

# News Release

EMBARGOED UNTIL RELEASE AT 8:30 A.M. EDT, WEDNESDAY, OCTOBER 4, 2017

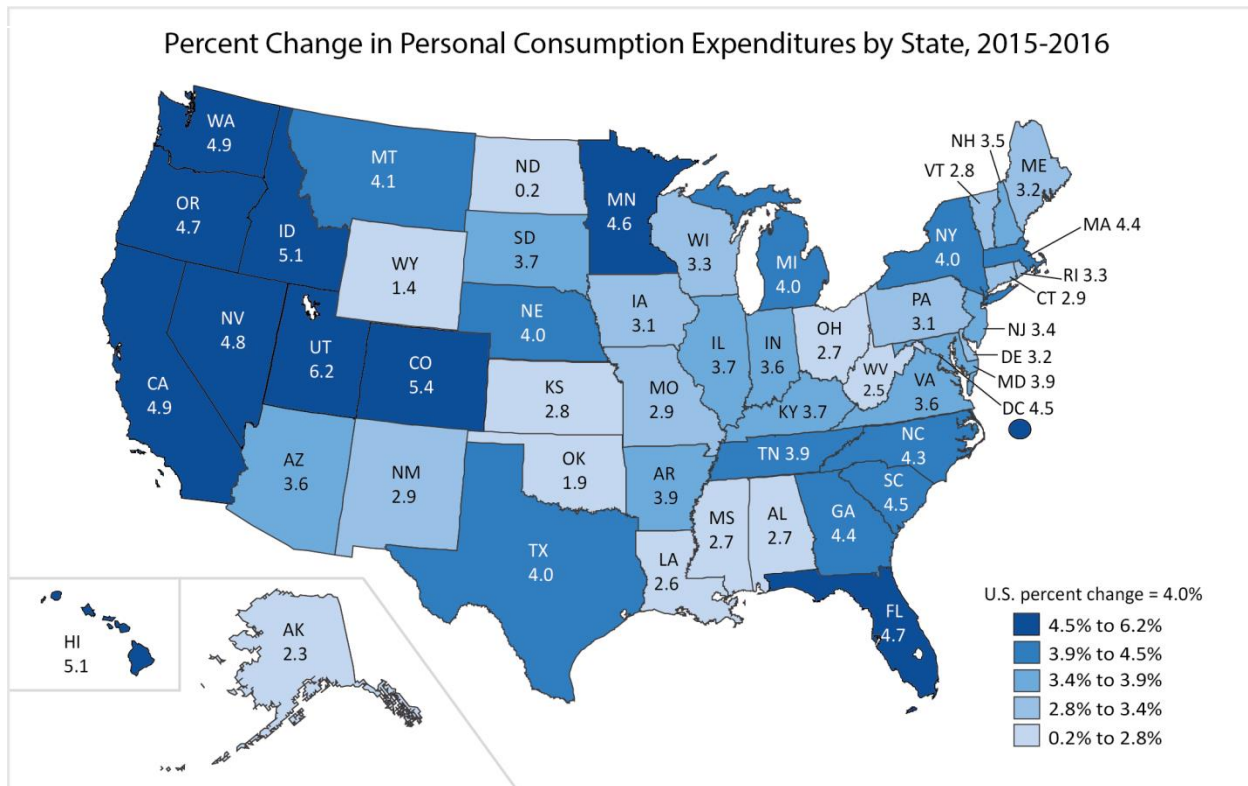
BEA 17-53

Technical: Ledia Guci (301) 278-9788 [Ledia.Guci@bea.gov](mailto:Ledia.Guci@bea.gov)  
[pcebystate@bea.gov](mailto:pcebystate@bea.gov)  
 Media: Jeannine Aversa (301) 278-9003 [Jeannine.Aversa@bea.gov](mailto:Jeannine.Aversa@bea.gov)

## Personal Consumption Expenditures by State, 2016

State personal consumption expenditures (PCE) grew on average 4.0 percent in 2016, the same rate as in 2015 (table 1), according to statistics released today by the Bureau of Economic Analysis. In 2016, PCE growth ranged from 0.2 percent in North Dakota to 6.2 percent in Utah.

After Utah, the states with the fastest growth in PCE were Colorado, Hawaii, and Idaho. Utah and Colorado were also among the fastest growing states in 2015. After North Dakota, the states with the slowest PCE growth were Wyoming, Oklahoma, and Alaska.



### Category growth in PCE by state

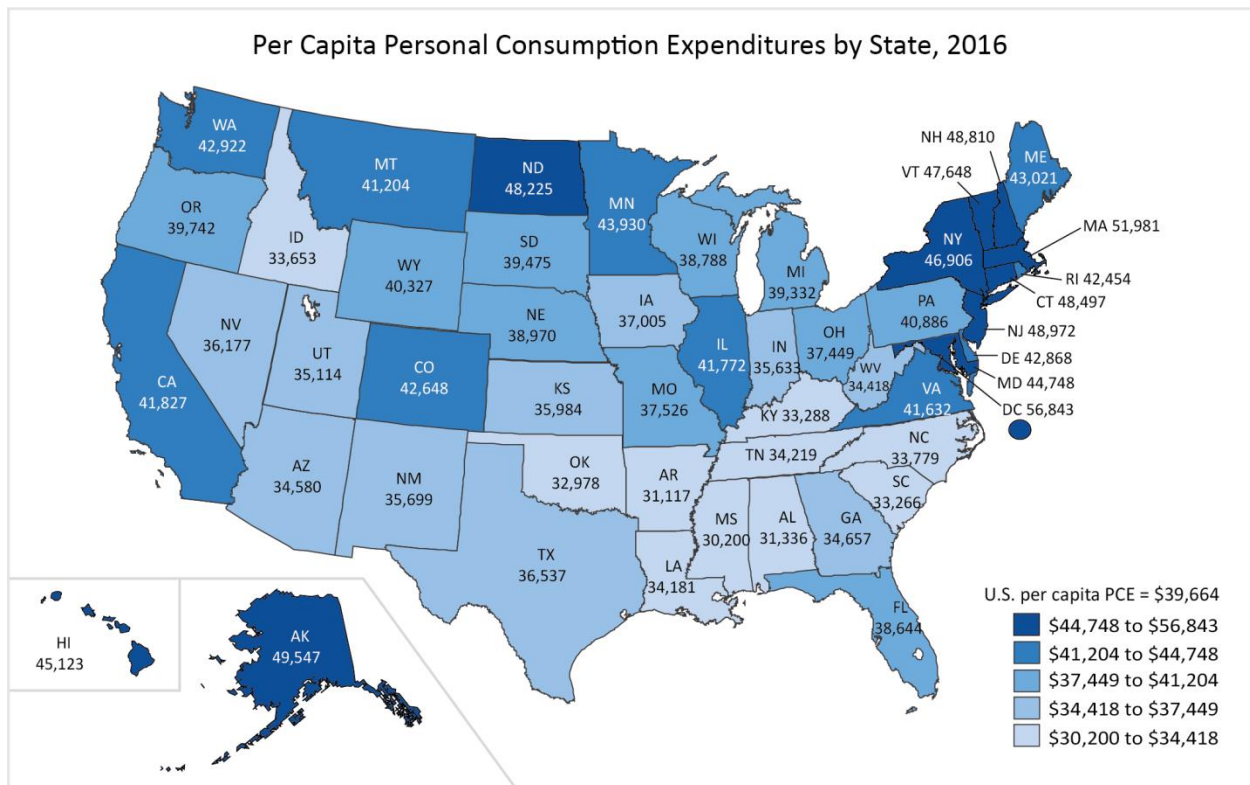
In 2016, growth in housing and utilities and in health care were the leading contributors to national PCE growth (table 3). These categories grew 4.3 percent and 5.0 percent, respectively (table 2). Spending on housing and utilities and health care were also the leading contributors to PCE growth in most states, including the four fastest growing states.

- Utah and Colorado experienced above average growth in housing and utilities expenditures at 5.0 percent and 5.6 percent, respectively.
- Utah, Colorado, Hawaii, and Idaho experienced above average growth in health care expenditures at 9.6 percent, 6.7 percent, 7.5 percent, and 7.8 percent, respectively.

Gasoline and other energy goods was the only category that subtracted from national PCE growth. Expenditures on gasoline and other energy goods declined on average 10.3 percent. Spending on gasoline and other energy goods declined in every state and subtracted the most from growth among the slowest growing states. North Dakota, Wyoming, and Alaska experienced larger than average declines in this expenditure category, 22.1 percent, 14.8 percent, and 12.6 percent, respectively.

### Per capita PCE by state in 2016

Across all states and the District of Columbia, per capita PCE was \$39,664 (table 4). Per capita PCE by state ranged from a high of \$51,981 in Massachusetts to a low of \$30,200 in Mississippi. Per capita PCE in the District of Columbia was \$56,843.



U.S. Bureau of Economic Analysis

- After Massachusetts, the states with the highest per capita PCE were Alaska, New Jersey, and New Hampshire. After Mississippi, the states with the lowest per capita PCE were Arkansas, Alabama, and Oklahoma.
- Massachusetts, Alaska, New Jersey, and New Hampshire had above average per capita spending on housing and utilities, health care, and food and beverages purchased for off-premises consumption. Alaska and 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.

#### **Updates to Personal Consumption Expenditures by State**

Today, BEA also released revised annual estimates of personal consumption expenditures by state for 2014 and 2015. Updates were made to incorporate the results of the 2017 annual update of the national income and product accounts and newly available and revised state source data.

Next release: October 4, 2018  
Personal Consumption Expenditures by State, 2017

## 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.

---

### List of News Release Tables

Table 1. Total Personal Consumption Expenditures by State

Table 2. Percent Change from Preceding Period of Personal Consumption Expenditures by Category and State

Table 3. Category Contributions to Percent Change in Total Personal Consumption Expenditures by State

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

**Table 1. Total Personal Consumption Expenditures by State and Region, 2014-2016**

	Millions of dollars			Percent change	
	2014	2015	2016	2015	2016
<b>United States<sup>1</sup></b> .....	<b>11,858,228</b>	<b>12,327,828</b>	<b>12,816,386</b>	<b>4.0</b>	<b>4.0</b>
<b>New England</b> .....	<b>674,776</b>	<b>698,543</b>	<b>724,575</b>	<b>3.5</b>	<b>3.7</b>
Connecticut.....	164,852	168,579	173,448	2.3	2.9
Maine.....	54,231	55,512	57,281	2.4	3.2
Massachusetts.....	324,353	339,150	354,085	4.6	4.4
New Hampshire.....	61,146	62,944	65,151	2.9	3.5
Rhode Island.....	42,006	43,417	44,850	3.4	3.3
Vermont.....	28,189	28,943	29,761	2.7	2.8
<b>Mideast</b> .....	<b>2,088,044</b>	<b>2,157,072</b>	<b>2,235,651</b>	<b>3.3</b>	<b>3.6</b>
Delaware.....	38,070	39,540	40,813	3.9	3.2
District of Columbia.....	35,188	37,038	38,720	5.3	4.5
Maryland.....	249,971	259,192	269,223	3.7	3.9
New Jersey.....	410,281	423,738	438,030	3.3	3.4
New York.....	862,381	890,669	926,168	3.3	4.0
Pennsylvania.....	492,153	506,895	522,697	3.0	3.1
<b>Great Lakes</b> .....	<b>1,702,864</b>	<b>1,759,587</b>	<b>1,820,694</b>	<b>3.3</b>	<b>3.5</b>
Illinois.....	497,767	515,714	534,750	3.6	3.7
Indiana.....	221,606	228,136	236,353	2.9	3.6
Michigan.....	361,950	375,418	390,497	3.7	4.0
Ohio.....	411,021	423,388	434,951	3.0	2.7
Wisconsin.....	210,521	216,932	224,143	3.0	3.3
<b>Plains</b> .....	<b>782,749</b>	<b>809,220</b>	<b>836,788</b>	<b>3.4</b>	<b>3.4</b>
Iowa.....	109,535	112,560	115,999	2.8	3.1
Kansas.....	98,871	101,748	104,615	2.9	2.8
Minnesota.....	222,726	231,852	242,489	4.1	4.6
Missouri.....	214,903	222,193	228,648	3.4	2.9
Nebraska.....	69,145	71,447	74,320	3.3	4.0
North Dakota.....	35,631	36,469	36,552	2.4	0.2
South Dakota.....	31,939	32,951	34,164	3.2	3.7
<b>Southeast</b> .....	<b>2,719,103</b>	<b>2,832,739</b>	<b>2,945,837</b>	<b>4.2</b>	<b>4.0</b>
Alabama.....	144,674	148,418	152,397	2.6	2.7
Arkansas.....	87,122	89,489	92,984	2.7	3.9
Florida.....	717,453	761,153	796,537	6.1	4.6
Georgia.....	329,721	342,419	357,332	3.9	4.4
Kentucky.....	137,514	142,347	147,697	3.5	3.8
Louisiana.....	151,372	156,028	160,025	3.1	2.6
Mississippi.....	85,967	87,907	90,261	2.3	2.7
North Carolina.....	316,051	328,556	342,753	4.0	4.3
South Carolina.....	152,175	157,909	165,036	3.8	4.5
Tennessee.....	210,497	219,025	227,596	4.1	3.9
Virginia.....	326,686	337,980	350,198	3.5	3.6
West Virginia.....	59,871	61,509	63,022	2.7	2.5
<b>Southwest</b> .....	<b>1,356,677</b>	<b>1,409,753</b>	<b>1,461,387</b>	<b>3.9</b>	<b>3.7</b>
Arizona.....	223,743	231,267	239,680	3.4	3.6
New Mexico.....	70,486	72,222	74,290	2.5	2.9
Oklahoma.....	124,227	127,043	129,390	2.3	1.8
Texas.....	938,221	979,221	1,018,027	4.4	4.0
<b>Rocky Mountain</b> .....	<b>421,096</b>	<b>443,545</b>	<b>466,647</b>	<b>5.3</b>	<b>5.2</b>
Colorado.....	212,078	224,234	236,296	5.7	5.4
Idaho.....	51,407	53,898	56,642	4.8	5.1
Montana.....	39,384	41,259	42,956	4.8	4.1
Utah.....	95,318	100,872	107,142	5.8	6.2
Wyoming.....	22,909	23,281	23,611	1.6	1.4
<b>Far West</b> .....	<b>2,112,920</b>	<b>2,217,369</b>	<b>2,324,808</b>	<b>4.9</b>	<b>4.8</b>
Alaska.....	34,819	35,926	36,758	3.2	2.3
California.....	1,491,076	1,565,046	1,641,724	5.0	4.9
Hawaii.....	58,878	61,317	64,460	4.1	5.1
Nevada.....	97,135	101,511	106,364	4.5	4.8
Oregon.....	147,209	155,435	162,684	5.6	4.7
Washington.....	283,804	298,135	312,817	5.0	4.9

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, 2015-2016--Continues

	[Percent]								
	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
<b>United States<sup>1</sup></b> .....	<b>4.0</b>	<b>1.8</b>	<b>4.4</b>	<b>3.5</b>	<b>4.0</b>	<b>1.8</b>	<b>2.1</b>	<b>-10.3</b>	<b>4.8</b>
<b>New England</b> .....	<b>3.7</b>	<b>1.5</b>	<b>4.7</b>	<b>4.1</b>	<b>4.8</b>	<b>1.9</b>	<b>2.5</b>	<b>-12.3</b>	<b>5.4</b>
Connecticut.....	2.9	1.9	3.1	3.5	3.3	0.6	1.5	-15.3	5.5
Maine.....	3.2	2.4	3.2	1.8	4.6	1.5	1.1	-13.1	6.8
Massachusetts.....	4.4	0.8	5.3	5.1	6.0	2.9	3.5	-10.0	5.2
New Hampshire.....	3.5	1.7	5.5	0.9	3.0	0.5	1.1	-15.2	4.1
Rhode Island.....	3.3	3.1	7.2	3.2	5.0	1.8	2.0	-9.2	6.4
Vermont.....	2.8	1.5	5.5	4.5	3.0	1.8	1.7	-10.6	4.4
<b>Mideast</b> .....	<b>3.6</b>	<b>1.6</b>	<b>3.1</b>	<b>2.4</b>	<b>3.3</b>	<b>1.1</b>	<b>0.9</b>	<b>-10.8</b>	<b>4.9</b>
Delaware.....	3.2	1.9	5.4	2.8	5.9	1.3	2.0	-8.1	5.3
District of Columbia.....	4.5	2.1	5.4	2.3	5.0	3.1	3.3	-10.3	3.6
Maryland.....	3.9	2.9	3.9	2.9	3.2	0.8	1.1	-10.4	6.7
New Jersey.....	3.4	1.5	2.2	1.2	2.6	0.1	0.4	-12.7	5.2
New York.....	4.0	1.1	2.5	3.3	4.8	1.2	1.0	-12.5	4.6
Pennsylvania.....	3.1	1.4	4.2	1.9	1.2	1.7	0.6	-8.4	4.3
<b>Great Lakes</b> .....	<b>3.5</b>	<b>1.8</b>	<b>4.5</b>	<b>3.3</b>	<b>3.8</b>	<b>1.7</b>	<b>2.1</b>	<b>-10.2</b>	<b>4.7</b>
Illinois.....	3.7	1.0	6.1	3.2	4.4	0.9	2.3	-11.4	4.7
Indiana.....	3.6	3.1	4.9	2.4	2.2	1.3	3.4	-10.1	3.9
Michigan.....	4.0	2.1	3.8	4.4	5.0	3.4	1.8	-8.7	6.1
Ohio.....	2.7	1.7	2.5	2.6	3.4	1.0	1.5	-11.9	2.7
Wisconsin.....	3.3	1.9	4.8	3.9	1.9	2.0	2.0	-7.5	6.2
<b>Plains</b> .....	<b>3.4</b>	<b>0.3</b>	<b>4.6</b>	<b>3.0</b>	<b>4.6</b>	<b>2.7</b>	<b>2.4</b>	<b>-10.2</b>	<b>5.5</b>
Iowa.....	3.1	1.3	3.8	1.6	2.5	3.4	2.6	-8.8	6.0
Kansas.....	2.8	1.0	6.2	5.5	1.9	1.4	2.2	-10.1	4.3
Minnesota.....	4.6	0.8	5.9	2.2	7.8	4.2	3.3	-8.2	7.5
Missouri.....	2.9	0.3	4.3	2.3	2.7	1.5	1.0	-9.8	4.3
Nebraska.....	4.0	0.6	4.8	6.5	5.8	3.0	4.0	-9.4	6.8
North Dakota.....	0.2	-7.0	-2.7	2.7	-1.6	1.2	0.1	-22.1	0.4
South Dakota.....	3.7	0.0	3.7	5.0	2.4	3.3	4.7	-9.4	4.9
<b>Southeast</b> .....	<b>4.0</b>	<b>2.1</b>	<b>4.7</b>	<b>4.1</b>	<b>3.8</b>	<b>2.2</b>	<b>2.2</b>	<b>-11.0</b>	<b>4.0</b>
Alabama.....	2.7	2.0	4.8	2.9	1.7	1.9	2.1	-11.6	1.6
Arkansas.....	3.9	2.4	4.9	0.9	4.5	4.2	2.4	-9.9	6.8
Florida.....	4.6	1.5	5.2	5.1	3.2	2.7	1.1	-11.2	3.9
Georgia.....	4.4	3.9	5.4	4.8	5.7	0.3	2.1	-13.0	3.4
Kentucky.....	3.8	0.8	5.1	6.9	5.3	3.5	4.1	-11.8	4.4
Louisiana.....	2.6	-0.8	2.1	1.8	3.9	1.1	1.4	-10.2	3.8
Mississippi.....	2.7	1.6	2.3	2.0	5.1	1.1	4.7	-13.7	3.8
North Carolina.....	4.3	3.2	5.2	5.1	4.2	2.4	4.0	-8.3	4.3
South Carolina.....	4.5	2.7	5.3	6.0	4.7	2.6	3.8	-9.6	4.9
Tennessee.....	3.9	3.3	6.7	4.0	3.3	1.1	1.9	-9.2	5.9
Virginia.....	3.6	1.6	2.4	0.9	3.0	3.7	1.2	-12.9	3.3
West Virginia.....	2.5	0.1	1.7	0.8	2.4	0.6	1.7	-10.6	5.0
<b>Southwest</b> .....	<b>3.7</b>	<b>1.1</b>	<b>4.4</b>	<b>2.5</b>	<b>4.1</b>	<b>1.9</b>	<b>2.7</b>	<b>-10.5</b>	<b>4.0</b>
Arizona.....	3.6	2.2	5.2	0.4	3.9	0.4	1.7	-10.6	4.8
New Mexico.....	2.9	0.3	0.6	3.3	2.8	0.8	2.8	-11.2	4.5
Oklahoma.....	1.8	-1.1	2.2	0.6	1.9	1.1	1.5	-9.7	2.5
Texas.....	4.0	1.2	4.7	3.2	4.5	2.5	3.0	-10.5	4.0
<b>Rocky Mountain</b> .....	<b>5.2</b>	<b>2.0</b>	<b>6.4</b>	<b>4.8</b>	<b>6.6</b>	<b>3.6</b>	<b>4.2</b>	<b>-10.6</b>	<b>7.7</b>
Colorado.....	5.4	0.8	6.5	3.8	7.2	3.9	3.9	-10.3	8.7
Idaho.....	5.1	4.0	5.3	4.5	5.0	4.4	5.2	-11.2	7.9
Montana.....	4.1	0.3	5.2	2.8	6.0	1.9	2.2	-10.4	5.2
Utah.....	6.2	4.8	8.0	9.5	7.4	3.8	5.4	-8.8	7.6
Wyoming.....	1.4	-4.2	1.4	-5.8	1.3	1.2	2.0	-14.8	1.2
<b>Far West</b> .....	<b>4.8</b>	<b>3.2</b>	<b>4.4</b>	<b>4.0</b>	<b>4.2</b>	<b>1.1</b>	<b>2.4</b>	<b>-7.7</b>	<b>5.5</b>
Alaska.....	2.3	-4.2	-1.4	2.8	6.3	1.5	1.9	-12.6	3.0
California.....	4.9	3.1	3.4	4.0	4.0	1.0	2.5	-6.4	5.4
Hawaii.....	5.1	1.7	4.6	3.8	6.8	3.6	2.4	-6.6	5.5
Nevada.....	4.8	2.2	7.3	5.0	3.4	2.2	0.7	-10.8	5.5
Oregon.....	4.7	4.9	5.7	3.4	4.2	1.0	3.4	-10.2	5.2
Washington.....	4.9	4.0	7.5	4.1	5.0	0.4	2.1	-11.1	6.5

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, 2015-2016--Table Ends

	[Percent]							
		Services						Final consumption expenditures of NPISHs
	Housing and utilities	Health care	Transportation services	Recreation services	Food services and accom-modations	Financial services and insurance	Other services	
<b>United States<sup>1</sup></b> .....	<b>4.3</b>	<b>5.0</b>	<b>4.9</b>	<b>4.6</b>	<b>5.1</b>	<b>4.0</b>	<b>5.0</b>	<b>8.9</b>
<b>New England</b> .....	<b>3.2</b>	<b>3.9</b>	<b>4.9</b>	<b>4.5</b>	<b>5.3</b>	<b>4.3</b>	<b>5.6</b>	<b>6.4</b>
Connecticut.....	3.3	2.6	2.8	3.1	3.9	3.6	3.4	6.8
Maine.....	2.0	3.0	7.3	6.5	5.8	4.0	6.6	5.3
Massachusetts.....	3.4	4.8	5.4	5.1	6.1	4.8	6.5	6.7
New Hampshire.....	3.3	5.1	6.1	4.6	4.6	4.9	6.7	6.5
Rhode Island.....	2.2	1.3	5.7	3.4	5.7	3.4	6.0	5.6
Vermont.....	3.1	4.2	5.2	2.3	2.0	3.6	2.9	4.6
<b>Mideast</b> .....	<b>3.5</b>	<b>4.5</b>	<b>3.6</b>	<b>3.9</b>	<b>4.8</b>	<b>3.6</b>	<b>5.4</b>	<b>8.0</b>
Delaware.....	3.2	4.3	5.9	1.7	4.2	3.4	2.5	6.4
District of Columbia.....	5.2	6.0	8.5	2.4	2.9	5.0	5.3	1.9
Maryland.....	4.0	4.0	3.8	3.8	4.4	4.1	5.3	10.5
New Jersey.....	3.8	4.2	2.7	3.0	4.3	3.6	5.4	7.1
New York.....	3.1	5.4	3.7	4.5	5.9	3.5	6.0	9.1
Pennsylvania.....	3.3	3.5	3.6	4.0	3.1	3.4	4.7	6.9
<b>Great Lakes</b> .....	<b>3.0</b>	<b>4.6</b>	<b>4.6</b>	<b>4.2</b>	<b>4.2</b>	<b>3.7</b>	<b>3.9</b>	<b>7.4</b>
Illinois.....	3.6	4.3	5.2	3.8	4.4	3.6	4.4	9.2
Indiana.....	2.6	6.4	4.8	3.9	3.5	4.2	3.7	8.8
Michigan.....	3.0	4.9	4.8	6.1	5.1	3.9	3.5	6.4
Ohio.....	2.6	3.9	4.4	2.8	3.7	3.3	3.6	6.7
Wisconsin.....	2.7	4.0	2.8	4.7	3.9	3.4	3.9	6.2
<b>Plains</b> .....	<b>4.1</b>	<b>4.6</b>	<b>3.8</b>	<b>4.6</b>	<b>3.9</b>	<b>3.2</b>	<b>3.3</b>	<b>6.8</b>
Iowa.....	3.8	4.0	2.7	6.8	4.2	2.5	1.0	6.1
Kansas.....	3.5	2.1	4.2	5.1	2.5	3.2	3.6	8.9
Minnesota.....	4.9	5.6	4.2	6.5	5.3	3.3	4.4	6.4
Missouri.....	3.4	4.5	3.7	2.9	3.7	3.8	2.8	6.7
Nebraska.....	3.3	6.1	4.1	5.0	6.0	3.1	3.6	8.2
North Dakota.....	7.3	3.7	2.9	-7.3	-4.8	3.6	3.4	5.4
South Dakota.....	4.4	5.7	4.6	3.0	4.2	1.1	6.2	7.5
<b>Southeast</b> .....	<b>5.3</b>	<b>4.7</b>	<b>5.8</b>	<b>4.9</b>	<b>4.7</b>	<b>4.2</b>	<b>5.0</b>	<b>12.4</b>
Alabama.....	3.6	2.9	3.3	3.3	4.6	3.5	3.2	16.3
Arkansas.....	2.6	7.0	2.1	3.4	5.6	3.4	2.8	10.8
Florida.....	6.5	5.1	8.8	6.4	4.7	5.1	6.0	14.4
Georgia.....	5.9	6.6	6.0	4.3	4.8	5.0	5.7	14.5
Kentucky.....	5.1	5.1	2.8	2.4	4.8	2.8	3.0	6.9
Louisiana.....	3.4	4.3	2.9	4.9	1.2	2.0	3.7	10.7
Mississippi.....	4.6	2.7	3.3	0.5	3.7	3.5	3.1	10.1
North Carolina.....	5.7	4.6	5.8	5.5	5.6	4.4	5.1	20.9
South Carolina.....	5.5	4.6	5.9	5.9	5.8	4.6	6.7	12.9
Tennessee.....	5.0	2.5	6.1	6.5	6.5	4.0	5.0	11.9
Virginia.....	4.3	4.7	3.3	3.7	4.2	4.0	4.1	17.9
West Virginia.....	3.4	4.2	3.0	0.9	1.4	1.4	3.3	5.6
<b>Southwest</b> .....	<b>4.9</b>	<b>5.3</b>	<b>3.5</b>	<b>3.7</b>	<b>4.1</b>	<b>3.2</b>	<b>4.7</b>	<b>11.8</b>
Arizona.....	4.3	4.8	4.6	4.2	3.7	4.6	5.2	12.3
New Mexico.....	2.3	6.3	3.1	2.3	3.7	2.5	3.3	7.1
Oklahoma.....	3.3	2.6	3.5	3.3	2.0	0.9	2.5	24.1
Texas.....	5.5	5.8	3.2	3.8	4.5	3.3	4.9	11.3
<b>Rocky Mountain</b> .....	<b>5.1</b>	<b>7.1</b>	<b>6.2</b>	<b>5.4</b>	<b>5.5</b>	<b>4.3</b>	<b>6.4</b>	<b>7.5</b>
Colorado.....	5.6	6.7	7.0	3.9	5.4	4.2	6.3	7.6
Idaho.....	3.5	7.8	4.7	7.0	8.2	3.6	5.4	14.7
Montana.....	5.2	6.7	4.9	6.1	4.7	2.6	5.7	7.3
Utah.....	5.0	9.6	5.6	8.3	5.0	5.8	7.5	5.1
Wyoming.....	3.7	-0.2	3.1	3.6	4.6	3.9	6.3	12.1
<b>Far West</b> .....	<b>4.6</b>	<b>6.1</b>	<b>6.4</b>	<b>5.7</b>	<b>7.4</b>	<b>4.8</b>	<b>5.8</b>	<b>11.0</b>
Alaska.....	2.9	5.2	5.1	0.3	0.4	2.3	1.0	4.8
California.....	4.7	6.0	6.7	5.7	8.2	4.8	5.4	12.3
Hawaii.....	4.0	7.5	8.2	0.7	5.7	4.8	6.7	10.2
Nevada.....	4.3	7.3	4.6	7.3	2.3	6.2	6.7	13.2
Oregon.....	4.2	6.3	5.1	4.4	6.0	4.8	7.2	11.0
Washington.....	4.9	6.1	5.6	7.1	6.1	4.9	7.1	6.0

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, 2016--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
<b>United States<sup>1</sup></b> .....	<b>4.0</b>	<b>0.07</b>	<b>0.11</b>	<b>0.11</b>	<b>0.07</b>	<b>0.13</b>	<b>0.07</b>	<b>-0.25</b>	<b>0.42</b>
<b>New England</b> .....	<b>3.7</b>	<b>0.05</b>	<b>0.11</b>	<b>0.12</b>	<b>0.08</b>	<b>0.13</b>	<b>0.07</b>	<b>-0.28</b>	<b>0.42</b>
Connecticut.....	2.9	0.06	0.08	0.10	0.06	0.04	0.04	-0.32	0.45
Maine.....	3.2	0.10	0.08	0.05	0.08	0.14	0.03	-0.53	0.59
Massachusetts.....	4.4	0.02	0.12	0.17	0.11	0.19	0.10	-0.19	0.39
New Hampshire.....	3.5	0.06	0.12	0.02	0.06	0.04	0.03	-0.47	0.33
Rhode Island.....	3.3	0.09	0.14	0.06	0.08	0.12	0.05	-0.18	0.48
Vermont.....	2.8	0.06	0.12	0.13	0.03	0.16	0.03	-0.37	0.33
<b>Mideast</b> .....	<b>3.6</b>	<b>0.05</b>	<b>0.07</b>	<b>0.06</b>	<b>0.06</b>	<b>0.07</b>	<b>0.03</b>	<b>-0.20</b>	<b>0.41</b>
Delaware.....	3.2	0.08	0.10	0.10	0.12	0.10	0.06	-0.18	0.32
District of Columbia.....	4.5	0.05	0.12	0.04	0.08	0.23	0.09	-0.13	0.18
Maryland.....	3.9	0.11	0.09	0.08	0.05	0.05	0.03	-0.20	0.53
New Jersey.....	3.4	0.05	0.05	0.03	0.05	0.01	0.01	-0.24	0.41
New York.....	4.0	0.03	0.06	0.07	0.08	0.07	0.04	-0.18	0.42
Pennsylvania.....	3.1	0.05	0.10	0.06	0.02	0.12	0.02	-0.22	0.34
<b>Great Lakes</b> .....	<b>3.5</b>	<b>0.07</b>	<b>0.10</b>	<b>0.10</b>	<b>0.06</b>	<b>0.12</b>	<b>0.06</b>	<b>-0.27</b>	<b>0.44</b>
Illinois.....	3.7	0.04	0.14	0.09	0.09	0.06	0.07	-0.22	0.40
Indiana.....	3.6	0.12	0.12	0.07	0.03	0.10	0.10	-0.33	0.37
Michigan.....	4.0	0.07	0.09	0.13	0.08	0.24	0.05	-0.24	0.71
Ohio.....	2.7	0.07	0.06	0.07	0.05	0.08	0.04	-0.34	0.24
Wisconsin.....	3.3	0.08	0.12	0.13	0.03	0.15	0.05	-0.24	0.51
<b>Plains</b> .....	<b>3.4</b>	<b>0.01</b>	<b>0.12</b>	<b>0.09</b>	<b>0.09</b>	<b>0.19</b>	<b>0.07</b>	<b>-0.37</b>	<b>0.45</b>
Iowa.....	3.1	0.06	0.09	0.06	0.04	0.26	0.07	-0.37	0.53
Kansas.....	2.8	0.04	0.18	0.16	0.03	0.11	0.06	-0.30	0.37
Minnesota.....	4.6	0.03	0.15	0.07	0.20	0.28	0.09	-0.23	0.55
Missouri.....	2.9	0.01	0.10	0.07	0.04	0.11	0.03	-0.36	0.37
Nebraska.....	4.0	0.03	0.14	0.19	0.10	0.22	0.11	-0.39	0.63
North Dakota.....	0.2	-0.36	-0.08	0.10	-0.03	0.08	0.00	-1.38	0.03
South Dakota.....	3.7	0.00	0.10	0.17	0.05	0.24	0.13	-0.41	0.36
<b>Southeast</b> .....	<b>4.0</b>	<b>0.09</b>	<b>0.13</b>	<b>0.13</b>	<b>0.06</b>	<b>0.18</b>	<b>0.07</b>	<b>-0.30</b>	<b>0.38</b>
Alabama.....	2.7	0.10	0.12	0.08	0.03	0.15	0.07	-0.38	0.18
Arkansas.....	3.9	0.12	0.13	0.03	0.09	0.34	0.08	-0.38	0.59
Florida.....	4.6	0.07	0.17	0.18	0.05	0.21	0.03	-0.22	0.36
Georgia.....	4.4	0.17	0.15	0.13	0.10	0.02	0.07	-0.37	0.33
Kentucky.....	3.8	0.03	0.12	0.20	0.08	0.31	0.11	-0.38	0.43
Louisiana.....	2.6	-0.04	0.06	0.05	0.07	0.09	0.05	-0.32	0.30
Mississippi.....	2.7	0.07	0.05	0.05	0.08	0.09	0.15	-0.50	0.40
North Carolina.....	4.3	0.15	0.14	0.17	0.07	0.20	0.13	-0.24	0.45
South Carolina.....	4.5	0.11	0.14	0.16	0.08	0.22	0.13	-0.35	0.48
Tennessee.....	3.9	0.15	0.18	0.12	0.05	0.09	0.06	-0.25	0.54
Virginia.....	3.6	0.06	0.06	0.03	0.05	0.27	0.04	-0.31	0.28
West Virginia.....	2.5	0.00	0.03	0.02	0.03	0.05	0.04	-0.36	0.51
<b>Southwest</b> .....	<b>3.7</b>	<b>0.05</b>	<b>0.12</b>	<b>0.07</b>	<b>0.07</b>	<b>0.15</b>	<b>0.09</b>	<b>-0.32</b>	<b>0.38</b>
Arizona.....	3.6	0.09	0.14	0.01	0.07	0.03	0.06	-0.28	0.52
New Mexico.....	2.9	0.01	0.01	0.09	0.05	0.06	0.07	-0.44	0.47
Oklahoma.....	1.8	-0.06	0.06	0.02	0.03	0.08	0.05	-0.39	0.21
Texas.....	4.0	0.06	0.13	0.09	0.08	0.19	0.11	-0.31	0.36
<b>Rocky Mountain</b> .....	<b>5.2</b>	<b>0.08</b>	<b>0.18</b>	<b>0.16</b>	<b>0.10</b>	<b>0.27</b>	<b>0.12</b>	<b>-0.29</b>	<b>0.78</b>
Colorado.....	5.4	0.03	0.18	0.11	0.11	0.28	0.11	-0.20	0.85
Idaho.....	5.1	0.19	0.15	0.17	0.08	0.39	0.14	-0.40	0.82
Montana.....	4.1	0.01	0.17	0.13	0.10	0.16	0.05	-0.39	0.48
Utah.....	6.2	0.22	0.24	0.37	0.12	0.28	0.17	-0.24	0.86
Wyoming.....	1.4	-0.18	0.03	-0.16	0.02	0.10	0.04	-0.86	0.09
<b>Far West</b> .....	<b>4.8</b>	<b>0.10</b>	<b>0.10</b>	<b>0.15</b>	<b>0.07</b>	<b>0.08</b>	<b>0.08</b>	<b>-0.14</b>	<b>0.41</b>
Alaska.....	2.3	-0.10	-0.03	0.08	0.08	0.12	0.04	-0.28	0.24
California.....	4.9	0.10	0.08	0.14	0.07	0.07	0.09	-0.12	0.37
Hawaii.....	5.1	0.05	0.11	0.14	0.12	0.31	0.05	-0.09	0.55
Nevada.....	4.8	0.09	0.21	0.16	0.09	0.18	0.02	-0.25	0.65
Oregon.....	4.7	0.16	0.17	0.12	0.06	0.09	0.10	-0.21	0.44
Washington.....	4.9	0.13	0.19	0.18	0.07	0.03	0.05	-0.20	0.51

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, 2016--Table Ends

[Percentage points]

	Services							Final consumption expenditures of NPISHs
	Housing and utilities	Health care	Transportation services	Recreation services	Food services and accom-modations	Financial services and insurance	Other services	
<b>United States<sup>1</sup></b> .....	<b>0.78</b>	<b>0.83</b>	<b>0.15</b>	<b>0.18</b>	<b>0.33</b>	<b>0.30</b>	<b>0.44</b>	<b>0.24</b>
<b>New England</b> .....	<b>0.58</b>	<b>0.67</b>	<b>0.15</b>	<b>0.18</b>	<b>0.32</b>	<b>0.33</b>	<b>0.56</b>	<b>0.23</b>
Connecticut.....	0.67	0.41	0.10	0.12	0.21	0.31	0.34	0.22
Maine.....	0.30	0.54	0.16	0.23	0.36	0.25	0.58	0.22
Massachusetts.....	0.62	0.85	0.17	0.21	0.39	0.36	0.65	0.24
New Hampshire.....	0.60	0.83	0.18	0.19	0.26	0.36	0.65	0.24
Rhode Island.....	0.42	0.24	0.15	0.13	0.41	0.26	0.62	0.22
Vermont.....	0.50	0.69	0.12	0.08	0.13	0.24	0.32	0.25
<b>Mideast</b> .....	<b>0.64</b>	<b>0.75</b>	<b>0.13</b>	<b>0.16</b>	<b>0.29</b>	<b>0.28</b>	<b>0.56</b>	<b>0.30</b>
Delaware.....	0.55	0.81	0.13	0.05	0.27	0.24	0.28	0.17
District of Columbia.....	0.99	1.20	0.25	0.08	0.19	0.40	0.73	0.03
Maryland.....	0.87	0.64	0.11	0.13	0.27	0.32	0.52	0.28
New Jersey.....	0.76	0.59	0.10	0.12	0.20	0.28	0.56	0.37
New York.....	0.56	0.89	0.17	0.18	0.40	0.27	0.63	0.31
Pennsylvania.....	0.53	0.64	0.12	0.18	0.18	0.26	0.46	0.27
<b>Great Lakes</b> .....	<b>0.49</b>	<b>0.83</b>	<b>0.16</b>	<b>0.17</b>	<b>0.25</b>	<b>0.27</b>	<b>0.32</b>	<b>0.31</b>
Illinois.....	0.63	0.71	0.18	0.15	0.28	0.28	0.44	0.37
Indiana.....	0.41	1.23	0.14	0.15	0.21	0.32	0.30	0.26
Michigan.....	0.49	0.85	0.20	0.25	0.28	0.27	0.24	0.31
Ohio.....	0.41	0.77	0.14	0.11	0.23	0.25	0.27	0.29
Wisconsin.....	0.45	0.77	0.08	0.17	0.22	0.25	0.30	0.25
<b>Plains</b> .....	<b>0.66</b>	<b>0.82</b>	<b>0.11</b>	<b>0.19</b>	<b>0.23</b>	<b>0.24</b>	<b>0.29</b>	<b>0.21</b>
Iowa.....	0.58	0.70	0.07	0.26	0.23	0.20	0.08	0.21
Kansas.....	0.57	0.37	0.11	0.17	0.15	0.27	0.32	0.20
Minnesota.....	0.85	0.99	0.14	0.32	0.30	0.24	0.38	0.23
Missouri.....	0.54	0.83	0.09	0.13	0.24	0.28	0.25	0.18
Nebraska.....	0.50	1.09	0.11	0.18	0.33	0.25	0.31	0.24
North Dakota.....	0.99	0.59	0.10	-0.26	-0.30	0.25	0.35	0.16
South Dakota.....	0.62	1.15	0.11	0.11	0.27	0.09	0.47	0.24
<b>Southeast</b> .....	<b>0.94</b>	<b>0.80</b>	<b>0.13</b>	<b>0.16</b>	<b>0.33</b>	<b>0.32</b>	<b>0.42</b>	<b>0.14</b>
Alabama.....	0.59	0.52	0.07	0.11	0.29	0.28	0.23	0.23
Arkansas.....	0.40	1.30	0.04	0.11	0.34	0.28	0.22	0.22
Florida.....	1.24	0.86	0.22	0.21	0.38	0.37	0.48	0.03
Georgia.....	1.05	1.02	0.13	0.14	0.33	0.37	0.60	0.10
Kentucky.....	0.81	0.96	0.05	0.08	0.31	0.21	0.22	0.21
Louisiana.....	0.56	0.80	0.06	0.17	0.09	0.16	0.26	0.21
Mississippi.....	0.74	0.53	0.07	0.01	0.23	0.26	0.24	0.20
North Carolina.....	0.99	0.77	0.12	0.20	0.38	0.34	0.42	0.04
South Carolina.....	0.91	0.77	0.12	0.21	0.43	0.35	0.53	0.22
Tennessee.....	0.85	0.47	0.13	0.22	0.44	0.33	0.37	0.16
Virginia.....	0.88	0.69	0.08	0.13	0.27	0.32	0.47	0.31
West Virginia.....	0.47	0.89	0.05	0.02	0.10	0.10	0.25	0.25
<b>Southwest</b> .....	<b>0.84</b>	<b>0.85</b>	<b>0.09</b>	<b>0.14</b>	<b>0.29</b>	<b>0.26</b>	<b>0.37</b>	<b>0.21</b>
Arizona.....	0.83	0.73	0.14	0.15	0.27	0.33	0.38	0.18
New Mexico.....	0.37	1.13	0.08	0.09	0.25	0.17	0.25	0.19
Oklahoma.....	0.51	0.51	0.07	0.12	0.13	0.08	0.19	0.24
Texas.....	0.92	0.90	0.09	0.14	0.32	0.27	0.40	0.22
<b>Rocky Mountain</b> .....	<b>0.96</b>	<b>1.05</b>	<b>0.19</b>	<b>0.23</b>	<b>0.38</b>	<b>0.32</b>	<b>0.53</b>	<b>0.14</b>
Colorado.....	1.13	0.94	0.24	0.18	0.40	0.32	0.54	0.15
Idaho.....	0.60	1.33	0.12	0.25	0.50	0.27	0.39	0.10
Montana.....	0.80	1.11	0.11	0.19	0.32	0.17	0.47	0.22
Utah.....	0.90	1.38	0.16	0.38	0.30	0.42	0.57	0.10
Wyoming.....	0.64	-0.03	0.08	0.11	0.37	0.33	0.62	0.21
<b>Far West</b> .....	<b>0.96</b>	<b>0.95</b>	<b>0.22</b>	<b>0.22</b>	<b>0.51</b>	<b>0.38</b>	<b>0.47</b>	<b>0.30</b>
Alaska.....	0.47	1.05	0.12	0.01	0.03	0.16	0.09	0.22
California.....	1.01	0.92	0.24	0.21	0.59	0.38	0.43	0.32
Hawaii.....	0.82	1.12	0.22	0.02	0.29	0.34	0.69	0.40
Nevada.....	0.83	1.02	0.12	0.29	0.11	0.46	0.47	0.33
Oregon.....	0.79	1.08	0.16	0.19	0.40	0.33	0.48	0.32
Washington.....	0.96	0.96	0.19	0.30	0.36	0.38	0.63	0.18

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, 2016

[Dollars]

	Total Personal Consumption Expenditures	Housing and utilities	Health care services	Off-premises food and beverages	Gasoline and other energy goods	All other Personal Consumption Expenditures
<b>United States<sup>1</sup></b> .....	<b>39,664</b>	<b>7,215</b>	<b>6,696</b>	<b>2,832</b>	<b>847</b>	<b>22,073</b>
<b>New England</b> .....	<b>49,172</b>	<b>8,975</b>	<b>8,466</b>	<b>3,427</b>	<b>945</b>	<b>27,359</b>
Connecticut.....	48,497	9,734	7,509	3,204	830	27,219
Maine.....	43,021	6,491	7,812	3,841	1,452	23,424
Massachusetts.....	51,981	9,344	9,353	3,446	836	29,003
New Hampshire.....	48,810	8,859	8,106	3,607	1,239	26,999
Rhode Island.....	42,454	8,003	7,575	2,851	728	23,297
Vermont.....	47,648	7,789	7,938	4,210	1,452	26,259
<b>Mideast</b> .....	<b>45,511</b>	<b>8,341</b>	<b>7,569</b>	<b>2,855</b>	<b>735</b>	<b>26,011</b>
Delaware.....	42,868	7,385	8,182	3,239	847	23,214
District of Columbia.....	56,843	10,839	11,425	4,272	630	29,678
Maryland.....	44,748	9,738	7,191	2,751	754	24,314
New Jersey.....	48,972	9,846	7,007	3,160	772	28,187
New York.....	46,906	8,325	7,839	2,708	581	27,453
Pennsylvania.....	40,886	6,592	7,472	2,815	936	23,072
<b>Great Lakes</b> .....	<b>38,940</b>	<b>6,401</b>	<b>7,136</b>	<b>2,691</b>	<b>887</b>	<b>21,824</b>
Illinois.....	41,772	7,405	6,887	2,567	678	24,236
Indiana.....	35,633	5,550	7,064	2,592	1,000	19,427
Michigan.....	39,332	6,364	6,912	2,773	932	22,351
Ohio.....	37,449	5,832	7,434	2,751	909	20,522
Wisconsin.....	38,788	6,363	7,555	2,822	1,103	20,945
<b>Plains</b> .....	<b>39,498</b>	<b>6,404</b>	<b>7,188</b>	<b>2,828</b>	<b>1,230</b>	<b>21,848</b>
Iowa.....	37,005	5,656	6,520	2,915	1,369	20,545
Kansas.....	35,984	5,927	6,428	2,876	947	19,807
Minnesota.....	43,930	7,710	7,816	2,888	1,084	24,432
Missouri.....	37,526	6,063	7,109	2,680	1,190	20,485
Nebraska.....	38,970	5,838	7,113	2,775	1,414	21,830
North Dakota.....	48,225	6,946	8,075	3,147	2,346	27,712
South Dakota.....	39,475	5,555	8,098	2,859	1,512	21,450
<b>Southeast</b> .....	<b>35,542</b>	<b>6,388</b>	<b>6,106</b>	<b>2,798</b>	<b>825</b>	<b>19,426</b>
Alabama.....	31,336	5,158	5,631	2,530	873	17,143
Arkansas.....	31,117	4,791	5,920	2,529	1,032	16,845
Florida.....	38,644	7,424	6,578	2,964	635	21,043
Georgia.....	34,657	6,241	5,485	2,697	819	19,416
Kentucky.....	33,288	5,311	6,371	2,975	917	17,715
Louisiana.....	34,181	5,615	6,424	2,700	943	18,500
Mississippi.....	30,200	4,976	5,876	2,549	935	15,864
North Carolina.....	33,779	5,903	5,690	2,757	863	18,567
South Carolina.....	33,266	5,542	5,633	2,765	1,039	18,287
Tennessee.....	34,219	5,910	6,308	2,703	820	18,479
Virginia.....	41,632	8,596	6,146	2,977	833	23,079
West Virginia.....	34,418	4,872	7,431	2,727	1,010	18,378
<b>Southwest</b> .....	<b>35,820</b>	<b>6,192</b>	<b>5,823</b>	<b>2,681</b>	<b>948</b>	<b>20,176</b>
Arizona.....	34,580	6,660	5,275	2,588	797	19,261
New Mexico.....	35,699	5,661	6,643	2,716	1,198	19,481
Oklahoma.....	32,978	5,123	6,505	2,327	1,186	17,837
Texas.....	36,537	6,266	5,801	2,751	933	20,786
<b>Rocky Mountain</b> .....	<b>39,204</b>	<b>7,317</b>	<b>5,872</b>	<b>2,937</b>	<b>893</b>	<b>22,185</b>
Colorado.....	42,648	8,578	6,045	3,062	696	24,268
Idaho.....	33,653	5,695	5,868	2,934	1,003	18,153
Montana.....	41,204	6,479	6,989	3,399	1,323	23,015
Utah.....	35,114	6,238	5,201	2,487	839	20,350
Wyoming.....	40,327	7,171	5,756	3,289	1,966	22,144
<b>Far West</b> .....	<b>41,707</b>	<b>8,709</b>	<b>6,598</b>	<b>2,911</b>	<b>690</b>	<b>22,799</b>
Alaska.....	49,547	8,209	10,299	4,062	940	26,036
California.....	41,827	9,022	6,538	2,764	694	22,809
Hawaii.....	45,123	9,142	6,901	3,784	522	24,774
Nevada.....	36,177	6,933	5,153	2,812	717	20,562
Oregon.....	39,742	7,511	6,897	3,359	716	21,259
Washington.....	42,922	8,376	6,899	3,202	651	23,794

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