5	5.4	6.2	6.8	7.5	12.1	3.6	28
29	Federal	1.9	1.1	3.7	3.2	4.6	-2.8	1.0	1.4	1.9	-0.2	2.9	2.3	4.8	4.2	4.9	4.8	5.7	6.5	5.0	29
30	State and local	1.6	2.1	6.4	2.4	-0.6	1.7	2.0	1.0	2.8	0.5	4.1	4.3	10.3	6.0	6.8	7.6	8.3	14.6	3.0	30
	<b>Addenda:</b>																				
31	Private goods-producing industries <sup>1</sup>	-0.5	-2.3	14.2	0.2	-4.5	1.3	-3.2	1.4	-5.0	-14.5	11.6	9.8	18.7	22.4	17.5	16.1	20.1	26.5	-0.7	31
32	Private services-producing industries <sup>2</sup>	2.1	1.4	4.3	2.9	1.3	2.5	2.0	0.2	1.6	-0.8	3.7	3.3	3.9	6.7	5.5	5.3	6.8	6.1	3.7	32

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.

Source: U.S. Bureau of Economic Analysis

**Appendix Table A. Real Gross Domestic Product and Related Aggregates:  
Percent Change from Preceding Period and Contributions to Percent Change**

Line		2019	2020	2021	Seasonally adjusted at annual rates															Line	
					2018	2019				2020				2021				2022			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3 <sup>r</sup>
<b>Percent change from preceding period</b>																					
<b>Gross domestic product (GDP) and related aggregates:</b>																					
1	GDP	2.3	-2.8	5.9	0.7	2.2	2.7	3.6	1.8	-4.6	-29.9	35.3	3.9	6.3	7.0	2.7	7.0	-1.6	-0.6	3.2	1
2	Goods	3.9	0.7	9.8	4.9	4.5	0.3	5.4	1.7	-2.5	-30.1	72.5	1.4	7.8	9.5	-0.3	18.6	-5.4	-3.0	7.3	2
3	Services	1.8	-4.7	4.7	0.5	1.0	2.9	2.3	2.4	-7.5	-29.8	22.6	3.3	5.9	7.7	5.4	3.2	1.0	3.1	3.9	3
4	Structures	0.8	-0.4	1.6	-11.3	2.9	10.1	6.7	-2.6	9.9	-29.7	16.5	17.5	4.2	-5.8	-5.2	-5.2	-4.9	-15.3	-14.6	4
5	Motor vehicle output	-0.4	-14.1	8.3	7.4	-10.4	5.3	6.0	-14.5	-32.2	-87.0	1,300.5	-20.5	4.7	-7.8	-43.5	48.2	-3.6	-3.8	2.6	5
6	GDP excluding motor vehicle output	2.4	-2.4	5.9	0.5	2.6	2.6	3.5	2.3	-3.8	-27.4	28.5	4.7	6.3	7.4	4.2	6.1	-1.6	-0.5	3.3	6
7	Nonfarm business gross value added <sup>1</sup>	2.7	-3.5	7.8	0.8	3.0	2.9	4.3	1.8	-6.7	-35.0	47.2	5.3	8.5	8.9	2.7	9.1	-2.5	-1.2	3.6	7
<b>Contributions to percent change in real gross domestic product</b>																					
<b>Percent change at annual rate:</b>																					
8	<b>Gross domestic product</b>	<b>2.3</b>	<b>-2.8</b>	<b>5.9</b>	<b>0.7</b>	<b>2.2</b>	<b>2.7</b>	<b>3.6</b>	<b>1.8</b>	<b>-4.6</b>	<b>-29.9</b>	<b>35.3</b>	<b>3.9</b>	<b>6.3</b>	<b>7.0</b>	<b>2.7</b>	<b>7.0</b>	<b>-1.6</b>	<b>-0.6</b>	<b>3.2</b>	8
<b>Percentage points at annual rates:</b>																					
9	Goods	1.13	0.20	2.94	1.42	1.33	0.10	1.59	0.52	-0.70	-7.99	19.61	0.52	2.50	3.01	-0.02	5.52	-1.76	-0.96	2.28	9
10	Services	1.09	-2.94	2.87	0.32	0.61	1.79	1.45	1.49	-4.75	-18.98	14.16	1.97	3.46	4.54	3.16	1.91	0.57	1.83	2.30	10
11	Structures	0.07	-0.03	0.14	-1.02	0.24	0.83	0.57	-0.22	0.83	-2.88	1.55	1.42	0.35	-0.55	-0.49	-0.47	-0.44	-1.44	-1.34	11
12	Motor vehicle output	-0.01	-0.39	0.20	0.20	-0.31	0.14	0.16	-0.43	-0.98	-3.86	5.92	-0.64	0.12	-0.22	-1.42	0.98	-0.10	-0.10	0.07	12

r Revised

1. Consists of GDP less gross value added of farm, of households and institutions, and of general government.

Source: U.S. Bureau of Economic Analysis

**Appendix Table B. Not Seasonally Adjusted Real Gross Domestic Product: Level and Percent Change from Quarter One Year Ago**

Line		Billions of chained (2012) dollars at quarterly rates									Percent change from quarter one year ago									Line	
		2020			2021			2022			2020		2021			2022					
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3 <sup>r</sup>	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3 <sup>r</sup>
1	<b>Gross domestic product (GDP)</b>	4,335.9	4,701.1	4,843.7	4,691.6	4,890.8	4,916.4	5,111.0	4,855.9	4,985.8	5,018.1	-2.0	-1.2	1.4	12.8	4.6	5.5	3.5	1.9	2.1	1
2	Personal consumption expenditures	2,953.0	3,212.1	3,369.1	3,252.5	3,447.7	3,452.0	3,601.9	3,396.8	3,535.5	3,539.0	-2.0	-1.1	2.7	16.8	7.5	6.9	4.4	2.5	2.5	2
3	Gross private domestic investment	711.2	888.2	874.7	845.1	862.1	934.0	961.9	935.5	930.6	950.8	-3.1	2.6	1.5	21.2	5.1	10.0	10.7	7.9	1.8	3
4	Net exports of goods and services	-190.0	-266.9	-277.8	-260.9	-301.0	-343.8	-327.7	-337.4	-361.7	-348.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
5	Exports	488.0	542.4	597.4	567.3	587.8	578.2	633.5	594.7	628.4	644.8	-15.6	-9.1	-6.0	20.4	6.6	6.0	4.8	6.9	11.5	5
6	Imports	678.0	809.3	875.3	828.2	888.8	922.0	961.2	932.0	990.1	993.0	-9.3	1.0	4.6	31.1	13.9	9.8	12.5	11.4	7.7	6
7	Government consumption expenditures and gross investment	863.0	858.5	865.3	845.2	867.3	855.4	858.3	840.5	855.9	852.3	1.9	1.7	3.1	0.5	-0.4	-0.8	-0.6	-1.3	-0.4	7
	<b>Addenda:</b>																				
	<b>Current dollar measures:</b>																				
	<b>(Billions of dollars)</b>																				
8	GDP	4,930.2	5,349.4	5,539.4	5,444.4	5,784.8	5,883.2	6,203.4	6,010.7	6,353.0	6,439.2	-0.9	0.5	3.6	17.3	10.0	12.0	10.4	9.8	9.5	8
9	Gross domestic income	4,873.3	5,185.8	5,689.9	5,598.9	5,690.5	5,860.8	6,293.8	6,234.8	6,266.1	6,331.6	-2.8	2.8	1.3	16.8	13.0	10.6	11.4	10.1	8.0	9

<sup>r</sup> Revised

Source: U.S. Bureau of Economic Analysis