

**2022Q3 (Advance Estimate) Comparisons -- Percent Change from Preceding Period
in Real Gross Domestic Product and Related Measures
[Percent] Seasonally adjusted at annual rates**

	2022Q3 % change	Last period with equal value		Last period with larger value		Last period with smaller value	
Gross domestic product (GDP)	2.6	2007Q2	2.6	2021Q4	7.0	2022Q2	-0.6
Personal consumption expenditures	1.4	2001Q3	1.4	2022Q2	2.0	2022Q1	1.3
Goods	-1.2	1974Q2	-1.2	2022Q1	-0.1	2022Q2	-2.6
Durable goods	-0.8			2022Q1	7.6	2022Q2	-2.8
Nondurable goods	-1.4	2011Q3	-1.4	2021Q4	0.7	2022Q2	-2.5
Services	2.8	2010Q3	2.8	2022Q2	4.6	2022Q1	2.1
Gross private domestic investment	-8.5			2022Q1	5.4	2022Q2	-14.1
Fixed investment	-4.9	1974Q2	-4.9	2022Q1	4.8	2022Q2	-5.0
Nonresidential	3.7			2022Q1	7.9	2022Q2	0.1
Structures	-15.3	1983Q1	-15.3	2022Q2	-12.7	2020Q2	-42.9
Equipment	10.8	1994Q3	10.8	2022Q1	11.4	2022Q2	-2.0
Intellectual property products	6.9	1972Q2	6.9	2022Q2	8.9	2020Q2	-9.3
Residential	-26.4	1949Q1	-26.4	2022Q2	-17.8	2020Q2	-27.4
Change in private inventories							
Net exports of goods and services							
Exports	14.4			2021Q4	23.5	2022Q2	13.8
Goods	17.2			2021Q4	23.4	2022Q2	15.5
Services	8.3			2022Q2	9.9	2022Q1	1.6
Imports	-6.9			2022Q2	2.2	2020Q2	-53.7
Goods	-8.7			2022Q2	-0.4	2020Q2	-49.3
Services	2.3	2010Q2	2.3	2022Q2	16.6	2021Q1	-8.8
Government consumption expenditures and gross investment	2.4	2019Q4	2.4	2021Q1	6.5	2022Q2	-1.6
Federal	3.7	2020Q1	3.7	2021Q1	17.3	2022Q2	-3.4
National defense	4.7			2020Q4	11.8	2022Q2	1.4
Nondefense	2.3	1982Q3	2.3	2021Q4	7.4	2022Q2	-9.2
State and local	1.7	1994Q1	1.7	2021Q3	4.5	2022Q2	-0.6
Addenda:							
Final sales of domestic product	3.3	1991Q2	3.3	2021Q2	7.9	2022Q2	1.3
Gross domestic purchases	-0.2	2012Q4	-0.2	2022Q1	1.4	2022Q2	-1.6
Final sales to domestic purchasers	0.5	2012Q3	0.5	2022Q1	1.3	2022Q2	0.2
Final sales to private domestic purchasers	0.1			2022Q2	0.5	2020Q2	-31.4
Gross domestic income (GDI)							
Average of GDP and GDI							
Gross national product (GNP)							
Disposable personal income	1.7	2005Q3	1.7	2021Q1	52.4	2022Q2	-1.5
Current-dollar measures:							
GDP	6.7	1987Q3	6.7	2022Q2	8.5	2022Q1	6.6
Final sales of domestic product	7.5	2005Q3	7.5	2022Q2	10.5	2022Q1	6.4
Gross domestic purchases	4.3	2008Q2	4.3	2022Q2	6.8	2020Q2	-30.2
Final sales to domestic purchasers	5.1	1982Q1	5.1	2022Q2	8.7	2020Q2	-26.2
Final sales to private domestic purchasers	5.0	2000Q4	5.0	2022Q2	8.5	2020Q2	-32.2
GDI							
Average of GDP and GDI							
GNP							
Disposable personal income	6.0	2018Q4	6.0	2021Q1	59.2	2022Q2	5.7
Chain-type price measures:							
Gross domestic purchases	4.6	2005Q3	4.6	2022Q2	8.5	2020Q4	2.2
Gross domestic purchases excluding food and energy	4.8			2022Q2	6.9	2021Q1	4.0
GDP	4.1	2007Q1	4.1	2022Q2	9.0	2020Q4	2.5
GDP excluding food and energy	4.9			2022Q2	7.3	2021Q1	4.3
GDP implicit price deflator	4.1	1984Q1	4.1	2022Q2	9.1	2020Q4	2.6
PCE	4.2	1968Q3	4.2	2022Q2	7.3	2020Q4	1.6
PCE excluding food and energy	4.5	1990Q2	4.5	2022Q2	4.7	2021Q1	3.2
Market-based PCE	4.5	2008Q2	4.5	2022Q2	8.0	2021Q1	4.0
Market-based PCE excluding food and energy	4.9	1989Q1	4.9	2022Q2	5.0	2021Q4	4.6

Source: U.S. Bureau of Economic Analysis

2022Q3 (Advance Estimate) Comparisons -- Contributions to Percent Change in Real Gross Domestic Product

	2022Q3 contribution	Last period with equal value		Last period with larger value		Last period with smaller value	
Percent change at annual rate:							
Gross domestic product	2.6	2007Q2	2.6	2021Q4	7.0	2022Q2	-0.6
Percentage points at annual rates:							
Personal consumption expenditures	0.97	.....	.....	2022Q2	1.38	2022Q1	0.91
Goods	-0.28	1954Q1	-0.28	2022Q1	-0.02	2022Q2	-0.61
Durable goods	-0.07	.....	.....	2022Q1	0.64	2022Q2	-0.24
Nondurable goods	-0.20	1980Q3	-0.20	2021Q4	0.12	2022Q2	-0.37
Services	1.24	2006Q2	1.24	2022Q2	1.99	2022Q1	0.93
Gross private domestic investment	-1.59	.....	.....	2022Q1	0.98	2022Q2	-2.83
Fixed investment	-0.89	.....	.....	2022Q1	0.83	2022Q2	-0.92
Nonresidential	0.49	2018Q3	0.49	2022Q1	0.98	2022Q2	0.01
Structures	-0.41	.....	.....	2022Q2	-0.34	2020Q2	-1.60
Equipment	0.54	2011Q4	0.54	2022Q1	0.55	2022Q2	-0.11
Intellectual property products	0.36	1998Q4	0.36	2022Q2	0.46	2020Q2	-0.46
Residential	-1.37	.....	.....	2022Q2	-0.93	2007Q4	-1.54
Change in private inventories	-0.70	2016Q1	-0.70	2022Q1	0.15	2022Q2	-1.91
Net exports of goods and services	2.77	.....	.....	1980Q3	2.96	2022Q2	1.16
Exports	1.63	2006Q4	1.63	2021Q4	2.37	2022Q2	1.51
Goods	1.34	.....	.....	2021Q4	1.62	2022Q2	1.18
Services	0.29	1989Q4	0.29	2022Q2	0.33	2022Q1	0.06
Imports	1.14	1990Q4	1.14	2020Q2	9.95	2022Q2	-0.35
Goods	1.20	.....	.....	2020Q2	7.23	2022Q2	0.05
Services	-0.06	2013Q2	-0.06	2021Q1	0.22	2022Q2	-0.41
Government consumption expenditures and gross investment	0.42	1989Q4	0.42	2021Q1	1.18	2022Q2	-0.29
Federal	0.23	1978Q3	0.23	2021Q1	1.17	2022Q2	-0.22
National defense	0.17	2009Q3	0.17	2020Q4	0.47	2022Q2	0.05
Nondefense	0.06	2019Q3	0.06	2021Q4	0.21	2022Q2	-0.28
State and local	0.19	2003Q3	0.19	2021Q3	0.49	2022Q2	-0.06

Source: U.S. Bureau of Economic Analysis