

#### **Notes:**

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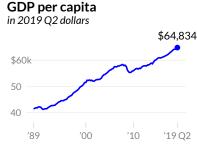
Updated: September 5, 2019

Unless otherwise noted: data are seasonally adjusted and adjusted for inflation where necessary; growth and interest rates are presented on an annualized basis; and average growth rates are simple averages of individual period growth rates, rather than annualized cumulative growth.

## **Overall Economic Activity**

This analysis of the United States economy begins with the most popular measure of economic activity, Gross Domestic Product (GDP). According to the Bureau of Economic Analysis, GDP–the seasonally-adjusted annualized value of goods and services produced in the US–was \$21,339 billion in the second quarter of 2019, compared to an inflation-adjusted equivalent of \$10,209 billion in the first quarter of 1989.

The US population is growing by about sixth-tenths of a percent per year. GDP per capita (see - ), adjusted for inflation to 2019 Q2 dollars, has increased to \$64,834 in 2019 Q2 from \$41,425 in 1989 Q1.



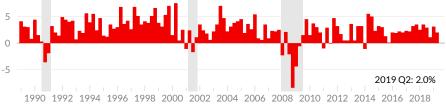
Source: Bureau of Economic Analysis

### **Economic Growth**

GDP (see •) increased at an annual rate of 2.0 percent during the second quarter of 2019, compared to an increase of 3.1 percent in the first quarter of 2019. Quarterly growth has averaged 2.5 percent over the past three years, 2.2 percent over the past 10 years, and 2.5 percent over the past 30 years.

#### **Real Gross Domestic Product Growth**

quarterly growth at seasonally adjusted annual rate, percent



Source: Bureau of Economic Analysis

## Components of Growth

The **expenditure approach** compiles GDP from the sum of spending on domestic goods and services. Major spending categories are consumer spending (see ■), private investment (gross spending on capital goods) and changes in private inventories (see ■), government spending and investment (see ■), and net exports (see ■) which is measured as foreign spending on US goods and services less US spending on goods and services produced by the rest of the world.

### Real GDP Growth by Expenditure Type

Percentage point contribution to GDP growth

Consumer Spending Investment\* Government Net Exports

\* Includes change in private inventories

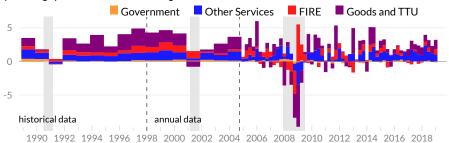
1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018

Source: Bureau of Economic Analysis

The **production approach** calculates GDP as the sum of gross value added-output minus inputs-in each sector. This identifies contributions from: goods-producing sectors combined with trade, transportation, and utilities (see ), finance, insurance, and real estate (see ), other service-providing sectors (see ), and government (see ).

## Real GDP Growth by Industry Group

percentage point contribution to GDP growth

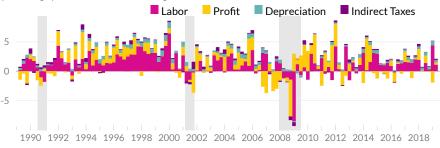


Source: Bureau of Economic Analysis

The income approach calculates GDP as the sum of market income to persons (in exchange for labor (see ■ ) or from returns on capital (see ■ )), indirect taxes such as sales taxes or tariffs (see ■ ), and depreciation (see ■ ).

#### **Real Gross Domestic Income Growth**

percentage point contribution to GDI growth

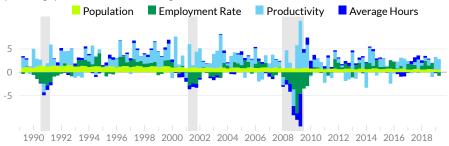


Source: Bureau of Economic Analysis

Changes to GDP can be assigned to changes in **household inputs**: population (see  $\blacksquare$ ), employment rates (see  $\blacksquare$ ), average hours worked (see  $\blacksquare$ ), and total economy productivity (see  $\blacksquare$ ).

## **Real GDP Growth by Inputs**

percentage point contribution to GDP growth



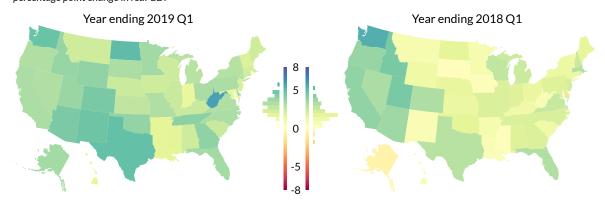
Source: Author's Calculations

components of Economic Goercentage point contribution to real C		owth				moving	average:	S
	2019 Q2	'19 Q1	'18 Q4	'18 Q3	'18 Q2	3- year	10- year	3 ye
■ Gross Domestic Product	2.0	3.1	1.1	2.9	3.5	2.5	2.2	2

percen	tage point contribution to real G	DF/GDI 8	TOWLIT				Hoving	uveruge	.5
		2019 Q2	'19 Q1	'18 Q4	'18 Q3	'18 Q2	3- year	10- year	30- year
	Gross Domestic Product	2.0	3.1	1.1	2.9	3.5	2.5	2.2	2.5
	Consumer Spending	3.10	0.78	0.97	2.34	2.70	1.88	1.58	1.81
	Durable Goods	0.87	0.02	0.09	0.25	0.56	0.44	0.42	0.42
	Non-durable Goods	0.91	0.30	0.24	0.50	0.57	0.40	0.30	0.33
	Services	1.32	0.46	0.65	1.59	1.57	1.03	0.85	1.06
	Gross Investment	-1.11	1.09	0.53	2.27	-0.30	0.62	0.87	0.59
	Residential	-0.09	0.60	0.64	0.29	1.04	0.60	0.58	0.54
	Non-residential	-0.11	-0.04	-0.18	-0.16	-0.15	-0.01	0.11	0.03
	Change in inventories	-0.91	0.53	0.07	2.14	-1.20	0.04	0.17	0.03
	Government	0.77	0.50	-0.07	0.36	0.44	0.25	0.00	0.24
	Federal	0.52	0.14	0.07	0.19	0.25	0.14	0.01	0.07
	State and Local	0.25	0.36	-0.14	0.17	0.19	0.12	-0.00	0.17
	Net Exports	-0.72	0.73	-0.35	-2.05	0.67	-0.25	-0.20	-0.15
	Exports	-0.71	0.49	0.18	-0.78	0.71	0.27	0.48	0.51
	Imports	-0.01	0.23	-0.53	-1.27	-0.04	-0.52	-0.67	-0.66
	Goods and TTU	-	1.39	1.13	1.13	0.99	0.89	0.57	0.91
	Manufacturing	-	0.51	0.32	0.31	0.26	0.32	0.15	0.33
	Construction	-	0.00	-0.09	0.12	0.11	0.07	-0.00	-0.01
	Retail Trade	-	0.63	-0.14	0.34	-0.06	0.24	0.13	0.20
	FIRE	-	0.80	-0.07	0.59	0.55	0.21	0.48	0.47
	Other Services	-	1.03	1.16	1.33	2.35	1.19	0.86	0.89
	Education & Healthcare	-	0.51	0.16	0.24	0.34	0.24	0.18	0.19
	Professional & Business	-	0.27	0.48	0.59	0.96	0.48	0.33	0.34
	Information	-	0.25	0.47	0.41	0.70	0.41	0.29	0.26
	Government	-	-0.14	-0.02	0.12	0.07	0.06	0.00	0.10
	Population	0.57	0.55	0.66	0.70	0.59	0.64	0.72	0.98
	Employment Rate	-0.75	-0.05	1.36	0.74	1.88	0.61	0.30	0.02
	Average Hours	-0.02	-0.15	-0.04	0.20	0.40	0.09	0.14	0.02
	Productivity	2.24	2.75	-0.90	1.29	0.64	1.16	1.10	1.48
	Gross Domestic Income	2.1	3.2	0.8	3.3	0.7	2.0	2.4	2.5
	Labor	1.11	4.41	0.28	1.39	-0.03	1.38	1.18	1.29
	Profit	0.38	-1.95	-0.11	1.26	0.12	0.06	0.79	0.63
	Depreciation	0.43	0.73	0.53	0.59	0.47	0.44	0.31	0.42
	Indirect Taxes	0.19	0.06	0.07	0.05	0.15	0.15	0.15	0.17

Source: Bureau of Economic Analysis and Author's Calculations

Real GDP Growth by State percentage point change in real GDP



Source: Bureau of Economic Analysis

For the year ending 2019 Q1, one state (West Virginia) had real GDP growth of more than five percent, 40 states had real GDP growth between two and five percent, 10 states had less than two percent GDP growth, and no states had negative GDP growth.

Real GDP Growth by State

quarterly growth at seasonally adjusted annualized rate total growth, 2019 Q1						Q1		
	2019 Q1	'18 Q4	'18 Q3	'18 Q2	'18 Q1	1-year	3-year	10-year
United States	2.2	4.2	3.4	2.2	3.1	3.2	8.3	23.4
Pacific	1.7	6.4	2.0	2.3	2.8	3.3	11.8	31.5
Washington	7.2	7.2	5.4	3.1	3.1	4.7	16.2	38.1
California	0.9	6.6	1.2	2.2	2.7	3.2	11.4	32.1
Oregon	2.0	3.6	4.2	1.3	3.1	3.1	12.1	27.7
Hawaii	0.0	2.4	1.6	1.1	1.2	1.6	4.7	16.1
Alaska	-5.7	1.7	2.9	4.9	3.9	3.4	0.2	-2.9
West South Central	2.4	4.1	2.5	5.6	4.7	4.2	6.7	26.7
Texas	2.4	4.5	3.3	6.6	5.1	4.9	8.3	34.0
Oklahoma	8.0	5.4	0.2	5.5	3.9	3.7	1.4	18.7
Arkansas	1.0	1.7	0.6	1.5	2.5	1.6	3.0	12.2
Louisiana	4.3	1.4	-0.1	1.3	3.8	1.6	2.0	-1.5
Middle Atlantic	1.2	4.1	2.8	1.2	3.1	2.8	6.9	20.2
New York	0.5	4.7	3.0	0.2	3.8	2.9	7.8	26.7
Pennsylvania	0.7	4.0	3.2	2.5	2.9	3.2	6.3	18.5
New Jersey	3.6	2.4	1.8	1.8	1.8	2.0	5.3	7.9
Mountain	2.7	4.0	4.8	3.3	3.8	4.0	10.0	20.0
Utah	5.9	3.7	4.7	1.8	4.2	3.6	12.2	32.8
Colorado	0.3	5.9	4.1	3.8	3.6	4.4	10.8	29.9
Idaho	2.0	5.6	3.6	2.7	2.7	3.6	12.5	21.6
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	2019 Q1	'18 Q4	'18 Q3	'18 Q2	'18 Q1	1-year	3-year	10-year
continued from previous page								
Arizona	5.2	2.6	7.4	3.5	3.8	4.3	12.4	18.9
Montana	-0.4	3.2	1.4	1.3	3.2	2.2	2.4	15.0
Nevada	6.4	2.5	2.7	2.8	4.0	3.0	9.0	11.0
New Mexico	-1.1	4.3	5.5	4.1	4.6	4.6	4.7	7.6
Wyoming	-6.2	3.0	2.8	6.0	3.3	3.8	-0.2	-13.3
South Atlantic	2.0	3.2	4.7	1.7	2.7	3.1	8.4	18.6
Georgia	-0.5	2.6	7.6	2.1	3.1	3.8	10.6	24.2
South Carolina	1.4	2.5	3.2	1.6	2.5	2.4	7.6	21.2
Florida	4.1	1.4	7.2	2.0	2.9	3.4	10.3	20.8
Maryland	0.4	3.7	-0.9	1.2	1.8	1.5	6.9	18.5
District of Columbia	3.7	1.4	6.3	0.1	1.4	2.3	7.2	17.6
North Carolina	2.0	7.7	0.5	1.9	2.8	3.2	7.9	15.1
Virginia	2.9	2.9	4.9	1.5	2.7	3.0	6.4	14.7
Delaware	-1.2	8.0	9.0	0.0	3.9	3.4	0.6	13.8
West Virginia	-2.0	6.8	9.3	1.8	5.2	5.7	6.1	6.5
West North Central	0.9	6.4	1.5	1.4	2.7	3.0	4.7	17.0
North Dakota	0.5	9.6	3.2	3.5	3.9	5.0	-0.9	52.0
Nebraska	0.7	4.7	-0.8	2.2	3.4	2.4	3.5	25.8
South Dakota	4.6	2.4	4.5	2.1	3.6	3.1	1.2	22.7
Minnesota	0.1	7.6	2.5	1.1	2.6	3.4	7.5	20.4
Iowa	1.4	6.5	-0.2	0.3	2.3	2.2	2.1	19.7
Kansas	0.6	5.4	1.2	0.9	3.1	2.6	5.7	14.7
Missouri	1.4	6.2	1.8	1.8	2.3	3.0	4.6	5.0
East North Central	2.8	1.8	3.9	1.5	3.0	2.5	5.9	16.4
Ohio	0.2	3.1	4.9	1.4	3.5	3.2	5.8	18.8
Michigan	2.3	3.8	3.3	1.8	2.6	2.9	7.5	18.4
Wisconsin	4.9	1.6	2.4	2.1	2.9	2.3	6.4	17.3
Indiana	4.0	-0.4	1.9	0.9	2.9	1.3	6.5	14.8
Illinois	4.0	0.6	5.0	1.3	2.9	2.4	4.5	13.6
New England	3.6	0.6	3.3	1.7	2.5	2.0	5.2	15.1
Massachusetts	4.7	2.2	1.8	1.8	2.7	2.1	7.2	25.4
New Hampshire	6.4	-0.7	3.9	1.7	2.6	1.9	5.7	20.7
Vermont	0.9	4.0	-1.1	1.9	2.5	1.8	5.0	11.9
Maine	2.0	2.5	3.1	0.7	2.6	2.2	6.1	8.6
Rhode Island	1.3	3.2	-5.7	1.0	2.2	0.1	0.9	7.7
Connecticut	1.7	-3.6	9.0	1.8	2.2	2.2	1.8	-0.1
East South Central	0.3	4.5	3.0	1.6	2.4	2.9	6.3	14.4
Tennessee	0.6	6.6	5.2	1.6	2.4	3.9	8.9	23.6
Kentucky	-1.8	4.5	0.9	1.8	2.5	2.4	4.1	12.8
Alabama	1.2	2.2	1.8	2.1	2.7	2.2	5.8	10.6
Mississippi	1.3	2.2	2.0	0.5	1.9	1.7	2.8	0.0

Source: Bureau of Economic Analysis

## **Financial Accounts**

A sectoral overview of US financial activities can be provided by dividing the world economy into three sectors: the US private sector (see ), the US government (see ), and the rest of the world (see ), then examining the net lending and borrowing between the groups, which must sum to zero at an aggregate level. That is, if one sector is running a deficit, another sector must be running a surplus.

#### **Sectoral Financial Balance**

net lending (+) or borrowing (-), NIPA basis, by sector, as share of GDP

Private Government Rest of World

TCJArepatriation

1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018

Source: Bureau of Economic Analysis

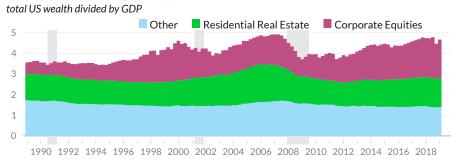
In 2019 Q1, the US private sector was a net lender (running a surplus) of the equivalent of 4.3 percent of GDP, compared to 2.3 percent in 2015 Q1. The rest of the world was a net lender to the US, to the equivalent of 2.6 percent of GDP in 2019 Q1 compared to 2.4 percent in 2015 Q1. Balancing these transactions, the government (federal, state, and local combined) was a net borrower (running a deficit) of the equivalent of -6.9 percent of GDP, compared to -4.7 percent in 2015. .

#### Wealth

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Total US wealth is the tangible assets of all non-corporate sectors of the US, plus the market value of domestic corporate equities, less US financial obligations to the rest of the world. The ratio of US total wealth, excluding public lands, to GDP increased to 4.66 in 2019 Q1 from 3.56 in 1989 Q1. The same ratio for the market value of corporate equities (see ■) increased to a 1.87 multiple of GDP in 2019 Q1 from 0.56 in 1989 Q1. The market value of residential real estate (see ■) increased to 1.4 times GDP from 1.27 in 1989. The other category (see ■), which includes tangible assets other than residential real estate less US financial obligations to the rest of the world, decreased to 1.39 from 1.72 in 1989.

#### **Total US Wealth to GDP Ratio**



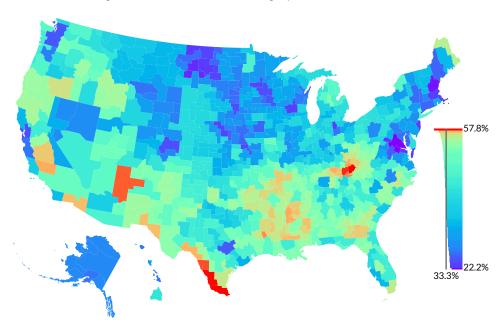
Source: Federal Reserve

# Households

Overview
Demographics (population, ages, marriage, children, etc.)
Personal Income
PCE
Residential fixed investment
Housing prices
Housing permits

# **Poverty**

Share of local population in bottom third of housing-adjusted income, 2017 Share of commuting zone householders with after-housing-expense annual income below \$13,060



Source: American Community Survey