

## **News Release**

EMBARGOED UNTIL RELEASE AT 8:30 A.M. EDT, THURSDAY, OCTOBER 28, 2021

BEA 21-52

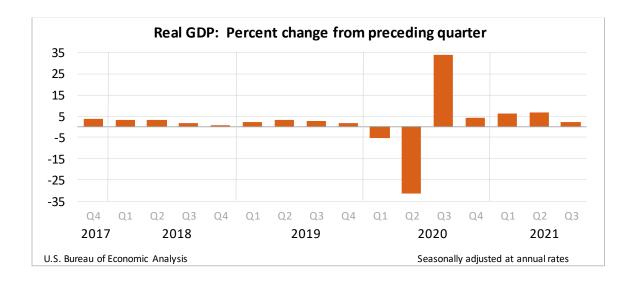
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# Gross Domestic Product, Third Quarter 2021 (Advance Estimate)

**Real gross domestic product** (GDP) increased at an annual rate of 2.0 percent in the third quarter of 2021 (table 1), according to the "advance" estimate released by the Bureau of Economic Analysis. In the second guarter, real GDP increased 6.7 percent.

The GDP estimate released today is based on source data that are incomplete or subject to further revision by the source agency (see "Source Data for the Advance Estimate" on page 3). The "second" estimate for the third quarter, based on more complete data, will be released on November 24, 2021.



The increase in **real GDP** in the third quarter reflected increases in private inventory investment, personal consumption expenditures (PCE), state and local government spending, and nonresidential fixed investment that were partly offset by decreases in residential fixed investment, federal government spending, and exports. Imports, which are a subtraction in the calculation of GDP, increased (table 2).



#### COVID-19 Impact on the Third-Quarter 2021 GDP Estimate

The increase in third quarter GDP reflected the continued economic impact of the COVID-19 pandemic. A resurgence of COVID-19 cases resulted in new restrictions and delays in the reopening of establishments in some parts of the country. Government assistance payments in the form of forgivable loans to businesses, grants to state and local governments, and social benefits to households all decreased. The full economic effects of the COVID-19 pandemic cannot be quantified in the GDP estimate for the third quarter because the impacts are generally embedded in source data and cannot be separately identified. For more information, see the Technical Note and Federal Recovery Programs and BEA Statistics.

The increase in private inventory investment reflected increases in wholesale trade (led by nondurable goods industries) and in retail trade (led by motor vehicles and parts dealers). The increase in PCE reflected an increase in services that was partly offset by a decrease in goods. Within services, increases were widespread with the largest contributions coming from "other" services (mainly international travel), transportation services, and health care. The decrease in goods primarily reflected a decrease in spending on motor vehicles and parts. The increase in state and local government spending was led by employee compensation (notably, education). The increase in nonresidential fixed investment reflected an increase in intellectual property products (led by software) that was partly offset by decreases in structures and equipment.

The decrease in residential fixed investment primarily reflected decreases in improvements and in new single-family structures. The decrease in federal government spending primarily reflected a decrease in nondefense spending on intermediate goods and services after the processing and administration of Paycheck Protection Program loan applications by banks on behalf of the federal government ended in the second quarter. The decrease in exports reflected a decrease in goods that was partly offset by an increase in services. The increase in imports primarily reflected an increase in services (led by travel and transport).

The deceleration in **real GDP** in the third quarter was more than accounted for by a slowdown in PCE. From the second quarter to the third quarter, spending for goods turned down (led by motor vehicles and parts) and services decelerated (led by food services and accommodations).

**Current-dollar GDP** increased 7.8 percent at an annual rate, or \$432.5 billion, in the third quarter to a level of \$23.17 trillion. In the second quarter, GDP increased 13.4 percent, or \$702.8 billion (table 1 and table 3). More information on the source data that underlie the estimates is available in the <u>Key Source</u> Data and Assumptions file on BEA's website.

The **price index for gross domestic purchases** increased 5.4 percent in the third quarter, compared with an increase of 5.8 percent in the second quarter (table 4). **The PCE price index** increased 5.3 percent, compared with an increase of 6.5 percent. Excluding food and energy prices, the PCE price index increased 4.5 percent, compared with an increase of 6.1 percent.



#### **Personal Income**

**Current-dollar personal income** increased \$47.8 billion in the third quarter, in contrast to a decrease of \$1.29 trillion in the second quarter. The increase primarily reflected an increase in compensation that was partly offset by a decrease in government social benefits for unemployment insurance and direct economic impact payments to households established by the Coronavirus Response and Relief Supplemental Appropriations Act and the American Rescue Plan Act (table 8). Additional information on factors impacting personal income can be found in <a href="Effects of Selected Federal Pandemic Response">Effects of Selected Federal Pandemic Response</a> Programs on Personal Income.

**Disposable personal income** decreased \$29.4 billion, or 0.7 percent, in the third quarter, compared with a decrease of \$1.39 trillion, or 25.7 percent, in the second quarter. **Real disposable personal income** decreased 5.6 percent, compared with a decrease of 30.2 percent.

**Personal saving** was \$1.60 trillion in the third quarter, compared with \$1.90 trillion in the second quarter. The **personal saving rate**—personal saving as a percentage of disposable personal income—was 8.9 percent in the third quarter, compared with 10.5 percent in the second quarter.

#### Source Data for the Advance Estimate

Information on the source data and key assumptions used in the advance estimate is provided in a <u>Technical Note</u> that is posted with the news release on BEA's website. A detailed <u>Key Source Data and Assumptions</u> file is also posted for each release. For information on updates to GDP, see the "Additional Information" section that follows.

Next release, November 24, 2021 at 8:30 A.M. EST Gross Domestic Product (Second Estimate) Corporate Profits (Preliminary Estimate) Third Quarter 2021

\* \* \*



### **Additional Information**

#### Resources

Additional resources available at www.bea.gov:

- Information on COVID-19 and recovery impacts is available on our <u>website</u>.
- Stay informed about BEA developments by reading the BEA <u>blog</u>, signing up for BEA's <u>email</u> <u>subscription service</u>, or following BEA on Twitter @BEA News.
- Historical time series for these estimates can be accessed in BEA's <u>interactive data application</u>.
- Access BEA data by registering for BEA's data application programming interface (API).
- For more on BEA's statistics, see our monthly online journal, the <u>Survey of Current Business</u>.
- BEA's <u>news release schedule</u>
- 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-ofthe-world (ROW) component of profits is measured as the difference between profits received from ROW and profits paid to ROW.

For more definitions, see the <u>Glossary: National Income and Product Accounts</u>.



#### 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, see 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, see 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 Fisherchained 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, see 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.

	Average Revision
	Without Regard to Sign
Vintage	(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 2020. For more information on GDP updates, see <u>Revision Information</u> on the BEA website.

Annual and comprehensive updates are typically released in late July. 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.



#### **List of GDP News Release Tables**

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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

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Line		2018	2019	2020	2017		201	18			20				20:	20			2021		Line
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1	Gross domestic product (GDP)	2.9	2.3	-3.4	3.8	3.1	3.4	1.9	0.9	2.4	3.2	2.8	1.9	-5.1	-31.2	33.8	4.5	6.3	6.7	2.0	1
2	Personal consumption expenditures	2.9	2.2	-3.8	4.3	2.4	3.5	2.7	1.7	0.6	3.6	3.2	1.7	-6.9	-33.4	41.4	3.4	11.4	12.0	1.6	2
3	Goods	4.0	3.4	4.6	8.2	1.4	4.2	2.9	2.1	1.3	7.0	4.9	1.8	0.3	-10.0	49.5	-0.3	27.4	13.0	-9.2	3
4	Durable goods	7.0	4.3	7.7	15.3	3.6	7.1	3.8	1.1	-0.7	10.8	8.5	5.0	-12.0	-1.5	89.0	1.1	50.0	11.6	-26.2	4
5	Nondurable goods	2.5	2.9	3.1	4.8	0.3	2.8	2.4	2.6	2.4	5.1	3.1	0.3	7.1	-13.9	31.8	-1.1	15.9	13.9	2.6	5
6	Services	2.4	1.7	-7.5	2.5	2.9	3.1	2.6	1.5	0.3	2.0	2.4	1.7	-10.0	-42.4	37.5	5.3	3.9	11.5	7.9	6
7	Gross private domestic investment	5.7	3.4	-5.5	4.7	8.5	0.7	9.7	2.2	6.4	2.6	1.1	-6.5	-5.3	-48.8	82.1	24.7	-2.3	-3.9	11.7	7
8	Fixed investment	4.8	3.2	-2.7	8.1	6.7	6.0	8.0	1.8	3.7	6.1	3.1	-1.1	-2.3	-30.4	27.5	17.7	13.0	3.3	-0.8	8
9	Nonresidential	6.4	4.3	-5.3	8.4	10.2	6.8	2.8	4.8	4.7	6.7	2.9	-1.7	-8.1	-30.3	18.7	12.5	12.9	9.2	1.8	9
10	Structures	4.0	2.0	-	4.3	20.2	7.1	-4.2	-12.8	4.4	14.3	14.0	-8.0	-0.9	-46.8		-8.2	5.4	-3.0	-7.3	10
11	Equipment	6.4	3.3	-8.3	12.0	5.6	3.0	5.4	10.3	4.4	2.5	-5.1			-36.2		26.4	14.1	12.1	-3.2	11
12	Intellectual property products	8.1	7.2	2.8	6.7	9.6	11.6	4.6	11.0	5.4	7.2	6.0	6.7		-10.6	8.1	10.2	15.6	12.5	12.2	12
13	Residential	-0.6	-0.9	6.8	7.0	-4.2	3.3	-5.8	-8.3	0.1	4.1	3.6	1.1	20.4	-30.7	59.9	34.4	13.3	-11.7	-7.7	13
14	Change in private inventories																				14
	Net exports of goods and services																				15
16	Exports	2.8	-0.1		9.7	1.8	5.0	-6.1	0.5	3.1	-2.2	-0.8		-16.3	-59.9	54.5	22.5	-2.9	7.6	-2.5	16
17	Goods	4.2	-0.1	-	14.4	1.6	11.3	-8.7	1.7	4.1	-5.1	1.1	-0.8	-4.8	-65.0	99.0	25.6	-1.4	6.4	-5.1	17
18	Services	0.2	-0.1		1.5	2.2	-6.1	-0.8	-1.7	1.4	3.6	-4.5		-34.8	-48.6	-4.9	16.0	-6.0	10.4	3.8	18
19	Imports	4.1	1.2		10.7	2.6	1.4	5.9	3.9	0.0	1.7	-1.1			-53.1		31.3	9.3	7.1	6.1	19
20	Goods	5.1	0.5		15.6	4.3	0.3	7.3	2.5	0.0	0.0	-1.5	-9.7		-49.2		30.1	10.6	4.3	-0.1	20
21	Services	0.0	3.9	-22.6	-8.1	-4.9	6.8	0.3	10.4	-0.1	9.3	0.9	-3.8	-33.4	-67.6	29.7	37.5	2.2	23.6	44.4	21
22	Government consumption	1.4	2.2	2.5	2.8	0.9	2.8	1.0	-0.8	2.7	5.0	2.1	3.0	3.7	3.9	-2.1	-0.5	4.2	-2.0	0.8	22
23	expenditures and gross investment Federal	3.0	3.8	<b>2.5</b> 5.0	4.9	1.8	5.1	3.4	1.9	1.4	8.9	3.6	3.5	2.4	20.6	-2.1 -5.4	-3.1	<b>4.2</b> 11.3	-2.0 -5.3	-4.7	23
24	National defense	3.4	5.2	2.9	5.4	-1.2	7.9	3.5	6.8	5.2	4.2	4.5	6.0	-0.7	3.2	1.7	5.3	-5.8	-1.1	-1.4	24
25	Nondefense	2.5	1.6	8.1	4.1	6.3	1.1	3.4	-5.0	-3.9	16.2	2.2	0.0	7.4			-14.1			-9.2	25
26	State and local	0.4	1.3	0.9	1.7	0.3	1.5	-0.5	-2.4	3.5	2.7	1.1	2.7	4.4	-5.5	0.1	1.2	-0.1	0.2	4.4	26
20	Addenda:	0.4	1.0	0.5	1.7	0.0	1.0	-0.0	-2.4	0.0	2.1	1.1	2.1	7.7	-0.0	0.1	1.2	-0.1	0.2	7.7	
27	Gross domestic income (GDI) <sup>1</sup>	2.9	2.0	-2.9	3.2	4.0	0.8	5.1	1.5	2.3	0.8	0.9	3.0	Λ Ω	-32.7	24.4	19.6	6.3	2.3		27
28	Average of GDP and GDI	2.9	2.1	-3.2	3.5	3.6	2.1	3.5	1.2	2.3	2.0	1.9	2.4		-32.0	29.0	11.9	6.3	4.5		28
29	Final sales of domestic product	2.8	2.2	-2.9	4.4	2.8	4.3	0.4	0.8	1.9	3.8	3.1	2.9		-27.6	25.9	3.4	9.1	8.1	-0.1	29
30	Gross domestic purchases	3.1	2.4	-3.0	4.1	3.2	2.9	3.5	1.4	2.0	3.6	2.6	0.5		-30.8	37.8	6.1	7.7	6.7	3.1	30
31	Final sales to domestic purchasers	3.0	2.4	-2.5	4.7	2.9	3.8	2.1	1.3	1.5	4.2	3.0	1.5		-27.3		5.0	10.4	8.0	1.0	31
32	Final sales to private domestic	0.0				2.0	0.0					0.0				20.0	0.0		0.0		
0_	purchasers	3.3	2.4	-3.6	5.0	3.3	4.0	2.3	1.7	1.2	4.1	3.2	1.1	-6.0	-32.8	38.4	6.2	11.8	10.1	1.1	32
33	Gross national product (GNP)	2.8	2.1	-3.6	4.4	2.6	3.0	1.3	1.2	1.7	3.6	2.7	1.6	-5.4	-31.9	34.8	4.9	5.9	6.5		33
34	Disposable personal income	3.4	2.3	6.2	2.0	4.9	3.4	3.3	3.0	3.6	-1.4	2.3	2.4	3.1	48.5	-16.6	-8.3	54.7	-30.2	-5.6	34
	Current-dollar measures:																				
35	GDP	5.4	4.1	-2.2	6.8	5.3	7.1	3.3	3.0	3.7	5.6	4.1	3.6	-3.9	-32.4	38.7	6.6	10.9	13.4	7.8	35
36	GDI	5.4	3.8	-1.8	6.1	6.3	4.4	6.5	3.7	3.5	3.2	2.3	4.7	0.5	-33.9	29.0	22.0	10.9	8.7		36
37	Average of GDP and GDI	5.4	4.0	-2.0	6.5	5.8	5.8	4.9	3.4	3.6	4.4	3.2	4.1	-1.7	-33.1	33.8	14.0	10.9	11.0		37
38	Final sales of domestic product	5.2	4.1	-1.6	7.2	5.3	7.6	2.2	2.8	3.1	6.2	4.6	4.5	-3.1	-28.6	30.4	5.7	14.0	14.9	5.8	38
39	Gross domestic purchases	5.5	4.0	-1.9	7.1	5.9	6.1	4.9	3.3	2.9	5.9	3.7	2.0	-3.6	-31.8	42.4	7.7	11.9	13.0	8.6	39
40	Final sales to domestic purchasers	5.4	3.9	-1.3	7.5	5.8	6.5	3.8	3.1	2.3	6.6	4.1	2.8	-2.9	-28.0	34.0	6.9	14.9	14.5	6.6	40
41	Final sales to private domestic																				
	purchasers	5.4	3.9		7.5	5.9	6.5	3.8	3.3	2.0	6.7	4.3	2.5		-33.5			16.0	16.8	6.7	41
42	GNP	5.3	3.9	-2.4		4.8	6.7	2.7	3.3	2.9	6.0	4.1	3.3		-33.0		7.0		13.1		42
43	Disposable personal income	5.6	3.8	7.5	4.7	7.7	5.8	4.7	4.7	4.1	1.3	3.4	4.1	4.3	46.1	-13.6	-6.9	60.6	-25.7	-0.7	43

<sup>1.</sup> Gross domestic income deflated by the implicit price deflator for gross domestic product. Source: U.S. Bureau of Economic Analysis

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

	T	able 2.	Cont	ributio	ons to	Perce	ent Cl	nange	in Re	al Gr	oss D	omest	ic Pro	duct							
										Sea	asonally		ed at an	nual ra							
Line		2018	2019	2020	2017	01	20		04	01	20		04	01	20:		04	01	2021	02	Line
	Percent change at annual rate:				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1	Gross domestic product	2.9	2.3	-3.4	3.8	3.1	3.4	1.9	0.9	2.4	3.2	2.8	1.9	-5.1	-31.2	33.8	4.5	6.3	6.7	2.0	1
	Percentage points at annual rates:																				_
2	Personal consumption expenditures	1.96	1.48	-2.55	2.88	1.64	2.34	1.79	1.16	0.43	2.37	2.12	1.13			25.51	2.26	7.44	7.92	1.09	2
3	Goods	<b>0.84</b> 0.49	<b>0.71</b> 0.30	<b>0.96</b> 0.54	<b>1.70</b> 1.03	<b>0.30</b> 0.26	<b>0.89</b> 0.50	<b>0.61</b> 0.27	0.44	<b>0.29</b> -0.05	<b>1.42</b> 0.73	<b>0.99</b> 0.58	<b>0.35</b> 0.34	<b>0.04</b> -0.89	<b>-1.89</b> 0.01	<b>9.92</b> 5.49	<b>-0.07</b> 0.10	<b>5.69</b> 3.50	<b>2.99</b> 1.01	<b>-2.32</b> -2.70	3
5	Durable goods  Motor vehicles and parts	0.49	-0.03	0.04	0.43	-0.12	0.09	0.21	-0.03	-0.03	0.73	0.30	0.34	-0.80	0.01	1.89	0.10	1.36		-2.70	5
6	Furnishings and durable	0.10	0.00	0.00	00	02	0.00	0.0.	0.00	0.0.	00	02	00	0.00	02	1.00	0.00		00	2.00	
·	household equipment	0.13	0.06	0.13	0.26	0.11	0.11	0.10	-0.06	0.01	0.17	0.09	0.07	-0.02	-0.08	1.11	-0.12	0.82	0.00	-0.22	6
7	Recreational goods and vehicles	0.20	0.23	0.35	0.30	0.23	0.20	0.15	0.09	0.25	0.37	0.28	0.10	0.10	0.73	1.07	0.01	0.84	0.29	-0.19	7
8	Other durable goods	0.05	0.05	-0.01	0.04	0.04	0.09	0.00	0.07	0.06	0.00	0.08	0.02	-0.17	-0.76	1.42	0.14	0.48	0.24	0.10	8
9	Nondurable goods	0.35	0.40	0.42	0.67	0.05	0.40	0.34	0.37	0.34	0.69	0.41	0.01	0.93	-1.90	4.43	-0.17	2.19	1.98	0.39	9
10	Food and beverages purchased																				
44	for off-premises consumption	0.11	0.10	0.37	0.26	0.04	0.08	0.04	0.08	-0.04	0.29	0.25	-0.06	1.40	-0.18	0.25	-0.18	0.92	0.18	0.00	10
11	Clothing and footwear	-0.05	0.06	-0.07 -0.20	-0.05	-0.01 -0.04	0.06	0.16	-0.02 0.02	0.00	0.14	-0.04	0.16	-0.67 -0.40	-0.91 -0.81	2.08	0.06	0.59	0.66	-0.01 0.21	11 12
13	Gasoline and other energy goods Other nondurable goods	0.19	0.00	0.33	0.35	0.04	0.03	0.17	0.02	0.00	0.03	0.19	-0.01	0.59	0.00	1.36	0.13	0.61	0.43	0.19	13
14	Services	1.13	0.78	-3.52	1.18	1.34	1.45	1.18	0.72	0.14	0.95	1.13	0.77			15.59	2.34	1.75	4.93	3.40	14
15	Household consumption																				
	expenditures (for services)	1.04	0.87	-3.85	1.14	1.15	1.29	1.11	0.37	0.73	1.06	1.12	0.86	-6.24	-23.46	17.38	2.50	2.06	5.35	3.68	15
16	Housing and utilities	0.18	0.11	0.13	0.36	0.10	0.20	0.04	0.33	-0.01	-0.01	0.24	0.14	-0.16	0.59	0.06	0.04	0.24	0.04	0.13	16
17	Health care	0.30	0.37	-0.97	0.25	0.30	0.25	0.61	-0.18	0.64	0.57	0.18	0.33	-1.99	-7.68	7.42	1.50	-0.50	1.10	0.62	17
18	Transportation services	0.10	0.08	-0.59	0.20	0.21	-0.06	-0.09	0.04	0.12	0.17	0.18	0.02	-0.67	-2.98	1.12	0.09	0.09	0.73	0.67	18
19 20	Recreation services	0.06	0.04	-0.82	-0.05	0.24	0.00	0.09	0.02	-0.01	0.11	-0.02	0.10	-1.02	-4.27	2.18	0.10	0.49	0.73	0.34	19
20	Food services and accommodations	0.13	0.10	-1.04	0.12	0.19	0.11	0.33	-0.07	0.04	0.18	0.15	-0.01	-1.68	-5.59	4.40	-0.19	1.13	2.25	0.54	20
21	Financial services and insurance	0.13	-0.06	0.02	0.12	0.19	0.11	0.00	-0.07	-0.16	-0.15	0.13	0.11	-0.10	-0.02	0.43	0.19	0.27	-0.17	0.34	21
22	Other services	0.20	0.24	-0.57	0.16	-0.01	0.71	0.14	0.27	0.11	0.20	0.39	0.18	-0.63	-3.50	1.77	0.62	0.34	0.67	1.12	
23	Final consumption expenditures of	0.00								****											
	nonprofit institutions serving																				
	households	0.09	-0.09	0.33	0.03	0.19	0.16	0.06	0.35	-0.60	-0.11	0.01	-0.08	1.42	1.25	-1.78	-0.16	-0.31	-0.42	-0.27	23
24	Gross output of nonprofit institutions	0.21	0.08	-0.20	0.14	0.12	0.54	0.39	-0.06	0.03	-0.01	0.00	0.02	-0.07	-1.58	0.84	0.66	-0.56	0.32	0.24	24
25	Less: Receipts from sales of																				
	goods and services by nonprofit																				
00	institutions	0.12	0.17	-0.53	0.10	-0.07	0.38	0.33	-0.41	0.62	0.10	-0.01	0.10	-1.48	-2.83	2.62	0.82	-0.25	0.74	0.51	25
26	Gross private domestic investment	0.98	0.60	-0.99	0.81	1.45	0.14	1.64	0.39	1.13	0.48	0.22	-1.18	-0.92	-9.64		4.01	-0.37	-0.65	1.94	26
27 28	Fixed investment Nonresidential	<b>0.82</b> 0.85	<b>0.55</b> 0.59	<b>-0.47</b> -0.73	<b>1.36</b> 1.09	<b>1.14</b> 1.31	<b>1.03</b> 0.90	<b>0.15</b> 0.38	<b>0.31</b> 0.65	<b>0.64</b> 0.63	<b>1.06</b> 0.90	<b>0.54</b> 0.40	<b>-0.19</b> -0.23	<b>-0.41</b> -1.14	<b>-5.63</b> -4.28	<b>4.88</b> 2.72	<b>2.92</b> 1.57	<b>2.25</b> 1.65	<b>0.61</b> 1.21	<b>-0.14</b> 0.24	27 28
29	Structures	0.03	0.06	-0.73	0.13	0.57	0.30	-0.13	-0.42	0.03	0.42	0.40	-0.26	-0.02	-1.77	-0.46	-0.22	0.14	-0.08	-0.19	29
30	Equipment	0.36	0.19	-0.48	0.67	0.32	0.18	0.31	0.57	0.25	0.15	-0.31	-0.29	-1.30	-1.99	2.73	1.29	0.75	0.66	-0.18	30
31	Information processing equipment	0.14	0.07	0.12	0.28	0.20	0.02	0.12	0.02	0.16	0.09	-0.07	0.04	-0.19	0.38	0.75	0.31	0.49	-0.17	-0.12	31
32	Industrial equipment	0.07	0.03	-0.06	0.10	0.08	0.03	0.05	0.11	-0.04	0.08	0.02	-0.16	-0.11	-0.24	0.26	0.21	0.08	0.35	0.14	32
33	Transportation equipment	0.07	0.04	-0.52	0.17	-0.01	-0.06	0.13	0.33	0.13	-0.13	-0.25	-0.11	-0.90	-1.77	1.03	0.61	0.08	0.43	-0.20	33
34 35	Other equipment	0.08	0.05	-0.02 0.14	0.12	0.06	0.18	0.01	0.11	0.00	0.12	0.00	-0.06 0.32	-0.10 0.18	-0.37 -0.51	0.69	0.17	0.10	0.04	0.01	34 35
36	Intellectual property products Software	0.30	0.33	0.14	0.23	0.42	0.26	0.21	0.49	0.25	0.11	0.23	0.32	0.10	-0.07	0.43	0.30	0.70	0.02	0.32	36
37	Research and development	0.14	0.19		0.11	0.16	0.23	0.07	0.28	0.21	0.22	0.10	0.10	-0.01	-0.34	0.28	0.27	0.25	0.28	0.24	37
38	Entertainment, literary, and																				
	artistic originals	0.01	0.01	-0.03	0.02	0.01	0.02	0.01	0.03	0.00	0.00	0.01	0.01	-0.04	-0.10	-0.05	0.02	0.00	0.05	0.04	38
39	Residential	-0.02	-0.04	0.26	0.27	-0.17	0.13	-0.24	-0.34	0.00	0.15	0.14	0.04	0.73	-1.36	2.16	1.34	0.60	-0.60	-0.38	39
40	Change in private inventories	0.16	0.05	-0.52	-0.54	0.31	-0.89	1.50	0.08	0.49	-0.57	-0.32	-0.99	-0.51	-4.01	6.84	1.10	-2.62	-1.26	2.07	40
41	Farm	-0.01 0.17	-0.04 0.09	0.04 -0.56	0.01 -0.56	0.00	-0.02 -0.87	-0.05 1.55	-0.05 0.13	-0.14 0.63	0.04	0.03	0.08	0.03	0.10 -4.11	0.06 6.78	-0.01 1.11	-0.06 -2.56	-0.07 -1.20	-0.06 2.14	41 42
43	Nonfarm  Net exports of goods and services	-0.27	<b>-0.18</b>	-0.36 -0.29	<b>-0.37</b>	<b>-0.16</b>	0.40	<b>-1.66</b>	<b>-0.51</b>	0.03	<b>-0.62</b>	0.07	1.43	<b>-0.05</b>	1.53	-3.25	-1.65	-2.56 -1.56	<b>-0.18</b>		42
44	Exports of goods and services	0.35	-0.10	-1.57	1.17	0.24	0.40	-0.78	0.05	0.36	-0.26	-0.08	0.17	-1.95	-8.34	4.64	2.07	-0.30	0.80	-0.28	44
45	Goods	0.34	0.00		1.10	0.14	0.89	-0.75	0.13	0.31	-0.41	0.10	-0.04	-0.32		4.75	1.59	-0.10	0.48	-0.40	45
46	Services	0.01	0.00	-0.81	0.07	0.10	-0.27	-0.03	-0.08	0.05	0.15	-0.18	0.21	-1.63	-2.09	-0.11	0.49	-0.20	0.32	0.12	46
47	Imports	-0.62	-0.17	1.28	-1.53	-0.40	-0.22	-0.88	-0.57	0.02		0.15	1.26	1.90	9.87	-7.89		-1.26	-0.99	-0.87	47
48	Goods	-0.62	-0.07	0.65	-1.78	-0.54	-0.04	-0.87	-0.29	0.01	0.01	0.19	1.16	0.85	7.27	-7.37	-3.04	-1.21	-0.51	0.02	48
49	Services	0.00	-0.11	0.63	0.24	0.14	-0.18	-0.01	-0.27	0.01	-0.25	-0.03	0.10	1.05	2.59	-0.52	-0.69	-0.05	-0.48	-0.89	49
50						0.45	0.40	0.47		0.47			0.50			0.40					
E1	expenditures and gross investment	0.24	0.38	0.43	0.49	0.15	0.49	0.17	-0.14	0.47	0.86	0.36	0.52	0.63		-0.19	-0.09	0.77	-0.36 -0.38	0.14	50
51 52	Federal National defense	<b>0.20</b> 0.13	<b>0.25</b> 0.20	<b>0.33</b> 0.11	<b>0.31</b> 0.20	<b>0.12</b> -0.05	0.32	<b>0.22</b> 0.13	<b>0.12</b> 0.26	0.09	<b>0.57</b> 0.16	<b>0.23</b> 0.18	<b>0.23</b> 0.23	<b>0.16</b> -0.03	<b>1.42</b> 0.16	<b>-0.32</b> 0.11	<b>-0.22</b> 0.22	<b>0.78</b> -0.25	-0.04	<b>-0.33</b>	51 52
53	Consumption expenditures	0.13	0.20	0.06	0.20	-0.03	0.29	0.13	0.20	0.20	0.10	0.16	0.23	0.03	0.10	0.11	0.22	-0.23	-0.04		53
54	Gross investment	0.04	0.05	0.05	0.11	-0.01	0.01	0.07	0.13	-0.01	-0.03	0.11	0.14	-0.04	0.12	0.00	0.10	0.03	0.05	0.09	54
55	Nondefense	0.07	0.04	0.21	0.11	0.16	0.03	0.09	-0.14	-0.11	0.40	0.06	0.00	0.20	1.26	-0.43	-0.44	1.02			55
56	Consumption expenditures	0.04	0.03	0.18	0.06	0.14	-0.01	0.05	-0.14	-0.10	0.36	0.05	-0.02	0.15	1.27	-0.60	-0.34	1.07	-0.35	-0.32	56
57	Gross investment	0.03	0.02		0.05	0.02	0.04	0.03	0.00	0.00	0.04	0.01	0.03	0.05	-0.01	0.17	-0.10	-0.05	0.01	0.04	57
58	State and local	0.04	0.14	0.10	0.18	0.03	0.17	-0.05	-0.26	0.38	0.29	0.12	0.28	0.47	-0.45	0.13	0.14	-0.01	0.02	0.46	58
59 60	Consumption expenditures	0.04	0.10	0.04	0.04	0.03	0.08	0.07	0.03	0.07	0.12	-0.09	0.26	0.18	-0.38 -0.06	0.20 -0.07	-0.05 0.19	-0.23	-0.26	0.59	59 60
00	Gross investment	0.00	0.03	0.00	0.10	0.00	0.03	-0.12	-0.23	0.01	0.17	-0.03	0.02	0.23	-0.00	-0.07	0.15	-0.23	-0.20	-0.13	00

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

	-				of dollars		and Cha	ngo non				ained (201	2) dollars				т-
			Se		adjusted at	annual rat	es		Se			annual rat		Chang	ge from pre	ceding	
Line		2020		20		2021		2020		120		2021			period 202	)1	Line
			Q3	Q4	Q1	Q2	Q3		Q3	Q4	Q1	Q2	Q3	2020	Q2	Q3	
1	Gross domestic product (GDP)	20,893.7		21,477.6	22,038.2			18,384.7	18,560.8	18,767.8	19,055.7	19,368.3	19,465.2	-648.0	312.7	96.9	) 1
2	Personal consumption expenditures	14,047.6	14,293.8	14,467.6	15,005.4	15,681.7	15,946.2	12,629.9	12,820.8	12,927.9	13,282.7	13,665.6	13,719.3	-496.4	382.9	53.7	2
3	Goods	4,653.8	4,867.2	4,867.3	5,245.0	5,529.8	5,494.2	4,942.5	5,158.9	5,155.0	5,476.6	5,646.7	5,512.4	219.5	170.1	-134.3	3
4	Durable goods	1,616.4	1,753.3	1,759.2	1,957.8	2,092.2	1,984.4	1,884.3	2,030.6	2,036.4	2,253.5	2,316.2	2,147.0	134.6	62.7	-169.2	2 4
5	Motor vehicles and parts	541.3	595.8	602.1	674.9	758.1	655.6	542.0	586.8	589.7	661.2	686.1	565.4	17.1	24.9	-120.7	' 5
6	Furnishings and durable																
	household equipment	390.4	419.3	415.4	461.9	473.7	469.5	444.4	474.3	467.4	517.0	517.1	503.2	31.2	0.1	-13.9	) (
_	Recreational goods and	470.0			4	=00.0		070 -	7000		700.0	044-	700 5	4040	00.5	45.0	
7	vehicles	476.2	509.5	508.7	559.4	580.8	573.4	678.5	726.8	727.7	792.2	814.7	799.5	104.3	22.5	-15.2	
8	Other durable goods	208.5	228.8	233.1	261.7	279.6	285.8	251.8	276.6	285.7	317.0	332.6	339.3	-3.7	15.6	6.7	
9	Nondurable goods	3,037.4	3,113.9	3,108.1	3,287.2	3,437.6	3,509.8	3,080.5	3,159.9	3,151.1	3,269.3	3,377.2	3,398.7	92.4	107.9	21.5	5 9
10	Food and beverages purchased	1,146.7	1,159.5	1,150.0	1,201.5	1,223.4	1,246.4	1,062.0	1,066.8	1,057.9	1,103.3	1,112.1	1,112.1	74.9	8.8	0.0	10
11	for off-premises consumption Clothing and footwear	362.4	394.2	395.6	436.8	477.0	480.0	390.2	428.6	431.8	466.2	505.2	504.6	-16.5	39.0	-0.6	
12	Gasoline and other energy goods	246.8	245.4	247.9	300.3	345.5		386.3	401.2	388.3	393.7	425.5	439.6	-61.3	31.7	14.2	
13	Other nondurable goods	1,281.5	1,314.7	1,314.6	1,348.5	1,391.9	1,404.9	1,196.4	1,223.8	1,229.0	1,259.6	1,294.9	1,304.8	65.8	35.3	9.9	
14	Services	9,393.7	9,426.6	9,600.4		10,151.9	,	7,808.5	7,815.2	,	7,993.4	8,214.3	8,371.0		220.8	156.7	
15	Household consumption	3,030.7	3,420.0	3,000.4	3,100.4	10,101.5	10,402.1	7,000.0	7,010.2	7,517.0	7,000.4	0,214.0	0,071.0	-000.2	220.0	100.7	
	expenditures (for services)	8,872.9	8,932.1	9,109.0	9,281.7	9,684.8	9,984.5	7,393.5	7,422.8	7,531.9	7,622.4	7,863.1	8,033.1	-697.3	240.7	170.0	15
16	Housing and utilities	2,668.1	2,682.6	2,699.7	2,727.2	2,753.4	2,789.1	2,124.3	2,130.7	2,132.5	2,142.4	2,143.9	2,149.8	22.0	1.5	5.9	16
17	Health care	2,308.4	2,369.2	2,457.2	2,464.2	2,534.4	2,579.7	2,051.8	2,094.5	2,164.4	2,140.7	2,193.6	2,224.1	-188.5	52.9	30.4	17
18	Transportation services	363.4	342.5	352.8	356.8	417.3	461.0	337.1	321.2	325.8	330.1	366.5	399.8	-117.3	36.4	33.2	18
19	Recreation services	416.5	405.7	415.0	442.5	490.5	515.5	353.6	344.3	349.0	371.1	404.6	420.4	-152.1	33.5	15.8	19
20	Food services and																П
	accommodations	801.5	829.8	826.1	888.3	1,028.7	1,082.2	663.2	684.3	676.1	725.9	826.4	850.9	-186.5	100.6	24.4	20
	Financial services and																
21	insurance	1,196.3	1,200.5	1,222.0	1,244.9	1,256.4	,	851.6	852.4	864.7	874.7	867.9	878.6	2.3	-6.8	10.7	
22	Other services	1,118.5	1,102.0	1,136.1	1,157.8	1,204.0	1,279.8	1,004.0	986.3	1,015.5	1,031.8	1,064.4	1,120.6	-110.3	32.6	56.2	22
23	Final consumption expenditures of nonprofit institutions serving																
	households	520.9	494.6	491.4	478.7	467.1	467.6	411.4	389.8	383.2	370.1	352.2	340.6	57.3	-18.0	-11.6	2:
24	Gross output of nonprofit																
	institutions	1,644.8	1,640.2	1,685.5	1,672.7	1,708.5	1,744.4	1,369.3	1,359.3	1,388.1	1,363.0	1,377.4	1,388.4	-36.1	14.4	11.0	24
25	Less: Receipts from sales of																
	goods and services by nonprofit																
	institutions	1,123.9	1,145.6	1,194.1	1,194.0	1,241.5	1,276.9	954.2	967.0	1,003.6	992.1	1,026.3	1,050.4	-98.8	34.2	24.2	. 25
	Gross private domestic investment	3,637.8	3,708.8	3,923.2	3,928.0	3,925.1	4,089.8	3,316.2	3,371.0	3,561.9	3,541.3	3,506.0	3,604.3		-35.3	98.3	
27	Fixed investment	3,697.4	3,693.8	3,865.9	4,022.2	4,099.4	,	3,329.4	3,318.5	,	3,564.1	3,593.0	3,586.1	-91.9	28.9	-6.9	
28	Nonresidential	2,799.6	2,776.6	2,862.7	2,956.7	3,029.2	,	2,671.1	2,646.9	2,726.2	2,810.4	2,873.1	2,885.8		62.7	12.8	
29	Structures	597.2	563.5	552.3	565.0	572.8	576.2	494.2	466.0	456.1	462.1	458.6	450.1	-70.8	-3.5	-8.6	
30	Equipment	1,123.9	1,135.5	1,197.5	1,244.5	1,270.4	1,274.9	1,154.0	1,166.6	1,237.1	1,278.5	1,315.7	1,305.0	-104.8	37.2	-10.6	30
31	Information processing	440.0	400.0	447.0	470.4	404.0	450.4	500.0	545.0	500 5	000.4	500.4	F70.0	00.4	40.0	0.0	
00	equipment	413.9	432.2	447.3	472.1	461.9		523.0	545.9	566.5	600.1	588.1	579.3		-12.0		31
32	Industrial equipment	241.7	241.5	253.4	260.8	284.7	298.1	228.8	228.5	238.8	243.0	260.9	268.0		17.9		32
33	Transportation equipment	206.0	191.2	217.1	225.4	231.2		191.3	178.5		212.6	236.1		-103.7	23.5	-11.8	
34	Other equipment	262.3	270.7	279.7	286.3	292.6		240.2	247.7	256.1	260.8	262.9	263.3		2.1		34
35	Intellectual property products	1,078.5	1,077.6	1,112.9	1,147.2	1,186.0		1,031.3	1,027.7		1,091.9	1,124.6	1,157.5		32.7	32.9	
36	Software	453.4	453.6	466.0	484.2	501.3		502.3	503.5	516.1	547.1	565.5	586.5		18.4	21.0	
37	Research and development	537.7	539.9	561.3	576.3	594.5	610.4	458.8	457.1	469.0	480.1	493.0	504.3	4.0	12.9	11.4	31
38	Entertainment, literary,	87.4	84.1	85.6	86.7	90.2	93.9	79.6	77.0	78.0	78.0	80.3	82.4	-5.9	2.3	2.1	38
39	and artistic originals Residential	897.8	917.2	1,003.2	1,065.5	1,070.2		648.0	657.8			708.2	694.2		-22.4	-14.0	_
40	Change in private inventories	-59.6	15.0	57.3	-94.2	-174.3		-42.3	25.3		-88.3	-168.5		-117.4	-80.2	90.8	_
41	Farm	-6.0	-3.6	-2.2	-3.3	-174.3			-2.1	-3.9	-oo.3 -15.7	-100.3	-28.6	9.5	-7.0		40
41	Nonfarm	-53.6	18.6	59.4	-90.9	-169.7				90.2	-74.4	-147.7		-124.3	-73.3		41

<sup>1.</sup> 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

		able 3. G			of dollars							ained (201	2) dollars				
Line			Se	easonally a	adjusted at	annual rat	es		Se	easonally a	idjusted at	annual rat	es	Chang	ge from pr period	eceding	Line
0		2020	20	20		2021		2020	20	20		2021		0000	20	21	
			Q3	Q4	Q1	Q2	Q3		Q3	Q4	Q1	Q2	Q3	2020	Q2	Q3	
43	Net exports of goods and services	-651.2	-725.7	-798.4	-872.5	-881.7	-939.5	-942.7	-1,021.3	-1,132.8	-1,226.1	-1,244.5	-1,311.7	-37.4	-18.4	-67.2	43
44	Exports	2,123.4	2,079.6	2,220.7	2,311.9	2,461.5	2,502.2	2,207.6	2,166.3	2,279.0	2,262.3	2,304.2	2,289.5	-346.4	41.8	-14.7	44
45	Goods	1,416.6	1,413.0	1,520.8	1,607.5	1,726.8	1,750.6	1,606.8	1,608.7	1,703.1	1,696.9	1,723.5	1,701.0	-181.7	26.6	-22.4	45
46	Services	706.8	666.6	699.9	704.4	734.8	751.5	617.2	581.4	603.4	594.1	609.0	614.7	-152.4	14.9	5.7	46
47	Imports	2,774.6	2,805.3	3,019.1	3,184.5	3,343.2	3,441.7	3,150.3	3,187.5	3,411.8	3,488.4	3,548.7	3,601.2	-309.0	60.3	52.5	47
48	Goods	2,309.2	2,368.8	2,540.8	2,698.1	2,819.0	2,858.0	2,750.2	2,823.3	3,015.4	3,092.7	3,125.5	3,124.4	-164.4	32.8	-1.1	48
49	Services	465.4	436.5	478.3	486.4	524.2	583.6	423.8	397.7	430.7	433.0	456.6	500.4	-123.6	23.6	43.9	49
50	Government consumption																
	expenditures and gross																
	investment	3,859.5	3,861.7	3,885.3	3,977.3	4,015.9	4,077.0	3,360.2	3,360.2	3,356.0	3,390.9	3,373.8	3,380.2	80.7	-17.2	6.4	50
51	Federal	1,501.8	1,515.1	1,512.3	1,568.6	1,563.3	1,562.1	1,340.7	1,349.6	1,338.8	1,375.2	1,356.7	1,340.4	63.4	-18.5	-16.3	51
52	National defense	881.3	883.9	900.8	897.1	904.1	911.0	800.9	801.6	812.0	799.9	797.8	795.0	22.4	-2.1	-2.8	52
53	Consumption expenditures	700.5	703.0	713.5	707.4	710.0	710.2	631.3	632.2	637.9	624.6	620.1	612.8	11.7	-4.5	-7.3	53
54	Gross investment	180.9	180.8	187.3	189.7	194.1	200.8	170.1	169.9	174.7	176.1	178.6	183.4	11.0	2.5	4.8	54
55	Nondefense	620.5	631.3	611.5	671.6	659.2	651.1	539.0	547.0	526.7	573.7	557.7	544.4	40.3	-16.0	-13.2	55
56	Consumption expenditures	461.0	466.4	450.6	512.6	498.1	485.7	394.3	397.9	382.3	431.0	414.6	399.6	34.1	-16.4	-15.0	56
57	Gross investment	159.5	164.8	160.9	159.0	161.1	165.3	145.0	149.5	144.8	142.2	142.9	145.0	5.9	0.7	2.2	
58	State and local	2,357.8	2,346.5	2,373.0	2,408.7		2,514.9	2,019.9	2,011.4	2,017.6	2,017.1	2,017.9	2,039.6	18.4	0.8	21.7	58
59	Consumption expenditures	1,916.5		1.924.7	1.966.5				1.639.2	1.636.7	1.646.7	1.659.7	1.687.4	7.0	12.9	27.8	
60	Gross investment	441.2	436.6	448.3	442.2	,	439.4	377.4	372.2	380.9	370.3	358.2	352.2	-	-12.1	-6.0	
	Residual							-101.2	-146.6	-123.8	-121.4	-148.2	-127.9				61
	Addenda:																
62	Gross domestic income (GDI) 1	21 064 3	20,908.5	21 972 6	22 547 9	23 024 3		18 534 8	18 358 8	19 200 3	19 496 4	19,609.7		-559.9	113 3		62
63	Average of GDP and GDI		21,023.6						,			19,489.0					63
64	Final sales of domestic product		21,123.6							,		19,449.3			373.2	-3.3	
65	Gross domestic purchases	,	21,864.3												329.8	155.7	65
66	Final sales to domestic purchasers	21,604.5	21,849.3	22,218.8	23,005.0	23,797.0	24,181.1	19,319.8	19,498.9	19,738.3	20,233.6	20,625.1	20,678.3	-502.3	391.6	53.1	66
67	Final sales to private domestic	17,745.0	17,987.6	18,333.5	19,027.7	19,781.1	20,104.1	15,959.0	16,139.0	16,384.1	16,846.3	17,258.3	17,305.2	-588.3	412.0	46.8	67
68	Gross domestic product	20,893.7	21,138.6	21,477.6	22,038.2	22,741.0	23,173.5	18,384.7	18,560.8	18,767.8	19,055.7	19,368.3	19,465.2	-648.0	312.7	96.9	68
69	Plus: Income receipts from the rest of																
	the world	992.9	996.1	1,043.2	1,081.6	1,112.4		883.7	885.0	922.3	948.3	961.2		-161.5	12.9		69
70	Less: Income payments to the rest of																
	the world	770.6	769.2	792.5	846.7				683.9	702.5	742.4						
71	Equals: Gross national product		21,365.4														
72	Net domestic product	17,317.8	17,547.5	17,838.2	18,342.3	18,953.1	19,280.1	15,168.1	15,337.3	15,520.3	15,780.6	16,063.6	16,133.2	-728.8	283.0	69.6	72

<sup>1.</sup> 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.

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

	Table 4. Price Indexes for	0.000	, 50	icoti		uuot	allu I	Ciato	u mo			adjuste				1 100	cumę	) i Cii	ou		
Line		2018	2019	2020	2017		20	18			20				202	20			2021		Line
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1	Gross domestic product (GDP)	2.4	1.8	1.3	2.7	2.4	3.1	1.8	2.0	1.1	2.3	1.4	1.5	1.6	-1.5	3.6	2.2	4.3	6.1	5.7	1
2	Personal consumption expenditures	2.1	1.5	1.2	2.7	2.7	2.4	1.3	1.6	0.4	2.7	1.1	1.7	1.3	-1.6	3.7	1.5	3.8	6.5	5.3	2
3	Goods	0.7	-0.5	-0.7	1.9	1.9	1.0	-1.1	-0.6	-1.9	2.0	-1.8	0.7	-1.1	-5.6	4.9	0.3	5.9	9.3	7.3	3
4	Durable goods	-1.7	-1.2	-0.8	-2.0	-1.2	-0.8	-1.8	-1.2	-0.5	-0.6	-2.2	-2.7	-1.5	-2.9	7.6	0.2	2.3	16.8	9.6	4
5	Nondurable goods	1.9	-0.1	-0.7	4.0	3.6	2.0	-0.8	-0.4	-2.5	3.4	-1.5	2.5	-0.9	-6.9	3.5	0.4	8.0	5.0	5.9	5
6	Services	2.8	2.4	2.1	3.1	3.0	3.0	2.5	2.7	1.5	3.1	2.5	2.2	2.4	0.4	3.1	2.1	2.8	5.0	4.2	6
7	Gross private domestic investment	1.9	1.6	1.2	1.1	2.2	2.5	1.8	1.2	2.3	1.8	0.8	0.0	1.8	0.3	2.8	1.9	2.8	2.9	5.6	7
8	Fixed investment	1.9	1.6	1.2	1.0	2.3	2.6	1.8	1.3	2.3	1.7	0.9	0.1	1.5	1.3	2.2	1.9	3.7	4.5	6.6	8
9	Nonresidential	0.8	1.3	0.6	0.5	0.4	1.3	1.3	0.9	2.3	1.7	0.2	-0.6	1.3	1.5	0.1	0.4	0.8	0.9	4.2	9
10	Structures	1.6	4.1	1.5	0.1	-0.4	2.2	2.2	6.3	4.6	4.8	2.5	2.1	1.9	-0.6	1.0	0.5	3.9	8.9	10.4	10
11	Equipment	0.1	0.1	-0.4	0.5	-0.5	0.2	1.5	-0.4	0.9	-0.2	-1.2	-0.6	0.7	0.0	-1.7	-2.2	2.2	-3.2	4.8	11
12	Intellectual property products	1.1	0.9	1.4	0.7	1.9	2.0	0.3	-0.8	2.4	1.9	0.6	-2.3	1.6	4.3	1.6	3.2	-2.3	1.5	0.7	12
13	Residential	5.6	2.9	3.3	3.0	9.1	7.0	3.8	2.4	2.4	2.0	3.2	2.4	2.4	0.9	9.3	6.5	12.4	15.3	14.0	13
14	Change in private inventories																				14
15	Net exports of goods and services																				15
16	Exports	3.4	-0.5	-2.5	5.4	3.6	5.3	0.9	-1.6	-3.5	3.7	-2.4	-1.5	-2.1	-17.5	13.4	6.2	21.0	19.4	9.5	16
17	Goods	3.6	-1.6	-4.0	5.5	3.9	6.2	0.6	-3.1	-5.2	2.7	-4.2	-1.4	-4.2	-21.9	16.2	6.9	26.7	25.1	11.3	17
18	Services	3.0	1.7	0.4	5.2	3.0	3.6	1.5	1.3	-0.2	5.5	1.1	-1.6	2.5	-8.7	8.5	4.7	9.2	7.2	5.4	18
19	Imports	2.8	-1.6	-2.2	4.9	6.5	1.6	0.6	-2.5	-4.6	2.8	-3.8	-2.0	-1.1	-11.9	8.0	2.2	13.3	13.4	5.9	19
20	Goods	2.8	-2.1	-2.8	5.4	7.0	1.5	0.3	-3.2	-5.7	3.0	-4.7	-2.7	-1.5	-13.4	8.7	1.8	14.9	14.2	5.8	20
21	Services	3.1	0.9	0.5	2.7	4.2	2.3	2.0	0.3	0.3	1.7	0.0	1.0	0.6	-4.1	4.5	4.9	4.6	9.2	6.4	21
22	Government consumption																				
	expenditures and gross investment	3.7	1.7	1.4	4.2	4.5	3.9	3.2	2.7	0.9	0.8	1.0	1.3	2.8	-0.9	2.4	3.0	5.4	6.1	5.4	22
23	Federal	2.9	1.8	1.1	3.0	3.9	3.0	2.3	3.2	4.3	-2.8	1.3	1.4	1.2	0.2	3.0	2.5	4.0	4.1	4.6	23
24	National defense	2.7	1.6	1.1	2.8	3.9	3.1	2.3	1.8	1.3	1.1	1.3	1.4	0.9	-1.3	3.6	2.5	4.4	4.3	4.5	24
25	Nondefense	3.2	2.2	1.2	3.2	3.8	2.8	2.4	5.3	8.8	-8.3	1.4	1.5	1.7	2.2	2.2	2.5	3.3	3.9	4.8	25
26	State and local	4.1	1.7	1.6	4.9	4.8	4.5	3.7	2.4	-1.0	3.1	0.8	1.2	3.8	-1.5	2.0	3.3	6.3	7.3	5.9	26
	Addenda:																				
27	Final sales of domestic product	2.4	1.8	1.3	2.7	2.4	3.1	1.8	2.0	1.1	2.3	1.4	1.5	1.5	-1.3	3.5	2.2	4.5	6.3	5.9	27
28	Gross domestic purchases	2.3	1.5	1.2	2.7	2.9	2.6	1.7	1.7	0.8	2.2	1.0	1.3	1.6	-1.2	3.3	1.8	3.9	5.8	5.4	28
29	Final sales to domestic purchasers	2.4	1.5	1.2	2.7	2.9	2.7	1.7	1.7	0.8	2.2	1.1	1.4	1.6	-1.0	3.2	1.8	4.1	6.0	5.5	29
30	Final sales to private domestic		4.5	4.0	٠,				4.0		0.5			4.0	4.0	0.4	4.0				
24	purchasers	2.1	1.5	1.2	2.4	2.6	2.4	1.4	1.6	0.8	2.5	1.1	1.4	1.3	-1.0	3.4	1.6	3.8	6.0	5.5	30
31	Gross national product (GNP)	2.4	1.8	1.3	2.7	2.4	3.1	1.8	2.0	1.1	2.3	1.4	1.5	1.6	-1.5	3.6	2.2	4.3	6.1	r	31
32	GDP excluding food and energy 1	2.4	1.9	1.5	2.5	2.8	3.1	1.9	2.1	1.5	2.5	1.6	1.2	2.1	-0.8	3.2	1.9	3.4	5.8	5.0	32
33	Gross domestic purchases excluding		4 -					4.0	4.0	4.0	4.0	4.5		4.0	• •		4-		- 0	4.0	00
	food and energy 1	2.3	1.7	1.4	2.2	2.8	2.7	1.8	1.9	1.3	1.9	1.5	1.1	1.9	-0.4	3.1	1.7	3.2	5.6	4.8	33
34	PCE excluding food and energy 1	2.0	1.7	1.4	2.0	2.4	2.4	1.4	1.9	1.1	2.3	1.8	1.4	1.7		3.5	1.2	2.7	6.1	4.5	34
35	Market-based PCE <sup>2</sup>	1.8	1.3	1.1	2.5	2.2	2.3	1.0	1.3	0.7	2.3	0.7	1.7	1.1	-1.0	2.8	1.3	3.9	5.8	5.2	35
36	Market-based PCE excluding food and																				
	energy 1,2	1.6	1.5	1.3	1.7	1.9	2.3	1.0	1.6	1.6	1.8	1.4	1.2	1.6	0.2	2.5	1.0	2.5	5.3	4.3	36
	Implicit price deflators:																				
37	GDP	2.4	1.8	1.2	2.9	2.2	3.6	1.3	2.1	1.2	2.3	1.3	1.6	1.3	-1.7	3.7	1.9	4.3	6.2	5.7	37
38	Gross domestic purchases	2.3	1.6	1.1	2.9	2.6	3.1	1.3	1.9	0.9	2.2	1.0	1.5	1.3	-1.4	3.3	1.6	3.9	5.9	5.3	38
39	GNP	2.4	1.8	1.2	2.9	2.2	3.6	1.3	2.1	1.2	2.3	1.3	1.6	1.3	-1.7	3.7	2.0	4.3	6.2		39

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

<sup>2.</sup> 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.

Table 5. Real Gross Domestic Product: Annual Percent Change

	i apic .	o. Real	GIUS	ווטע פ	iestic	FIOU	uct. /	Ailliu	ai Pei	Cent					u			_
Line			Do-	oont ob	nnac f	m pros	odina :	voor			Perc		ange fro			er to		1:-
Line		2013		cent cha 2015	ange fro 2016	m pred 2017	eaing : 2018	year 2019	2020	2013	2014	2015	quarter 2016			2040	2020	Line
1	Current demonstration and desert (CDD)		2014															
1	Gross domestic product (GDP)	1.8	2.3	2.7	1.7	2.3	2.9	2.3	-3.4	2.5	2.6	1.9	2.0	2.7	2.3	2.6	-2.3	1
2	Personal consumption expenditures (PCE)	1.5	2.7	3.3	2.5	2.4	2.9	2.2	-3.8	1.9	3.5	2.6	2.3	2.8	2.6	2.3	-2.4	2
3	Goods	3.1	4.1	4.8	3.4	3.9	4.0	3.4	4.6	3.5	5.0	3.8	3.4	5.1	2.7	3.7	7.7	3
4	Durable goods	6.1	7.2	7.6	5.4	6.3	7.0	4.3	7.7	5.0	9.2	6.0	6.3	7.9	3.9	5.8	13.5	4
5	Nondurable goods	1.8	2.6	3.4	2.5	2.7	2.5	2.9	3.1	2.8	3.2	2.8	2.0	3.7	2.0	2.7	4.7	5
6	Services	0.7	2.0	2.6	2.0	1.8	2.4	1.7	-7.5	1.1	2.7	2.1	1.8	1.8	2.5	1.6	-6.9	6
7	Gross private domestic investment	6.9	5.6	5.5	-1.0	4.0	5.7	3.4	-5.5	9.3	5.3	2.3	1.8	4.2	5.2	0.8	2.4	7
8	Fixed investment	5.6	6.6	3.8	2.1	4.1	4.8	3.2	-2.7	5.7	7.0	1.7	2.8	4.7	3.8	2.9	0.5	3
9	Nonresidential	4.1	7.2	2.3	0.9	4.1	6.4	4.3	-5.3	5.4	6.9	-0.1	2.5	4.7	6.1	3.1	-3.8	9
10	Structures	1.3	11.0	-0.9	-4.3	4.2	4.0	2.0	-12.5	6.7	9.3	-7.3	3.6	0.0	1.8	5.8	-20.0	10
11	Equipment	4.7	7.0	3.0	-1.8	2.8	6.4	3.3	-8.3	5.4	5.6	1.5	-2.2	6.4	6.0	-0.9	-0.3	11
12	Intellectual property products	5.4	4.8	3.8	8.8	5.7	8.1	7.2	2.8	4.5	6.9	3.3	8.4	5.8	9.2	6.3	2.5	12
13	Residential	12.4	3.8	10.2	6.6	4.0	-0.6	-0.9	6.8	7.1	7.7	9.2	4.0	4.5	-3.9	2.2	15.7	13
14	Change in private inventories																	14
15	Net exports of goods and services																	15
16	Exports	3.0	3.9	0.3	0.4	4.1	2.8	-0.1		5.2	2.4	-1.5	1.3	5.9	0.2		-10.7	16
17	Goods	2.9	4.5	-0.4	0.6	4.1	4.2	-0.1	-10.2	6.8	2.7	-2.8	2.4	6.0	1.2	-0.2	-4.5	17
18	Services	3.0	2.7	1.5	0.0	4.0	0.2	-0.1	-19.8	1.9	1.9	1.2	-0.7	5.7	-1.6	1.3	-22.0	18
19	Imports	1.2	5.2	5.2	1.5	4.4	4.1	1.2	-8.9	2.9	6.5	3.3	2.2	5.1	3.4	-2.0	0.3	19
20	Goods	2.0	5.6	5.8	1.1	4.5	5.1	0.5	-5.6	3.7	7.0	3.3	2.6	5.5	3.5	-2.9	5.7	20
21	Services	-2.5	3.2	2.5	3.0	4.3	0.0	3.9	-22.6	-1.1	4.3	3.1	0.3	3.5	3.0	1.5	-21.3	2
22	Government consumption expenditures																	
	and gross investment	-2.4	-0.9	1.8	2.0	0.5	1.4	2.2	2.5	-2.4	0.3	2.2	1.6	0.7	1.0	3.2	1.2	22
23	Federal	-5.5	-2.6	0.0	0.5	0.3	3.0	3.8	5.0	-6.1	-1.0	1.2	0.1	1.3	3.0	4.3	3.1	23
24	National defense	-6.7	-4.1	-2.1	-0.6	0.9	3.4	5.2	2.9	-6.5	-3.4	-0.4	-0.6	2.2	4.2	5.0	2.3	
25	Nondefense	-3.5	0.0	3.3	2.1	-0.5	2.5	1.6	8.1	-5.4	2.8	3.7	1.1	0.0	1.4	3.4	4.4	25
26	State and local	-0.3	0.2	3.0	2.8	0.6	0.4	1.3	0.9	0.2	1.2	2.8	2.5	0.4	-0.3	2.5	0.0	2
	Addenda:																	
27	Gross domestic income (GDI) 1	1.4	3.1	2.5	0.9	2.4	2.9	2.0	-2.9	1.3	4.0	1.2	1.2	2.9	2.9	1.8	-0.2	27
28	Average of GDP and GDI	1.6	2.7	2.6	1.3	2.3	2.9	2.1	-3.2	1.9	3.3	1.5	1.6	2.8	2.6	2.2	-1.2	28
29	Final sales of domestic product	1.6	2.4	2.4	2.2	2.3	2.8	2.2	-2.9	1.9	2.8	1.8	2.2	2.8	2.1	2.9	-2.6	29
30	Gross domestic purchases	1.6	2.5	3.4	1.8	2.4	3.1	2.4	-3.0	2.2	3.2	2.5	2.1	2.7	2.7	2.2	-1.0	30
31	Final sales to domestic purchasers	1.4	2.7	3.1	2.3	2.4	3.0	2.4	-2.5	1.7	3.5	2.4	2.3	2.8	2.5	2.5	-1.3	31
32	Final sales to private domestic purchasers	2.2	3.5	3.4	2.4	2.8	3.3	2.4	-3.6	2.6	4.2	2.5	2.4	3.2	2.8	2.4	-1.8	32
33	Gross national product	1.8	2.3	2.6	1.7	2.5	2.8	2.1	-3.6	2.5	2.4	1.9	2.2	3.0	2.0	2.4	-2.3	33
34	Real disposable personal income	-1.2	3.8	4.0	1.8	2.8	3.4	2.3	6.2	-2.6	5.2	2.8	1.6	3.1	3.7	1.7	4.0	34
	Price indexes:																	
35	Gross domestic purchases	1.5	1.7	0.3	0.7	1.9	2.3	1.5	1.2	1.5	1.3	0.1	1.3	2.0	2.2	1.4	1.4	35
36	Gross domestic purchases excluding																	
	food and energy <sup>2</sup>	1.6	1.8	1.0	1.1	1.8	2.3	1.7	1.4	1.7	1.6	0.7	1.5	1.9	2.3	1.4	1.5	36
37	GDP	1.8	1.9	1.0	1.0	1.9	2.4	1.8	1.3	1.8	1.5	0.8	1.5	2.1	2.3		1.5	
38	GDP excluding food and energy <sup>2</sup>	1.8	2.0	1.2	1.3	1.9	2.4	1.9	1.5	2.0	1.7	1.0		2.0	2.5		1.6	
39	PCE	1.4	1.5	0.2	1.0	1.8	2.1	1.5	1.2		1.2	0.2		1.9	2.0		1.2	
40	PCE excluding food and energy <sup>2</sup>	1.5	1.6	1.3	1.6	1.7	2.0	1.7	1.4	1.6	1.5	1.1	1.8	1.7	2.0		1.4	
41	Market-based PCE <sup>3</sup>	1.0	1.1	-0.1	0.7	1.7	1.8	1.7	1.1	0.8	0.7	0.0	1.2	1.5	1.7	1.3	1.0	_
41	Market-based PCE excluding food and	1.0	1.1	-0.1	0.7	1.5	1.0	1.3	1.1	0.0	0.7	0.0	1.2	1.0	1.7	1.3	1.0	4
74		4.0	4.4	4.0	4.0	4.0	4.0	4 5	4.0	4 4	4.4	4.4	4.4	4.0	4 7	4 5	4.0	40
	energy <sup>2,3</sup>	1.2	1.1	1.0	1.3	1.2	1.6	1.5	1.3	1.1	1.1	1.1	1.4	1.2	1.7	1.5	1.3	42

<sup>1.</sup> Gross domestic income deflated by the implicit price deflator for gross domestic product.

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

<sup>3.</sup> 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.

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

	Table 6. Real Gross D		Stic P			ercen	t Cha			Quar	ter C			go				
Line		2017	0.1	20			0.4	20	-				20		0.4	2021		Line
4	Overall and Carried at (ODD)	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1	Gross domestic product (GDP)	2.7	3.0	3.3	3.1	2.3	2.2	2.1	2.3	2.6	0.6	-9.1	-2.9	-2.3	0.5	12.2	4.9	1
2	Personal consumption expenditures (PCE)	2.8	2.7	3.1	3.2	2.6	2.1	2.1	2.3	2.3	0.3	-10.2	<b>-2.8</b> 8.3	-2.4	2.1	16.2	7.0	2
3	Goods	5.1	4.6	4.5	4.2	2.7	2.6	3.3	3.8	3.7	3.4	-0.9		7.7	14.3	21.0	6.9	3
4	Durable goods	7.9	8.1	8.8	7.3	3.9	2.8	3.7	4.8	5.8	2.6	-0.3	14.5	13.5	29.6	33.8	5.7	4
5	Nondurable goods	3.7 1.8	2.8	2.4	2.6	2.0	2.6 1.9	3.1 1.6	3.3	2.7	3.8	-1.2 -14.3	5.0 -7.7	4.7 -6.9	6.8 -3.5	14.5	7.6 7.1	5
	Services	4.2	1.9 <b>6.6</b>	5.0	5.9	5.2	4.7	5.2	3.1	1.6 <b>0.8</b>	-2.1	-14.3 -17.7	-1.1 -4.7	-0.9 <b>2.4</b>	-3.5 <b>3.2</b>	13.8 <b>20.8</b>	6.9	7
7	Gross private domestic investment											-8.8						
8	Fixed investment	4.7	4.8 5.9	5.3	5.4	3.8 6.1	3.0 4.8	3.1 4.7	3.6 4.8	2.9	1.4	-0.8	-3.8 -7.0	0.5 -3.8	4.2 1.3	15.0 13.3	8.1	8
9	Nonresidential	4.7 0.0	2.9	6.6 4.7	7.0 6.5	1.8	-1.7	-0.1	4.0	5.8		-10.3			-18.7	-5.6	9.0	10
11	Structures	6.4	7.3	5.9	6.4	6.0	5.7	5.6	2.9	-0.9		-13.7	-7.1		9.4		11.9	11
12	Equipment	5.8	6.3	8.8	8.1	9.2	8.1	7.0	7.4	6.3	5.9	1.2	1.7	-0.3 2.5	5.3	26.0 11.6	12.6	12
13	Intellectual property products Residential	4.5	0.8	0.0	-0.1	-3.9	-2.8	-2.6	-0.3	2.2	7.0	-3.3	7.7	15.7	13.9	21.1	5.5	13
14		4.5	0.0	0.9	-U. I									15.7	13.9	21.1	5.5	14
	Change in private inventories																	15
15	Net exports of goods and services	5.9	3.9	4.8	2.4	0.2	0.5	-1.2	0.1	0.3		-23.8	14.0	10.7	-7.4	10.6		16
16 17	Exports Goods	6.0	4.3	7.2	2.4 4.2	1.2	1.8	-1.2	0.1	-0.2		-23.0	-9.9	-4.5	-7.4	18.6	5.7 5.7	17
18		5.7	3.1	0.3	-0.8	-1.6	-1.8	0.6	-0.3	1.3						3.4	5.7	18
19	Services	5.1	4.3	3.6	5.1	3.4	2.8	2.8	1.1	-2.0		-23.9	-8.3	-22.0 0.3	6.2	30.6	13.0	19
20	Imports Goods	5.5	5.4	4.6	6.7	3.5	2.5	2.6	0.2	-2.0		-19.6	-3.6	5.7	10.5	32.3	10.7	20
21	Services	3.5	-0.6	-0.8	-1.7	3.0	4.3	4.9	5.0	1.5				-21.3		22.5	25.8	21
22		3.3	-0.0	-0.0	-1.7	3.0	4.3	4.3	3.0	1.5	-0.5	-32.4	-20.0	-21.3	-12.4	22.5	23.0	21
22	and gross investment	0.7	1.1	1.5	1.9	1.0	1.4	2.0	2.2	3.2	3.4	3.2	2.1	1.2	1.3	-0.1	0.6	22
23	Federal	1.3	2.5	2.9	3.8	3.0	2.9	3.9	3.9	4.3	4.6	7.3	4.9	3.1	5.3	-0.9	-0.7	23
24	National defense	2.2	2.8	2.7	3.8	4.2	5.8	4.9	5.2	5.0	3.5	3.2	2.5	2.3	1.0	0.0	-0.8	24
25	Nondefense	0.0	1.9	3.2	3.7	1.4	-1.2	2.3	2.0	3.4	6.3	13.3	8.4	4.4	11.7	-1.9	-0.5	25
26	State and local	0.4	0.4	0.8	0.8	-0.3	0.5	0.8	1.2	2.5	2.7	0.6	0.4	0.0	-1.1	0.3	1.4	26
20	Addenda:	0.4	0.4	0.0	0.0	0.0	0.0	0.0	1.2	2.0	2.1	0.0	0.4	0.0	1	0.0	1	20
27	Gross domestic income (GDI) <sup>1</sup>	2.9	3.1	2.5	3.3	2.9	2.4	2.4	1.4	1.8	1.0	-8.7	-3.8	-0.2	1.6	12.8		27
28	Average of GDP and GDI	2.8	3.0	2.9	3.2	2.6	2.3	2.3	1.9	2.2	0.8	-8.9	-3.4	-1.2	1.1	12.5		28
29	Final sales of domestic product	2.8	2.7	3.3	3.0	2.1	1.9	1.7	2.4	2.9	1.3	-7.5	-2.7	-2.6	0.7	11.3	5.1	29
30	Gross domestic purchases	2.7	3.1	3.2	3.4	2.7	2.4	2.6	2.4	2.2	0.4	-9.2	-2.3	-1.0	2.1	13.8	5.9	30
31	Final sales to domestic purchasers	2.8	2.8	3.2	3.3	2.5	2.1	2.3	2.5	2.5	1.0	-7.7	-2.2	-1.3	2.3	12.9	6.0	31
32	Final sales to private domestic purchasers	3.2	3.1	3.6	3.6	2.8	2.3	2.3	2.5	2.4	0.5	-9.9	-3.0	-1.8	2.5	16.0	7.2	32
33	Gross national product	3.0	3.2	3.4	2.8	2.0	1.8	1.9	2.3	2.4	0.5	-9.5	-3.1	-2.3	0.5	12.4		33
34	Real disposable personal income	3.1	3.3	3.2	3.4	3.7	3.3	2.1	1.9	1.7	1.6	12.5	6.9	4.0	15.1	-4.7	-1.7	34
٠.	Price indexes:		0.0	0.2	• • • • • • • • • • • • • • • • • • • •	0	0.0			•••			0.0				•••	٠.
35	Gross domestic purchases	2.0	2.2	2.5	2.5	2.2	1.7	1.6	1.5	1.4	1.6	0.7	1.3	1.4	2.0	3.7	4.2	35
36	Gross domestic purchases excluding				=										=			
	food and energy <sup>2</sup>	1.9	2.1	2.4	2.4	2.3	1.9	1.7	1.6	1.4	1.6	1.0	1.4	1.5	1.9	3.4	3.8	36
37	GDP	2.1	2.2	2.6	2.5	2.3	2.0	1.8	1.7	1.6	1.7	0.7	1.3	1.5	2.1	4.1	4.6	37
38	GDP excluding food and energy <sup>2</sup>	2.0	2.2	2.5	2.6	2.5	2.1	2.0	1.9	1.7	1.8	1.0	1.4	1.6	1.9	3.6	4.0	38
39	PCE	1.9	2.0	2.3	2.3	2.0	1.4	1.5	1.5	1.5	1.7	0.6	1.2	1.2	1.8	3.9	4.3	39
40	PCE excluding food and energy <sup>2</sup>	1.7	1.9	2.1	2.1	2.0	1.7	1.7	1.8	1.6	1.8	1.0	1.5	1.4	1.7	3.4	3.6	40
41	Market-based PCE <sup>3</sup>	1.7	1.5	2.0	2.0	1.7	1.3	1.3	1.2	1.3	1.4	0.6	1.1	1.0	1.8	3.5	4.1	
42	Market-based PCE excluding food and	1.5	1.0	2.0	2.0	1.7	1.0	1.0	1.2	1.0	1.4	0.0	1.1	1.0	1.0	0.0	7.1	71
72	energy <sup>2,3</sup>	1.2	1.3	1.7	1.7	1.7	1.6	1.5	1.6	1.5	1.5	1.1	1.4	1.3	1.5	2.8	2 2	42
	спану	1.2	1.3	1.7	1.7	1.7	1.0	1.5	1.0	1.5	1.0	1.1	1.4	1.3	1.5	2.0	٥.٥	42

<sup>1.</sup> Gross domestic income deflated by the implicit price deflator for gross domestic product.

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

<sup>3.</sup> 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]

		ons or dollar			Se	easonally a	adjusted at	annual rat	es	
Line		2018	2019	2020	20	20		2021		Line
					Q3	Q4	Q1	Q2	Q3	
1	Gross domestic product (GDP)	20,527.2	21,372.6	20,893.7	21,138.6	21,477.6	22,038.2	22,741.0	23,173.5	1
2	Plus: Income receipts from the rest of the world	1,142.1	1,160.3	992.9	996.1	1,043.2	1,081.6	1,112.4		2
3	Less: Income payments to the rest of the world	847.9	893.9	770.6	769.2	792.5	846.7	882.0		3
4	Equals: Gross national product	20,821.3	21,639.0	21,116.1	21,365.4	21,728.2	22,273.1	22,971.4		4
5	Less: Consumption of fixed capital	3,273.4	3,435.6	3,575.9	3,591.0	3,639.4	3,696.0	3,787.9	3,893.4	5
6	Less: Statistical discrepancy	-125.5	-69.7	-170.6	230.0	-495.0	-509.7	-283.4		6
7	Equals: National income	17,673.3	18,273.1	17,710.7	17,544.3	18,583.8	19,086.8	19,466.8		7
8	Compensation of employees	10,959.5	11,447.7	11,572.2	11,539.7	11,964.2	12,088.9	12,308.3	12,575.7	8
9	Wages and salaries	8,900.5	9,323.5	9,444.1	9,410.3	9,783.0	9,879.2	10,079.1	10,319.0	9
10	Supplements to wages and salaries	2,059.0	2,124.2	2,128.0	2,129.4	2,181.1	2,209.7	2,229.2	2,256.7	10
11	Proprietors' income with inventory valuation and capital									
	consumption adjustments	1,580.4	1,598.9	1,650.0	1,760.7	1,730.0	1,714.0	1,848.2	1,850.6	11
12	Rental income of persons with capital consumption									
	adjustment	681.9	692.1	711.6	714.5	710.0	716.9	716.3	729.3	12
13	Corporate profits with inventory valuation and capital									
	consumption adjustments	2,305.0	,	•	,	,	,	,		13
14	Net interest and miscellaneous payments	598.7	558.2	618.8	623.0	666.1	695.2	693.6	688.8	
15	Taxes on production and imports less subsidies	1,398.4	1,459.4	773.3	322.9	937.8	,	930.7	1,103.7	15
16	Business current transfer payments (net)	158.0	162.3	158.6	165.8	166.3		166.0	162.4	16
17	Current surplus of government enterprises	-8.6	-13.3	-17.5	-17.7	-18.1	-19.3	-15.4	-10.6	17
	Addenda:									
18	Gross domestic income (GDI)						22,547.9			18
19	Average of GDP and GDI		•	•			22,293.1	•		
20	Statistical discrepancy as a percentage of GDP	-0.6	-0.3	-0.8	1.1	-2.3	-2.3	-1.2		20

Table 8. Personal Income and Its Disposition

[Billions of dollars]

		[Billions of	f dollars]							
					Se	easonally a	djusted at	annual rat	es	
Line		2018	2019	2020	20	20		2021		Line
					Q3	Q4	Q1	Q2	Q3	
1	Personal income <sup>1</sup>	17,706.0	18,424.4	19,627.6	19,777.4	19,542.0	21,867.3	20,575.1	20,622.9	1
2	Compensation of employees	10,959.5	11,447.7	11,572.2	11,539.7	11,964.2	12,088.9	12,308.3	12,575.7	2
3	Wages and salaries	8,900.5	9,323.5	9,444.1	9,410.3	9,783.0	9,879.2	10,079.1	10,319.0	3
4	Supplements to wages and salaries	2,059.0	2,124.2	2,128.0	2,129.4	2,181.1	2,209.7	2,229.2	2,256.7	4
5	Proprietors' income with inventory valuation and									
	capital consumption adjustments	1,580.4	1,598.9	1,650.0	1,760.7	1,730.0	1,714.0	1,848.2	1,850.6	5
6	Farm	38.9	38.4	70.2	69.2	108.5	73.0	119.4	110.1	6
7	Nonfarm	1,541.5	1,560.5	1,579.9	1,691.5	1,621.5	1,640.9	1,728.7	1,740.5	7
8	Rental income of persons with capital consumption adjustment	681.9	692.1	711.6	714.5	710.0	716.9	716.3	729.3	8
9	Personal income receipts on assets	2,868.3	2,968.0	2,912.1	2,851.7	2,909.6	2,898.8	2,932.1	2,949.6	9
10	Personal interest income	1,615.0	1,652.0	1,614.4	1,597.6	1,610.3	1,630.2	1,639.4	1,641.3	10
11	Personal dividend income	1,253.3	1,316.0	1,297.8	1,254.2	1,299.2	1,268.7	1,292.8	1,308.4	11
12	Personal current transfer receipts	2,976.3	3,139.1	4,241.1	4,369.4	3,729.5	5,982.5	4,329.0	4,106.7	12
13	Less: Contributions for government social insurance, domestic	1,360.5	1,421.4	1,459.5	1,458.7	1,501.3	1,533.8	1,558.7	1,589.0	13
14	Less: Personal current taxes	2,076.3	2,205.1	2,195.6	2,181.8	2,259.8	2,412.1	2,514.8	2,592.1	14
15	Equals: Disposable personal income	15,629.7	16,219.3	17,432.0	17,595.7	17,282.2	19,455.3	18,060.3	18,030.9	15
16	Less: Personal outlays	14,438.8	14,981.5	14,544.5	14,774.3	14,936.8	15,475.6	16,165.0	16,433.2	16
17	Equals: Personal saving	1,190.9	1,237.8	2,887.5	2,821.3	2,345.5	3,979.7	1,895.3	1,597.7	17
18	Personal saving as a percentage of disposable personal income	7.6	7.6	16.6	16.0	13.6	20.5	10.5	8.9	18
	Addenda:									
19	Personal income excluding current transfer receipts,									
	billions of chained (2012) dollars <sup>2</sup>	13,598.5	13,905.6	13,833.7	13,820.2	14,129.7	14,061.1	14,157.4	14,209.7	19
20	Disposable personal income, billions of chained (2012)									
	dollars <sup>2</sup>	14,429.4	14,755.2	15,672.8	15,782.4	15,443.0	17,221.6	15,738.4	15,512.8	20

<sup>1.</sup> 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.

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

		1 61	Cent	σπαπί	ge tror		cum	9 1 611	ou an		asonally					je –					
Line		2018	2019	2020	2017		20	18			20	19			20	)20			2021		Line
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
						Percen	t chang	ge from	prece	ding pe	riod										
	Gross domestic product (GDP) and related aggregates:																				
1	GDP	2.9	2.3	-3.4	3.8	3.1	3.4	1.9	0.9	2.4	3.2	2.8	1.9	-5.1	-31.2	33.8	4.5	6.3	6.7	2.0	1
2	Goods	5.2	4.3	0.3	5.4	3.4	5.5	3.7	5.4	5.4	3.2	3.5	2.3	-3.7	-28.7	62.9	4.6	10.8	9.8	-0.3	2
3	Services	2.1	1.5	-5.5	2.7	2.8	2.2	2.2	0.6	0.6	2.5	2.0	2.3	-8.0	-32.3	23.8	3.1	4.2	7.9	4.7	3
4	Structures	1.1	0.8	-0.9	6.6	4.3	5.1	-5.2	-11.5	5.7	8.7	5.6	-2.4	12.2	-32.0	15.6	14.7	5.0	-10.0	-7.3	4
5	Motor vehicle output	7.9	0.2	-12.7	35.3	6.7	3.4	-1.8	10.5	-10.5	2.3	11.7	-11.3	-30.7	-87.1	1,236.8	-12.8	1.1	-14.1	-41.6	5
6	GDP excluding motor vehicle output	2.8	2.4	-3.1	3.0	3.0	3.4	2.0	0.6	2.8	3.2	2.5	2.3	-4.3	-28.8	27.0	5.1	6.4	7.4	3.5	6
7	Nonfarm business gross																				
	value added 1	3.5	2.7	-4.4	4.7	3.6	3.9	2.2	1.1	3.4	3.6	3.2	1.8	-7.4	-36.9	44.6	6.2	8.4	8.5	1.7	7
				Conti	ribution	s to pe	rcent c	hange	in real (	gross d	lomesti	c prod	uct								
•	Percent change at annual rate:																				
8	Gross domestic product	2.9	2.3	-3.4	3.8	3.1	3.4	1.9	0.9	2.4	3.2	2.8	1.9	-5.1	-31.2	33.8	4.5	6.3	6.7	2.0	8
	Percentage points at annual rates:	2.9	2.3	-3.4	3.0	3.1	3.4	1.9	0.9	2.4	3.2	2.0	1.9	-5.1	-31.2	33.0	4.5	0.3	0.7	2.0	0
9	Goods	1.53	1.27	0.08	1.59	1.01	1.60	1.07	1.54	1.57	0.97	1.05	0.69	-1.06	-7.34	17.63	1.46	3.31	3.05	-0.09	9
10	Services	1.30	0.95	-3.41	1.68	1.71	1.35	1.33	0.39	0.37	1.53	1.25	1.40	-5.07	-20.79	14.68	1.86	2.52	4.62	2.77	10
11	Structures	0.09	0.07	-0.07	0.55	0.37	0.43	-0.46	-1.03	0.47	0.72	0.47	-0.20	1.01	-3.11	1.47	1.22	0.45	-0.94	-0.66	11
12	Motor vehicle output	0.22	0.00	-0.35	0.84	0.19	0.10	-0.05	0.29	-0.31	0.06	0.30	-0.34	-0.95	-3.93	5.97	-0.40	0.03	-0.42	-1.39	12

<sup>1.</sup> 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

				Billions	of chain				Perce	nt cha	ange fr	om qu	arter c	ne yea	ar ago						
Line			2019			20	20			2021		201	19		20	20			2021		Line
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1	Gross domestic product (GDP)	4,750.3	4,796.8	4,900.9	4,615.6	4,302.0	4,660.4	4,806.7	4,631.3	4,842.2	4,877.4	2.3	2.7	0.7	-9.4	-2.8	-1.9	0.3	12.6	4.7	1
2	Personal consumption																				
	expenditures	3,271.3	3,288.8	3,414.9	3,164.5	2,932.4	3,191.3	3,341.8	3,226.6	3,411.7	3,421.5	2.3	2.5	0.4	-10.4	-3.0	-2.1	2.0	16.3	7.2	2
3	Gross private domestic investment	883.7	922.1	858.0	827.9	713.7	891.5	883.2	832.5	869.8	935.3	3.1	-0.1	-2.2	-19.2	-3.3	2.9	0.6	21.9	4.9	3
4	Net exports of goods and services	-237.2	-253.6	-211.0	-190.2	-194.6	-273.6	-284.3	-272.1	-310.9	-349.0										4
5	Exports	641.6	637.2	653.4	600.2	483.4	535.8	588.1	556.3	575.0	566.5	0.1	0.6	-3.5	-24.7	-15.9	-10.0	-7.3	18.9	5.7	5
6	Imports	878.9	890.8	864.4	790.4	678.1	809.4	872.4	828.4	885.8	915.5	1.9	-2.1	-4.2	-22.8	-9.1	0.9	4.8	30.6	13.1	6
7	Government consumption expenditures and gross investment	824.5	830.2	837.9	815.3	850.8	841.2	852.8	832.3	855.4	850.1	2.4	3.7	3.6	3.2	1.3	1.8	2.1	0.5	1.1	7
	Addenda: Current dollar measures: (Billions of dollars)																				
8	GDP	5,344.9	5,398.2	5,512.8	5,224.5	4,876.9	5,302.3	5,490.1	5,367.8	5,711.8	5,818.9	4.0	4.4	2.1	-8.8	-1.8	-0.4	2.7	17.1	9.7	8
9	Gross domestic income	5,252.3	5,321.6	5,529.5	5,493.0	4,806.8	5,133.4	5,631.1	5,692.0	5,673.0		4.0	3.6	2.9	-8.5	-3.5	1.8	3.6	18.0		9