



# NEWS RELEASE



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## GROSS DOMESTIC PRODUCT: THIRD QUARTER 2015 (ADVANCE ESTIMATE)

**Real gross domestic product** -- 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, adjusted for price changes -- increased at an annual rate of 1.5 percent in the third quarter of 2015, according to the "advance" estimate released by the Bureau of Economic Analysis. In the second quarter, real GDP increased 3.9 percent.

The Bureau emphasized that the third-quarter advance estimate released today is based on source data that are incomplete or subject to further revision by the source agency (see the box on page 2 and "Comparisons of Revisions to GDP" on page 4). The "second" estimate for the third quarter, based on more complete data, will be released on November 24, 2015.

The increase in real GDP in the third quarter primarily reflected positive contributions from personal consumption expenditures (PCE), state and local government spending, nonresidential fixed investment, exports, and residential fixed investment that were partly offset by negative contributions from private inventory investment. Imports, which are a subtraction in the calculation of GDP, increased.

Real GDP increased 1.5 percent in the third quarter, after increasing 3.9 percent in the second. The deceleration in real GDP in the third quarter primarily reflected a downturn in private inventory investment and decelerations in exports, in nonresidential fixed investment, in PCE, in state and local government spending, and in residential fixed investment that were partly offset by a deceleration in imports.

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NOTE. Quarterly estimates are expressed at seasonally adjusted annual rates, unless otherwise specified. Percent changes are calculated from unrounded data and are annualized. "Real" estimates are in chained (2009) dollars. Price indexes are chain-type measures.

This news release is available on [BEA's Web site](#).

**Real gross domestic purchases** -- purchases by U.S. residents of goods and services wherever produced -- increased 1.5 percent in the third quarter, compared with an increase of 3.6 percent in the second.

**Current-dollar GDP** -- the market value of the goods and services produced by the nation's economy less the value of the goods and services used up in production -- increased 2.7 percent, or \$121.1 billion, in the third quarter to a level of \$18,034.8 billion. In the second quarter, current-dollar GDP increased 6.1 percent, or \$264.4 billion.

### **Disposition of personal income**

**Current-dollar personal income** increased \$171.6 billion in the third quarter, compared with an increase of \$139.5 billion in the second. The acceleration in personal income primarily reflected an acceleration in wages and salaries and an upturn in farm proprietors' income that were partly offset by a deceleration in personal interest income.

**Personal current taxes** increased \$15.8 billion in the third quarter, compared with an increase of \$27.3 billion in the second.

**Disposable personal income** increased \$155.9 billion, or 4.8 percent, in the third quarter, compared with an increase of \$112.2 billion, or 3.4 percent, in the second. **Real disposable personal income** increased 3.5 percent, compared with an increase of 1.2 percent.

**Personal outlays** increased \$136.6 billion in the third quarter, compared with an increase of \$182.3 billion in the second.

**Personal saving** -- disposable personal income less personal outlays -- was \$636.7 billion in the third quarter, compared with \$617.5 billion in the second.

The **personal saving rate** -- personal saving as a percentage of disposable personal income -- was 4.7 percent in the third quarter, compared with an increase of 4.6 percent in the second. For a comparison of personal saving in BEA's national income and product accounts with personal saving in the Federal Reserve Board's financial accounts of the United States and data on changes in net worth, go to [www.bea.gov/national/nipaweb/Nipa-Frb.asp](http://www.bea.gov/national/nipaweb/Nipa-Frb.asp).

Information on the assumptions used for unavailable source data is provided in a technical note that is posted with the news release on BEA's Web site. Within a few days after the release, a detailed "Key Source Data and Assumptions" file is posted on the Web site. In the middle of each month, an analysis of the current quarterly estimate of GDP and related series is made available on the Web site; click on *Survey of Current Business*, "GDP and the Economy." For information on revisions, see "[Revisions to GDP, GDI, and Their Major Components](#)."

BEA's national, international, regional, and industry estimates; the *Survey of Current Business*; and BEA news releases are available without charge on BEA's Web site at [www.bea.gov](http://www.bea.gov). By visiting the site, you can also subscribe to receive free e-mail summaries of BEA releases and announcements.

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Next release -- November 24, 2015 at 8:30 A.M. EST for:  
 Gross Domestic Product: Third Quarter 2015 (Second Estimate)  
 Corporate Profits: Third Quarter 2015 (Preliminary Estimate)

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#### Release Dates in 2016

Estimate	2015: IV   2015 annual	2016: I	2016: II	2016: III
<b>Gross Domestic Product</b>				
<b>Advance</b>	January 29	April 28	July 29	October 28
<b>Second</b>	February 26	May 27	August 26	November 29
<b>Third</b>	March 25	June 28	September 29	December 22
<b>Corporate Profits</b>				
<b>Preliminary</b>	...	May 27	August 26	November 29
<b>Revised</b>	March 25	June 28	September 29	December 22

## Comparisons of Revisions to GDP

Current quarterly estimates of GDP are released on the following schedule: "Advance" estimates, based on source data that are incomplete or subject to further revision by the source agency, are released near the end of the first month following the end of the quarter; as more detailed and more comprehensive data become available, "second" and "third" estimates are released near the end of the second and third months, respectively. "Latest" quarterly estimates reflect the results of both annual and comprehensive revisions, which are typically released in late July.

Annual revisions generally cover at least the 3 most recent calendar years (and the associated quarters) and incorporate newly available major annual source data. Comprehensive (or benchmark) revisions are carried out at about 5-year intervals and incorporate major periodic source data, as well as improvements in concepts and methods that update the accounts to portray more accurately the evolving U.S. economy.

The table below presents the average revisions to the quarterly percent changes in real and current-dollar GDP for the different estimate vintages. From the advance estimate to the second estimate (1 month later), the average revision to real GDP growth without regard to sign is 0.5 percentage point, while from the advance estimate to the third estimate (2 months later), it is 0.6 percentage point. From the advance estimate to the latest estimate, the average revision without regard to sign is 1.2 percentage points. Larger average revisions for the latest estimates reflect the fact that comprehensive revisions include major improvements to the accounts, such as the incorporation of BEA's latest benchmark input-output accounts. The current quarterly estimates correctly indicate the direction of change in real GDP 96 percent of the time, correctly indicate whether GDP is accelerating or decelerating about 75 percent of the time, and correctly indicate whether real GDP growth is above, near, or below trend growth about 83 percent of the time.

### Revisions to Quarterly Percent Changes of GDP: Vintage Comparisons

[Annual rates]

Vintages compared	Average	Average without regard to sign	Standard deviation of revisions without regard to sign
<b>Real GDP</b>			
Advance to second	0.1	0.5	0.4
Advance to third	0.1	0.6	0.5
Second to third	0.0	0.2	0.3
Advance to latest	-0.1	1.2	1.0
<b>Current-dollar GDP</b>			
Advance to second	0.1	0.5	0.4
Advance to third	0.2	0.7	0.5
Second to third	0.1	0.3	0.3
Advance to latest	0.1	1.3	1.0

These comparisons are based on the period from 1993 through 2014.

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

Line		2012	2013	2014	Seasonally adjusted at annual rates															Line	
					2011	2012				2013				2014				2015			
					IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II		III
1	<b>Gross domestic product (GDP) .....</b>	2.2	1.5	2.4	4.6	2.7	1.9	0.5	0.1	1.9	1.1	3.0	3.8	-0.9	4.6	4.3	2.1	0.6	3.9	1.5	1
2	<b>Personal consumption expenditures .....</b>	1.5	1.7	2.7	1.4	2.4	0.7	1.1	1.1	2.5	1.4	1.7	3.5	1.3	3.8	3.5	4.3	1.8	3.6	3.2	2
3	Goods.....	2.7	3.1	3.3	3.9	4.9	1.1	2.7	2.3	6.1	1.2	2.6	3.1	1.1	6.7	4.1	4.1	1.1	5.5	4.5	3
4	Durable goods .....	7.4	5.8	5.9	12.0	11.4	2.8	6.8	8.1	8.8	2.2	3.2	4.1	2.6	13.9	7.5	6.1	2.0	8.0	6.7	4
5	Nondurable goods .....	0.6	1.9	2.1	0.5	2.0	0.4	0.9	-0.3	4.8	0.7	2.3	2.6	0.4	3.4	2.4	3.2	0.7	4.3	3.5	5
6	Services .....	0.8	1.0	2.4	0.1	1.2	0.5	0.2	0.5	0.7	1.5	1.2	3.7	1.4	2.4	3.1	4.3	2.1	2.7	2.6	6
7	<b>Gross private domestic investment .....</b>	10.6	4.5	5.4	32.1	9.7	10.2	-1.1	-3.2	7.1	5.2	13.7	4.2	-2.5	12.6	7.4	2.1	8.6	5.0	-5.6	7
8	Fixed investment .....	9.8	4.2	5.3	9.9	14.7	6.9	0.1	6.9	4.9	2.6	3.8	5.1	6.0	5.6	7.9	2.5	3.3	5.2	2.9	8
9	Nonresidential.....	9.0	3.0	6.2	9.5	12.2	7.5	-2.1	3.7	4.0	1.0	3.5	8.7	8.3	4.4	9.0	0.7	1.6	4.1	2.1	9
10	Structures .....	12.9	1.6	8.1	13.8	19.9	10.3	-4.0	-7.3	-6.0	11.7	17.9	4.0	19.1	-0.2	-1.9	4.3	-7.4	6.2	-4.0	10
11	Equipment.....	10.8	3.2	5.8	9.4	16.0	8.8	-3.3	7.3	6.3	-0.8	-3.8	14.7	3.5	6.5	16.4	-4.9	2.3	0.3	5.3	11
12	Intellectual property products .....	3.9	3.8	5.2	6.8	1.9	3.8	1.4	6.8	7.8	-3.2	5.2	3.5	7.8	4.8	6.6	6.9	7.4	8.3	1.8	12
13	Residential.....	13.5	9.5	1.8	11.7	27.5	3.7	10.7	22.3	9.1	9.1	4.9	-8.1	-2.8	10.4	3.4	10.0	10.1	9.3	6.1	13
14	Change in private inventories.....																				14
15	<b>Net exports of goods and services .....</b>																				15
16	Exports.....	3.4	2.8	3.4	4.1	2.7	4.6	2.0	-0.5	1.0	4.9	4.2	10.9	-6.7	9.8	1.8	5.4	-6.0	5.1	1.9	16
17	Goods.....	3.6	2.8	4.4	8.1	1.8	4.7	2.2	-3.8	0.4	7.5	5.0	14.9	-9.4	12.2	6.0	3.9	-11.7	6.5	0.7	17
18	Services.....	3.0	2.7	1.2	-4.7	4.8	4.2	1.5	7.5	2.2	-0.6	2.4	2.6	-0.3	4.7	-7.1	8.9	7.3	2.3	4.4	18
19	Imports.....	2.2	1.1	3.8	4.5	2.4	2.0	0.6	-3.8	0.8	5.5	2.4	1.0	2.8	9.6	-0.8	10.3	7.1	3.0	1.8	19
20	Goods.....	2.1	1.0	4.3	5.5	2.5	1.7	0.6	-4.3	1.1	5.3	2.6	0.7	4.7	9.9	-0.8	9.9	7.2	3.2	0.7	20
21	Services.....	3.0	1.5	1.6	0.0	1.6	3.5	0.7	-0.9	-0.6	6.0	1.5	2.7	-6.0	8.2	-0.6	11.9	6.7	2.0	6.6	21
22	<b>Government consumption expenditures and gross investment .....</b>	-1.9	-2.9	-0.6	-1.6	-1.9	-1.9	-1.2	-3.8	-4.5	-2.0	-2.2	-2.7	0.0	1.2	1.8	-1.4	-0.1	2.6	1.7	22
23	Federal .....	-1.9	-5.7	-2.4	-2.6	-0.4	-2.9	0.5	-5.5	-9.3	-5.6	-5.8	-6.6	0.3	-1.2	3.7	-5.7	1.1	0.0	0.2	23
24	National defense.....	-3.4	-6.7	-3.8	-9.5	-3.7	-4.4	0.8	-8.1	-10.3	-5.8	-7.6	-5.8	-4.6	-0.5	4.5	-10.3	1.0	0.3	-1.4	24
25	Nondefense .....	0.9	-4.0	-0.1	11.4	5.6	-0.4	-0.1	-1.1	-7.6	-5.4	-2.6	-7.9	8.9	-2.2	2.5	2.1	1.2	-0.5	2.8	25
26	State and local.....	-1.9	-1.0	0.6	-0.8	-3.0	-1.2	-2.3	-2.6	-1.1	0.4	0.2	-0.1	-0.2	2.6	0.6	1.3	-0.8	4.3	2.6	26
<b>Addenda:</b>																					
27	Gross domestic income (GDI) <sup>1</sup> .....	3.3	1.3	2.6	3.3	7.7	0.6	-0.1	3.5	-0.5	2.9	0.4	2.7	0.6	4.8	5.1	2.9	0.4	0.7	.....	27
28	Average of GDP and GDI.....	2.7	1.4	2.5	3.9	5.2	1.2	0.2	1.8	0.7	2.0	1.7	3.2	-0.2	4.7	4.7	2.5	0.5	2.3	.....	28
29	Final sales of domestic product.....	2.1	1.4	2.4	1.8	3.3	1.4	0.7	1.6	1.6	0.7	1.5	4.0	0.4	3.5	4.3	2.1	-0.2	3.9	3.0	29
30	Gross domestic purchases.....	2.1	1.2	2.5	4.6	2.6	1.5	0.3	-0.5	1.8	1.3	2.7	2.5	0.5	4.7	3.8	2.9	2.5	3.6	1.5	30
31	Final sales to domestic purchasers.....	1.9	1.2	2.5	1.9	3.2	1.1	0.5	1.0	1.5	0.9	1.3	2.6	1.8	3.6	3.8	3.0	1.7	3.7	2.9	31
32	Final sales to private domestic purchasers.....	2.9	2.2	3.2	2.8	4.5	1.8	0.9	2.2	3.0	1.6	2.1	3.8	2.2	4.2	4.3	3.9	2.0	3.9	3.2	32
33	Gross national product (GNP).....	2.1	1.5	2.5	4.9	2.1	1.3	0.6	-0.1	1.6	1.7	3.3	3.9	-1.2	4.4	4.5	1.9	-0.2	3.9	.....	33
34	Disposable personal income .....	3.2	-1.4	2.7	0.2	6.7	3.1	-0.2	10.9	-15.9	2.7	2.2	0.6	4.0	3.0	2.7	4.7	3.9	1.2	3.5	34
<b>Current-dollar measures:</b>																					
35	GDP.....	4.1	3.1	4.1	5.2	4.9	3.8	2.7	1.7	3.6	2.1	4.9	5.6	0.6	6.9	6.0	2.2	0.8	6.1	2.7	35
36	GDI.....	5.2	2.9	4.3	3.9	10.0	2.4	2.0	5.2	1.1	3.9	2.3	4.4	2.2	7.1	6.8	3.0	0.5	2.9	.....	36
37	Average of GDP and GDI.....	4.6	3.0	4.2	4.5	7.4	3.1	2.3	3.4	2.3	3.0	3.6	5.0	1.4	7.0	6.4	2.6	0.6	4.5	.....	37
38	Final sales of domestic product.....	4.0	3.1	4.1	2.3	5.6	3.2	3.1	3.1	1.8	3.5	5.9	1.9	5.8	6.0	2.2	-0.1	6.2	4.3	38	
39	Gross domestic purchases.....	3.9	2.7	4.1	5.7	5.1	2.8	1.5	1.6	3.4	2.0	4.4	4.3	2.1	6.7	5.4	2.8	0.9	5.2	2.7	39
40	Final sales to domestic purchasers.....	3.8	2.6	4.1	2.9	5.8	2.2	1.8	2.9	2.9	1.7	3.1	4.5	3.4	5.6	5.4	2.8	0.0	5.2	4.2	40
41	Final sales to private domestic purchasers.....	4.8	3.6	4.7	4.1	6.9	3.1	2.3	4.1	4.4	2.4	3.8	5.4	4.0	6.2	5.8	3.8	0.4	5.5	4.5	41
42	GNP.....	4.0	3.2	4.1	5.5	4.2	3.2	2.8	1.5	3.3	2.7	5.3	5.7	0.4	6.8	6.2	2.0	-0.1	6.1	.....	42
43	Disposable personal income .....	5.1	-0.1	4.2	1.6	9.2	4.4	1.1	13.3	-14.7	3.1	3.9	2.0	5.6	5.2	3.9	4.2	1.9	3.4	4.8	43

1. Gross domestic income deflated by the implicit price deflator for gross domestic product. See *Explanatory Note* at the end of the tables.

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

Line		2012	2013	2014	Seasonally adjusted at annual rates															Line		
					2011	2012				2013				2014				2015				
						IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I		II	III
	<b>Percent change at annual rate:</b>																					
1	<b>Gross domestic product</b> .....	<b>2.2</b>	<b>1.5</b>	<b>2.4</b>	<b>4.6</b>	<b>2.7</b>	<b>1.9</b>	<b>0.5</b>	<b>0.1</b>	<b>1.9</b>	<b>1.1</b>	<b>3.0</b>	<b>3.8</b>	<b>-0.9</b>	<b>4.6</b>	<b>4.3</b>	<b>2.1</b>	<b>0.6</b>	<b>3.9</b>	<b>1.5</b>	<b>1</b>	
	<b>Percentage points at annual rates:</b>																					
2	<b>Personal consumption expenditures</b> .....	<b>1.01</b>	<b>1.16</b>	<b>1.84</b>	<b>0.94</b>	<b>1.63</b>	<b>0.45</b>	<b>0.72</b>	<b>0.78</b>	<b>1.74</b>	<b>0.96</b>	<b>1.17</b>	<b>2.36</b>	<b>0.85</b>	<b>2.60</b>	<b>2.34</b>	<b>2.86</b>	<b>1.19</b>	<b>2.42</b>	<b>2.19</b>	<b>2</b>	
3	<b>Goods</b> .....	<b>0.63</b>	<b>0.71</b>	<b>0.75</b>	<b>0.90</b>	<b>1.11</b>	<b>0.26</b>	<b>0.63</b>	<b>0.53</b>	<b>1.39</b>	<b>0.28</b>	<b>0.60</b>	<b>0.70</b>	<b>0.25</b>	<b>1.49</b>	<b>0.91</b>	<b>0.91</b>	<b>0.25</b>	<b>1.20</b>	<b>0.99</b>	<b>3</b>	
4	Durable goods .....	0.53	0.42	0.43	0.83	0.79	0.20	0.48	0.58	0.64	0.17	0.24	0.30	0.19	0.96	0.54	0.44	0.14	0.57	0.48	4	
5	Motor vehicles and parts .....	0.18	0.11	0.14	0.50	0.28	0.05	0.15	0.22	0.23	-0.02	-0.04	0.06	0.10	0.41	0.19	0.11	-0.09	0.24	0.13	5	
6	Furnishings and durable household equipment .....	0.07	0.09	0.11	0.14	0.13	-0.07	0.04	0.09	0.13	0.07	0.16	0.07	0.03	0.21	0.10	0.10	0.08	0.07	0.12	6	
7	Recreational goods and vehicles .....	0.23	0.18	0.14	0.23	0.32	0.18	0.20	0.19	0.25	0.12	0.12	0.08	0.04	0.26	0.25	0.17	0.13	0.17	0.16	7	
8	Other durable goods .....	0.04	0.04	0.04	-0.05	0.06	0.04	0.08	0.08	0.03	0.00	0.00	0.09	0.01	0.08	0.01	0.06	0.02	0.09	0.07	8	
9	Nondurable goods .....	0.10	0.29	0.32	0.08	0.32	0.06	0.14	-0.05	0.75	0.11	0.36	0.40	0.06	0.52	0.37	0.47	0.10	0.62	0.51	9	
10	Food and beverages purchased for off-premises consumption .....	0.00	0.05	0.03	-0.05	0.07	0.02	0.02	0.03	0.15	-0.09	0.12	0.10	0.03	-0.01	-0.04	-0.04	-0.04	0.14	0.00	10	
11	Clothing and footwear .....	0.02	0.03	0.03	0.07	0.14	-0.14	0.14	-0.08	0.12	0.06	-0.05	0.03	-0.06	0.15	0.06	0.15	-0.02	0.14	0.05	11	
12	Gasoline and other energy goods .....	-0.04	0.04	0.02	-0.05	-0.17	0.22	-0.02	-0.18	0.17	0.08	0.05	0.03	-0.01	-0.05	0.01	0.18	0.11	-0.01	0.05	12	
13	Other nondurable goods .....	0.12	0.17	0.25	0.11	0.28	-0.04	0.00	0.18	0.30	0.07	0.25	0.24	0.11	0.43	0.34	0.18	0.06	0.36	0.41	13	
14	<b>Services</b> .....	<b>0.38</b>	<b>0.45</b>	<b>1.09</b>	<b>0.04</b>	<b>0.52</b>	<b>0.20</b>	<b>0.10</b>	<b>0.25</b>	<b>0.36</b>	<b>0.68</b>	<b>0.57</b>	<b>1.66</b>	<b>0.61</b>	<b>1.11</b>	<b>1.42</b>	<b>1.95</b>	<b>0.94</b>	<b>1.23</b>	<b>1.20</b>	<b>14</b>	
15	Household consumption expenditures (for services) .....	0.26	0.42	1.06	0.15	0.37	-0.15	0.08	-0.01	0.54	0.73	0.48	1.51	0.65	1.08	1.34	2.00	1.09	1.20	1.22	15	
16	Housing and utilities .....	0.01	0.06	0.14	-0.14	-0.42	0.45	0.15	-0.31	0.28	0.01	-0.15	0.30	0.54	-0.17	-0.13	0.22	0.43	-0.10	0.15	16	
17	Health care .....	0.25	0.11	0.31	0.51	0.59	-0.13	0.13	-0.01	-0.13	0.44	0.24	0.38	-0.25	0.63	0.57	0.80	0.52	0.34	0.45	17	
18	Transportation services .....	0.03	0.06	0.10	0.02	-0.08	0.16	0.05	-0.03	0.10	0.09	0.08	0.00	0.16	0.08	0.14	0.13	0.07	0.14	0.12	18	
19	Recreation services .....	0.05	0.05	0.07	0.01	0.01	0.12	0.02	0.08	0.04	-0.08	0.16	0.10	0.08	-0.03	0.13	0.15	-0.05	0.06	-0.06	19	
20	Food services and accommodations .....	0.11	0.07	0.13	0.08	0.19	0.08	0.09	0.12	0.13	-0.14	0.05	0.27	-0.05	0.28	0.17	0.26	0.12	0.31	0.11	20	
21	Financial services and insurance .....	-0.28	0.05	0.06	-0.30	-0.25	-0.69	-0.39	-0.03	-0.39	0.24	0.00	0.23	-0.10	0.04	0.16	0.05	0.00	0.12	0.24	21	
22	Other services .....	0.09	0.02	0.24	-0.01	0.33	-0.14	0.04	0.16	-0.27	0.17	0.10	0.23	0.26	0.24	0.30	0.40	0.01	0.32	0.22	22	
23	Final consumption expenditures of nonprofit institutions serving households .....	0.12	0.03	0.04	-0.12	0.15	0.35	0.02	0.26	-0.19	-0.05	0.09	0.14	-0.04	0.03	0.09	-0.06	-0.15	0.03	-0.02	23	
24	Gross output of nonprofit institutions .....	0.21	0.09	0.10	0.27	0.44	0.08	0.27	0.05	-0.15	0.27	0.09	0.31	-0.44	0.36	0.28	0.39	0.05	0.05	0.19	24	
25	Less: Receipts from sales of goods and services by nonprofit institutions .....	0.09	0.06	0.07	0.38	0.30	-0.26	0.25	-0.21	0.03	0.32	0.00	0.17	-0.40	0.33	0.20	0.45	0.20	0.02	0.20	25	
26	<b>Gross private domestic investment</b> .....	<b>1.52</b>	<b>0.70</b>	<b>0.87</b>	<b>4.16</b>	<b>1.47</b>	<b>1.53</b>	<b>-0.18</b>	<b>-0.51</b>	<b>1.05</b>	<b>0.78</b>	<b>2.07</b>	<b>0.71</b>	<b>-0.38</b>	<b>1.99</b>	<b>1.22</b>	<b>0.36</b>	<b>1.39</b>	<b>0.85</b>	<b>-0.97</b>	<b>26</b>	
27	<b>Fixed investment</b> .....	<b>1.38</b>	<b>0.64</b>	<b>0.82</b>	<b>1.36</b>	<b>2.00</b>	<b>0.98</b>	<b>0.00</b>	<b>1.03</b>	<b>0.77</b>	<b>0.40</b>	<b>0.59</b>	<b>0.79</b>	<b>0.91</b>	<b>0.87</b>	<b>1.23</b>	<b>0.39</b>	<b>0.52</b>	<b>0.83</b>	<b>0.47</b>	<b>27</b>	
28	Nonresidential .....	1.05	0.38	0.77	1.08	1.37	0.88	-0.27	0.46	0.51	0.14	0.44	1.05	1.00	0.56	1.12	0.09	0.20	0.53	0.27	28	
29	Structures .....	0.32	0.04	0.23	0.34	0.48	0.27	-0.12	-0.21	-0.16	0.30	0.46	0.11	0.50	0.00	-0.05	0.12	-0.22	0.18	-0.11	29	
30	Equipment .....	0.58	0.19	0.34	0.49	0.81	0.47	-0.21	0.41	0.38	-0.04	-0.22	0.80	0.20	0.38	0.92	-0.30	0.14	0.03	0.31	30	
31	Information processing equipment .....	0.11	0.07	0.07	-0.04	0.37	-0.08	-0.12	0.25	0.17	-0.05	0.10	-0.10	0.08	0.28	-0.14	0.32	-0.07	-0.08	0.28	31	
32	Computers and peripheral equipment .....	0.03	0.02	-0.02	-0.05	0.14	-0.05	-0.13	0.17	0.06	-0.08	0.05	0.05	-0.14	0.05	0.02	-0.02	-0.10	0.11	0.02	32	
33	Other .....	0.07	0.05	0.08	0.01	0.22	-0.03	0.01	0.09	0.12	0.03	0.05	-0.14	0.22	0.24	-0.15	0.34	0.03	-0.18	0.26	33	
34	Industrial equipment .....	0.11	-0.03	0.09	0.29	-0.05	0.16	-0.14	0.11	-0.08	-0.12	0.02	-0.07	0.25	0.18	0.11	-0.07	-0.02	0.26	-0.06	34	
35	Transportation equipment .....	0.22	0.15	0.17	0.49	0.14	0.17	-0.07	0.14	0.12	0.37	-0.10	0.49	-0.05	0.07	0.58	-0.14	0.18	-0.07	0.21	35	
36	Other equipment .....	0.14	0.01	0.01	-0.25	0.36	0.22	0.13	-0.09	0.16	-0.25	-0.24	0.47	-0.09	-0.16	0.37	-0.41	0.05	-0.09	-0.12	36	
37	Intellectual property products .....	0.15	0.15	0.20	0.26	0.07	0.14	0.05	0.26	0.30	-0.13	0.20	0.13	0.30	0.19	0.25	0.27	0.29	0.33	0.07	37	
38	Software .....	0.09	0.06	0.11	0.15	0.03	0.10	0.00	0.12	0.13	-0.15	0.14	0.09	0.14	0.13	0.17	0.10	0.16	0.11	0.03	38	
39	Research and development .....	0.04	0.08	0.08	0.07	0.03	0.04	0.05	0.12	0.16	0.01	0.06	0.03	0.14	0.04	0.07	0.15	0.12	0.21	0.05	39	
40	Entertainment, literary, and artistic originals .....	0.01	0.01	0.01	0.03	0.02	0.00	0.00	0.01	0.01	0.01	0.00	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.00	40	
41	Residential .....	0.33	0.27	0.05	0.28	0.63	0.10	0.27	0.57	0.26	0.27	0.15	-0.26	-0.09	0.31	0.11	0.31	0.32	0.30	0.20	41	
42	<b>Change in private inventories</b> .....	<b>-0.14</b>	<b>0.06</b>	<b>0.05</b>	<b>2.80</b>	<b>-0.53</b>	<b>0.56</b>	<b>-0.18</b>	<b>-1.54</b>	<b>0.28</b>	<b>0.38</b>	<b>1.48</b>	<b>-0.08</b>	<b>-1.29</b>	<b>1.12</b>	<b>-0.01</b>	<b>-0.03</b>	<b>0.87</b>	<b>0.02</b>	<b>-1.44</b>	<b>42</b>	
43	Farm .....	-0.13	0.19	-0.02	0.05	-0.30	-0.12	-0.29	0.15	0.53	0.15	0.13	0.04	-0.26	0.09	0.08	-0.05	0.10	-0.09	0.01	43	
44	Nonfarm .....	0.27	-0.13	0.07	2.75	-0.23	0.68	0.11	-1.69	-0.24	0.23	1.35	-0.12	-1.03	1.03	-0.09	0.02	0.77	0.11	-1.45	44	
45	<b>Net exports of goods and services</b> .....	<b>0.08</b>	<b>0.20</b>	<b>-0.18</b>	<b>-0.21</b>	<b>-0.02</b>	<b>0.28</b>	<b>0.16</b>	<b>0.58</b>	<b>-0.01</b>	<b>-0.24</b>	<b>0.16</b>	<b>1.26</b>	<b>-1.39</b>	<b>-0.24</b>	<b>0.39</b>	<b>-0.89</b>	<b>-1.92</b>	<b>0.18</b>	<b>-0.03</b>	<b>45</b>	
46	<b>Exports</b> .....	<b>0.46</b>	<b>0.38</b>	<b>0.46</b>	<b>0.56</b>	<b>0.37</b>	<b>0.61</b>	<b>0.27</b>	<b>-0.07</b>	<b>0.12</b>	<b>0.64</b>	<b>0.55</b>	<b>1.42</b>	<b>-0.95</b>	<b>1.28</b>	<b>0.24</b>	<b>0.71</b>	<b>-0.81</b>	<b>0.64</b>	<b>0.24</b>	<b>46</b>	
47	Goods .....	0.34	0.26	0.41	0.76	0.18	0.44	0.20	-0.37	0.03	0.67	0.45	1.31	-0.94	1.09	0.55	0.36	-1.10	0.55	0.06	47	
48	Services .....	0.12	0.11	0.05	-0.20	0.19	0.17	0.06	0.30	0.09	-0.02	0.10	0.11	-0.01	0.20	-0.31	0.35	0.30	0.10	0.18	48	
49	<b>Imports</b> .....	<b>-0.38</b>	<b>-0.18</b>	<b>-0.63</b>	<b>-0.76</b>	<b>-0.40</b>	<b>-0.33</b>	<b>-0.10</b>	<b>0.65</b>	<b>-0.13</b>	<b>-0.89</b>	<b>-0.39</b>	<b>-0.16</b>	<b>-0.44</b>	<b>-1.52</b>	<b>0.15</b>	<b>-1.60</b>	<b>-1.12</b>	<b>-0.46</b>	<b>-0.27</b>	<b>49</b>	
50	Goods .....	-0.30	-0.14	-0.59	-0.76	-0.35	-0.23	-0.09	0.62	-0.15	-0.72	-0.35	-0.09	-0.61	-1.30	0.13	-1.29	-0.93	-0.41	-0.09	50	
51	Services .....	-0.09	-0.04	-0.05	0.00	-0.05	-0.10	-0.02	0.03	0.02	-0.16	-0.04	-0.07	0.17	-0.22	0.02	-0.31	-0.18	-0.05	-0.18	51	
52	<b>Government consumption expenditures and gross investment</b> .....	<b>-0.38</b>	<b>-0.58</b>	<b>-0.11</b>	<b>-0.31</b>	<b>-0.40</b>	<b>-0.39</b>	<b>-0.22</b>	<b>-0.75</b>	<b>-0.88</b>	<b>-0.38</b>	<b>-0.42</b>	<b>-0.51</b>	<b>0.00</b>	<b>0.21</b>	<b>0.33</b>	<b>-0.26</b>	<b>-0.01</b>	<b>0.46</b>	<b>0.30</b>	<b>52</b>	
53	<b>Federal</b> .....	<b>-0.15</b>	<b>-0.46</b>	<b>-0.18</b>	<b>-0.21</b>	<b>-0.03</b>	<b>-0.24</b>	<b>0.04</b>	<b>-0.45</b>	<b>-0.75</b>	<b>-0.43</b>	<b>-0.44</b>	<b>-0.49</b>	<b>0.02</b>	<b>-0.08</b>	<b>0.26</b>	<b>-0.41</b>	<b>0.08</b>	<b>0.0</b>			

**Table 3. Gross Domestic Product: Level and Change From Preceding Period—Continues**

Line		Billions of dollars						Billions of chained (2009) dollars									Line
		2014	Seasonally adjusted at annual rates					2014	Seasonally adjusted at annual rates					Change from preceding period			
			2014		2015				2014		2015			2014	2015		
			III	IV	I	II	III		III	IV	I	II	III		II	III	
1	<b>Gross domestic product (GDP)</b> .....	17,348.1	17,522.1	17,615.9	17,649.3	17,913.7	18,034.8	15,961.7	16,068.8	16,151.4	16,177.3	16,333.6	16,394.2	378.3	156.2	60.6	1
2	<b>Personal consumption expenditures</b> .....	11,865.9	11,949.1	12,061.4	12,055.5	12,228.4	12,364.1	10,875.7	10,918.6	11,033.3	11,081.2	11,178.9	11,268.6	285.3	97.7	89.7	2
3	<b>Goods</b> .....	3,948.4	3,987.4	3,980.1	3,901.5	3,978.1	4,020.6	3,731.2	3,755.2	3,793.2	3,803.7	3,855.0	3,898.0	118.4	51.3	43.1	3
4	Durable goods.....	1,280.2	1,295.1	1,303.5	1,301.8	1,326.4	1,340.6	1,384.1	1,402.5	1,423.5	1,430.4	1,458.3	1,482.2	76.5	27.8	24.0	4
5	Motor vehicles and parts.....	440.2	447.7	451.6	447.8	460.4	465.6	396.7	403.2	407.7	404.1	413.6	418.8	20.9	9.5	5.2	5
6	Furnishings and durable household equipment.....	287.9	290.2	292.3	293.8	298.0	300.1	323.9	327.6	332.5	336.7	340.5	346.6	19.7	3.8	6.1	6
7	Recreational goods and vehicles.....	354.6	359.1	361.1	361.7	366.7	371.3	481.6	490.1	500.4	508.2	518.6	529.0	31.9	10.5	10.4	7
8	Other durable goods.....	197.5	198.2	198.6	198.5	201.2	203.6	192.9	193.3	195.7	196.8	200.9	204.1	6.4	4.1	3.3	8
9	Nondurable goods.....	2,668.2	2,692.2	2,676.6	2,599.7	2,651.8	2,680.0	2,367.8	2,375.2	2,393.7	2,397.8	2,423.0	2,443.7	48.0	25.2	20.7	9
10	Food and beverages purchased for off-premises consumption.....	886.5	890.3	893.8	891.5	895.1	899.9	807.5	807.1	805.7	804.1	809.5	809.3	4.1	5.4	-0.2	10
11	Clothing and footwear.....	368.9	371.2	374.0	372.3	377.5	380.1	348.4	349.5	355.8	354.8	360.5	362.5	5.0	5.7	2.0	11
12	Gasoline and other energy goods.....	401.1	406.6	371.4	293.7	317.6	318.7	276.8	275.1	280.8	284.8	284.5	286.5	2.0	-0.3	2.1	12
13	Other nondurable goods.....	1,011.7	1,024.0	1,037.4	1,042.2	1,061.6	1,081.4	945.0	954.4	961.7	964.1	978.6	995.7	38.7	14.6	17.1	13
14	<b>Services</b> .....	7,917.5	7,961.7	8,081.3	8,153.9	8,250.2	8,343.5	7,144.6	7,163.8	7,240.4	7,277.4	7,325.3	7,373.0	167.6	47.9	47.6	14
15	Household consumption expenditures (for services).....	7,595.2	7,636.1	7,752.3	7,828.0	7,921.2	8,011.7	6,839.5	6,856.2	6,934.9	6,977.6	7,024.3	7,072.5	161.6	46.7	48.2	15
16	Housing and utilities.....	2,142.6	2,143.0	2,165.4	2,197.6	2,204.5	2,227.7	1,961.2	1,954.8	1,963.5	1,980.5	1,976.7	1,982.7	22.3	-3.8	6.0	16
17	Health care.....	1,954.0	1,968.6	2,003.5	2,023.8	2,049.0	2,074.1	1,791.6	1,801.0	1,832.9	1,853.8	1,867.5	1,885.7	47.7	13.8	18.2	17
18	Transportation services.....	354.5	357.4	364.1	366.2	373.7	378.7	323.9	326.2	331.3	334.0	339.8	344.5	15.2	5.8	4.7	18
19	Recreation services.....	455.5	457.5	463.8	463.5	470.2	469.6	416.2	417.0	422.8	420.7	423.1	420.6	11.6	2.4	-2.5	19
20	Food services and accommodations.....	750.9	757.2	776.1	787.1	803.4	812.2	671.1	674.6	684.8	689.3	701.4	705.8	19.6	12.1	4.4	20
21	Financial services and insurance.....	882.7	890.9	897.4	904.7	920.4	936.6	722.9	725.6	727.4	727.4	731.4	739.9	8.9	4.0	8.5	21
22	Other services.....	1,055.0	1,061.5	1,081.9	1,085.2	1,099.9	1,112.8	954.1	958.2	974.1	974.4	986.8	995.5	36.7	12.5	8.7	22
23	Final consumption expenditures of nonprofit institutions serving households.....	322.3	325.6	329.0	325.9	329.0	331.8	305.8	308.4	306.0	300.0	301.2	300.6	5.9	1.2	-0.7	23
24	Gross output of nonprofit institutions.....	1,278.3	1,287.2	1,309.9	1,319.0	1,330.2	1,345.4	1,158.7	1,163.8	1,179.3	1,181.2	1,183.2	1,190.6	15.9	1.9	7.4	24
25	Less: Receipts from sales of goods and services by nonprofit institutions.....	956.0	961.6	980.9	993.1	1,001.2	1,013.6	853.6	856.1	873.7	881.4	882.1	890.1	10.1	0.7	8.0	25
26	<b>Gross private domestic investment</b> .....	2,860.0	2,910.2	2,937.2	2,995.9	3,025.5	2,992.0	2,717.7	2,758.1	2,772.5	2,830.2	2,864.8	2,823.5	140.4	34.5	-41.3	26
27	<b>Fixed investment</b> .....	2,782.9	2,821.8	2,848.7	2,868.6	2,897.9	2,929.8	2,633.8	2,663.5	2,679.7	2,701.4	2,735.5	2,755.1	131.9	34.1	19.7	27
28	Nonresidential.....	2,233.7	2,267.0	2,274.1	2,280.7	2,297.9	2,315.8	2,148.3	2,176.3	2,180.0	2,188.6	2,210.6	2,222.1	124.5	22.1	11.4	28
29	Structures.....	507.0	505.4	512.0	499.3	503.8	500.4	464.6	462.3	467.1	458.2	465.2	460.5	34.9	7.0	-4.7	29
30	Equipment.....	1,036.7	1,065.3	1,055.0	1,063.5	1,064.6	1,078.8	1,026.2	1,053.1	1,040.0	1,046.0	1,046.9	1,060.4	56.7	0.9	13.5	30
31	Information processing equipment.....	308.0	304.7	318.4	316.4	312.1	323.2	326.4	322.8	337.6	334.2	330.5	343.8	12.0	-3.8	13.3	31
32	Computers and peripheral equipment.....	79.3	80.4	79.6	75.0	79.1	79.5	89.0	90.1	89.3	84.3	89.6	90.5	-3.0	5.2	1.0	32
33	Other.....	228.7	224.3	238.8	241.4	233.0	243.7	236.8	232.2	247.5	248.8	240.3	252.4	14.5	-8.4	12.1	33
34	Industrial equipment.....	223.8	229.2	226.1	224.9	236.2	233.3	208.9	213.5	210.8	210.0	220.9	218.3	14.2	10.9	-2.6	34
35	Transportation equipment.....	272.4	287.6	283.9	292.2	289.4	300.3	271.8	286.5	280.4	288.1	285.1	294.1	28.6	-3.0	9.0	35
36	Other equipment.....	232.6	243.8	226.5	230.0	226.8	222.0	224.8	235.4	217.9	220.0	216.1	211.2	2.0	-3.9	-4.9	36
37	Intellectual property products.....	690.0	696.3	707.2	717.8	729.6	736.6	659.5	663.8	675.0	687.1	701.0	704.1	32.6	13.9	3.2	37
38	Software.....	313.0	317.7	319.4	324.1	326.7	330.1	315.0	319.1	323.4	330.6	335.4	336.8	19.2	4.8	1.3	38
39	Research and development.....	298.3	299.5	308.1	313.0	321.1	324.9	266.8	267.1	272.8	277.4	285.7	287.6	11.5	8.3	1.9	39
40	Entertainment, literary, and artistic originals.....	78.6	79.0	79.6	80.7	81.8	81.6	78.2	78.3	79.2	79.7	80.0	79.9	2.2	0.4	-0.1	40
41	Residential.....	549.2	554.8	574.6	588.0	600.0	614.0	486.4	488.5	500.2	512.4	524.0	531.8	8.4	11.6	7.8	41
42	<b>Change in private inventories</b> .....	77.1	88.3	88.5	127.3	127.5	62.2	68.0	79.9	78.2	112.8	113.5	56.8	6.6	0.7	-56.8	42
43	Farm.....	5.9	8.0	5.4	9.0	4.3	5.1	3.7	5.8	4.2	7.0	4.1	4.5	-3.0	-2.8	0.4	43
44	Nonfarm.....	71.2	80.3	83.1	118.3	123.2	57.1	65.0	74.5	74.9	106.8	111.0	52.4	10.8	4.2	-58.6	44
45	<b>Net exports of goods and services</b> .....	-530.0	-514.6	-545.2	-551.6	-519.3	-523.2	-442.5	-429.1	-463.6	-541.2	-534.6	-536.2	-25.0	6.6	-1.6	45
46	<b>Exports</b> .....	2,341.9	2,360.6	2,349.5	2,257.3	2,280.0	2,265.4	2,086.4	2,096.0	2,123.9	2,091.4	2,117.5	2,127.5	68.2	26.2	9.9	46
47	Goods.....	1,618.0	1,641.9	1,616.5	1,517.5	1,535.5	1,513.7	1,443.0	1,460.1	1,474.3	1,429.3	1,452.0	1,454.5	60.7	22.6	2.5	47
48	Services.....	723.9	718.7	732.9	739.8	744.5	751.8	642.9	635.4	649.1	660.6	664.4	671.5	7.4	3.8	7.1	48
49	<b>Imports</b> .....	2,871.9	2,875.2	2,894.6	2,808.9	2,799.3	2,788.6	2,528.9	2,525.1	2,587.5	2,632.5	2,652.1	2,663.7	93.3	19.6	11.5	49
50	Goods.....	2,388.5	2,392.7	2,400.0	2,311.7	2,299.9	2,283.7	2,076.5	2,074.1	2,123.8	2,161.1	2,178.4	2,182.3	85.2	17.3	3.9	50
51	Services.....	483.4	482.5	494.6	497.2	499.5	504.9	450.8	449.4	462.2	469.8	472.1	479.7	7.3	2.3	7.6	51

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.  
 See Explanatory Note at the end of the tables.

**Table 3. Gross Domestic Product: Level and Change From Preceding Period—Table Ends**

Line		Billions of dollars						Billions of chained (2009) dollars									Line
		2014	Seasonally adjusted at annual rates					2014	Seasonally adjusted at annual rates					Change from preceding period			
			2014		2015				2014		2015			2014	2015		
			III	IV	I	II	III		III	IV	I	II	III		II	III	
52	<b>Government consumption expenditures and gross investment .....</b>	<b>3,152.1</b>	<b>3,177.4</b>	<b>3,162.5</b>	<b>3,149.5</b>	<b>3,179.2</b>	<b>3,201.8</b>	<b>2,838.3</b>	<b>2,849.2</b>	<b>2,839.0</b>	<b>2,838.5</b>	<b>2,856.9</b>	<b>2,869.0</b>	<b>-16.6</b>	<b>18.3</b>	<b>12.2</b>	52
53	<b>Federal .....</b>	<b>1,219.9</b>	<b>1,233.1</b>	<b>1,214.7</b>	<b>1,218.2</b>	<b>1,220.7</b>	<b>1,224.4</b>	<b>1,116.3</b>	<b>1,124.7</b>	<b>1,108.3</b>	<b>1,111.3</b>	<b>1,111.3</b>	<b>1,112.0</b>	<b>-27.8</b>	<b>0.0</b>	<b>0.7</b>	53
54	National defense .....	748.2	759.5	738.2	739.0	740.1	738.3	689.1	697.3	678.6	680.3	680.8	678.4	-27.5	0.5	-2.4	54
55	Consumption expenditures.....	599.8	610.4	590.4	595.2	595.2	594.9	548.9	556.6	539.3	544.7	543.4	542.7	-21.6	-1.3	-0.7	55
56	Gross investment .....	148.5	149.1	147.8	143.9	144.9	143.4	140.0	140.5	139.1	135.3	137.1	135.4	-5.9	1.9	-1.8	56
57	Nondefense.....	471.6	473.6	476.5	479.2	480.6	486.1	427.0	427.1	429.4	430.7	430.2	433.2	-0.4	-0.5	3.0	57
58	Consumption expenditures.....	355.5	357.8	358.6	361.5	362.0	365.8	319.1	319.7	320.4	321.9	320.4	322.3	1.2	-1.5	1.9	58
59	Gross investment .....	116.1	115.8	117.8	117.7	118.6	120.3	107.8	107.3	109.0	108.8	109.8	110.9	-1.6	1.1	1.1	59
60	<b>State and local .....</b>	<b>1,932.3</b>	<b>1,944.3</b>	<b>1,947.8</b>	<b>1,931.3</b>	<b>1,958.4</b>	<b>1,977.5</b>	<b>1,720.8</b>	<b>1,723.5</b>	<b>1,729.3</b>	<b>1,725.9</b>	<b>1,744.1</b>	<b>1,755.5</b>	<b>10.7</b>	<b>18.2</b>	<b>11.4</b>	60
61	Consumption expenditures .....	1,601.0	1,610.5	1,609.5	1,599.5	1,608.4	1,622.0	1,420.9	1,422.4	1,424.8	1,427.0	1,428.5	1,435.3	9.5	1.5	6.8	61
62	Gross investment .....	331.3	333.8	338.3	331.8	350.0	355.5	299.0	300.3	303.7	298.1	314.9	319.5	1.1	16.8	4.7	62
63	Residual.....							-62.6	-68.4	-72.6	-74.2	-78.4	-83.6				63
	<b>Addenda:</b>																
64	Gross domestic income (GDI) <sup>1</sup> .....	17,560.1	17,746.1	17,877.8	17,901.6	18,028.1		16,156.8	16,274.3	16,391.5	16,408.6	16,437.9		407.3	29.2		64
65	Average of GDP and GDI .....	17,454.1	17,634.1	17,746.8	17,775.4	17,970.9		16,059.2	16,171.6	16,271.5	16,293.0	16,385.7		392.8	92.7		65
66	Final sales of domestic product.....	17,270.9	17,433.8	17,527.4	17,522.0	17,786.2	17,972.5	15,881.7	15,978.6	16,062.9	16,053.8	16,209.7	16,329.0	370.4	155.9	119.3	66
67	Gross domestic purchases .....	17,878.1	18,036.6	18,161.1	18,200.9	18,433.0	18,557.9	16,405.8	16,498.9	16,617.2	16,720.8	16,870.7	16,932.9	404.4	149.9	62.2	67
68	Final sales to domestic purchasers .....	17,800.9	17,948.3	18,072.6	18,073.6	18,305.5	18,495.7	16,326.3	16,409.2	16,529.2	16,597.7	16,747.2	16,868.4	396.4	149.6	121.2	68
69	Final sales to private domestic purchasers.....	14,648.8	14,770.9	14,910.1	14,924.1	15,126.3	15,293.9	13,497.7	13,569.8	13,700.8	13,770.1	13,901.6	14,010.9	415.1	131.5	109.3	69
70	<b>Gross domestic product .....</b>	<b>17,348.1</b>	<b>17,522.1</b>	<b>17,615.9</b>	<b>17,649.3</b>	<b>17,913.7</b>	<b>18,034.8</b>	<b>15,961.7</b>	<b>16,068.8</b>	<b>16,151.4</b>	<b>16,177.3</b>	<b>16,333.6</b>	<b>16,394.2</b>	<b>378.3</b>	<b>156.2</b>	<b>60.6</b>	70
71	Plus: Income receipts from the rest of the world.....	854.3	869.7	857.0	817.0	845.3		716.6	727.3	717.4	687.3	708.5		14.2	21.2		71
72	Less: Income payments to the rest of the world .....	591.2	597.8	592.3	589.5	614.7		495.3	499.3	494.8	494.2	513.3		5.6	19.1		72
73	<b>Equals: Gross national product .....</b>	<b>17,611.2</b>	<b>17,794.0</b>	<b>17,880.6</b>	<b>17,876.8</b>	<b>18,144.3</b>		<b>16,186.7</b>	<b>16,301.1</b>	<b>16,377.7</b>	<b>16,371.4</b>	<b>16,529.7</b>		<b>387.4</b>	<b>158.4</b>		73
74	Net domestic product.....	14,601.4	14,760.6	14,831.7	14,856.6	15,109.3	15,202.7	13,394.1	13,494.0	13,561.3	13,573.0	13,714.4	13,760.0	322.5	141.4	45.7	74

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.  
 See *Explanatory Note* at the end of the tables.



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

Line		2012	2013	2014	Seasonally adjusted at annual rates															Line	
					2011	2012				2013				2014				2015			
					IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II		III
1	<b>Gross domestic product (GDP)</b>	1.8	1.6	1.6	0.6	2.1	1.8	2.4	1.5	1.5	1.1	2.0	1.8	1.5	2.2	1.6	0.1	0.1	2.1	1.2	1
2	<b>Personal consumption expenditures</b> .....	1.9	1.4	1.4	1.4	2.3	1.2	1.3	2.2	1.4	0.4	1.7	1.4	1.6	2.1	1.2	-0.4	-1.9	2.2	1.2	2
3	Goods.....	1.2	-0.5	-0.4	0.3	2.1	-0.8	0.2	1.5	-0.9	-3.0	0.9	-0.9	-0.1	1.4	-0.4	-4.6	-8.7	2.5	-0.2	3
4	Durable goods .....	-1.3	-1.8	-2.3	-2.1	-0.9	-1.8	-2.3	-1.5	-1.1	-2.1	-2.6	-2.3	-2.5	-1.6	-2.3	-3.3	-2.4	-0.2	-2.2	4
5	Nondurable goods .....	2.4	0.2	0.6	1.4	3.5	-0.4	1.4	2.9	-0.8	-3.4	2.6	-0.2	1.0	2.8	0.6	-5.3	-11.6	3.8	0.8	5
6	Services .....	2.2	2.3	2.3	1.9	2.4	2.3	1.9	2.5	2.5	2.2	2.1	2.6	2.5	2.5	2.0	1.7	1.6	2.1	1.9	6
7	<b>Gross private domestic investment</b> .....	1.4	1.5	1.8	0.9	1.6	1.8	1.7	1.0	1.2	2.2	1.4	1.8	2.1	1.1	2.2	1.8	-0.4	-1.0	1.5	7
8	Fixed investment .....	1.5	1.6	1.9	1.0	2.1	1.7	1.6	0.9	1.4	2.2	1.6	2.3	2.4	1.1	2.4	1.4	-0.4	-1.0	1.5	8
9	Nonresidential.....	1.7	0.8	1.0	1.2	2.7	1.7	1.2	0.2	0.2	1.4	0.7	0.9	0.9	1.1	1.2	0.6	-0.4	-1.0	1.0	9
10	Structures .....	4.0	1.6	1.5	4.7	5.0	4.6	1.4	-0.4	1.3	3.1	1.2	2.2	1.2	0.7	1.7	1.0	-2.3	-2.4	1.4	10
11	Equipment.....	1.0	0.4	0.7	0.9	1.6	0.3	1.1	1.3	-0.3	0.4	0.3	0.0	0.9	1.5	0.9	1.1	1.0	0.0	0.2	11
12	Intellectual property products .....	1.1	0.7	0.9	-0.7	2.6	1.7	1.1	-1.0	0.4	2.0	0.8	1.3	0.6	0.8	1.4	-0.5	-1.1	-1.5	2.1	12
13	Residential.....	0.9	5.1	6.1	0.1	-0.7	1.6	3.5	4.0	6.4	5.4	5.5	7.9	8.9	1.0	7.1	4.6	-0.4	-0.8	3.4	13
14	Change in private inventories .....																				14
15	<b>Net exports of goods and services</b> .....																				15
16	Exports.....	0.9	0.2	0.1	-4.2	2.7	1.1	-0.2	1.3	1.3	-2.8	0.7	0.1	3.0	0.0	-1.0	-6.9	-9.4	-1.0	-4.3	16
17	Goods.....	0.4	-0.5	-0.7	-5.5	2.3	0.3	-0.2	0.6	0.8	-4.2	0.1	-1.0	3.4	-0.9	-2.4	-9.6	-12.1	-1.6	-6.2	17
18	Services.....	2.0	1.7	1.9	-1.4	3.6	2.8	-0.4	2.9	2.4	0.3	1.8	2.6	2.1	2.2	2.2	-0.7	-3.3	0.2	-0.4	18
19	Imports.....	0.6	-0.8	-0.2	-0.9	4.3	-2.4	-5.7	4.1	0.7	-3.8	-0.8	0.7	3.3	-1.3	-0.9	-6.8	-17.2	-4.2	-3.2	19
20	Goods.....	0.6	-1.1	-0.5	-0.5	4.6	-3.1	-7.0	4.5	0.6	-4.6	-1.0	-0.1	3.7	-1.7	-1.0	-7.9	-19.7	-5.1	-3.5	20
21	Services.....	0.7	1.1	1.2	-3.2	2.8	1.0	0.9	2.1	0.7	0.0	0.4	4.6	1.3	0.5	-0.1	-1.3	-4.3	-0.2	-2.0	21
22	<b>Government consumption expenditures and gross investment</b> .....	1.6	1.6	1.8	-0.5	3.4	0.4	1.2	1.9	1.6	1.0	2.2	3.4	0.9	1.9	2.2	-0.4	-1.6	1.2	1.1	22
23	Federal .....	1.0	1.0	1.6	-0.8	2.2	0.9	0.5	0.1	0.7	0.6	1.4	6.1	-1.2	1.9	1.7	-0.2	0.1	0.8	1.0	23
24	National defense.....	1.1	0.6	1.4	-1.2	3.0	0.8	0.5	0.1	0.4	0.0	1.1	4.1	0.2	1.4	1.5	-0.5	-0.6	0.3	0.4	24
25	Nondefense .....	0.9	1.6	2.0	0.0	0.7	1.0	0.6	0.0	1.3	1.5	2.0	9.6	-3.5	2.7	2.0	0.3	1.1	1.6	1.8	25
26	State and local.....	1.9	2.0	1.9	-0.3	4.3	0.1	1.6	3.1	2.2	1.2	2.7	1.7	2.3	2.0	2.5	-0.6	-2.6	1.4	1.3	26
<b>Addenda:</b>																					
27	Final sales of domestic product.....	1.9	1.6	1.7	0.6	2.2	1.8	2.4	1.5	1.5	1.1	2.0	1.9	1.5	2.2	1.6	0.0	0.1	2.1	1.2	27
28	Gross domestic purchases.....	1.8	1.4	1.5	0.9	2.4	1.2	1.3	1.9	1.4	0.8	1.7	1.8	1.6	1.9	1.5	-0.1	-1.6	1.5	1.3	28
29	Final sales to domestic purchasers.....	1.8	1.4	1.6	1.0	2.5	1.1	1.3	1.9	1.4	0.8	1.7	1.9	1.6	1.9	1.5	-0.2	-1.6	1.5	1.3	29
30	Final sales to private domestic purchasers.....	1.8	1.4	1.5	1.3	2.3	1.3	1.4	1.9	1.4	0.8	1.7	1.6	1.8	1.9	1.4	-0.1	-1.6	1.6	1.3	30
31	Gross national product (GNP).....	1.8	1.6	1.6	0.6	2.2	1.8	2.4	1.5	1.5	1.1	2.0	1.8	1.5	2.2	1.6	0.1	0.1	2.1	.....	31
<b>Implicit price deflators:</b>																					
32	GDP .....	1.8	1.6	1.6	0.6	2.1	1.8	2.2	1.6	1.6	1.0	1.9	1.7	1.6	2.2	1.6	0.1	0.1	2.1	1.2	32
33	Gross domestic purchases .....	1.8	1.4	1.5	1.0	2.4	1.2	1.1	2.1	1.5	0.7	1.6	1.8	1.7	1.9	1.6	-0.1	-1.6	1.5	1.2	33
34	GNP .....	1.8	1.6	1.6	0.6	2.1	1.8	2.1	1.6	1.6	1.0	1.9	1.7	1.6	2.2	1.6	0.1	0.1	2.1	.....	34

See *Explanatory Note* at the end of the tables.

**Table 5. Real Gross Domestic Product, Quantity Indexes**

[Index numbers, 2009=100]

Line		2012	2013	2014	Seasonally adjusted					Line
					2014		2015			
					III	IV	I	II	III	
1	<b>Gross domestic product</b> .....	106.491	108.077	110.701	111.444	112.017	112.196	113.280	113.701	1
2	<b>Personal consumption expenditures</b> .....	105.751	107.550	110.448	110.883	112.047	112.535	113.527	114.437	2
3	Goods.....	109.562	112.954	116.656	117.406	118.595	118.924	120.526	121.873	3
4	Durable goods.....	120.804	127.777	135.256	137.050	139.104	139.785	142.503	144.844	4
5	Nondurable goods.....	104.709	106.653	108.858	109.198	110.048	110.238	111.396	112.349	5
6	Services.....	103.905	104.941	107.462	107.751	108.902	109.459	110.180	110.896	6
7	<b>Gross private domestic investment</b> .....	131.288	137.226	144.702	146.854	147.623	150.696	152.535	150.338	7
8	Fixed investment.....	118.499	123.507	130.018	131.487	132.288	133.355	135.040	136.011	8
9	Nonresidential.....	120.246	123.895	131.517	133.235	133.460	133.986	135.336	136.037	9
10	Structures.....	96.550	98.052	106.027	105.491	106.602	104.567	106.157	105.078	10
11	Equipment.....	145.776	150.473	159.269	163.443	161.419	162.344	162.485	164.584	11
12	Intellectual property products.....	109.603	113.791	119.708	120.498	122.525	124.718	127.235	127.808	12
13	Residential.....	111.276	121.876	124.014	124.538	127.530	130.642	133.591	135.576	13
14	Change in private inventories.....									14
15	<b>Exports of goods and services</b> .....	123.646	127.105	131.404	132.011	133.770	131.719	133.368	133.994	15
16	<b>Imports of goods and services</b> .....	121.534	122.812	127.516	127.327	130.473	132.742	133.730	134.312	16
17	<b>Government consumption expenditures and gross investment</b> ...	95.224	92.418	91.880	92.235	91.904	91.889	92.483	92.876	17
18	Federal.....	99.657	93.959	91.676	92.360	91.018	91.265	91.265	91.320	18
19	State and local.....	92.341	91.383	91.953	92.099	92.408	92.226	93.198	93.806	19
	<b>Addenda:</b>									
20	Final sales of domestic product.....	104.984	106.488	109.031	109.696	110.274	110.212	111.282	112.101	20
21	Gross domestic purchases.....	106.684	108.014	110.744	111.373	112.171	112.870	113.882	114.302	21
22	Final sales to domestic purchasers.....	105.217	106.470	109.120	109.674	110.476	110.934	111.934	112.743	22
23	Final sales to private domestic purchasers.....	107.861	110.191	113.688	114.294	115.398	115.982	117.089	118.010	23
24	Gross national product.....	106.811	108.439	111.098	111.883	112.408	112.365	113.452		24

See *Explanatory Note* at the end of the tables.

**Table 6. Price Indexes for Gross Domestic Product**

[Index numbers, 2009=100]

Line		2012	2013	2014	Seasonally adjusted					Line
					2014		2015			
					III	IV	I	II	III	
1	<b>Gross domestic product</b> .....	<b>105.220</b>	<b>106.935</b>	<b>108.694</b>	<b>109.049</b>	<b>109.081</b>	<b>109.112</b>	<b>109.685</b>	<b>110.024</b>	1
2	<b>Personal consumption expenditures (PCE)</b> .....	<b>106.121</b>	<b>107.572</b>	<b>109.105</b>	<b>109.441</b>	<b>109.322</b>	<b>108.795</b>	<b>109.391</b>	<b>109.725</b>	2
3	Goods.....	106.701	106.200	105.823	106.179	104.924	102.567	103.191	103.140	3
4	Durable goods.....	96.413	94.665	92.494	92.331	91.558	90.993	90.939	90.429	4
5	Nondurable goods.....	111.840	112.031	112.688	113.346	111.818	108.417	109.441	109.667	5
6	Services.....	105.840	108.292	110.818	111.143	111.620	112.051	112.632	113.169	6
7	<b>Gross private domestic investment</b> .....	<b>101.900</b>	<b>103.442</b>	<b>105.288</b>	<b>105.528</b>	<b>106.004</b>	<b>105.910</b>	<b>105.652</b>	<b>106.048</b>	7
8	Fixed investment.....	102.062	103.652	105.663	105.951	106.313	106.200	105.946	106.347	8
9	Nonresidential.....	102.216	102.993	103.977	104.170	104.322	104.211	103.953	104.221	9
10	Structures.....	105.884	107.541	109.120	109.332	109.597	108.951	108.286	108.668	10
11	Equipment.....	99.861	100.290	101.030	101.167	101.442	101.685	101.694	101.735	11
12	Intellectual property products.....	102.967	103.671	104.618	104.885	104.764	104.479	104.088	104.620	12
13	Residential.....	101.324	106.458	112.903	113.612	114.896	114.773	114.538	115.495	13
14	Change in private inventories.....									14
15	<b>Exports of goods and services</b> .....	<b>111.970</b>	<b>112.147</b>	<b>112.250</b>	<b>112.615</b>	<b>110.607</b>	<b>107.925</b>	<b>107.661</b>	<b>106.472</b>	15
16	<b>Imports of goods and services</b> .....	<b>114.671</b>	<b>113.798</b>	<b>113.566</b>	<b>113.847</b>	<b>111.852</b>	<b>106.685</b>	<b>105.535</b>	<b>104.675</b>	16
17	<b>Government consumption expenditures and gross investment</b> .....	<b>107.378</b>	<b>109.086</b>	<b>111.057</b>	<b>111.521</b>	<b>111.397</b>	<b>110.959</b>	<b>111.284</b>	<b>111.602</b>	17
18	Federal.....	106.512	107.562	109.274	109.649	109.600	109.623	109.850	110.110	18
19	State and local.....	107.985	110.143	112.287	112.809	112.637	111.901	112.290	112.646	19
	<b>Addenda:</b>									
20	PCE excluding food and energy <sup>1</sup> .....	104.741	106.355	107.981	108.232	108.498	108.758	109.264	109.618	20
21	Market-based PCE <sup>2</sup> .....	105.909	107.031	108.255	108.586	108.348	107.652	108.240	108.524	21
22	Market-based PCE excluding food and energy <sup>2</sup> .....	104.287	105.543	106.826	107.058	107.242	107.418	107.903	108.201	22
23	Final sales of domestic product.....	105.239	106.963	108.747	109.111	109.121	109.150	109.730	110.069	23
24	Gross domestic purchases.....	105.805	107.319	108.982	109.325	109.304	108.864	109.271	109.613	24
25	Final sales to domestic purchasers.....	105.824	107.344	109.033	109.383	109.341	108.896	109.308	109.651	25
26	Final sales to private domestic purchasers.....	105.423	106.902	108.528	108.855	108.830	108.384	108.814	109.161	26
27	Gross national product.....	105.344	107.058	108.809	109.163	109.191	109.208	109.778	.....	27
	<b>Implicit price deflators:</b>									
28	Gross domestic product.....	105.214	106.929	108.686	109.044	109.067	109.099	109.674	110.007	28
29	Final sales of domestic product.....	105.239	106.963	108.747	109.107	109.117	109.146	109.726	110.065	29
30	Gross domestic purchases.....	105.800	107.313	108.974	109.320	109.291	108.852	109.260	109.597	30
31	Final sales to domestic purchasers.....	105.824	107.344	109.033	109.380	109.338	108.892	109.304	109.647	31
32	Gross national product.....	105.338	107.052	108.800	109.158	109.177	109.195	109.768	.....	32

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. Percentage changes for these series are included in the addenda to table 8 and appendix table A.

See *Explanatory Note* at the end of the tables.

**Table 7. Real Gross Domestic Product: Percent Change From Preceding Year**

Line	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Line
1	<b>4.7</b>	<b>4.1</b>	<b>1.0</b>	<b>1.8</b>	<b>2.8</b>	<b>3.8</b>	<b>3.3</b>	<b>2.7</b>	<b>1.8</b>	<b>-0.3</b>	<b>-2.8</b>	<b>2.5</b>	<b>1.6</b>	<b>2.2</b>	<b>1.5</b>	<b>2.4</b>	1
2	<b>5.3</b>	<b>5.1</b>	<b>2.6</b>	<b>2.6</b>	<b>3.1</b>	<b>3.8</b>	<b>3.5</b>	<b>3.0</b>	<b>2.2</b>	<b>-0.3</b>	<b>-1.6</b>	<b>1.9</b>	<b>2.3</b>	<b>1.5</b>	<b>1.7</b>	<b>2.7</b>	2
3	7.9	5.2	3.0	3.9	4.8	5.1	4.1	3.6	2.7	-2.5	-3.0	3.4	3.1	2.7	3.1	3.3	3
4	12.8	8.6	5.2	7.3	7.1	8.2	5.4	4.3	4.6	-5.1	-5.5	6.1	6.1	7.4	5.8	5.9	4
5	5.0	3.2	1.7	1.9	3.5	3.3	3.3	3.3	1.7	-1.1	-1.8	2.2	1.8	0.6	1.9	2.1	5
6	3.9	5.0	2.4	1.9	2.2	3.2	3.2	2.7	2.0	0.8	-0.9	1.2	1.8	0.8	1.0	2.4	6
7	<b>8.4</b>	<b>6.5</b>	<b>-6.1</b>	<b>-0.6</b>	<b>4.1</b>	<b>8.8</b>	<b>6.4</b>	<b>2.1</b>	<b>-3.1</b>	<b>-9.4</b>	<b>-21.6</b>	<b>12.9</b>	<b>5.2</b>	<b>10.6</b>	<b>4.5</b>	<b>5.4</b>	7
8	8.8	6.9	-1.6	-3.5	4.0	6.7	6.8	2.0	-2.0	-6.8	-16.7	1.5	6.3	9.8	4.2	5.3	8
9	9.7	9.1	-2.4	-6.9	1.9	5.2	7.0	7.1	5.9	-0.7	-15.6	2.5	7.7	9.0	3.0	6.2	9
10	0.1	7.8	-1.5	-17.7	-3.9	-0.4	1.7	7.2	12.7	6.1	-18.9	-16.4	2.3	12.9	1.6	8.1	10
11	12.5	9.7	-4.3	-5.4	3.2	7.7	9.6	8.6	3.2	-6.9	-22.9	15.9	13.6	10.8	3.2	5.8	11
12	12.4	8.9	0.5	-0.5	3.8	5.1	6.5	4.5	4.8	3.0	-1.4	1.9	3.6	3.9	3.8	5.2	12
13	6.3	0.7	0.9	6.1	9.1	10.0	6.6	-7.6	-18.8	-24.0	-21.2	-2.5	0.5	13.5	9.5	1.8	13
14																	14
15																	15
16	2.6	8.6	-5.8	-1.7	1.8	9.8	6.3	9.0	9.3	5.7	-8.8	11.9	6.9	3.4	2.8	3.4	16
17	4.2	10.1	-6.2	-3.4	1.9	8.6	7.3	9.4	7.5	6.1	-12.1	14.4	6.5	3.6	2.8	4.4	17
18	-1.4	4.7	-5.0	2.7	1.5	12.7	3.8	8.1	13.7	4.8	-1.1	6.8	7.6	3.0	2.7	1.2	18
19	10.1	13.0	-2.8	3.7	4.5	11.4	6.3	6.3	2.5	-2.6	-13.7	12.7	5.5	2.2	1.1	3.8	19
20	12.8	13.1	-3.2	3.7	4.9	11.2	6.7	5.9	1.8	-3.7	-15.8	14.9	5.8	2.1	1.0	4.3	20
21	-3.0	12.6	-0.6	3.3	2.1	12.7	4.5	8.6	6.2	3.7	-3.8	3.8	4.0	3.0	1.5	1.6	21
22	<b>3.4</b>	<b>1.9</b>	<b>3.8</b>	<b>4.4</b>	<b>2.2</b>	<b>1.6</b>	<b>0.6</b>	<b>1.5</b>	<b>1.6</b>	<b>2.8</b>	<b>3.2</b>	<b>0.1</b>	<b>-3.0</b>	<b>-1.9</b>	<b>-2.9</b>	<b>-0.6</b>	22
23	2.0	0.3	3.9	7.2	6.8	4.5	1.7	2.5	1.7	6.8	5.7	4.4	-2.7	-1.9	-5.7	-2.4	23
24	1.5	-0.9	3.5	7.0	8.5	6.0	2.0	2.0	2.5	7.5	5.4	3.2	-2.3	-3.4	-6.7	-3.8	24
25	2.7	2.3	4.7	7.4	4.1	2.0	1.3	3.5	0.3	5.5	6.2	6.4	-3.4	0.9	-4.0	-0.1	25
26	4.2	2.8	3.7	2.9	-0.4	-0.1	0.0	0.9	1.5	0.3	1.6	-2.7	-3.3	-1.9	-1.0	0.6	26
<b>Addenda:</b>																	
27	4.4	4.7	1.1	1.4	2.3	3.7	3.6	4.0	0.1	-0.8	-2.6	2.7	2.2	3.3	1.3	2.6	27
28	4.5	4.4	1.0	1.6	2.5	3.8	3.4	3.3	0.9	-0.6	-2.7	2.6	1.9	2.7	1.4	2.5	28
29	4.7	4.2	1.9	1.3	2.8	3.4	3.4	2.6	2.0	0.2	-2.0	1.1	1.7	2.1	1.4	2.4	29
30	5.5	4.8	1.2	2.3	3.1	4.3	3.5	2.6	1.1	-1.3	-3.8	2.9	1.6	2.1	1.2	2.5	30
31	5.6	4.9	2.0	1.8	3.1	3.9	3.6	2.6	1.4	-0.9	-3.1	1.5	1.7	1.9	1.2	2.5	31
32	6.1	5.5	1.7	1.3	3.3	4.4	4.2	2.8	1.3	-1.7	-4.6	1.9	2.9	2.9	2.2	3.2	32
33	4.8	4.2	1.1	1.7	2.9	3.9	3.3	2.4	2.2	0.0	-2.9	2.8	1.8	2.1	1.5	2.5	33
34	3.3	5.0	2.8	3.1	2.7	3.6	1.5	4.0	2.1	1.5	-0.4	1.0	2.5	3.2	-1.4	2.7	34
<b>Price indexes:</b>																	
35	1.6	2.6	1.9	1.4	2.2	2.9	3.5	3.2	2.7	2.9	-0.2	1.5	2.4	1.8	1.4	1.5	35
36	1.5	2.2	1.8	1.6	1.9	2.7	3.2	3.0	2.5	2.3	0.5	1.3	1.8	1.8	1.5	1.6	36
37	1.4	2.3	2.3	1.5	2.0	2.7	3.2	3.1	2.7	1.9	0.8	1.2	2.1	1.8	1.6	1.6	37
38	1.5	2.3	2.0	1.8	1.9	2.7	3.4	3.1	2.6	2.1	0.5	1.4	1.9	1.8	1.7	1.7	38
39	1.5	2.5	1.9	1.3	2.0	2.4	2.9	2.7	2.5	3.1	-0.1	1.7	2.5	1.9	1.4	1.4	39
40	1.3	1.7	1.8	1.7	1.5	1.9	2.2	2.2	2.2	2.1	1.2	1.3	1.5	1.9	1.5	1.5	40
41	1.4	2.4	1.9	1.1	1.9	2.4	2.8	2.7	2.5	3.4	0.4	1.5	2.5	1.8	1.1	1.1	41
42	1.2	1.5	1.8	1.5	1.4	1.7	2.0	2.2	2.0	2.3	1.9	1.0	1.4	1.8	1.2	1.2	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.

See *Explanatory Note* at the end of the tables.

**Table 8. Real Gross Domestic Product: Percent Change From Quarter One Year Ago**

Line		2011	2012				2013				2014				2015			Line
		IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	
1	<b>Gross domestic product (GDP)</b> .....	1.7	2.8	2.5	2.4	1.3	1.1	0.9	1.5	2.5	1.7	2.6	2.9	2.5	2.9	2.7	2.0	1
2	<b>Personal consumption expenditures (PCE)</b> .....	1.5	1.6	1.6	1.4	1.3	1.3	1.5	1.7	2.3	2.0	2.6	3.0	3.2	3.3	3.3	3.2	2
3	Goods.....	1.7	2.2	2.7	3.2	2.8	3.0	3.1	3.0	3.2	2.0	3.4	3.7	4.0	4.0	3.7	3.8	3
4	Durable goods .....	4.8	6.3	7.7	8.2	7.2	6.6	6.4	5.6	4.6	3.1	5.9	7.0	7.5	7.3	5.9	5.7	4
5	Nondurable goods .....	0.4	0.4	0.5	0.9	0.8	1.4	1.5	1.9	2.6	1.5	2.2	2.2	2.3	2.4	2.6	2.9	5
6	Services .....	1.4	1.3	1.0	0.5	0.6	0.5	0.7	1.0	1.8	1.9	2.2	2.7	2.8	3.0	3.0	2.9	6
7	<b>Gross private domestic investment</b> .....	9.6	14.3	12.7	12.1	3.7	3.1	1.9	5.5	7.5	5.0	6.8	5.3	4.7	7.6	5.7	2.4	7
8	Fixed investment .....	8.4	12.5	12.1	7.8	7.0	4.7	3.6	4.5	4.1	4.4	5.1	6.1	5.5	4.8	4.7	3.4	8
9	Nonresidential.....	9.0	12.4	12.1	6.7	5.2	3.2	1.6	3.0	4.2	5.3	6.2	7.6	5.5	3.9	3.8	2.1	9
10	Structures .....	8.0	22.3	17.2	9.6	4.1	-2.0	-1.7	3.5	6.5	13.0	9.9	5.0	5.0	-1.4	0.2	-0.4	10
11	Equipment.....	13.1	14.0	15.2	7.5	6.9	4.6	2.3	2.1	3.9	3.2	5.0	10.2	5.1	4.8	3.3	0.7	11
12	Intellectual property products .....	4.1	4.2	4.4	3.5	3.4	4.9	3.1	4.1	3.2	3.3	5.3	5.7	6.5	6.4	7.3	6.1	12
13	Residential.....	6.0	12.8	12.4	13.1	15.7	11.2	12.7	11.2	3.5	0.6	0.9	0.5	5.1	8.4	8.2	8.9	13
14	Change in private inventories .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
15	<b>Net exports of goods and services</b> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
16	Exports.....	4.2	4.3	3.9	3.3	2.2	1.8	1.8	2.4	5.2	3.1	4.3	3.7	2.4	2.6	1.5	1.5	16
17	Goods.....	4.8	4.6	4.5	4.2	1.2	0.8	1.5	2.2	6.8	4.1	5.2	5.5	2.9	2.2	0.9	-0.4	17
18	Services.....	2.7	3.8	2.5	1.4	4.5	3.8	2.6	2.8	1.6	1.0	2.3	-0.1	1.4	3.3	2.7	5.7	18
19	Imports.....	3.5	3.3	3.0	2.4	0.3	-0.1	0.7	1.2	2.4	2.9	3.9	3.1	5.4	6.5	4.8	5.5	19
20	Goods.....	3.4	2.7	3.0	2.6	0.1	-0.3	0.6	1.1	2.4	3.3	4.4	3.5	5.8	6.5	4.8	5.2	20
21	Services.....	3.8	6.2	3.4	1.4	1.2	0.7	1.3	1.5	2.4	1.0	1.5	0.9	3.1	6.5	4.9	6.7	21
22	<b>Government consumption expenditures and gross investment</b> .....	-3.0	-1.6	-2.0	-1.6	-2.2	-2.9	-2.9	-3.2	-2.9	-1.8	-1.0	0.0	0.4	0.4	0.7	0.7	22
23	Federal .....	-4.0	-1.4	-2.5	-1.4	-2.1	-4.4	-5.1	-6.6	-6.8	-4.5	-3.4	-1.0	-0.8	-0.6	-0.3	-1.1	23
24	National defense.....	-4.1	-1.3	-4.0	-4.3	-3.9	-5.6	-5.9	-8.0	-7.4	-6.0	-4.7	-1.7	-2.9	-1.5	-1.3	-2.7	24
25	Nondefense .....	-3.9	-1.5	0.2	4.0	1.0	-2.3	-3.6	-4.2	-5.9	-2.0	-1.2	0.1	2.7	0.9	1.3	1.4	25
26	State and local.....	-2.3	-1.8	-1.6	-1.8	-2.3	-1.8	-1.4	-0.8	-0.2	0.1	0.6	0.7	1.1	1.0	1.4	1.9	26
	<b>Addenda:</b>																	
27	Gross domestic income (GDI) <sup>1</sup> .....	2.1	3.9	3.5	2.8	2.8	0.8	1.4	1.6	1.4	1.6	2.1	3.3	3.3	3.3	2.3	.....	27
28	Average of GDP and GDI .....	1.9	3.3	3.0	2.6	2.1	1.0	1.2	1.5	1.9	1.7	2.3	3.1	2.9	3.1	2.5	.....	28
29	Final sales of domestic product.....	1.5	2.5	2.4	1.8	1.7	1.3	1.1	1.3	1.9	1.6	2.3	3.0	2.6	2.4	2.5	2.2	29
30	Gross domestic purchases.....	1.7	2.6	2.4	2.3	1.0	0.8	0.7	1.3	2.1	1.7	2.6	2.8	2.9	3.5	3.2	2.6	30
31	Final sales to domestic purchasers.....	1.5	2.4	2.3	1.7	1.4	1.0	1.0	1.2	1.6	1.6	2.3	3.0	3.0	3.0	3.0	2.8	31
32	Final sales to private domestic purchasers .....	2.6	3.4	3.3	2.5	2.3	1.9	1.9	2.2	2.6	2.4	3.0	3.6	3.6	3.6	3.5	3.3	32
33	Gross national product .....	2.0	2.8	2.4	2.2	1.0	0.9	1.0	1.6	2.6	1.9	2.6	2.9	2.4	2.7	2.5	.....	33
34	Real disposable personal income .....	1.7	2.1	3.0	2.4	5.1	-1.0	-1.1	-0.5	-2.9	2.3	2.4	2.5	3.6	3.6	3.1	3.3	34
	<b>Price indexes:</b>																	
35	Gross domestic purchases .....	2.4	2.3	1.6	1.5	1.7	1.5	1.4	1.5	1.4	1.5	1.8	1.7	1.2	0.4	0.3	0.3	35
36	Gross domestic purchases excluding food and energy <sup>2</sup> .....	1.9	2.0	1.7	1.6	1.7	1.5	1.5	1.5	1.7	1.6	1.7	1.8	1.4	1.1	1.0	0.9	36
37	GDP .....	1.9	2.0	1.7	1.7	1.9	1.8	1.6	1.5	1.6	1.6	1.9	1.8	1.3	1.0	1.0	0.9	37
38	GDP excluding food and energy <sup>2</sup> .....	1.9	2.0	1.7	1.6	1.8	1.6	1.6	1.8	1.9	1.8	1.9	1.8	1.5	1.2	1.1	1.1	38
39	PCE .....	2.7	2.5	1.8	1.6	1.8	1.5	1.3	1.4	1.2	1.3	1.7	1.6	1.1	0.2	0.3	0.3	39
40	PCE excluding food and energy <sup>2</sup> .....	1.9	2.1	1.9	1.7	1.8	1.7	1.5	1.5	1.5	1.4	1.6	1.6	1.4	1.3	1.3	1.3	40
41	Market-based PCE <sup>3</sup> .....	2.8	2.5	1.7	1.5	1.6	1.3	1.0	1.1	0.9	0.9	1.5	1.3	0.9	-0.1	-0.1	-0.1	41
42	Market-based PCE excluding food and energy <sup>3</sup> .....	1.9	2.0	1.9	1.7	1.5	1.4	1.1	1.1	1.2	1.1	1.3	1.3	1.2	1.1	1.1	1.1	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.

See *Explanatory Note* at the end of the tables.

**Table 9. Relation of Gross Domestic Product, Gross National Product, and National Income**

[Billions of dollars]

Line		2012	2013	2014	Seasonally adjusted at annual rates					Line
					2014		2015			
					III	IV	I	II	III	
1	<b>Gross domestic product (GDP)</b> .....	<b>16,155.3</b>	<b>16,663.2</b>	<b>17,348.1</b>	<b>17,522.1</b>	<b>17,615.9</b>	<b>17,649.3</b>	<b>17,913.7</b>	<b>18,034.8</b>	1
2	Plus: Income receipts from the rest of the world.....	801.5	826.2	854.3	869.7	857.0	817.0	845.3	.....	2
3	Less: Income payments to the rest of the world .....	563.9	575.8	591.2	597.8	592.3	589.5	614.7	.....	3
4	<b>Equals: Gross national product</b> .....	<b>16,392.8</b>	<b>16,913.5</b>	<b>17,611.2</b>	<b>17,794.0</b>	<b>17,880.6</b>	<b>17,876.8</b>	<b>18,144.3</b>	.....	4
5	Less: Consumption of fixed capital .....	2,534.2	2,632.8	2,746.7	2,761.5	2,784.2	2,792.7	2,804.3	2,832.1	5
6	Less: Statistical discrepancy .....	-203.3	-177.6	-212.0	-224.0	-261.8	-252.3	-114.4	.....	6
7	<b>Equals: National income</b> .....	<b>14,061.9</b>	<b>14,458.3</b>	<b>15,076.5</b>	<b>15,256.5</b>	<b>15,358.2</b>	<b>15,336.4</b>	<b>15,454.3</b>	.....	7
8	Compensation of employees.....	8,609.9	8,839.7	9,248.9	9,289.9	9,424.9	9,487.9	9,549.2	9,650.2	8
9	Wages and salaries.....	6,930.3	7,114.4	7,477.8	7,513.9	7,632.6	7,682.4	7,730.2	7,814.2	9
10	Supplements to wages and salaries.....	1,679.6	1,725.3	1,771.2	1,776.0	1,792.3	1,805.5	1,819.0	1,836.0	10
11	Proprietors' income with inventory valuation and capital consumption adjustments.....	1,241.4	1,285.1	1,346.7	1,357.8	1,377.9	1,369.4	1,377.0	1,400.9	11
12	Rental income of persons with capital consumption adjustment .....	525.3	563.4	610.8	618.4	628.4	637.0	654.1	663.5	12
13	Corporate profits with inventory valuation and capital consumption adjustments .....	1,998.2	2,037.4	2,072.9	2,161.0	2,135.5	2,012.5	2,083.0	.....	13
14	Net interest and miscellaneous payments .....	527.7	513.5	532.3	515.8	521.9	561.3	506.6	505.2	14
15	Taxes on production and imports less subsidies.....	1,074.0	1,118.6	1,155.8	1,163.5	1,169.5	1,169.2	1,175.7	1,180.8	15
16	Business current transfer payments (net) .....	104.7	119.4	127.3	168.5	118.7	115.6	124.9	122.7	16
17	Current surplus of government enterprises .....	-19.3	-18.8	-18.3	-18.4	-18.6	-16.6	-16.1	-16.0	17
	<b>Addenda:</b>									
18	Gross domestic income (GDI).....	16,358.5	16,840.8	17,560.1	17,746.1	17,877.8	17,901.6	18,028.1	.....	18
19	Average of GDP and GDI.....	16,256.9	16,752.0	17,454.1	17,634.1	17,746.8	17,775.4	17,970.9	.....	19
20	Statistical discrepancy as a percentage of GDP .....	-1.3	-1.1	-1.2	-1.3	-1.5	-1.4	-0.6	.....	20

**Table 10. Personal Income and Its Disposition**

[Billions of dollars]

Line		2012	2013	2014	Seasonally adjusted at annual rates					Line
					2014		2015			
					III	IV	I	II	III	
1	<b>Personal income</b> <sup>1</sup> .....	<b>13,915.1</b>	<b>14,068.4</b>	<b>14,694.2</b>	<b>14,774.8</b>	<b>14,955.7</b>	<b>15,079.8</b>	<b>15,219.4</b>	<b>15,391.0</b>	1
2	Compensation of employees.....	8,609.9	8,839.7	9,248.9	9,289.9	9,424.9	9,487.9	9,549.2	9,650.2	2
3	Wages and salaries .....	6,930.3	7,114.4	7,477.8	7,513.9	7,632.6	7,682.4	7,730.2	7,814.2	3
4	Supplements to wages and salaries.....	1,679.6	1,725.3	1,771.2	1,776.0	1,792.3	1,805.5	1,819.0	1,836.0	4
5	Proprietors' income with inventory valuation and capital consumption adjustments .....	1,241.4	1,285.1	1,346.7	1,357.8	1,377.9	1,369.4	1,377.0	1,400.9	5
6	Farm .....	61.6	88.8	78.1	77.2	74.8	60.5	56.9	64.8	6
7	Nonfarm .....	1,179.8	1,196.3	1,268.6	1,280.6	1,303.0	1,308.9	1,320.1	1,336.1	7
8	Rental income of persons with capital consumption adjustment.....	525.3	563.4	610.8	618.4	628.4	637.0	654.1	663.5	8
9	Personal income receipts on assets.....	2,123.8	2,060.4	2,117.5	2,115.0	2,130.6	2,145.5	2,178.3	2,201.2	9
10	Personal interest income .....	1,288.8	1,271.3	1,302.0	1,288.1	1,289.8	1,282.6	1,313.4	1,333.2	10
11	Personal dividend income.....	834.9	789.0	815.5	826.8	840.8	863.0	864.9	868.0	11
12	Personal current transfer receipts.....	2,366.3	2,426.6	2,529.2	2,556.5	2,571.0	2,625.8	2,651.3	2,675.6	12
13	Less: Contributions for government social insurance, domestic .....	951.6	1,106.8	1,159.0	1,162.9	1,177.2	1,185.8	1,190.6	1,200.3	13
14	Less: Personal current taxes.....	1,511.4	1,672.8	1,780.2	1,792.0	1,838.8	1,900.1	1,927.4	1,943.2	14
15	<b>Equals: Disposable personal income</b> .....	<b>12,403.7</b>	<b>12,395.6</b>	<b>12,913.9</b>	<b>12,982.7</b>	<b>13,116.8</b>	<b>13,179.8</b>	<b>13,292.0</b>	<b>13,447.8</b>	15
16	Less: Personal outlays .....	11,457.0	11,805.7	12,293.7	12,377.0	12,502.5	12,492.2	12,674.5	12,811.1	16
17	<b>Equals: Personal saving</b> .....	<b>946.7</b>	<b>589.9</b>	<b>620.2</b>	<b>605.7</b>	<b>614.3</b>	<b>687.6</b>	<b>617.5</b>	<b>636.7</b>	17
18	Personal saving as a percentage of disposable personal income.....	7.6	4.8	4.8	4.7	4.7	5.2	4.6	4.7	18
	<b>Addenda:</b>									
19	Personal income excluding current transfer receipts, billions of chained (2009) dollars <sup>2</sup>	10,882.7	10,822.3	11,149.8	11,164.6	11,329.0	11,447.6	11,489.5	11,588.8	19
20	Disposable personal income, billions of chained (2009) dollars <sup>2</sup> .....	11,688.3	11,523.1	11,836.3	11,863.1	11,998.7	12,114.7	12,151.3	12,256.3	20

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.

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

Line		2012	2013	2014	Seasonally adjusted at annual rates															Line								
					2011					2012					2013						2014					2015		
					IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II		III	IV	I	II	III			
<b>Percent change from preceding period</b>																												
<b>Gross domestic product (GDP) and related aggregates:</b>																												
1	GDP .....	2.2	1.5	2.4	4.6	2.7	1.9	0.5	0.1	1.9	1.1	3.0	3.8	-0.9	4.6	4.3	2.1	0.6	3.9	1.5	1							
2	Goods .....	5.0	3.9	3.7	15.7	3.6	5.4	1.2	-0.7	7.4	1.2	7.5	9.2	-7.3	10.3	9.1	-0.2	-1.8	5.9	-0.3	2							
3	Services .....	0.4	0.2	1.7	-0.7	1.2	0.0	0.4	0.3	-0.4	0.3	0.2	2.1	1.7	1.7	2.4	2.7	2.1	2.0	2.3	3							
4	Structures .....	6.8	2.5	3.6	7.5	12.6	3.6	-1.3	2.2	-0.9	8.3	8.2	-3.6	4.5	6.3	0.6	6.8	-0.9	12.2	2.4	4							
5	Motor vehicle output .....	12.8	4.9	7.2	23.1	27.5	7.1	0.0	-2.0	17.0	8.5	-13.7	19.9	2.1	16.5	19.8	-11.3	1.4	14.5	14.9	5							
6	GDP excluding motor vehicle output .....	2.0	1.4	2.3	4.1	2.1	1.7	0.5	0.1	1.5	0.9	3.5	3.4	-1.0	4.2	3.8	2.5	0.6	3.6	1.1	6							
7	Final sales of computers <sup>1</sup> .....	15.2	14.7	2.1	22.4	19.4	-2.1	18.8	46.3	13.8	11.5	-6.1	4.4	5.1	8.2	4.3	-26.7	29.8	41.5	1.6	7							
8	GDP excluding final sales of computers .....	2.2	1.4	2.4	4.5	2.6	1.9	0.4	-0.1	1.9	1.1	3.0	3.8	-0.9	4.6	4.3	2.2	0.5	3.8	1.5	8							
9	Research and development .....	0.2	2.5	1.8	3.2	-2.4	-0.1	0.8	4.7	6.0	-0.6	1.4	-0.5	4.3	0.7	1.9	5.5	5.2	9.7	2.3	9							
10	GDP excluding research and development .....	2.3	1.5	2.4	4.6	2.8	1.9	0.5	0.0	1.8	1.2	3.0	3.9	-1.1	4.7	4.3	2.0	0.5	3.8	1.5	10							
11	Farm gross value added <sup>2</sup> .....	-11.4	22.7	2.3	26.7	-27.0	-9.4	-29.5	-1.8	87.6	38.4	35.4	1.2	-31.8	28.6	6.9	7.0	9.8	-4.9	35.2	11							
12	Nonfarm business gross value added <sup>3</sup> .....	3.1	1.7	3.0	5.8	3.9	2.7	1.0	0.2	1.7	1.1	3.5	5.2	-1.2	5.4	5.5	2.6	0.5	5.1	1.2	12							
<b>Price indexes:</b>																												
13	GDP .....	1.8	1.6	1.6	0.6	2.1	1.8	2.4	1.5	1.5	1.1	2.0	1.8	1.5	2.2	1.6	0.1	0.1	2.1	1.2	13							
14	GDP excluding food and energy <sup>4</sup> .....	1.8	1.7	1.7	0.9	2.6	1.6	1.3	1.8	1.8	1.5	2.0	2.2	1.5	1.9	1.8	0.8	0.5	1.5	1.5	14							
15	GDP excluding final sales of computers .....	1.9	1.7	1.7	0.6	2.2	1.8	2.4	1.5	1.5	1.2	2.0	1.8	1.5	2.2	1.6	0.2	0.2	2.1	1.3	15							
16	Gross domestic purchases .....	1.8	1.4	1.5	0.9	2.4	1.2	1.3	1.9	1.4	0.8	1.7	1.8	1.6	1.9	1.5	-0.1	-1.6	1.5	1.3	16							
17	Gross domestic purchases excluding food and energy <sup>4</sup> ...	1.8	1.5	1.6	1.0	2.4	1.6	1.3	1.6	1.6	1.3	1.6	2.1	1.5	1.8	1.7	0.8	0.2	1.2	1.3	17							
18	Gross domestic purchases excluding final sales of computers to domestic purchasers .....	1.8	1.5	1.6	1.0	2.5	1.2	1.4	2.0	1.4	0.8	1.8	1.9	1.6	2.0	1.6	0.0	-1.6	1.5	1.3	18							
19	Personal consumption expenditures (PCE) .....	1.9	1.4	1.4	1.4	2.3	1.2	1.3	2.2	1.4	0.4	1.7	1.4	1.6	2.1	1.2	-0.4	-1.9	2.2	1.2	19							
20	PCE excluding food and energy <sup>4</sup> .....	1.9	1.5	1.5	1.6	2.3	1.9	1.2	1.7	1.7	1.2	1.4	1.7	1.4	2.0	1.4	1.0	1.0	1.9	1.3	20							
21	Market-based PCE <sup>5</sup> .....	1.8	1.1	1.1	1.4	2.2	1.0	1.3	1.7	1.2	-0.2	1.6	0.9	1.4	1.9	1.1	-0.9	-2.5	2.2	1.1	21							
22	Market-based PCE excluding food and energy <sup>5</sup> .....	1.8	1.2	1.2	1.6	2.1	1.7	1.2	1.1	1.6	0.6	1.3	1.2	1.1	1.7	1.3	0.7	0.7	1.8	1.1	22							
<b>Contributions to percent change in real gross domestic product</b>																												
<b>Percent change at annual rate:</b>																												
23	<b>Gross domestic product .....</b>	<b>2.2</b>	<b>1.5</b>	<b>2.4</b>	<b>4.6</b>	<b>2.7</b>	<b>1.9</b>	<b>0.5</b>	<b>0.1</b>	<b>1.9</b>	<b>1.1</b>	<b>3.0</b>	<b>3.8</b>	<b>-0.9</b>	<b>4.6</b>	<b>4.3</b>	<b>2.1</b>	<b>0.6</b>	<b>3.9</b>	<b>1.5</b>	<b>23</b>							
<b>Percentage points at annual rates:</b>																												
24	Goods .....	1.48	1.17	1.13	4.47	1.12	1.64	0.36	-0.24	2.17	0.34	2.23	2.77	-2.30	3.07	2.74	-0.06	-0.57	1.79	-0.09	24							
25	Services .....	0.27	0.13	1.03	-0.40	0.73	-0.01	0.22	0.17	-0.20	0.20	0.16	1.32	1.04	1.03	1.49	1.63	1.28	1.24	1.40	25							
26	Structures .....	0.47	0.18	0.27	0.51	0.83	0.25	-0.10	0.15	-0.06	0.58	0.59	-0.27	0.33	0.47	0.05	0.50	-0.07	0.90	0.18	26							
27	Motor vehicle output .....	0.31	0.13	0.20	0.52	0.64	0.19	0.00	-0.05	0.43	0.23	-0.41	0.50	0.06	0.44	0.53	-0.35	0.04	0.40	0.42	27							
28	Final sales of computers .....	0.06	0.06	0.01	0.08	0.07	-0.01	0.07	0.16	0.06	0.05	-0.03	0.02	0.02	0.03	0.02	-0.12	0.10	0.13	0.01	28							
29	Research and development .....	0.01	0.06	0.05	0.08	-0.06	0.00	0.02	0.12	0.15	-0.01	0.04	-0.01	0.11	0.02	0.05	0.14	0.13	0.25	0.06	29							

1. For some components of final sales of computers, includes computer parts.  
 2. Farm output less intermediate goods and services purchased.  
 3. Consists of GDP less gross value added of farm, of households and institutions, and of general government.  
 4. Food excludes personal consumption expenditures for purchased meals and beverages, which are classified in food services.  
 5. 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.  
 See *Explanatory Note* at the end of the tables.

## Explanatory Note: NIPA Measures of Quantities and Prices

Current-dollar GDP is a measure of the market value of goods, services, and structures produced in the economy in a particular period. Changes in current-dollar GDP can be decomposed into quantity and price components. Quantities, or "real" measures, and prices are expressed as index numbers with the reference year -- at present, the year 2009 -- equal to 100.

Annual changes in quantities and prices are calculated using a Fisher formula that incorporates weights from two adjacent years. (Quarterly changes in quantities and prices are calculated using a Fisher formula that incorporates weights from two adjacent quarters; quarterly indexes are adjusted for consistency to the annual indexes before percent changes are calculated.) For example, the 2008-09 annual percent change in real GDP uses prices for 2008 and 2009 as weights, and the 2008-09 annual percent change in GDP prices uses quantities for 2008 and 2009 as weights. These annual changes are "chained" (multiplied) together to form time series of quantity and price indexes. Percent changes in Fisher indexes are not affected by the choice of reference year. (BEA also publishes a measure of the price level known as the implicit price deflator (IPD), which is calculated as the ratio of the current-dollar value to the corresponding chained-dollar value, multiplied by 100. The values of the IPD are very close to the values of the corresponding "chain-type" price index.)

Index numbers of quantity and price indexes for GDP and its major components are presented in this release in tables 5 and 6. Percent changes from the preceding period are presented in tables 1, 4, 7, 8, and appendix table A. Contributions by major components to the percent change in real GDP are presented in table 2.

Measures of real GDP and its major components are also presented in dollar-denominated form, designated "chained (2009) dollar estimates." For most series, these estimates, which are presented in table 3, are computed by multiplying the current-dollar value in 2009 by a corresponding quantity index number and then dividing by 100. For example, if a current-dollar GDP component equaled \$100 in 2009 and if real output for this component increased 10 percent in 2010, then the chained (2009) dollar value of this component in 2010 would be \$110 ( $= \$100 \times 110 / 100$ ). Percent changes calculated from chained-dollar estimates and from chain-type quantity indexes are the same; any differences will be small and due to rounding.

Chained-dollar values for the detailed GDP components will not necessarily sum to the chained-dollar estimate of GDP (or to any intermediate aggregate). This is because the relative prices used as weights for any period other than the reference year differ from those of the reference year. A measure of the extent of such differences is provided by a "residual" line, which indicates the difference between GDP (or other major aggregate) and the sum of the most detailed components in the table. For periods close to the reference year, when there usually has not been much change in the relative prices that are used as weights, the residuals tend to be small, and the chained-dollar estimates can be used to approximate the contributions to growth and to aggregate the detailed estimates. For periods further from the reference year, the residuals tend to be larger, and the chained-dollar estimates are less useful for analyses of contributions to growth. Thus, the contributions to percent change shown in table 2 provide a better measure of the composition of GDP growth. In particular, for components for which relative prices are changing rapidly, calculation of contributions using chained-dollar estimates may be misleading even just a few years from the reference year.

*Reference* "Chained-Dollar Indexes: Issues, Tips on Their Use, and Upcoming Changes," November 2003 *Survey*, pp. 8-16.