

News Release

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BEA 18-53

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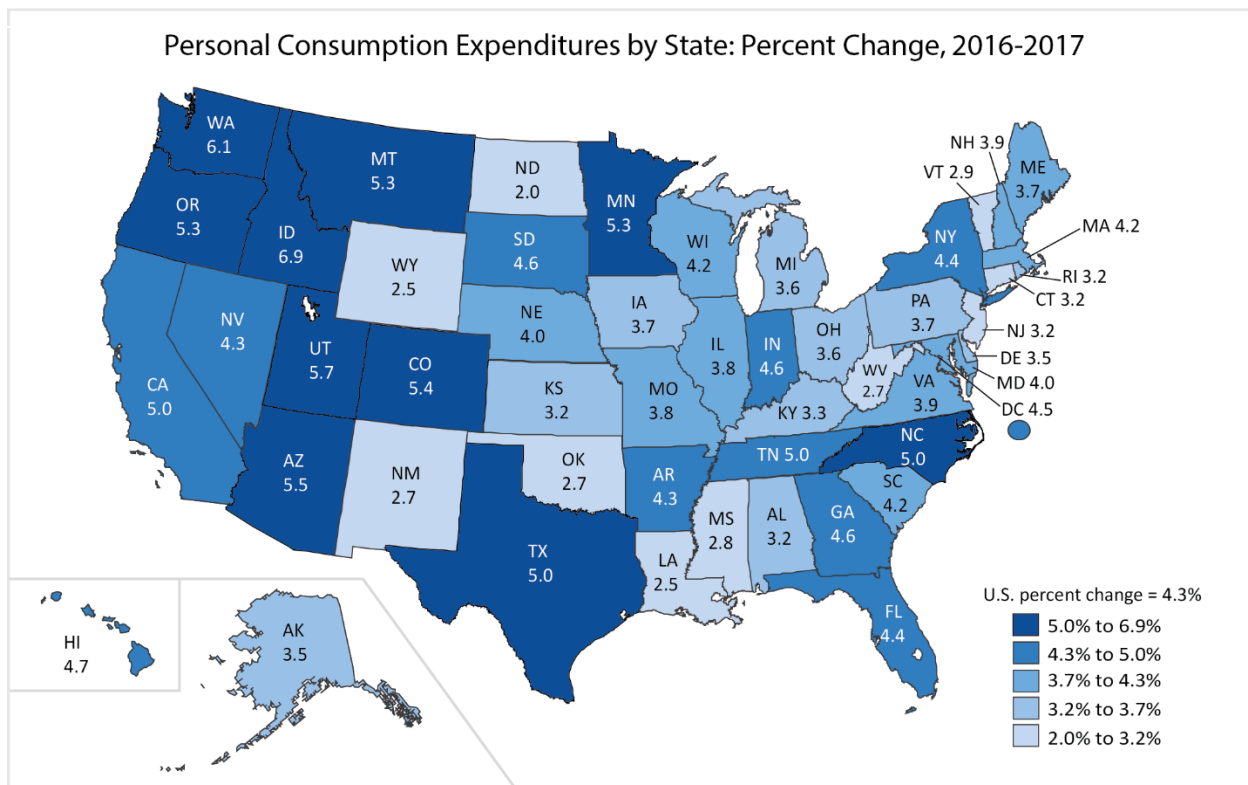
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Personal Consumption Expenditures by State, 2017

State personal consumption expenditures (PCE) increased on average 4.3 percent in 2017, an acceleration from the 3.8 percent increase in 2016 (table 1), according to statistics released today by the Bureau of Economic Analysis. The percent change in PCE across all states ranged from 6.9 percent in Idaho to 2.0 percent in North Dakota.

After Idaho, the states with the fastest growth in PCE were Washington, Utah, and Arizona. Idaho and Utah were also among the fastest growing states in 2016. After North Dakota, the states with the slowest PCE growth were Wyoming, Louisiana, and Oklahoma.



Category growth in PCE by state

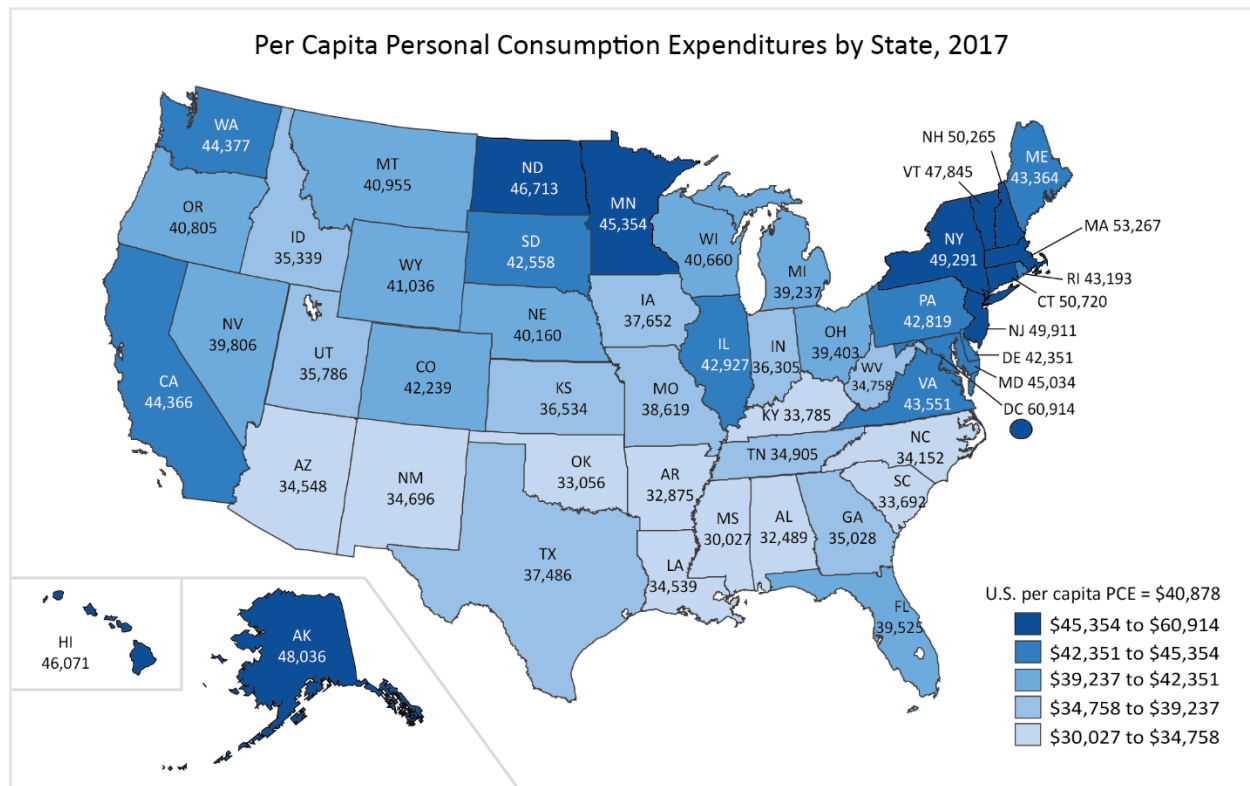
In 2017, expenditure growth in health care and housing and utilities were the leading contributors to national PCE growth (table 3). These categories grew 4.6 percent and 4.0 percent, respectively (table 2). Spending on health care and on housing and utilities were also among the leading contributors to PCE growth in most states, including the four fastest growing states.

- Arizona, Idaho, and Washington experienced above average growth in health care expenditures at 7.0 percent, 6.6 percent, and 6.5 percent, respectively.
- Washington, Idaho, and Utah experienced above average growth in housing and utilities expenditures at 5.1 percent, 4.3 percent, and 4.1 percent, respectively.

Gasoline and other energy goods expenditures increased on average 11.7 percent in 2017. It was the first year-over-year increase since 2012. Spending on gasoline and other energy goods increased in every state. Washington and Idaho experienced larger than average increases in this expenditure category – 16.0 percent and 14.9 percent, respectively.

Per capita PCE by state in 2017

Across all states and the District of Columbia, per capita PCE was \$40,878 (table 4). Per capita PCE by state ranged from a high of \$53,267 in Massachusetts to a low of \$30,027 in Mississippi. Per capita PCE in the District of Columbia was \$60,914.



U.S. Bureau of Economic Analysis

- After Massachusetts, the states with the highest per capita PCE were Connecticut, New Hampshire, and New Jersey. After Mississippi, the states with the lowest per capita PCE were Alabama, Arkansas, and Oklahoma.
- Massachusetts, Connecticut, and New Hampshire had above average per capita spending on housing and utilities, health care, and food and beverages purchased for off-premises consumption. New Hampshire also had above average per capita spending on gasoline and other energy goods.
- Mississippi, Arkansas, Alabama, and Oklahoma were among the states with the lowest per capita spending on housing and utilities and food and beverages purchased for off-premises consumption. These states also had below average per capita spending on health care, but above average per capita spending on gasoline and other energy goods.

More information on per capita spending for these categories can be found in the supplemental maps that accompany this release.

Comprehensive Update of Personal Consumption Expenditures by State

Today, BEA also released revised estimates of personal consumption expenditures by state for 1997 to 2016. Updates were made to incorporate the results of the July 2018 comprehensive update of the National Income and Product Accounts and the September 2018 comprehensive update of state personal income statistics.

The update also incorporates more complete and more detailed regional source data than previously available, and improvements to the statistical methods used to generate these estimates. Additional information on the methodological changes introduced with this comprehensive update is presented in an [article](#) in the August 2018 issue of the *Survey of Current Business*.

Next release: October 3, 2019
Personal Consumption Expenditures by State, 2018

Additional Information

Resources

- Stay informed about BEA developments by reading the BEA [blog](#), signing up for BEA's [email subscription service](#), or following BEA on Twitter [@BEA_News](#).
- Historical time series for these estimates can be accessed in BEA's [Interactive Data Application](#).
- Access BEA data by registering for BEA's Data [Application Programming Interface](#) (API).
- For more on BEA's statistics, see our monthly online journal, the [Survey of Current Business](#).
- BEA's [news release schedule](#)

Definitions

PCE by state is the state counterpart of the Nation's personal consumption expenditures (PCE). PCE by state measures the goods and services purchased by or on behalf of households and the net expenditures of nonprofit institutions serving households (NPISHs) by state of residence for the 50 states and the District of Columbia. PCE by state reflects spending on activities that are attributable to the residents of a state, even when those activities take place outside of the state.

Per capita PCE by state measures average PCE spending per person in a state and it is calculated as PCE in a state divided by the population of the state.

Current-dollar PCE by state statistics are unadjusted for price changes and reflect variation in both prices and quantities.

Statistical conventions

Year-to-year percent changes are calculated from unrounded data.

BEA regions

BEA groups all 50 states and the District of Columbia into eight distinct regions for purposes of presentation and analysis.

New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)

Mideast (Delaware, District of Columbia, Maryland, New Jersey, New York, and Pennsylvania)

Great Lakes (Illinois, Indiana, Michigan, Ohio, and Wisconsin)

Plains (Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota)

Southeast (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia)

Southwest (Arizona, New Mexico, Oklahoma, and Texas)

Rocky Mountain (Colorado, Idaho, Montana, Utah, and Wyoming)

Far West (Alaska, California, Hawaii, Nevada, Oregon, and Washington)

Relationship of PCE by state to national PCE. The U.S. PCE by state differs slightly from the PCE in the national accounts because PCE by state excludes the net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents. PCE by state, however, does include the travel expenditures abroad by U.S. residents.

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Table 1. Total Personal Consumption Expenditures by State, 2015-2017

	Millions of dollars			Percent change	
	2015	2016	2017	2016	2017
United States¹	12,287,647	12,760,282	13,314,863	3.8	4.3
New England	699,549	721,077	748,431	3.1	3.8
Connecticut	172,445	176,372	181,992	2.3	3.2
Maine	54,289	55,839	57,930	2.9	3.7
Massachusetts	338,224	350,556	365,405	3.6	4.2
New Hampshire	63,087	64,966	67,496	3.0	3.9
Rhode Island	43,164	44,348	45,769	2.7	3.2
Vermont	28,340	28,997	29,839	2.3	2.9
Mideast	2,169,483	2,243,348	2,331,764	3.4	3.9
Delaware	38,240	39,353	40,739	2.9	3.5
District of Columbia	38,917	40,440	42,273	3.9	4.5
Maryland	252,958	262,066	272,556	3.6	4.0
New Jersey	422,789	435,617	449,477	3.0	3.2
New York	901,711	936,872	978,399	3.9	4.4
Pennsylvania	514,867	528,999	548,321	2.7	3.7
Great Lakes	1,750,519	1,807,591	1,877,517	3.3	3.9
Illinois	512,854	529,435	549,556	3.2	3.8
Indiana	223,375	231,331	242,041	3.6	4.6
Michigan	363,927	377,305	390,895	3.7	3.6
Ohio	431,733	443,301	459,381	2.7	3.6
Wisconsin	218,629	226,219	235,644	3.5	4.2
Plains	801,880	829,112	863,303	3.4	4.1
Iowa	110,453	114,223	118,443	3.4	3.7
Kansas	100,215	103,082	106,429	2.9	3.2
Minnesota	230,061	240,189	252,923	4.4	5.3
Missouri	221,232	227,513	236,100	2.8	3.8
Nebraska	71,168	74,127	77,111	4.2	4.0
North Dakota	34,856	34,587	35,286	-0.8	2.0
South Dakota	33,896	35,390	37,011	4.4	4.6
Southeast	2,811,676	2,918,083	3,040,296	3.8	4.2
Alabama	149,745	153,456	158,375	2.5	3.2
Arkansas	91,201	94,713	98,766	3.9	4.3
Florida	763,109	794,066	829,402	4.1	4.5
Georgia	335,349	349,126	365,321	4.1	4.6
Kentucky	140,416	145,612	150,485	3.7	3.3
Louisiana	154,318	157,893	161,794	2.3	2.5
Mississippi	85,073	87,164	89,604	2.5	2.8
North Carolina	320,334	334,022	350,857	4.3	5.0
South Carolina	155,878	162,424	169,281	4.2	4.2
Tennessee	214,151	223,278	234,422	4.3	5.0
Virginia	342,143	354,902	368,875	3.7	3.9
West Virginia	59,957	61,428	63,115	2.5	2.7
Southwest	1,385,443	1,437,339	1,505,823	3.7	4.8
Arizona	221,711	229,756	242,400	3.6	5.5
New Mexico	68,838	70,517	72,447	2.4	2.7
Oklahoma	123,750	126,518	129,937	2.2	2.7
Texas	971,144	1,010,548	1,061,038	4.1	5.0
Rocky Mountain	428,683	450,570	475,312	5.1	5.5
Colorado	214,032	224,732	236,839	5.0	5.4
Idaho	53,641	56,771	60,675	5.8	6.9
Montana	39,333	40,840	43,023	3.8	5.3
Utah	98,616	105,035	111,002	6.5	5.7
Wyoming	23,060	23,192	23,773	0.6	2.5
Far West	2,240,415	2,353,163	2,472,417	5.0	5.1
Alaska	33,504	34,332	35,537	2.5	3.5
California	1,589,353	1,671,196	1,754,083	5.1	5.0
Hawaii	60,117	62,807	65,768	4.5	4.7
Nevada	109,976	114,473	119,339	4.1	4.3
Oregon	152,837	160,525	169,046	5.0	5.3
Washington	294,627	309,831	328,644	5.2	6.1

1. The U.S. values reported differ from the PCE values in the national accounts because PCE by state excludes net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents.

Note: Percent change from preceding period was calculated from unrounded data. Expenditures may not sum to higher-level aggregates because of rounding.

Source: U.S. Bureau of Economic Analysis

Table 2. Percent Change from Preceding Period of Personal Consumption Expenditures by State, 2016-2017--Continues

	Total PCE by State	Durable goods				Nondurable goods			
		Motor vehicles and parts	Furnishings and durable household equipment	Recreational goods and vehicles	Other durable goods	Off-premises food and beverages	Clothing and footwear	Gasoline and other energy goods	Other nondurable goods
United States¹	4.3	3.0	4.7	5.8	5.1	2.3	1.8	11.7	3.8
New England	3.8	2.8	3.4	5.3	4.9	3.2	0.6	10.3	4.9
Connecticut	3.2	1.5	2.8	5.9	3.9	1.5	0.1	8.0	3.5
Maine	3.7	2.2	4.1	6.0	5.2	3.7	0.2	13.0	2.5
Massachusetts	4.2	3.7	3.0	4.7	5.8	4.4	0.9	10.5	6.4
New Hampshire	3.9	1.7	3.0	8.5	2.9	2.7	0.1	12.4	3.0
Rhode Island	3.2	3.1	9.2	3.2	5.6	1.2	0.8	7.4	7.7
Vermont	2.9	4.5	4.0	6.9	1.9	2.6	0.8	8.6	1.0
Mideast	3.9	2.1	4.4	5.3	5.2	2.0	0.7	9.4	4.2
Delaware	3.5	1.2	2.3	3.0	1.1	0.8	0.7	10.2	1.0
District of Columbia	4.5	1.7	2.4	6.5	7.5	6.8	2.8	9.3	9.6
Maryland	4.0	1.5	3.5	4.1	6.0	1.8	1.8	8.4	4.3
New Jersey	3.2	1.6	5.5	5.0	2.5	2.5	0.3	9.8	3.3
New York	4.4	2.6	4.2	6.9	7.3	2.5	0.9	11.5	5.6
Pennsylvania	3.7	2.3	4.6	4.4	4.2	0.5	0.0	7.5	2.1
Great Lakes	3.9	2.8	5.1	5.4	5.0	2.4	0.8	12.3	3.5
Illinois	3.8	0.4	4.5	7.0	5.9	2.1	0.6	12.1	5.1
Indiana	4.6	3.4	5.9	5.7	6.0	1.2	3.0	11.6	3.4
Michigan	3.6	3.1	5.6	2.0	6.6	3.6	0.2	15.1	4.5
Ohio	3.6	3.9	6.1	5.1	1.8	1.7	0.1	10.4	1.5
Wisconsin	4.2	4.6	2.7	7.3	4.2	3.3	0.9	12.5	2.6
Plains	4.1	2.7	4.0	4.9	4.0	2.1	0.9	11.1	3.1
Iowa	3.7	2.0	4.1	2.8	4.3	1.6	1.1	11.8	3.2
Kansas	3.2	0.8	2.0	1.3	2.6	0.8	1.1	8.3	0.6
Minnesota	5.3	5.9	4.5	8.0	5.4	4.3	1.2	12.9	4.7
Missouri	3.8	1.8	5.7	4.0	3.3	1.5	0.6	11.3	3.5
Nebraska	4.0	3.2	5.0	4.3	3.6	1.5	2.3	11.3	1.9
North Dakota	2.0	-0.6	-2.8	5.6	-0.3	1.4	-3.5	6.1	0.4
South Dakota	4.6	2.4	2.7	5.6	2.7	0.5	1.6	10.9	3.1
Southeast	4.2	2.3	5.1	6.9	4.1	2.3	1.7	11.2	3.1
Alabama	3.2	2.1	4.4	6.3	2.5	0.8	1.0	10.3	2.4
Arkansas	4.3	0.0	5.2	5.9	4.3	1.6	2.7	8.8	4.3
Florida	4.4	3.9	5.6	8.4	2.5	2.5	1.8	12.6	3.4
Georgia	4.6	2.3	6.9	8.0	6.2	2.7	1.7	12.5	6.1
Kentucky	3.3	1.2	5.5	5.6	3.2	1.8	1.6	9.8	2.5
Louisiana	2.5	-1.2	4.0	3.9	3.6	1.1	0.2	8.6	1.8
Mississippi	2.8	0.2	2.8	7.1	4.6	0.6	1.3	9.1	1.7
North Carolina	5.0	3.2	4.3	8.7	6.0	2.9	2.4	12.8	2.3
South Carolina	4.2	2.7	4.8	4.6	6.0	0.8	4.5	9.0	3.1
Tennessee	5.0	2.6	6.8	5.9	5.7	2.0	2.4	13.8	3.1
Virginia	3.9	1.3	3.0	3.4	2.8	4.5	0.1	10.5	2.9
West Virginia	2.7	-0.2	1.0	4.7	1.7	1.1	0.2	5.4	-0.8
Southwest	4.8	2.7	3.4	6.0	6.6	2.7	2.8	10.9	3.5
Arizona	5.5	5.0	7.3	5.0	6.4	3.5	3.2	14.1	4.9
New Mexico	2.7	0.9	3.4	1.2	4.2	1.0	1.1	8.0	2.0
Oklahoma	2.7	-1.4	1.7	6.2	4.5	0.2	0.4	5.4	2.5
Texas	5.0	2.8	2.7	6.6	7.1	2.9	3.0	11.5	3.4
Rocky Mountain	5.5	6.1	6.3	7.7	8.2	3.1	3.7	12.8	6.1
Colorado	5.4	5.1	7.1	7.8	9.1	2.7	2.7	12.8	8.2
Idaho	6.9	8.5	6.1	7.0	8.7	6.7	2.9	14.9	5.2
Montana	5.3	3.9	4.4	7.8	7.0	2.2	2.7	12.4	3.9
Utah	5.7	8.5	6.4	9.0	7.8	2.4	6.7	13.4	4.5
Wyoming	2.5	0.6	1.1	-0.7	0.7	1.6	0.6	9.2	0.7
Far West	5.1	5.0	5.3	5.3	5.0	1.7	3.3	15.4	4.2
Alaska	3.5	-1.0	0.9	4.3	2.4	0.0	0.0	7.3	-0.1
California	5.0	4.9	4.2	4.1	4.4	1.1	3.3	16.2	4.2
Hawaii	4.7	2.6	5.4	6.6	9.4	4.5	5.3	10.3	3.5
Nevada	4.3	4.6	7.5	8.5	3.9	1.9	1.8	12.8	4.1
Oregon	5.3	7.1	8.6	7.9	3.1	2.9	3.8	12.7	2.0
Washington	6.1	5.5	7.6	8.3	9.3	3.3	3.1	16.0	5.9

1. The U.S. values reported may differ from the PCE values in the national accounts because PCE by state excludes net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents.

Note: Percent change from preceding period was calculated from unrounded data.

Source: U.S. Bureau of Economic Analysis

Table 2. Percent Change from Preceding Period of Personal Consumption Expenditures by State, 2016-2017--Table Ends

	[Percent]							
	Services							Final consumption expenditures of NPISHs
	Housing and utilities	Health care	Transportation services	Recreation services	Food services and accommodations	Financial services and insurance	Other services	
United States¹	4.0	4.6	4.6	5.0	2.7	7.2	4.6	2.8
New England	3.4	3.2	2.7	5.3	2.8	4.2	4.9	3.1
Connecticut	3.4	1.9	0.2	2.9	1.4	7.7	3.6	2.9
Maine	2.5	3.9	3.8	4.1	4.9	2.9	4.2	3.4
Massachusetts	3.7	3.7	3.5	6.5	3.2	2.2	6.2	3.1
New Hampshire	2.8	4.5	4.6	6.3	1.9	5.4	4.7	3.2
Rhode Island	2.8	1.8	4.0	4.2	2.2	4.7	0.8	3.3
Vermont	2.4	2.0	2.6	3.8	3.2	2.5	3.8	3.5
Mideast	3.6	4.6	3.7	2.2	3.3	7.8	3.5	3.1
Delaware	4.0	4.3	4.9	3.4	1.7	8.0	4.3	2.8
District of Columbia	6.3	3.5	6.7	8.4	1.8	3.1	2.7	1.7
Maryland	4.2	3.9	5.6	3.2	5.5	6.3	3.3	2.6
New Jersey	3.5	3.3	2.2	0.0	1.0	4.7	3.8	3.4
New York	3.2	5.7	4.3	1.8	4.6	10.0	2.6	3.0
Pennsylvania	3.9	4.0	2.5	3.5	1.1	7.2	5.5	3.2
Great Lakes	3.5	3.8	3.3	5.3	2.0	6.2	3.7	3.2
Illinois	3.8	3.6	3.0	4.4	2.1	6.1	3.5	3.1
Indiana	3.7	6.9	3.6	4.0	1.4	9.9	3.1	3.0
Michigan	3.4	2.6	2.1	6.9	3.0	1.7	3.6	3.3
Ohio	3.2	3.1	4.1	5.6	1.2	7.7	3.7	3.2
Wisconsin	3.4	3.8	4.7	5.5	2.6	6.4	4.7	3.2
Plains	4.3	4.7	3.1	4.1	2.0	6.7	4.1	3.0
Iowa	4.4	2.9	3.7	2.4	0.7	8.2	3.5	3.2
Kansas	5.2	3.3	2.0	1.9	1.1	7.5	4.1	2.6
Minnesota	4.6	5.9	3.8	6.3	3.0	5.9	6.9	3.0
Missouri	3.9	4.7	3.2	3.0	2.8	6.1	1.5	2.9
Nebraska	4.4	4.5	2.8	6.2	1.2	5.8	3.7	3.0
North Dakota	3.7	4.2	-2.5	-0.6	-2.4	3.2	3.4	3.3
South Dakota	0.4	7.2	6.0	3.8	1.0	11.4	3.8	3.2
Southeast	4.2	4.5	4.3	5.2	1.9	7.0	4.5	1.7
Alabama	3.1	4.3	5.1	2.9	2.0	3.3	3.2	2.0
Arkansas	3.6	6.1	4.3	2.9	2.4	8.6	2.2	2.6
Florida	4.2	4.5	4.5	5.5	1.2	8.4	4.9	-3.1
Georgia	4.9	4.6	4.3	5.9	3.0	3.4	5.0	0.0
Kentucky	3.3	3.1	4.6	4.0	1.9	5.9	3.6	3.0
Louisiana	4.3	1.5	2.0	0.8	-0.1	4.3	5.3	2.8
Mississippi	3.2	3.1	1.5	0.7	1.0	6.6	1.3	2.5
North Carolina	4.5	7.5	4.3	5.4	3.2	7.4	4.8	-4.6
South Carolina	3.8	3.2	5.5	9.6	2.5	9.7	5.3	2.3
Tennessee	4.3	4.9	6.6	8.9	3.3	11.4	4.7	2.0
Virginia	4.5	4.2	3.5	3.7	1.5	5.9	4.2	2.4
West Virginia	3.1	4.6	3.0	4.1	-0.9	8.2	2.8	3.5
Southwest	5.4	4.7	5.4	5.9	2.7	8.2	4.9	2.5
Arizona	3.7	7.0	6.9	7.5	6.5	6.7	5.0	2.2
New Mexico	3.5	2.5	2.8	2.7	1.5	4.4	2.7	3.0
Oklahoma	3.6	1.9	1.2	3.3	0.5	8.1	3.2	1.3
Texas	6.3	4.7	5.5	6.1	2.1	8.7	5.1	2.6
Rocky Mountain	5.1	4.3	5.9	6.9	4.1	8.8	5.1	2.4
Colorado	5.7	3.3	5.8	5.3	4.9	8.2	5.0	2.4
Idaho	4.3	6.6	8.5	9.5	4.8	13.4	5.6	-0.5
Montana	5.0	7.3	6.5	5.6	2.0	7.6	5.6	3.1
Utah	4.1	4.1	5.5	10.0	3.8	9.2	5.3	2.3
Wyoming	5.2	1.1	0.9	4.4	0.5	2.5	3.5	2.6
Far West	3.8	5.8	7.1	6.6	3.9	7.8	6.8	2.8
Alaska	4.2	7.5	3.4	2.0	-1.7	9.2	1.6	3.5
California	3.6	5.5	7.6	7.3	3.3	8.6	7.1	2.7
Hawaii	3.6	6.6	5.0	3.2	4.4	5.5	4.4	3.2
Nevada	2.5	6.5	3.6	1.2	0.6	5.0	6.4	2.8
Oregon	4.5	5.8	6.2	7.2	5.5	7.8	5.7	2.9
Washington	5.1	6.5	6.0	6.0	8.0	6.3	7.0	3.1

1. The U.S. values reported may differ from the PCE values in the national accounts because PCE by state excludes net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents.

Note: Percent change from preceding period was calculated from unrounded data.

Source: U.S. Bureau of Economic Analysis

Table 3. Category Contributions to Percent Change in Total Personal Consumption Expenditures by State, 2017--Continues

[Percentage points]

	Total PCE by State	Durable goods				Nondurable goods			
		Motor vehicles and parts	Furnishings and durable household equipment	Recreational goods and vehicles	Other durable goods	Off-premises food and beverages	Clothing and footwear	Gasoline and other energy goods	Other nondurable goods
United States¹	4.3	0.11	0.11	0.16	0.08	0.17	0.05	0.25	0.31
New England	3.8	0.09	0.07	0.15	0.08	0.23	0.01	0.19	0.39
Connecticut	3.2	0.05	0.06	0.15	0.06	0.10	0.00	0.13	0.31
Maine	3.7	0.09	0.09	0.17	0.08	0.36	0.00	0.43	0.22
Massachusetts	4.2	0.11	0.06	0.14	0.10	0.30	0.02	0.17	0.48
New Hampshire	3.9	0.06	0.06	0.19	0.06	0.21	0.00	0.30	0.22
Rhode Island	3.2	0.09	0.17	0.06	0.09	0.09	0.02	0.12	0.71
Vermont	2.9	0.18	0.08	0.19	0.02	0.24	0.01	0.26	0.08
Mideast	3.9	0.06	0.09	0.11	0.08	0.13	0.02	0.15	0.36
Delaware	3.5	0.06	0.04	0.10	0.02	0.07	0.02	0.21	0.06
District of Columbia	4.5	0.04	0.05	0.11	0.11	0.50	0.07	0.09	0.44
Maryland	4.0	0.06	0.08	0.10	0.09	0.12	0.05	0.15	0.35
New Jersey	3.2	0.05	0.12	0.12	0.05	0.17	0.01	0.16	0.27
New York	4.4	0.06	0.09	0.11	0.10	0.15	0.03	0.14	0.51
Pennsylvania	3.7	0.08	0.10	0.12	0.06	0.04	0.00	0.17	0.18
Great Lakes	3.9	0.10	0.11	0.14	0.09	0.17	0.02	0.28	0.29
Illinois	3.8	0.02	0.10	0.18	0.11	0.14	0.02	0.20	0.39
Indiana	4.6	0.13	0.14	0.16	0.09	0.09	0.08	0.34	0.30
Michigan	3.6	0.10	0.13	0.06	0.14	0.27	0.01	0.37	0.38
Ohio	3.6	0.15	0.13	0.12	0.03	0.12	0.00	0.25	0.12
Wisconsin	4.2	0.18	0.06	0.23	0.05	0.25	0.02	0.35	0.22
Plains	4.1	0.11	0.10	0.14	0.08	0.16	0.02	0.35	0.26
Iowa	3.7	0.10	0.10	0.08	0.07	0.14	0.03	0.45	0.29
Kansas	3.2	0.03	0.06	0.04	0.04	0.07	0.03	0.22	0.05
Minnesota	5.3	0.20	0.11	0.24	0.14	0.30	0.03	0.32	0.35
Missouri	3.8	0.07	0.12	0.11	0.04	0.10	0.02	0.36	0.34
Nebraska	4.0	0.16	0.13	0.11	0.06	0.11	0.06	0.44	0.16
North Dakota	2.0	-0.03	-0.08	0.22	-0.01	0.09	-0.11	0.31	0.04
South Dakota	4.6	0.12	0.07	0.18	0.06	0.04	0.04	0.40	0.21
Southeast	4.2	0.10	0.14	0.20	0.06	0.19	0.05	0.26	0.28
Alabama	3.2	0.10	0.11	0.17	0.04	0.06	0.03	0.29	0.26
Arkansas	4.3	0.00	0.14	0.16	0.08	0.13	0.09	0.29	0.43
Florida	4.4	0.17	0.17	0.28	0.04	0.20	0.05	0.21	0.27
Georgia	4.6	0.10	0.19	0.21	0.11	0.22	0.06	0.31	0.52
Kentucky	3.3	0.05	0.13	0.16	0.05	0.17	0.04	0.28	0.25
Louisiana	2.5	-0.06	0.11	0.11	0.05	0.09	0.01	0.24	0.18
Mississippi	2.8	0.01	0.06	0.18	0.08	0.05	0.04	0.29	0.18
North Carolina	5.0	0.15	0.11	0.28	0.09	0.25	0.08	0.34	0.23
South Carolina	4.2	0.12	0.12	0.12	0.11	0.07	0.15	0.29	0.29
Tennessee	5.0	0.12	0.18	0.16	0.08	0.17	0.07	0.34	0.31
Virginia	3.9	0.05	0.07	0.08	0.04	0.33	0.00	0.21	0.22
West Virginia	2.7	-0.01	0.02	0.11	0.03	0.09	0.00	0.16	-0.09
Southwest	4.8	0.13	0.09	0.15	0.11	0.21	0.09	0.30	0.30
Arizona	5.5	0.22	0.19	0.14	0.12	0.29	0.10	0.34	0.40
New Mexico	2.7	0.04	0.07	0.03	0.09	0.08	0.03	0.28	0.15
Oklahoma	2.7	-0.07	0.04	0.16	0.07	0.01	0.01	0.20	0.24
Texas	5.0	0.15	0.07	0.17	0.11	0.22	0.10	0.30	0.29
Rocky Mountain	5.5	0.24	0.17	0.25	0.14	0.26	0.10	0.30	0.46
Colorado	5.4	0.17	0.19	0.22	0.15	0.21	0.08	0.22	0.58
Idaho	6.9	0.40	0.16	0.25	0.15	0.67	0.07	0.44	0.42
Montana	5.3	0.18	0.14	0.35	0.15	0.20	0.06	0.42	0.30
Utah	5.7	0.39	0.18	0.34	0.13	0.18	0.20	0.33	0.37
Wyoming	2.5	0.02	0.02	-0.02	0.01	0.13	0.01	0.46	0.05
Far West	5.1	0.16	0.11	0.18	0.07	0.12	0.10	0.25	0.29
Alaska	3.5	-0.02	0.02	0.14	0.03	0.00	0.00	0.14	0.00
California	5.0	0.16	0.08	0.14	0.07	0.08	0.10	0.27	0.29
Hawaii	4.7	0.07	0.12	0.24	0.14	0.40	0.10	0.12	0.29
Nevada	4.3	0.17	0.19	0.23	0.08	0.14	0.05	0.24	0.33
Oregon	5.3	0.23	0.24	0.28	0.04	0.26	0.11	0.23	0.14
Washington	6.1	0.18	0.18	0.35	0.13	0.26	0.08	0.25	0.40

1. The U.S. values reported may differ from the PCE values in the national accounts because PCE by state excludes net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents.

Note: Category contributions were calculated from unrounded data and may not sum up due to rounding.

Source: U.S. Bureau of Economic Analysis

Table 3. Category Contributions to Percent Change in Total Personal Consumption Expenditures by State, 2017--Table Ends

[Percentage points]

	Services							Final consumption expenditures of NPISHs
	Housing and utilities	Health care	Transportation services	Recreation services	Food services and accommodations	Financial services and insurance	Other services	
United States¹	0.74	0.78	0.15	0.20	0.19	0.56	0.38	0.09
New England	0.64	0.55	0.09	0.22	0.17	0.33	0.45	0.13
Connecticut	0.68	0.30	0.01	0.11	0.07	0.70	0.35	0.10
Maine	0.41	0.69	0.08	0.16	0.32	0.19	0.29	0.16
Massachusetts	0.69	0.65	0.12	0.29	0.21	0.17	0.59	0.12
New Hampshire	0.54	0.77	0.14	0.27	0.11	0.44	0.38	0.13
Rhode Island	0.57	0.32	0.11	0.17	0.17	0.31	0.07	0.15
Vermont	0.43	0.36	0.06	0.14	0.21	0.15	0.28	0.21
Mideast	0.67	0.75	0.14	0.09	0.20	0.57	0.37	0.13
Delaware	0.74	0.85	0.12	0.10	0.11	0.56	0.36	0.09
District of Columbia	1.13	0.59	0.21	0.28	0.12	0.23	0.54	0.03
Maryland	0.96	0.65	0.17	0.12	0.35	0.37	0.31	0.08
New Jersey	0.72	0.49	0.08	0.00	0.05	0.31	0.39	0.19
New York	0.57	0.91	0.20	0.08	0.32	0.76	0.29	0.11
Pennsylvania	0.63	0.73	0.08	0.17	0.06	0.60	0.50	0.14
Great Lakes	0.59	0.69	0.12	0.23	0.12	0.48	0.28	0.15
Illinois	0.67	0.60	0.11	0.19	0.14	0.47	0.34	0.14
Indiana	0.60	1.44	0.11	0.17	0.09	0.55	0.22	0.11
Michigan	0.58	0.45	0.10	0.32	0.17	0.12	0.24	0.18
Ohio	0.50	0.60	0.13	0.24	0.08	0.74	0.26	0.15
Wisconsin	0.57	0.74	0.14	0.21	0.14	0.50	0.33	0.14
Plains	0.70	0.86	0.09	0.19	0.12	0.54	0.31	0.10
Iowa	0.70	0.50	0.10	0.10	0.04	0.63	0.25	0.12
Kansas	0.90	0.59	0.05	0.07	0.07	0.64	0.32	0.07
Minnesota	0.80	1.08	0.13	0.34	0.18	0.41	0.55	0.12
Missouri	0.63	0.86	0.09	0.14	0.19	0.49	0.12	0.09
Nebraska	0.68	0.81	0.07	0.24	0.07	0.56	0.26	0.10
North Dakota	0.49	0.75	-0.08	-0.02	-0.15	0.28	0.21	0.12
South Dakota	0.05	1.49	0.14	0.13	0.06	1.28	0.20	0.11
Southeast	0.76	0.79	0.11	0.18	0.14	0.55	0.35	0.02
Alabama	0.52	0.77	0.11	0.10	0.13	0.27	0.20	0.04
Arkansas	0.56	1.12	0.08	0.09	0.15	0.76	0.14	0.06
Florida	0.79	0.77	0.13	0.19	0.10	0.73	0.37	-0.01
Georgia	0.88	0.76	0.11	0.22	0.21	0.25	0.49	0.00
Kentucky	0.54	0.61	0.09	0.15	0.13	0.39	0.22	0.10
Louisiana	0.72	0.29	0.05	0.03	-0.01	0.29	0.31	0.06
Mississippi	0.54	0.63	0.03	0.01	0.07	0.50	0.07	0.06
North Carolina	0.80	1.32	0.10	0.21	0.23	0.51	0.36	-0.02
South Carolina	0.66	0.57	0.12	0.37	0.20	0.62	0.38	0.05
Tennessee	0.76	0.90	0.15	0.33	0.24	0.84	0.31	0.03
Virginia	0.92	0.63	0.09	0.13	0.10	0.57	0.45	0.05
West Virginia	0.46	1.03	0.04	0.11	-0.07	0.53	0.16	0.17
Southwest	0.93	0.77	0.16	0.24	0.20	0.69	0.36	0.05
Arizona	0.75	1.14	0.24	0.29	0.52	0.39	0.36	0.04
New Mexico	0.61	0.45	0.08	0.12	0.11	0.33	0.17	0.10
Oklahoma	0.57	0.35	0.02	0.13	0.03	0.68	0.22	0.02
Texas	1.04	0.76	0.16	0.25	0.15	0.78	0.40	0.06
Rocky Mountain	0.96	0.68	0.20	0.33	0.31	0.66	0.38	0.05
Colorado	1.14	0.53	0.23	0.28	0.40	0.51	0.44	0.06
Idaho	0.78	1.17	0.23	0.35	0.31	1.17	0.29	0.00
Montana	0.78	1.31	0.16	0.19	0.15	0.52	0.32	0.11
Utah	0.76	0.61	0.17	0.53	0.24	0.84	0.36	0.05
Wyoming	0.89	0.17	0.03	0.14	0.04	0.30	0.20	0.05
Far West	0.81	0.94	0.27	0.26	0.28	0.59	0.55	0.09
Alaska	0.73	1.63	0.09	0.07	-0.13	0.49	0.13	0.18
California	0.79	0.89	0.30	0.28	0.25	0.62	0.58	0.08
Hawaii	0.78	0.98	0.16	0.10	0.24	0.44	0.39	0.15
Nevada	0.46	0.90	0.10	0.05	0.03	0.84	0.36	0.08
Oregon	0.90	1.02	0.21	0.33	0.39	0.47	0.36	0.10
Washington	1.03	1.10	0.23	0.28	0.50	0.45	0.58	0.10

1. The U.S. values reported may differ from the PCE values in the national accounts because PCE by state excludes net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents.

Note: Category contributions were calculated from unrounded data and may not sum up due to rounding.

Source: U.S. Bureau of Economic Analysis

Table 4. Per Capita Personal Consumption Expenditures by State for Select Categories, 2017

[Dollars]

	Total Personal Consumption Expenditures	Housing and utilities	Health care	Off-premises food and beverages	Gasoline and other energy goods	All other Personal Consumption Expenditures
United States¹	40,878	7,515	6,973	2,965	943	22,483
New England	50,536	9,505	8,514	3,634	1,008	27,875
Connecticut	50,720	10,280	7,667	3,357	867	28,549
Maine	43,364	7,062	7,712	4,115	1,577	22,897
Massachusetts	53,267	9,778	9,234	3,682	900	29,674
New Hampshire	50,265	9,552	8,673	3,798	1,331	26,912
Rhode Island	43,193	8,760	7,429	2,966	752	23,287
Vermont	47,845	8,448	8,680	4,452	1,520	24,744
Mideast	47,232	8,787	7,777	2,978	793	26,897
Delaware	42,351	7,806	8,481	3,280	920	21,863
District of Columbia	60,914	11,161	10,036	4,577	591	34,549
Maryland	45,034	10,255	7,501	2,880	811	23,588
New Jersey	49,911	10,280	7,284	3,329	843	28,174
New York	49,291	8,740	7,953	2,904	634	29,059
Pennsylvania	42,819	7,059	7,805	2,784	995	24,176
Great Lakes	40,045	6,705	7,349	2,816	999	22,176
Illinois	42,927	7,636	7,129	2,715	768	24,680
Indiana	36,305	5,885	7,773	2,702	1,118	18,827
Michigan	39,237	6,674	6,869	2,961	1,068	21,666
Ohio	39,403	6,133	7,526	2,754	1,005	21,986
Wisconsin	40,660	6,796	7,818	3,047	1,240	21,758
Plains	40,542	6,630	7,363	2,934	1,376	22,239
Iowa	37,652	6,058	6,502	3,053	1,537	20,503
Kansas	36,534	6,419	6,418	2,998	1,033	19,666
Minnesota	45,354	7,802	8,277	3,077	1,214	24,985
Missouri	38,619	6,249	7,086	2,697	1,332	21,256
Nebraska	40,160	6,212	7,230	2,894	1,665	22,160
North Dakota	46,713	6,294	8,538	3,138	2,498	26,245
South Dakota	42,558	5,791	8,989	2,959	1,675	23,144
Southeast	36,317	6,536	6,360	2,933	915	19,574
Alabama	32,489	5,440	5,881	2,633	969	17,565
Arkansas	32,875	5,122	6,117	2,642	1,126	17,869
Florida	39,525	7,448	6,787	3,087	709	21,493
Georgia	35,028	6,303	5,802	2,872	920	19,131
Kentucky	33,785	5,438	6,524	3,127	1,012	17,685
Louisiana	34,539	5,819	6,485	2,788	1,035	18,413
Mississippi	30,027	5,155	6,038	2,658	1,029	15,147
North Carolina	34,152	5,982	6,170	2,898	963	18,139
South Carolina	33,692	5,795	5,899	2,799	1,125	18,073
Tennessee	34,905	6,090	6,372	2,826	935	18,683
Virginia	43,551	8,921	6,460	3,199	920	24,051
West Virginia	34,758	5,149	7,935	2,857	1,082	17,736
Southwest	36,425	6,270	5,985	2,814	1,048	20,310
Arizona	34,548	6,837	5,681	2,789	908	18,333
New Mexico	34,696	6,141	6,297	2,783	1,300	18,175
Oklahoma	33,056	5,361	6,070	2,406	1,259	17,959
Texas	37,486	6,264	6,025	2,878	1,035	21,284
Rocky Mountain	39,426	7,391	6,212	3,136	1,002	21,685
Colorado	42,239	8,418	6,500	3,203	782	23,335
Idaho	35,339	6,328	6,213	3,531	1,136	18,132
Montana	40,955	6,388	7,449	3,560	1,484	22,075
Utah	35,786	6,494	5,192	2,601	944	20,555
Wyoming	41,036	7,228	6,626	3,413	2,186	21,584
Far West	43,954	9,285	7,202	3,036	797	23,634
Alaska	48,036	8,479	10,859	3,986	989	23,724
California	44,366	9,657	7,203	2,872	810	23,825
Hawaii	46,071	9,847	6,905	4,081	549	24,689
Nevada	39,806	7,265	5,657	2,874	799	23,210
Oregon	40,805	8,062	7,181	3,523	804	21,235
Washington	44,377	8,775	7,530	3,409	748	23,915

1. The U.S. values reported may differ from the PCE values in the national accounts because PCE by state excludes net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents.

Note: Per capita values were calculated from unrounded data.

Source: U.S. Bureau of Economic Analysis

Table 5. Revisions to Total Personal Consumption Expenditures by State, 2014-2016

	Revised PCE (Millions of dollars)			Revision (Millions of dollars)			Percent revision		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
United States¹	11,816,077	12,287,647	12,760,282	-42,151	-40,181	-56,104	-0.4	-0.3	-0.4
New England	675,926	699,549	721,077	1,150	1,006	-3,498	0.2	0.1	-0.5
Connecticut	167,969	172,445	176,372	3,117	3,866	2,925	1.9	2.3	1.7
Maine	53,000	54,289	55,839	-1,231	-1,223	-1,442	-2.3	-2.2	-2.5
Massachusetts	324,425	338,224	350,556	73	-926	-3,529	0.0	-0.3	-1.0
New Hampshire	61,288	63,087	64,966	142	144	-185	0.2	0.2	-0.3
Rhode Island	41,702	43,164	44,348	-304	-253	-502	-0.7	-0.6	-1.1
Vermont	27,544	28,340	28,997	-645	-603	-764	-2.3	-2.1	-2.6
Mideast	2,098,727	2,169,483	2,243,348	10,684	12,411	7,697	0.5	0.6	0.3
Delaware	36,841	38,240	39,353	-1,229	-1,300	-1,460	-3.2	-3.3	-3.6
District of Columbia	36,825	38,917	40,440	1,637	1,879	1,720	4.7	5.1	4.4
Maryland	243,917	252,958	262,066	-6,054	-6,234	-7,157	-2.4	-2.4	-2.7
New Jersey	409,979	422,789	435,617	-302	-949	-2,413	-0.1	-0.2	-0.6
New York	870,394	901,711	936,872	8,013	11,043	10,704	0.9	1.2	1.2
Pennsylvania	500,770	514,867	528,999	8,617	7,972	6,302	1.8	1.6	1.2
Great Lakes	1,694,877	1,750,519	1,807,591	-7,987	-9,068	-13,103	-0.5	-0.5	-0.7
Illinois	494,662	512,854	529,435	-3,105	-2,860	-5,315	-0.6	-0.6	-1.0
Indiana	217,224	223,375	231,331	-4,382	-4,761	-5,022	-2.0	-2.1	-2.1
Michigan	352,750	363,927	377,305	-9,200	-11,491	-13,192	-2.5	-3.1	-3.4
Ohio	418,373	431,733	443,301	7,352	8,345	8,350	1.8	2.0	1.9
Wisconsin	211,867	218,629	226,219	1,346	1,697	2,076	0.6	0.8	0.9
Plains	776,483	801,880	829,112	-6,266	-7,340	-7,675	-0.8	-0.9	-0.9
Iowa	107,297	110,453	114,223	-2,238	-2,107	-1,776	-2.0	-1.9	-1.5
Kansas	97,426	100,215	103,082	-1,445	-1,533	-1,533	-1.5	-1.5	-1.5
Minnesota	221,527	230,061	240,189	-1,199	-1,791	-2,300	-0.5	-0.8	-0.9
Missouri	214,539	221,232	227,513	-364	-961	-1,135	-0.2	-0.4	-0.5
Nebraska	68,819	71,168	74,127	-326	-279	-193	-0.5	-0.4	-0.3
North Dakota	34,225	34,856	34,587	-1,406	-1,613	-1,965	-3.9	-4.4	-5.4
South Dakota	32,651	33,896	35,390	712	945	1,226	2.2	2.9	3.6
Southeast	2,702,249	2,811,676	2,918,083	-16,854	-21,063	-27,754	-0.6	-0.7	-0.9
Alabama	145,796	149,745	153,456	1,122	1,327	1,059	0.8	0.9	0.7
Arkansas	88,423	91,201	94,713	1,301	1,713	1,729	1.5	1.9	1.9
Florida	722,928	763,109	794,066	5,475	1,956	-2,471	0.8	0.3	-0.3
Georgia	323,403	335,349	349,126	-6,318	-7,070	-8,206	-1.9	-2.1	-2.3
Kentucky	135,853	140,416	145,612	-1,661	-1,931	-2,085	-1.2	-1.4	-1.4
Louisiana	149,293	154,318	157,893	-2,079	-1,710	-2,132	-1.4	-1.1	-1.3
Mississippi	83,382	85,073	87,164	-2,585	-2,834	-3,097	-3.0	-3.2	-3.4
North Carolina	307,918	320,334	334,022	-8,133	-8,222	-8,731	-2.6	-2.5	-2.5
South Carolina	150,252	155,878	162,424	-1,923	-2,031	-2,612	-1.3	-1.3	-1.6
Tennessee	206,255	214,151	223,278	-4,242	-4,874	-4,318	-2.0	-2.2	-1.9
Virginia	330,283	342,143	354,902	3,597	4,163	4,704	1.1	1.2	1.3
West Virginia	58,462	59,957	61,428	-1,409	-1,552	-1,594	-2.4	-2.5	-2.5
Southwest	1,332,222	1,385,443	1,437,339	-24,455	-24,310	-24,048	-1.8	-1.7	-1.6
Arizona	213,690	221,711	229,756	-10,053	-9,556	-9,924	-4.5	-4.1	-4.1
New Mexico	67,008	68,838	70,517	-3,478	-3,384	-3,773	-4.9	-4.7	-5.1
Oklahoma	120,850	123,750	126,518	-3,376	-3,293	-2,872	-2.7	-2.6	-2.2
Texas	930,674	971,144	1,010,548	-7,547	-8,077	-7,479	-0.8	-0.8	-0.7
Rocky Mountain	408,110	428,683	450,570	-12,985	-14,862	-16,077	-3.1	-3.4	-3.4
Colorado	203,272	214,032	224,732	-8,806	-10,202	-11,564	-4.2	-4.5	-4.9
Idaho	51,035	53,641	56,771	-372	-257	129	-0.7	-0.5	0.2
Montana	37,701	39,333	40,840	-1,683	-1,926	-2,116	-4.3	-4.7	-4.9
Utah	93,307	98,616	105,035	-2,011	-2,256	-2,107	-2.1	-2.2	-2.0
Wyoming	22,795	23,060	23,192	-114	-221	-419	-0.5	-0.9	-1.8
Far West	2,127,483	2,240,415	2,353,163	14,563	23,046	28,356	0.7	1.0	1.2
Alaska	32,320	33,504	34,332	-2,499	-2,422	-2,426	-7.2	-6.7	-6.6
California	1,507,506	1,589,353	1,671,196	16,430	24,307	29,472	1.1	1.6	1.8
Hawaii	57,739	60,117	62,807	-1,139	-1,200	-1,653	-1.9	-2.0	-2.6
Nevada	105,290	109,976	114,473	8,155	8,465	8,109	8.4	8.3	7.6
Oregon	144,801	152,837	160,525	-2,408	-2,598	-2,159	-1.6	-1.7	-1.3
Washington	279,827	294,627	309,831	-3,977	-3,508	-2,986	-1.4	-1.2	-1.0

1. The U.S. values reported differ from the PCE values in the national accounts because PCE by state excludes net expenditures abroad by U.S. residents, which consist of government and private employees' expenditures abroad less personal remittances in kind to nonresidents.

Note: Percent revision from preceding period was calculated from unrounded data. Expenditures may not sum to higher-level aggregates because of rounding.

Source: U.S. Bureau of Economic Analysis