

**2016:IV (Second Estimate) Comparisons -- Percent Change From Preceding Period in
Real Gross Domestic Product and Related Measures
[Percent] seasonally adjusted at annual rates**

	2016:IV % change	Last period with equal value	Last period with larger value	Last period with smaller value		
Gross domestic product (GDP)	1.9	2012Q2	1.9	2016Q3	3.5	2016Q2
Personal consumption expenditures (PCE)	3.0	2016Q3	3.0	2016Q2	4.3	2016Q1
Goods	5.7	2013Q1	5.7	2016Q2	7.1	2016Q3
Durable goods	11.5	.....	.....	2016Q3	11.6	2016Q2
Nondurable goods	2.8	2008Q2	2.8	2016Q2	5.7	2016Q3
Services	1.8	.....	.....	2016Q3	2.7	2014Q1
Gross private domestic investment	9.2	.....	.....	2015Q1	9.9	2016Q3
Fixed investment	3.2	1981Q2	3.2	2015Q3	5.7	2016Q3
Nonresidential	1.3	2015Q1	1.3	2016Q3	1.4	2016Q2
Structures	-4.5	.....	.....	2016Q3	12.0	2015Q4
Equipment	1.9	1990Q1	1.9	2015Q3	9.1	2016Q3
Intellectual property products	4.5	2014Q2	4.5	2016Q2	9.0	2016Q3
Residential	9.6	.....	.....	2015Q4	11.5	2016Q3
Change in private inventories	.....	.....	.....	.....	.....	.....
Net exports of goods and services	.....	.....	.....	.....	.....	.....
Exports	-4.0	.....	.....	2016Q3	10.0	2015Q1
Goods	-6.6	.....	.....	2016Q3	14.4	2015Q1
Services	1.0	2015Q4	1.0	2016Q3	2.0	2016Q1
Imports	8.5	1993Q2	8.5	2014Q4	11.2	2016Q3
Goods	10.6	1979Q4	10.6	2014Q4	11.7	2016Q3
Services	-0.4	.....	.....	2016Q3	9.8	2013Q1
Government consumption expenditures and gross investment	0.4	1996Q3	0.4	2016Q3	0.8	2016Q2
Federal	-1.2	1976Q3	-1.2	2016Q3	2.4	2016Q1
National defense	-3.6	.....	.....	2016Q3	2.0	2014Q4
Nondefense	2.3	2008Q3	2.3	2016Q3	3.0	2016Q1
State and local	1.3	2007Q4	1.3	2016Q1	3.5	2016Q3
Addenda:	.....	.....	.....	.....	.....	.....
Gross domestic income (GDI)	.....	.....	.....	.....	.....	.....
Average of GDP and GDI	.....	.....	.....	.....	.....	.....
Final sales of domestic product	0.9	1990Q3	0.9	2016Q3	3.0	2014Q1
Gross domestic purchases	3.5	1963Q2	3.5	2015Q1	3.6	2016Q3
Final sales to domestic purchasers	2.6	1991Q2	2.6	2015Q3	3.0	2016Q3
Final sales to private domestic purchasers	3.0	2000Q4	3.0	2016Q2	3.2	2016Q3
Gross national product (GNP)	.....	.....	.....	.....	.....	.....
Disposable personal income	2.0	2015Q1	2.0	2016Q3	2.9	2013Q4
Current-dollar measures:	.....	.....	.....	.....	.....	.....
GDP	3.9	.....	.....	2016Q3	5.0	2016Q2
GDI	.....	.....	.....	.....	.....	.....
Average of GDP and GDI	.....	.....	.....	.....	.....	.....
Final sales of domestic product	2.9	.....	.....	2016Q3	4.5	2016Q1
Gross domestic purchases	5.5	1998Q1	5.5	2014Q3	5.8	2016Q3
Final sales to domestic purchasers	4.6	2016Q2	4.6	2015Q2	4.8	2016Q3
Final sales to private domestic purchasers	5.0	2005Q4	5.0	2016Q2	5.3	2016Q3
GNP	.....	.....	.....	.....	.....	.....
Disposable personal income	4.0	2007Q2	4.0	2016Q3	4.4	2016Q1
Chain-type price measures:	.....	.....	.....	.....	.....	.....
Gross domestic purchases	1.9	2012Q4	1.9	2016Q2	2.1	2016Q3
Gross domestic purchases excluding food and energy	1.5	2015Q2	1.5	2016Q3	1.7	2016Q1
GDP	2.0	2003Q4	2.0	2016Q2	2.3	2016Q3
GDP excluding food and energy	1.7	2010Q4	1.7	2016Q3	1.9	2016Q1
GDP implicit price deflator	2.0	2008Q2	2.0	2016Q2	2.3	2016Q3
PCE	1.9	2014Q2	1.9	2016Q2	2.0	2016Q3
PCE excluding food and energy	1.2	2015Q4	1.2	2016Q3	1.7	2015Q1
Market-based PCE	2.0	2007Q3	2.0	2012Q1	2.2	2016Q3
Market-based PCE excluding food and energy	1.2	2014Q3	1.2	2016Q3	1.6	2015Q4

2016:IV (Second Estimate) Comparisons -- Contributions to Percent Change in Real Gross Domestic Product

	2016:IV contribution	Last period with equal value		Last period with larger value		Last period with smaller value	
Percent change at annual rate:							
Gross domestic product	1.9	2012Q2	1.9	2016Q3	3.5	2016Q2	1.4
Percentage points at annual rates:							
Personal consumption expenditures	2.05	.....	.....	2016Q2	2.88	2016Q3	2.03
Goods	1.23	1957Q1	1.23	2016Q2	1.51	2016Q3	0.77
Durable goods	0.83	2011Q4	0.83	2016Q3	0.84	2016Q2	0.70
Nondurable goods	0.40	1979Q4	0.40	2016Q2	0.80	2016Q3	-0.07
Services	0.81	1973Q3	0.81	2016Q3	1.26	2014Q1	0.73
Gross private domestic investment	1.45	.....	.....	2015Q1	1.62	2016Q3	0.50
Fixed investment	0.51	1997Q4	0.51	2015Q3	0.92	2016Q3	0.02
Nonresidential	0.17	.....	.....	2016Q3	0.18	2016Q2	0.12
Structures	-0.12	2015Q3	-0.12	2016Q3	0.30	2015Q4	-0.45
Equipment	0.11	1990Q1	0.11	2015Q3	0.53	2016Q3	-0.26
Intellectual property products	0.18	2015Q4	0.18	2016Q2	0.35	2016Q3	0.13
Residential	0.35	2013Q2	0.35	2015Q4	0.40	2016Q3	-0.16
Change in private inventories	0.94	.....	.....	2015Q1	1.01	2016Q3	0.49
Net exports of goods and services	-1.70	1978Q1	-1.70	2016Q3	0.85	2010Q2	-1.77
Exports	-0.50	2002Q4	-0.50	2016Q3	1.16	2015Q1	-0.78
Goods	-0.54	.....	.....	2016Q3	1.08	2015Q1	-0.94
Services	0.04	2015Q4	0.04	2016Q3	0.08	2016Q1	-0.09
Imports	-1.20	.....	.....	2016Q3	-0.31	2014Q4	-1.74
Goods	-1.21	.....	.....	2016Q3	-0.06	2014Q4	-1.50
Services	0.01	1969Q1	0.01	2013Q1	0.03	2016Q3	-0.26
Government consumption expenditures and gross investment	0.06	1976Q4	0.06	2016Q3	0.14	2016Q2	-0.30
Federal	-0.08	.....	.....	2016Q3	0.16	2016Q1	-0.10
National defense	-0.14	2014Q2	-0.14	2016Q3	0.08	2014Q4	-0.52
Nondefense	0.06	2008Q3	0.06	2016Q3	0.08	2016Q1	0.03
State and local	0.14	1993Q1	0.14	2016Q1	0.39	2016Q3	-0.02

**2016 (Second Estimate) Comparisons -- Percent Change From Preceding Period in
Real Gross Domestic Product and Related Measures
[Percent]**

	2016 % change	Last period with equal value		Last period with larger value		Last period with smaller value	
Gross domestic product (GDP)	1.6	2011	1.6	2015	2.6	2009	-2.8
Personal consumption expenditures (PCE)	2.7	1960	2.7	2015	3.2	2013	1.5
Goods	3.6	2006	3.6	2015	4.0	2013	3.1
Durable goods	5.8			2015	6.9	2009	-5.5
Nondurable goods	2.5	1995	2.5	2015	2.6	2013	1.7
Services	2.3	2014	2.3	2015	2.8	2013	0.6
Gross private domestic investment	-1.6			2015	5.0	2009	-21.6
Fixed investment	0.7	1961	0.7	2015	4.0	2009	-16.7
Nonresidential	-0.5			2015	2.1	2009	-15.6
Structures	-3.0			2014	10.3	2015	-4.4
Equipment	-2.9	1952	-2.9	2015	3.5	2009	-22.9
Intellectual property products	4.9			2005	6.5	2015	4.8
Residential	4.9			2015	11.7	2014	3.5
Change in private inventories							
Net exports of goods and services							
Exports	0.4			2014	4.3	2015	0.1
Goods	0.6			2014	4.4	2015	-0.6
Services	0.0			2015	1.6	2009	-1.1
Imports	1.1	2013	1.1	2015	4.6	2009	-13.7
Goods	0.7			2015	4.9	2009	-15.8
Services	3.0	2012	3.0	2011	4.0	2015	2.9
Government consumption expenditures and gross investment	0.8			2015	1.8	2014	-0.9
Federal	0.6			2010	4.4	2015	0.0
National defense	-0.7	1948	-0.7	2010	3.2	2015	-2.1
Nondefense	2.6			2015	3.3	2014	0.1
State and local	1.0			2015	2.9	2014	0.2
Addenda:							
Gross domestic income (GDI)							
Average of GDP and GDI							
Final sales of domestic product	2.0	2007	2.0	2015	2.4	2013	1.5
Gross domestic purchases	1.7			2015	3.2	2013	1.3
Final sales to domestic purchasers	2.1	1956	2.1	2015	3.1	2013	1.2
Final sales to private domestic purchasers	2.3			2015	3.3	2013	2.1
Gross national product (GNP)							
Disposable personal income	2.8	2001	2.8	2015	3.5	2013	-1.4
Current-dollar measures:							
GDP	2.9			2015	3.7	2009	-2.0
GDI							
Average of GDP and GDI							
Final sales of domestic product	3.4			2015	3.6	2013	3.1
Gross domestic purchases	2.7			2015	3.7	2009	-4.1
Final sales to domestic purchasers	3.1			2015	3.5	2013	2.6
Final sales to private domestic purchasers	3.4	2001	3.4	2015	3.8	2010	3.1
GNP							
Disposable personal income	3.9			2014	5.1	2015	3.8
Chain-type price measures:							
Gross domestic purchases	1.0	1961	1.0	2014	1.7	2015	0.4
Gross domestic purchases excluding food and energy	1.4			2014	1.8	2015	1.1
GDP	1.3	1959	1.3	2014	1.8	2015	1.1
GDP excluding food and energy	1.6			2014	1.9	2015	1.2
GDP implicit price deflator	1.3			2014	1.8	2015	1.1
PCE	1.1			2014	1.5	2015	0.3
PCE excluding food and energy	1.7	2002	1.7	2012	1.9	2015	1.4
Market-based PCE	0.8			2014	1.1	2015	0.0
Market-based PCE excluding food and energy	1.5	2002	1.5	2012	1.8	2015	1.1

2016 (Second Estimate) Comparisons -- Contributions to Percent Change in Real Gross Domestic Product

	2016 contribution	Last period with equal value		Last period with larger value		Last period with smaller value	
Percent change at annual rate:							
Gross domestic product	1.6	2011	1.6	2015	2.6	2009	-2.8
Percentage points at annual rates:							
Personal consumption expenditures	1.84	.....	.....	2015	2.16	2013	1.00
Goods	0.78	.....	.....	2015	0.91	2013	0.71
Durable goods	0.42	1937	0.42	2015	0.51	2009	-0.41
Nondurable goods	0.36	.....	.....	2015	0.40	2013	0.27
Services	1.06	2014	1.06	2015	1.26	2013	0.28
Gross private domestic investment	-0.26	.....	.....	2015	0.82	2009	-3.52
Fixed investment	0.11	1987	0.11	2015	0.65	2009	-2.77
Nonresidential	-0.06	1983	-0.06	2015	0.27	2009	-2.04
Structures	-0.08	1974	-0.08	2014	0.29	2015	-0.13
Equipment	-0.17	.....	.....	2015	0.21	2009	-1.29
Intellectual property products	0.19	2015	0.19	2005	0.23	2014	0.15
Residential	0.18	.....	.....	2015	0.39	2014	0.11
Change in private inventories	-0.37	.....	.....	2015	0.17	2009	-0.76
Net exports of goods and services	-0.12	.....	.....	2013	0.29	2015	-0.71
Exports	0.05	.....	.....	2014	0.58	2015	0.01
Goods	0.05	.....	.....	2014	0.41	2015	-0.06
Services	0.00	1983	0.00	2015	0.07	2009	-0.04
Imports	-0.17	1957	-0.17	2009	2.26	2015	-0.73
Goods	-0.09	.....	.....	2009	2.15	2015	-0.65
Services	-0.08	2015	-0.08	2014	-0.07	2012	-0.09
Government consumption expenditures and gross investment	0.15	.....	.....	2015	0.32	2014	-0.16
Federal	0.04	.....	.....	2010	0.37	2015	0.00
National defense	-0.03	1976	-0.03	2010	0.18	2015	-0.09
Nondefense	0.07	1999	0.07	2015	0.09	2014	0.00
State and local	0.11	2006	0.11	2015	0.32	2014	0.03