

# News Release

EMBARGOED UNTIL RELEASE AT 8:30 A.M. EDT, Monday, May 18, 2020

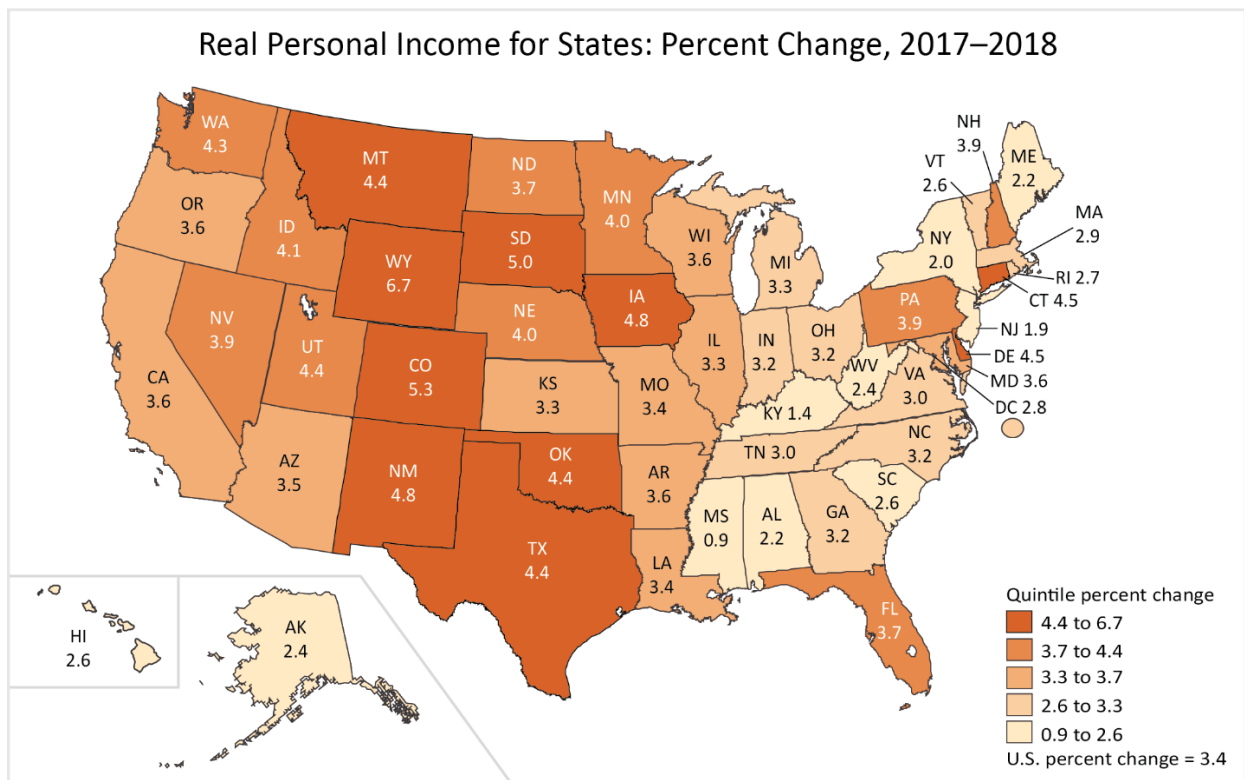
BEA 20-22

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## Real Personal Income by State and Metropolitan Area, 2018

Real state personal income grew 3.4 percent in 2018, after increasing 2.9 percent in 2017, according to estimates released today by the Bureau of Economic Analysis. Real state personal income is a state's current-dollar personal income adjusted by the state's regional price parity and the national personal consumption expenditures price index. The percent change in real state personal income ranged from 6.7 percent in Wyoming to 0.9 percent in Mississippi (table 1). Across metropolitan areas, the percent change ranged from 15.6 percent in Midland, TX to -1.1 percent in Sebring-Avon Park, FL (table 4).



### Real Personal Income in 2018

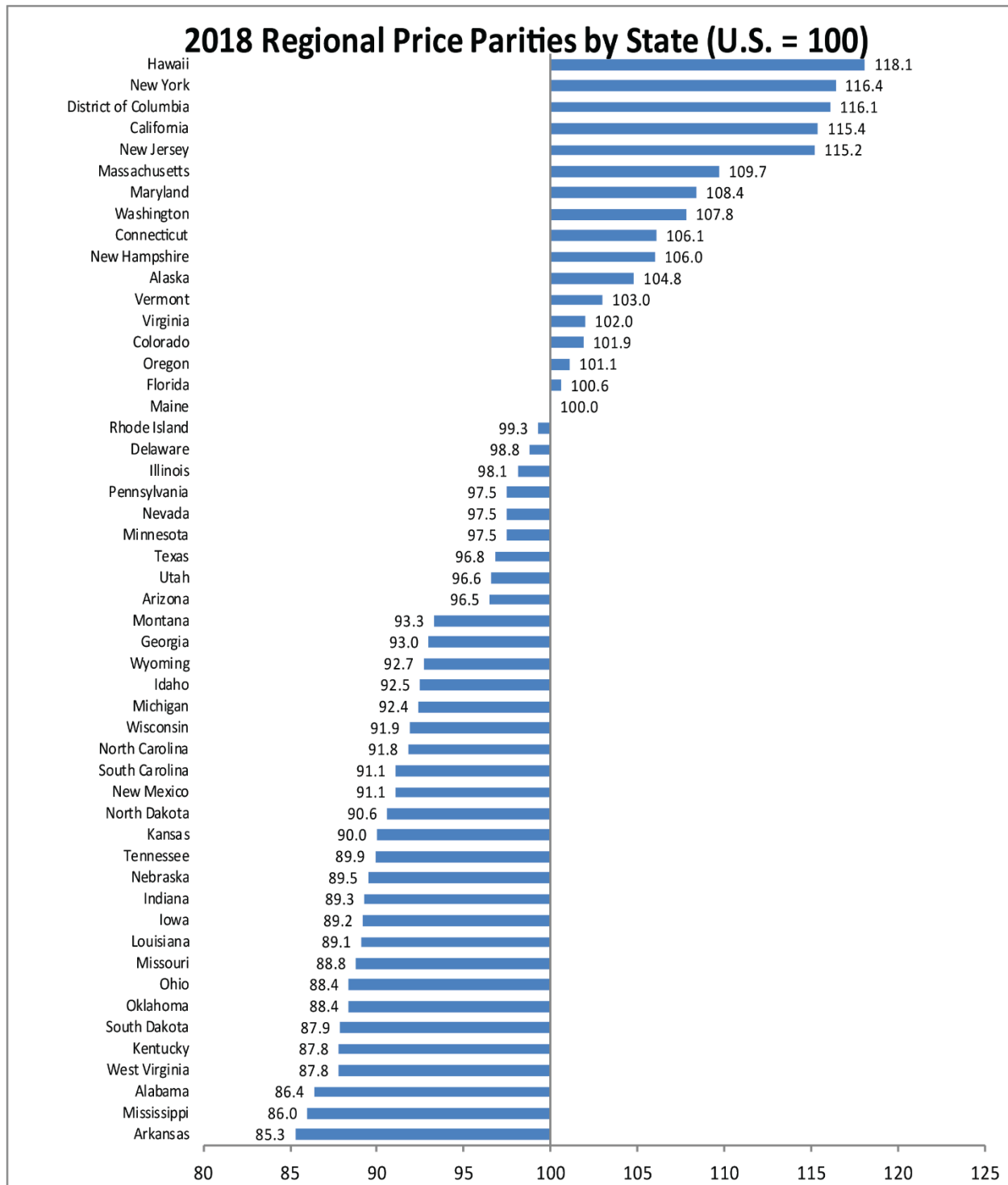
- States with the fastest growth in real personal income were Wyoming (6.7 percent), Colorado (5.3 percent), and South Dakota (5.0 percent).
- No state had a decline in real personal income. States with the slowest growth in real personal income were Mississippi (0.9 percent), Kentucky (1.4 percent), and New Jersey (1.9 percent).
- Large metropolitan areas — those with population greater than two million — with the fastest growth in real personal income were Austin-Round Rock-Georgetown, TX (6.1 percent), Denver-Aurora-Lakewood, CO (5.7 percent), and Seattle-Tacoma-Bellevue, WA (5.2 percent).
- The large metropolitan areas with the slowest growth in real personal income were Sacramento-Roseville-Folsom, CA (2.3 percent), New York-Newark-Jersey City, NY-NJ-PA (2.5 percent), and Cleveland-Elyria, OH (2.6 percent).

### Regional Price Parities in 2018

Regional Price Parities (RPPs) measure the differences in price levels across states and metropolitan areas for a given year and are expressed as a percentage of the overall national price level. All items RPPs cover all consumption goods and services, including housing rents. Areas with high/low RPPs typically correspond to areas with high/low price levels for rents.

- States with the highest RPPs were Hawaii (118.1), New York (116.4), and California (115.4) (table 3). The District of Columbia's RPP was 116.1.
- States with the lowest RPPs were Arkansas (85.3), Mississippi (86.0), and Alabama (86.4).
- Across states, California had the highest RPP for housing rents (152.5) and Arkansas had the lowest (60.8).
- Large metropolitan areas with the highest RPPs were San Francisco-Oakland-Berkeley, CA (131.6), New York-Newark-Jersey City, NY-NJ-PA (124.1), and Washington-Arlington-Alexandria, DC-VA-MD-WV, (117.8) (table 6).
- Large metropolitan areas with the lowest RPPs were Cincinnati, OH-KY-IN (90.0), Cleveland-Elyria, OH (90.1), and St. Louis, MO-IL (91.0).
- Across large metropolitan areas, San Francisco-Oakland-Berkeley, CA had the highest RPP for housing rents (199.5) and Cleveland-Elyria, OH had the lowest (77.0).
- Across all metropolitan areas, San Jose-Sunnyvale-Santa Clara, CA had the highest RPP for housing rents (221.3) and Beckley, WV had the lowest (45.8).

Estimates of real personal income and regional price parities for state metropolitan and nonmetropolitan portions can be found at <https://apps.bea.gov/itable/index.cfm>. Supplemental tables are available upon request.



U.S. Bureau of Economic Analysis

### **Updates to Real Personal Income**

Today, BEA also released revised real personal income statistics for states and metropolitan areas for 2016-2017 and real per capita personal income statistics for states for 2010-2017. These revisions were made to incorporate newly available source data. Source data from the Consumer Price Index program incorporate geographic sample revisions. More information is available at: [www.bls.gov/cpi](http://www.bls.gov/cpi).

BEA will update real personal income for states on September 24, 2020 with the release of state personal income. Real personal income for metropolitan areas will be updated on November 17, 2020 with the release of local area personal income.

### **Acceleration of Release of Real Personal Income by State and Metropolitan Area**

Starting in December 2020, the release of real personal income by state and metropolitan area will accelerate by 5 months.

Next release: December 15, 2020 at 8:30 A.M. EST  
Real Personal Income by State and Metropolitan Area, 2019.

## Technical Notes on Regional Price Parities and Implicit Regional Price Deflators

Price indexes commonly measure price changes over time. The BEA's personal consumption expenditures (PCE) price index and the Bureau of Labor Statistics' consumer price index (CPI) are two examples. Spatial price indexes measure price level differences across regions for one time period. An example of these type of indexes are purchasing power parities (PPPs), which measure differences in price levels across countries for a given period and can be used to convert estimates of per capita GDP into comparable levels in a common currency. The regional price parities (RPPs) that BEA has developed compare regions within the United States, but without the need for currency conversion. An implicit regional price deflator (IRPD) can be derived by combining the RPPs and the U.S. PCE price index.

Regional Price Parities. The RPPs are calculated using price quotes for a wide array of items from the CPI, which are aggregated into broader expenditure categories (such as food, transportation or education)<sup>1</sup>. Data on housing rents are obtained separately from the Census Bureau's American Community Survey (ACS). The expenditure weights for each category are constructed using CPI expenditure weights, BEA's personal consumption expenditures, and ACS rents expenditures<sup>2</sup>.

The broader categories and the data on rents are combined with the expenditure weights using a multilateral aggregation method that expresses a region's price level relative to the U.S.<sup>3</sup>

For example, if the RPP for area A is 120 and for area B is 90, then on average, prices are 20 percent higher and 10 percent lower than the U.S. average for A and B, respectively. If the personal income for area A is \$12,000 and for area B is \$9,000, then RPP-adjusted incomes are \$10,000 (or  $\$12,000/1.20$ ) and \$10,000 (or  $\$9,000/0.90$ ), respectively. In other words, the purchasing power of the two incomes is equivalent when adjusted by their respective RPPs.

Implicit Regional Price Deflator. The IRPD is a regional price index derived as the product of two terms: the regional price parity and the U.S. PCE price index.

The implicit regional price deflator will equal current dollar personal income divided by real personal income in chained dollars. The growth rate or year-to-year change in the IRPDs is a measure of regional inflation<sup>4</sup>.

Detailed information on the methodology used to estimate the RPPs may be found on the regional methodology page of the BEA website: <https://www.bea.gov/resources/methodologies>.

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<sup>1</sup> The BEA Regional Price Parity statistics are based in part on restricted access Consumer Price Index data from the Bureau of Labor Statistics (BLS). The BEA statistics presented herein are products of BEA and not BLS.

<sup>2</sup> To estimate RPPs, CPI price quotes are quality adjusted and pooled over 5 years. The ACS rents are also quality adjusted and are either annual for states or pooled over 3 years for metropolitan areas. The expenditure weights are specific for each year.

<sup>3</sup> The multilateral system that is used is the Geary additive method. Any region or combination of regions may be used as the base or reference region without loss of consistency.

<sup>4</sup> The growth rate of the implicit regional price deflators will not necessarily equal the region or metro area price deflators published by the BLS. This is because the CPI deflators are calculated directly while the IRPDs are indirect estimates, and because of differences in the source data and methodology.

## 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

**Personal income** is the income received by, or on behalf of, all persons from all sources: from participation as laborers in production, from owning a home or business, from the ownership of financial assets, and from government and business in the form of transfers. It includes income from domestic sources as well as the rest of world. It does not include realized or unrealized capital gains or losses.

Personal income is measured before the deduction of personal income taxes and other personal taxes and is reported in current dollars (no adjustment is made for price changes). Comparisons for different regions and time periods reflect changes in both the price and quantity components of regional personal income.

The estimate of personal income for the United States is the sum of the regional estimates; it differs slightly from the estimate of personal income in the national income and product accounts (NIPAs) because of differences in coverage, in the methodologies used to prepare the estimates, and in the timing of the availability of source data.

**Per capita personal income** is calculated as the total personal income of the residents of a given area divided by the population of the area. In computing per capita personal income, BEA uses Census Bureau mid-year population estimates.

**Regional price parities (RPPs)** are regional price levels expressed as a percentage of the overall national price level for a given year. The price level is determined by the average prices paid by consumers for the mix of goods and services consumed in each region.

Detailed CPI price data are adjusted to obtain average price levels for BLS-defined areas<sup>5</sup>. These are allocated to counties in combination with direct price and expenditure data on housing rents from the ACS.

County data are then aggregated to states and metropolitan areas.

**Personal income at RPPs** is current-dollar personal income divided by the price parity<sup>6</sup> for a given year and region. A balancing factor is applied so that the sum of personal income at RPPs across regions equals the current dollar sum.

**Real personal income** is personal income at RPPs divided by the national PCE chain-type price index. The result is real personal income in chained dollars (using 2012 as the reference year). Using Delaware in 2018 as an example:

(1) Personal Income is divided by the RPP	(2) Balancing factor is applied	(3) Personal Income at RPPs is deflated by the U.S. PCE Price Index	<b>2018 Delaware Real Personal Income</b>
\$50.8 / 0.988 = \$51.4	\$51.4 / 0.996 = \$51.6	\$51.6 / 1.081 = \$47.7	<b>\$47.7</b>

Note: Dollar amounts are in billions.

Estimates of real personal income in the United States are derived as the sum of the current-dollar regional estimates divided by the U.S. PCE Price Index.

**Implicit Regional Price Deflator (IRPD)** is the product of the RPP times the national PCE price index. It is equal to personal income divided by real personal income. See also the Technical Note.

<sup>5</sup> The CPI represents about 93 percent of the total U.S. population, including almost all residents of urban or metropolitan areas.

<sup>6</sup> RPP should first be divided by 100.

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Table 1. Real Personal Income and Implicit Regional Price Deflators by State, 2017-2018

	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
<b>United States<sup>1</sup></b>	<b>16,870,106</b>	<b>17,813,035</b>	<b>5.6</b>	<b>15,925,840</b>	<b>16,471,692</b>	<b>3.4</b>	<b>105.9</b>	<b>108.1</b>	<b>2.1</b>
Alabama	197,283	206,455	4.6	217,135	221,887	2.2	90.9	93.0	2.3
Alaska	42,015	43,818	4.3	37,905	38,827	2.4	110.8	112.9	1.9
Arizona	299,613	317,913	6.1	295,486	305,947	3.5	101.4	103.9	2.5
Arkansas	124,684	130,297	4.5	137,027	141,932	3.6	91.0	91.8	0.9
California	2,370,112	2,514,129	6.1	1,952,522	2,023,347	3.6	121.4	124.3	2.4
Colorado	310,755	332,943	7.1	288,143	303,432	5.3	107.8	109.7	1.8
Connecticut	258,079	273,152	5.8	228,854	239,214	4.5	112.8	114.2	1.2
Delaware	48,189	50,783	5.4	45,654	47,730	4.5	105.6	106.4	0.8
District of Columbia	54,938	57,605	4.9	44,851	46,090	2.8	122.5	125.0	2.0
Florida	1,004,144	1,066,447	6.2	949,539	984,580	3.7	105.8	108.3	2.4
Georgia	463,756	488,964	5.4	473,452	488,463	3.2	98.0	100.1	2.1
Hawaii	75,689	78,721	4.0	60,367	61,931	2.6	125.4	127.1	1.4
Idaho	72,355	77,012	6.4	74,328	77,362	4.1	97.3	99.5	2.3
Illinois	689,724	724,189	5.0	663,557	685,680	3.3	103.9	105.6	1.6
Indiana	301,203	315,516	4.8	317,999	328,057	3.2	94.7	96.2	1.6
Iowa	149,191	158,197	6.0	157,087	164,635	4.8	95.0	96.1	1.2
Kansas	142,242	149,859	5.4	149,705	154,667	3.3	95.0	96.9	2.0
Kentucky	182,605	189,717	3.9	197,818	200,569	1.4	92.3	94.6	2.5
Louisiana	205,227	215,489	5.0	217,033	224,496	3.4	94.6	96.0	1.5
Maine	62,173	65,454	5.3	59,479	60,768	2.2	104.5	107.7	3.1
Maryland	364,576	382,829	5.0	316,802	328,106	3.6	115.1	116.7	1.4
Massachusetts	468,300	494,765	5.7	407,011	418,918	2.9	115.1	118.1	2.6
Michigan	461,486	484,030	4.9	471,112	486,642	3.3	98.0	99.5	1.5
Minnesota	305,795	322,728	5.5	295,849	307,540	4.0	103.4	104.9	1.5
Mississippi	108,749	112,992	3.9	120,869	122,003	0.9	90.0	92.6	2.9
Missouri	279,433	292,513	4.7	295,763	305,950	3.4	94.5	95.6	1.2
Montana	47,718	50,500	5.8	48,143	50,283	4.4	99.1	100.4	1.3
Nebraska	97,151	102,759	5.8	102,546	106,598	4.0	94.7	96.4	1.8
Nevada	139,449	149,219	7.0	136,913	142,194	3.9	101.9	104.9	2.9
New Hampshire	78,822	83,143	5.5	70,106	72,860	3.9	112.4	114.1	1.5
New Jersey	577,081	607,884	5.3	481,061	490,276	1.9	120.0	124.0	3.3
New Mexico	82,733	87,189	5.4	84,817	88,922	4.8	97.5	98.1	0.6
New York	1,286,023	1,341,932	4.3	1,049,840	1,070,638	2.0	122.5	125.3	2.3
North Carolina	453,769	478,862	5.5	469,294	484,301	3.2	96.7	98.9	2.3
North Dakota	39,775	42,148	6.0	41,689	43,217	3.7	95.4	97.5	2.2
Ohio	544,141	569,727	4.7	579,920	598,402	3.2	93.8	95.2	1.5
Oklahoma	171,597	182,302	6.2	183,477	191,625	4.4	93.5	95.1	1.7
Oregon	200,579	213,070	6.2	189,022	195,792	3.6	106.1	108.8	2.5
Pennsylvania	679,731	720,073	5.9	659,951	685,699	3.9	103.0	105.0	1.9
Rhode Island	55,337	57,994	4.8	52,831	54,249	2.7	104.7	106.9	2.1
South Carolina	211,299	222,189	5.2	220,664	226,402	2.6	95.8	98.1	2.4
South Dakota	43,275	46,066	6.5	46,340	48,660	5.0	93.4	94.7	1.4
Tennessee	301,560	317,515	5.3	318,396	328,024	3.0	94.7	96.8	2.2
Texas	1,357,466	1,445,270	6.5	1,328,582	1,386,862	4.4	102.2	104.2	2.0
Utah	136,544	146,423	7.2	134,827	140,705	4.4	101.3	104.1	2.8
Vermont	32,461	33,929	4.5	29,811	30,594	2.6	108.9	110.9	1.8
Virginia	468,177	492,313	5.2	434,821	448,050	3.0	107.7	109.9	2.0
Washington	434,759	467,399	7.5	385,815	402,539	4.3	112.7	116.1	3.0
West Virginia	70,218	73,809	5.1	76,255	78,068	2.4	92.1	94.5	2.6
Wisconsin	285,487	299,933	5.1	292,635	303,040	3.6	97.6	99.0	1.4
Wyoming	32,639	34,873	6.8	32,733	34,921	6.7	99.7	99.9	0.2
Maximum	2,370,112	2,514,129	7.5	1,952,522	2,023,347	6.7	125.4	127.1	3.3
Minimum	32,461	33,929	3.9	29,811	30,594	0.9	90.0	91.8	0.2
Range	2,337,652	2,480,201	3.6	1,922,712	1,992,753	5.8	35.4	35.3	3.1

Source: U.S. Bureau of Economic Analysis

Note: Estimates may not add to totals because of rounding.

1. The implicit price deflator for the United States is equal to the national personal consumption expenditures price index, with a base of 2012.



Table 2. Real Per Capita Personal Income by State, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
<b>United States</b>	<b>51,910</b>	<b>54,526</b>	<b>5.0</b>	<b>49,005</b>	<b>50,420</b>	<b>2.9</b>
Alabama	40,473	42,240	4.4	44,545	45,397	1.9
Alaska	56,800	59,605	4.9	51,243	52,816	3.1
Arizona	42,534	44,414	4.4	41,949	42,742	1.9
Arkansas	41,543	43,292	4.2	45,655	47,158	3.3
California	60,219	63,711	5.8	49,609	51,274	3.4
Colorado	55,374	58,500	5.6	51,345	53,315	3.8
Connecticut	72,224	76,481	5.9	64,045	66,978	4.6
Delaware	50,364	52,599	4.4	47,714	49,436	3.6
District of Columbia	79,058	82,111	3.9	64,542	65,697	1.8
Florida	47,899	50,199	4.8	45,295	46,346	2.3
Georgia	44,548	46,519	4.4	45,479	46,471	2.2
Hawaii	53,138	55,414	4.3	42,381	43,595	2.9
Idaho	42,123	43,994	4.4	43,272	44,193	2.1
Illinois	53,974	56,919	5.5	51,926	53,893	3.8
Indiana	45,239	47,124	4.2	47,761	48,997	2.6
Iowa	47,490	50,243	5.8	50,003	52,288	4.6
Kansas	48,902	51,474	5.3	51,468	53,125	3.2
Kentucky	41,014	42,527	3.7	44,431	44,959	1.2
Louisiana	43,941	46,245	5.2	46,468	48,178	3.7
Maine	46,585	48,881	4.9	44,566	45,381	1.8
Maryland	60,522	63,426	4.8	52,591	54,360	3.4
Massachusetts	68,267	71,886	5.3	59,333	60,866	2.6
Michigan	46,273	48,480	4.8	47,238	48,742	3.2
Minnesota	54,938	57,566	4.8	53,151	54,857	3.2
Mississippi	36,389	37,904	4.2	40,445	40,927	1.2
Missouri	45,759	47,784	4.4	48,433	49,979	3.2
Montana	45,338	47,611	5.0	45,742	47,407	3.6
Nebraska	50,707	53,364	5.2	53,522	55,358	3.4
Nevada	46,954	49,290	5.0	46,100	46,970	1.9
New Hampshire	58,439	61,429	5.1	51,977	53,832	3.6
New Jersey	64,946	68,409	5.3	54,140	55,174	1.9
New Mexico	39,551	41,663	5.3	40,548	42,491	4.8
New York	65,648	68,710	4.7	53,592	54,819	2.3
North Carolina	44,192	46,126	4.4	45,703	46,650	2.1
North Dakota	52,686	55,598	5.5	55,221	57,008	3.2
Ohio	46,669	48,793	4.6	49,737	51,249	3.0
Oklahoma	43,649	46,267	6.0	46,671	48,633	4.2
Oregon	48,407	50,951	5.3	45,618	46,819	2.6
Pennsylvania	53,155	56,252	5.8	51,608	53,566	3.8
Rhode Island	52,419	54,800	4.5	50,045	51,261	2.4
South Carolina	42,081	43,702	3.9	43,946	44,531	1.3
South Dakota	49,577	52,426	5.7	53,089	55,377	4.3
Tennessee	44,950	46,889	4.3	47,459	48,441	2.1
Texas	47,975	50,483	5.2	46,954	48,443	3.2
Utah	44,032	46,431	5.4	43,478	44,618	2.6
Vermont	51,992	54,342	4.5	47,747	49,001	2.6
Virginia	55,317	57,910	4.7	51,376	52,704	2.6
Washington	58,566	62,122	6.1	51,973	53,502	2.9
West Virginia	38,645	40,907	5.9	41,967	43,268	3.1
Wisconsin	49,305	51,647	4.8	50,540	52,182	3.2
Wyoming	56,377	60,375	7.1	56,541	60,458	6.9
Maximum	79,058	82,111	7.1	64,542	66,978	6.9
Minimum	36,389	37,904	3.7	40,445	40,927	1.2
Range	42,669	44,207	3.4	24,097	26,051	5.7

Source: U.S. Bureau of Economic Analysis

Note: Per capita personal income uses Census Bureau midyear population estimates available as of December 2019.

Table 3. Regional Price Parities by State, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
<b>United States<sup>1</sup></b>	<b>100.0</b>	<b>99.3</b>	<b>101.4</b>	<b>100.0</b>
Alabama	86.4	96.2	61.8	91.7
Alaska	104.8	101.9	125.9	97.3
Arizona	96.5	95.7	94.3	99.1
Arkansas	85.3	95.0	60.8	92.5
California	115.4	103.8	152.5	107.4
Colorado	101.9	98.0	120.7	96.5
Connecticut	106.1	103.0	109.4	107.2
Delaware	98.8	98.8	92.3	103.4
District of Columbia	116.1	105.5	146.1	108.3
Florida	100.6	98.3	107.9	98.3
Georgia	93.0	97.2	82.0	96.1
Hawaii	118.1	110.9	148.9	104.6
Idaho	92.5	97.0	80.1	96.2
Illinois	98.1	98.5	96.5	98.6
Indiana	89.3	96.4	74.3	91.9
Iowa	89.2	94.9	74.3	91.3
Kansas	90.0	95.2	75.3	93.0
Kentucky	87.8	94.8	67.8	91.8
Louisiana	89.1	96.4	73.8	92.4
Maine	100.0	99.0	97.7	102.5
Maryland	108.4	103.1	119.1	106.0
Massachusetts	109.7	102.2	124.0	108.3
Michigan	92.4	97.3	80.2	94.5
Minnesota	97.5	101.7	94.7	94.7
Mississippi	86.0	94.4	63.1	91.8
Missouri	88.8	95.2	72.3	92.2
Montana	93.3	98.0	82.8	94.4
Nebraska	89.5	95.0	75.7	91.4
Nevada	97.5	94.5	99.2	99.9
New Hampshire	106.0	101.2	113.7	106.1
New Jersey	115.2	102.6	131.1	116.3
New Mexico	91.1	95.5	76.3	98.4
New York	116.4	108.5	131.4	114.4
North Carolina	91.8	96.4	79.0	94.5
North Dakota	90.6	94.9	80.9	91.2
Ohio	88.4	96.0	72.0	91.2
Oklahoma	88.4	95.6	70.1	92.5
Oregon	101.1	100.4	107.8	97.8
Pennsylvania	97.5	99.7	87.3	101.3
Rhode Island	99.3	98.9	95.6	102.3
South Carolina	91.1	96.6	76.7	94.5
South Dakota	87.9	94.8	69.9	91.1
Tennessee	89.9	96.2	75.1	91.7
Texas	96.8	96.9	94.5	98.2
Utah	96.6	95.1	96.1	99.0
Vermont	103.0	98.9	112.5	102.3
Virginia	102.0	99.4	108.8	100.8
Washington	107.8	104.8	123.8	102.2
West Virginia	87.8	94.8	62.9	96.1
Wisconsin	91.9	96.2	83.7	92.4
Wyoming	92.7	97.7	80.7	94.9
Maximum	118.1	110.9	152.5	116.3
Minimum	85.3	94.4	60.8	91.1
Range	32.8	16.5	91.7	25.2

Source: U.S. Bureau of Economic Analysis

1. The U.S. all items RPP is the average price level across all states and the District of Columbia.

Table 4. Real Personal Income and Implicit Regional Price Deflators by Metropolitan Area, 2017-2018

	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
United States	16,870,106	17,813,035	5.6	15,925,840	16,471,692	3.4	105.9	108.1	2.1
United States nonmetropolitan portion	1,802,450	1,888,521	4.8	1,952,596	2,018,765	3.4	92.3	93.5	1.3
<b>Metropolitan Statistical Areas</b>									
Abilene, TX	6,968	7,396	6.2	7,315	7,540	3.1	95.3	98.1	2.9
Akron, OH	33,347	34,835	4.5	35,063	36,044	2.8	95.1	96.6	1.6
Albany, GA	5,409	5,622	3.9	6,196	6,320	2.0	87.3	88.9	1.8
Albany-Lebanon, OR	5,107	5,461	6.9	5,061	5,268	4.1	100.9	103.7	2.8
Albany-Schenectady-Troy, NY	49,633	51,315	3.4	47,124	47,872	1.6	105.3	107.2	1.8
Albuquerque, NM	37,169	38,960	4.8	37,351	38,552	3.2	99.5	101.1	1.6
Alexandria, LA	6,482	6,733	3.9	7,070	7,277	2.9	91.7	92.5	0.9
Allentown-Bethlehem-Easton, PA-NJ	42,940	45,618	6.2	40,873	42,618	4.3	105.1	107.0	1.8
Altoona, PA	5,439	5,726	5.3	5,729	5,897	2.9	94.9	97.1	2.3
Amarillo, TX	11,687	12,268	5.0	11,992	12,406	3.4	97.5	98.9	1.4
Ames, IA	5,113	5,416	5.9	5,309	5,516	3.9	96.3	98.2	2.0
Anchorage, AK	23,275	24,329	4.5	20,482	21,176	3.4	113.6	114.9	1.1
Ann Arbor, MI	20,945	22,021	5.1	19,729	20,282	2.8	106.2	108.6	2.3
Anniston-Oxford, AL	4,096	4,242	3.6	4,641	4,757	2.5	88.3	89.2	1.0
Appleton, WI	11,636	12,146	4.4	12,266	12,614	2.8	94.9	96.3	1.5
Asheville, NC	19,697	20,880	6.0	20,154	20,831	3.4	97.7	100.2	2.6
Athens-Clarke County, GA	8,127	8,598	5.8	8,458	8,783	3.8	96.1	97.9	1.9
Atlanta-Sandy Springs-Alpharetta, GA	295,295	312,213	5.7	289,057	299,076	3.5	102.2	104.4	2.2
Atlantic City-Hammonton, NJ	12,397	12,918	4.2	11,707	12,010	2.6	105.9	107.6	1.6
Auburn-Opelika, AL	5,890	6,236	5.9	6,671	6,810	2.1	88.3	91.6	3.7
Augusta-Richmond County, GA-SC	24,302	25,407	4.5	26,026	26,640	2.4	93.4	95.4	2.1
Austin-Round Rock-Georgetown, TX	117,458	127,439	8.5	111,750	118,563	6.1	105.1	107.5	2.3
Bakersfield, CA	34,196	35,604	4.1	33,648	34,416	2.3	101.6	103.5	1.9
Baltimore-Columbia-Towson, MD	166,713	174,901	4.9	148,020	152,757	3.2	112.6	114.5	1.7
Bangor, ME	6,044	6,354	5.1	5,930	6,138	3.5	101.9	103.5	1.6
Barnstable Town, MA	15,110	15,954	5.6	13,641	14,113	3.5	110.8	113.0	2.0
Baton Rouge, LA	39,158	41,009	4.7	40,485	41,669	2.9	96.7	98.4	1.8
Battle Creek, MI	5,187	5,417	4.4	5,563	5,757	3.5	93.2	94.1	1.0
Bay City, MI	4,188	4,336	3.5	4,645	4,724	1.7	90.2	91.8	1.8
Beaumont-Port Arthur, TX	17,035	17,623	3.4	18,154	18,622	2.6	93.8	94.6	0.9
Beckley, WV	4,328	4,540	4.9	5,426	5,522	1.8	79.8	82.2	3.0
Bellingham, WA	10,355	11,012	6.3	9,906	10,239	3.4	104.5	107.5	2.9
Bend, OR	9,907	10,587	6.9	9,268	9,712	4.8	106.9	109.0	2.0
Billings, MT	8,889	9,383	5.6	8,800	9,215	4.7	101.0	101.8	0.8
Binghamton, NY	10,438	10,766	3.1	10,347	10,481	1.3	100.9	102.7	1.8
Birmingham-Hoover, AL	52,787	55,469	5.1	56,772	58,315	2.7	93.0	95.1	2.3
Bismarck, ND	6,977	7,258	4.0	7,086	7,291	2.9	98.5	99.6	1.1
Blacksburg-Christiansburg, VA	6,129	6,483	5.8	6,578	6,786	3.2	93.2	95.5	2.5
Bloomington, IL	8,166	8,500	4.1	8,377	8,605	2.7	97.5	98.8	1.3
Bloomington, IN	6,714	7,037	4.8	6,923	7,155	3.3	97.0	98.4	1.4
Bloomsburg-Berwick, PA	3,667	3,810	3.9	3,727	3,837	2.9	98.4	99.3	0.9
Boise City, ID	31,288	33,580	7.3	31,975	33,467	4.7	97.9	100.3	2.5
Boston-Cambridge-Newton, MA-NH	362,273	383,665	5.9	303,858	313,119	3.0	119.2	122.5	2.8
Boulder, CO	22,458	23,932	6.6	19,860	20,834	4.9	113.1	114.9	1.6
Bowling Green, KY	6,275	6,519	3.9	7,032	7,187	2.2	89.2	90.7	1.7
Bremerton-Silverdale-Port Orchard, WA	14,083	15,175	7.8	12,490	13,117	5.0	112.8	115.7	2.6
Bridgeport-Stamford-Norwalk, CT	106,392	113,853	7.0	87,160	92,075	5.6	122.1	123.7	1.3
Brownsville-Harlingen, TX	11,607	12,190	5.0	13,288	13,692	3.0	87.3	89.0	1.9
Brunswick, GA	4,598	4,868	5.9	5,035	5,158	2.5	91.3	94.4	3.4
Buffalo-Cheektowaga, NY	55,217	56,976	3.2	55,512	56,023	0.9	99.5	101.7	2.2
Burlington, NC	6,237	6,548	5.0	6,634	6,815	2.7	94.0	96.1	2.2
Burlington-South Burlington, VT	12,136	12,729	4.9	10,908	11,221	2.9	111.3	113.4	1.9
California-Lexington Park, MD	6,120	6,402	4.6	5,858	6,082	3.8	104.5	105.3	0.8
Canton-Massillon, OH	17,150	17,846	4.1	18,724	19,257	2.8	91.6	92.7	1.2
Cape Coral-Fort Myers, FL	36,141	38,686	7.0	35,460	36,865	4.0	101.9	104.9	2.9
Cape Girardeau, MO-IL	4,057	4,253	4.8	4,651	4,725	1.6	87.2	90.0	3.2
Carbondale-Marion, IL	5,332	5,573	4.5	6,092	6,232	2.3	87.5	89.4	2.2
Carson City, NV	2,625	2,812	7.2	2,608	2,713	4.0	100.6	103.6	3.0

Table 4. Real Personal Income and Implicit Regional Price Deflators by Metropolitan Area, 2017-2018

	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
Casper, WY	4,992	5,489	10.0	4,989	5,396	8.2	100.1	101.7	1.6
Cedar Rapids, IA	13,454	14,205	5.6	14,380	14,965	4.1	93.6	94.9	1.4
Chambersburg-Waynesboro, PA	6,834	7,185	5.1	6,885	7,079	2.8	99.3	101.5	2.2
Champaign-Urbana, IL	9,888	10,408	5.3	10,084	10,519	4.3	98.1	98.9	0.8
Charleston, WV	10,917	11,469	5.1	12,018	12,375	3.0	90.8	92.7	2.1
Charleston-North Charleston, SC	37,800	40,137	6.2	37,313	38,631	3.5	101.3	103.9	2.6
Charlotte-Concord-Gastonia, NC-SC	127,597	135,350	6.1	129,240	133,919	3.6	98.7	101.1	2.4
Charlottesville, VA	13,708	14,529	6.0	13,159	13,668	3.9	104.2	106.3	2.0
Chattanooga, TN-GA	24,578	25,740	4.7	26,400	27,018	2.3	93.1	95.3	2.4
Cheyenne, WY	4,898	5,151	5.2	4,866	5,086	4.5	100.6	101.3	0.7
Chicago-Naperville-Elgin, IL-IN-WI	552,339	580,270	5.1	508,271	523,897	3.1	108.7	110.8	1.9
Chico, CA	9,776	10,255	4.9	9,361	9,589	2.4	104.4	107.0	2.5
Cincinnati, OH-KY-IN	113,938	119,888	5.2	120,200	124,136	3.3	94.8	96.6	1.9
Clarksville, TN-KY	11,791	12,230	3.7	12,583	12,802	1.7	93.7	95.5	1.9
Cleveland, TN	4,525	4,744	4.8	5,192	5,211	0.4	87.2	91.0	4.4
Cleveland-Elyria, OH	105,828	110,539	4.5	111,480	114,417	2.6	94.9	96.6	1.8
Coeur d'Alene, ID	6,792	7,266	7.0	6,868	7,162	4.3	98.9	101.4	2.5
College Station-Bryan, TX	9,724	10,375	6.7	9,968	10,401	4.3	97.5	99.7	2.3
Colorado Springs, CO	33,884	35,833	5.8	32,735	33,672	2.9	103.5	106.4	2.8
Columbia, MO	9,266	9,662	4.3	9,840	10,084	2.5	94.2	95.8	1.7
Columbia, SC	36,099	37,392	3.6	37,355	37,966	1.6	96.6	98.5	2.0
Columbus, GA-AL	12,447	13,056	4.9	13,279	13,684	3.0	93.7	95.4	1.8
Columbus, IN	3,956	4,131	4.4	4,243	4,332	2.1	93.2	95.4	2.4
Columbus, OH	102,745	107,781	4.9	106,131	109,267	3.0	96.8	98.6	1.9
Corpus Christi, TX	18,153	19,016	4.8	18,485	19,011	2.8	98.2	100.0	1.8
Corvallis, OR	4,076	4,331	6.2	3,798	3,951	4.0	107.3	109.6	2.1
Crestview-Fort Walton Beach-Destin, FL	13,544	14,393	6.3	13,612	14,221	4.5	99.5	101.2	1.7
Cumberland, MD-WV	3,779	3,921	3.8	4,145	4,246	2.4	91.2	92.4	1.3
Dallas-Fort Worth-Arlington, TX	391,943	417,481	6.5	372,049	386,615	3.9	105.3	108.0	2.6
Dalton, GA	5,033	5,229	3.9	5,706	5,782	1.3	88.2	90.4	2.5
Danville, IL	2,914	3,032	4.1	3,489	3,597	3.1	83.5	84.3	1.0
Daphne-Fairhope-Foley, AL	9,353	9,941	6.3	9,873	10,262	3.9	94.7	96.9	2.3
Davenport-Moline-Rock Island, IA-IL	18,060	18,757	3.9	19,333	19,709	1.9	93.4	95.2	1.9
Dayton-Kettering, OH	36,771	38,461	4.6	39,386	40,601	3.1	93.4	94.7	1.4
Decatur, AL	5,627	5,887	4.6	6,495	6,575	1.2	86.6	89.5	3.3
Decatur, IL	4,794	5,049	5.3	5,359	5,519	3.0	89.4	91.5	2.3
Deltona-Daytona Beach-Ormond Beach, FL	26,679	28,381	6.4	26,585	27,578	3.7	100.4	102.9	2.5
Denver-Aurora-Lakewood, CO	175,326	188,515	7.5	158,370	167,469	5.7	110.7	112.6	1.7
Des Moines-West Des Moines, IA	35,320	37,466	6.1	36,140	37,701	4.3	97.7	99.4	1.7
Detroit-Warren-Dearborn, MI	219,366	229,674	4.7	218,474	224,234	2.6	100.4	102.4	2.0
Dothan, AL	5,798	6,061	4.5	6,611	6,733	1.8	87.7	90.0	2.6
Dover, DE	7,135	7,503	5.2	7,264	7,582	4.4	98.2	99.0	0.8
Dubuque, IA	4,486	4,754	6.0	4,730	4,946	4.6	94.8	96.1	1.4
Duluth, MN-WI	12,676	13,387	5.6	13,508	13,899	2.9	93.8	96.3	2.7
Durham-Chapel Hill, NC	32,018	34,342	7.3	32,165	33,746	4.9	99.5	101.8	2.3
East Stroudsburg, PA	6,790	7,242	6.7	6,679	6,949	4.0	101.7	104.2	2.5
Eau Claire, WI	7,566	8,003	5.8	8,008	8,344	4.2	94.5	95.9	1.5
El Centro, CA	6,634	6,723	1.3	6,969	6,976	0.1	95.2	96.4	1.3
Elizabethtown-Fort Knox, KY	6,160	6,464	4.9	6,904	7,025	1.7	89.2	92.0	3.1
Elkhart-Goshen, IN	9,286	9,624	3.6	9,901	10,103	2.0	93.8	95.3	1.6
Elmira, NY	3,628	3,739	3.0	3,620	3,650	0.8	100.2	102.4	2.2
El Paso, TX	28,927	30,302	4.8	31,038	31,871	2.7	93.2	95.1	2.0
Enid, OK	2,613	2,709	3.7	2,760	2,814	2.0	94.7	96.2	1.6
Erie, PA	11,588	12,216	5.4	11,923	12,342	3.5	97.2	99.0	1.9
Eugene-Springfield, OR	16,512	17,431	5.6	15,960	16,498	3.4	103.5	105.7	2.1
Evansville, IN-KY	14,310	14,888	4.0	15,357	15,749	2.6	93.2	94.5	1.4
Fairbanks, AK	5,383	5,602	4.1	4,744	4,899	3.3	113.5	114.4	0.8
Fargo, ND-MN	12,235	12,939	5.8	12,737	13,194	3.6	96.1	98.1	2.1
Farmington, NM	4,266	4,433	3.9	4,484	4,537	1.2	95.1	97.7	2.7
Fayetteville, NC	18,243	19,238	5.5	19,590	20,209	3.2	93.1	95.2	2.3
Fayetteville-Springdale-Rogers, AR	32,296	34,354	6.4	34,424	36,058	4.7	93.8	95.3	1.6

Table 4. Real Personal Income and Implicit Regional Price Deflators by Metropolitan Area, 2017-2018

	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
Flagstaff, AZ	6,584	6,875	4.4	6,361	6,506	2.3	103.5	105.7	2.1
Flint, MI	16,054	16,710	4.1	17,014	17,357	2.0	94.4	96.3	2.0
Florence, SC	7,943	8,283	4.3	8,736	8,883	1.7	90.9	93.2	2.5
Florence-Muscle Shoals, AL	5,315	5,534	4.1	6,079	6,271	3.2	87.4	88.2	0.9
Fond du Lac, WI	4,730	4,960	4.9	5,174	5,309	2.6	91.4	93.4	2.2
Fort Collins, CO	17,715	18,994	7.2	16,655	17,352	4.2	106.4	109.5	2.9
Fort Smith, AR-OK	9,111	9,456	3.8	10,293	10,552	2.5	88.5	89.6	1.2
Fort Wayne, IN	17,884	18,891	5.6	19,099	19,840	3.9	93.6	95.2	1.7
Fresno, CA	40,583	42,843	5.6	40,064	41,401	3.3	101.3	103.5	2.2
Gadsden, AL	3,659	3,784	3.4	4,256	4,285	0.7	86.0	88.3	2.7
Gainesville, FL	13,311	14,035	5.4	13,525	13,884	2.7	98.4	101.1	2.7
Gainesville, GA	8,348	8,834	5.8	8,901	9,116	2.4	93.8	96.9	3.3
Gettysburg, PA	4,813	5,056	5.0	4,775	4,902	2.7	100.8	103.1	2.3
Glens Falls, NY	5,670	5,823	2.7	5,567	5,593	0.5	101.9	104.1	2.2
Goldsboro, NC	4,599	4,742	3.1	5,031	5,077	0.9	91.4	93.4	2.2
Grand Forks, ND-MN	4,944	5,183	4.8	5,177	5,313	2.6	95.5	97.6	2.2
Grand Island, NE	3,191	3,322	4.1	3,598	3,673	2.1	88.7	90.4	1.9
Grand Junction, CO	6,395	6,884	7.6	6,503	6,880	5.8	98.3	100.1	1.8
Grand Rapids-Kentwood, MI	51,057	54,120	6.0	52,509	54,712	4.2	97.2	98.9	1.7
Grants Pass, OR	3,394	3,581	5.5	3,441	3,584	4.2	98.6	99.9	1.3
Great Falls, MT	3,696	3,880	5.0	3,818	3,913	2.5	96.8	99.1	2.4
Greeley, CO	13,485	14,512	7.6	13,079	13,857	5.9	103.1	104.7	1.6
Green Bay, WI	15,753	16,579	5.2	16,641	17,201	3.4	94.7	96.4	1.8
Greensboro-High Point, NC	31,838	33,157	4.1	33,675	34,404	2.2	94.5	96.4	2.0
Greenville, NC	7,122	7,411	4.1	7,717	7,931	2.8	92.3	93.4	1.2
Greenville-Anderson, SC	38,190	40,085	5.0	40,327	41,336	2.5	94.7	97.0	2.4
Gulfport-Biloxi, MS	14,731	15,340	4.1	15,954	16,307	2.2	92.3	94.1	2.0
Hagerstown-Martinsburg, MD-WV	11,927	12,547	5.2	11,550	11,940	3.4	103.3	105.1	1.7
Hammond, LA	4,959	5,214	5.1	5,488	5,668	3.3	90.4	92.0	1.8
Hanford-Corcoran, CA	5,138	5,344	4.0	5,127	5,228	2.0	100.2	102.2	2.0
Harrisburg-Carlisle, PA	28,547	30,085	5.4	28,109	29,017	3.2	101.6	103.7	2.1
Harrisonburg, VA	5,163	5,373	4.1	5,501	5,544	0.8	93.9	96.9	3.2
Hartford-East Hartford-Middletown, CT	74,169	77,610	4.6	68,904	70,847	2.8	107.6	109.5	1.8
Hattiesburg, MS	6,218	6,503	4.6	7,195	7,213	0.2	86.4	90.2	4.4
Hickory-Lenoir-Morganton, NC	13,990	14,681	4.9	15,280	15,630	2.3	91.6	93.9	2.5
Hilton Head Island-Bluffton, SC	10,820	11,549	6.7	10,785	11,331	5.1	100.3	101.9	1.6
Hinesville, GA	2,603	2,716	4.4	2,758	2,773	0.6	94.4	97.9	3.7
Homosassa Springs, FL	5,328	5,609	5.3	5,788	5,912	2.1	92.0	94.9	3.2
Hot Springs, AR	3,803	3,967	4.3	4,211	4,324	2.7	90.3	91.7	1.6
Houma-Thibodaux, LA	8,733	9,229	5.7	9,260	9,644	4.1	94.3	95.7	1.5
Houston-The Woodlands-Sugar Land, TX	369,311	392,394	6.3	345,311	359,216	4.0	107.0	109.2	2.1
Huntington-Ashland, WV-KY-OH	13,716	14,477	5.5	15,181	15,738	3.7	90.4	92.0	1.8
Huntsville, AL	21,621	22,947	6.1	23,059	23,986	4.0	93.8	95.7	2.0
Idaho Falls, ID	6,363	6,772	6.4	6,621	6,917	4.5	96.1	97.9	1.9
Indianapolis-Carmel-Anderson, IN	105,838	110,997	4.9	109,779	112,939	2.9	96.4	98.3	2.0
Iowa City, IA	8,714	9,239	6.0	8,805	9,195	4.4	99.0	100.5	1.5
Ithaca, NY	4,463	4,655	4.3	3,986	4,098	2.8	112.0	113.6	1.4
Jackson, MI	6,035	6,326	4.8	6,492	6,702	3.2	93.0	94.4	1.5
Jackson, MS	25,196	26,166	3.9	26,945	27,335	1.4	93.5	95.7	2.4
Jackson, TN	6,876	7,171	4.3	8,085	8,250	2.0	85.0	86.9	2.2
Jacksonville, FL	71,976	76,357	6.1	71,628	74,544	4.1	100.5	102.4	1.9
Jacksonville, NC	8,736	9,121	4.4	8,968	9,227	2.9	97.4	98.9	1.5
Janesville-Beloit, WI	6,848	7,211	5.3	7,242	7,475	3.2	94.6	96.5	2.0
Jefferson City, MO	6,394	6,637	3.8	7,429	7,574	2.0	86.1	87.6	1.7
Johnson City, TN	7,806	8,182	4.8	8,562	8,872	3.6	91.2	92.2	1.1
Johnstown, PA	5,418	5,720	5.6	5,956	6,175	3.7	91.0	92.6	1.8
Jonesboro, AR	4,634	4,849	4.6	5,367	5,427	1.1	86.3	89.3	3.5
Joplin, MO	6,929	7,114	2.7	7,618	7,789	2.2	91.0	91.3	0.3
Kahului-Wailuku-Lahaina, HI	7,879	8,204	4.1	6,796	6,983	2.8	115.9	117.5	1.4
Kalamazoo-Portage, MI	12,276	12,905	5.1	12,886	13,309	3.3	95.3	97.0	1.8
Kankakee, IL	4,378	4,543	3.8	4,428	4,529	2.3	98.9	100.3	1.4

Table 4. Real Personal Income and Implicit Regional Price Deflators by Metropolitan Area, 2017-2018

	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
Kansas City, MO-KS	110,016	115,303	4.8	112,568	115,722	2.8	97.7	99.6	1.9
Kennewick-Richland, WA	12,513	13,110	4.8	12,246	12,556	2.5	102.2	104.4	2.2
Killeen-Temple, TX	18,064	18,805	4.1	18,976	19,446	2.5	95.2	96.7	1.6
Kingsport-Bristol, TN-VA	11,750	12,277	4.5	13,174	13,480	2.3	89.2	91.1	2.1
Kingston, NY	8,670	9,013	4.0	7,977	8,133	2.0	108.7	110.8	1.9
Knoxville, TN	37,322	39,343	5.4	40,243	41,351	2.8	92.7	95.1	2.6
Kokomo, IN	3,286	3,446	4.9	3,623	3,741	3.3	90.7	92.1	1.5
La Crosse-Onalaska, WI-MN	6,578	6,897	4.8	6,832	7,033	2.9	96.3	98.1	1.9
Lafayette, LA	20,502	21,666	5.7	22,429	23,329	4.0	91.4	92.9	1.6
Lafayette-West Lafayette, IN	8,578	9,197	7.2	8,996	9,538	6.0	95.3	96.4	1.2
Lake Charles, LA	9,669	10,296	6.5	10,329	10,799	4.5	93.6	95.3	1.8
Lake Havasu City-Kingman, AZ	6,574	6,946	5.7	6,932	7,191	3.7	94.8	96.6	1.9
Lakeland-Winter Haven, FL	23,723	25,108	5.8	24,220	25,101	3.6	97.9	100.0	2.1
Lancaster, PA	27,031	28,626	5.9	25,854	26,967	4.3	104.6	106.2	1.5
Lansing-East Lansing, MI	21,942	23,000	4.8	22,832	23,507	3.0	96.1	97.8	1.8
Laredo, TX	8,261	8,729	5.7	8,919	9,314	4.4	92.6	93.7	1.2
Las Cruces, NM	7,598	7,955	4.7	8,154	8,497	4.2	93.2	93.6	0.4
Las Vegas-Henderson-Paradise, NV	98,439	105,088	6.8	97,120	101,187	4.2	101.4	103.9	2.5
Lawrence, KS	5,054	5,300	4.9	5,271	5,373	1.9	95.9	98.6	2.8
Lawton, OK	5,054	5,238	3.6	5,395	5,506	2.1	93.7	95.1	1.5
Lebanon, PA	6,447	6,833	6.0	6,427	6,632	3.2	100.3	103.0	2.7
Lewiston, ID-WA	2,752	2,859	3.9	2,884	2,946	2.1	95.4	97.1	1.8
Lewiston-Auburn, ME	4,260	4,472	5.0	4,235	4,365	3.1	100.6	102.4	1.8
Lexington-Fayette, KY	23,784	24,737	4.0	25,042	25,455	1.6	95.0	97.2	2.3
Lima, OH	4,196	4,396	4.8	4,672	4,867	4.2	89.8	90.3	0.6
Lincoln, NE	15,756	16,691	5.9	16,426	17,076	4.0	95.9	97.7	1.9
Little Rock-North Little Rock-Conway, AR	32,399	33,729	4.1	34,201	35,249	3.1	94.7	95.7	1.1
Logan, UT-ID	5,145	5,447	5.9	5,352	5,561	3.9	96.1	98.0	2.0
Longview, TX	11,270	11,912	5.7	11,839	12,367	4.5	95.2	96.3	1.2
Longview, WA	4,602	4,903	6.6	4,601	4,822	4.8	100.0	101.7	1.7
Los Angeles-Long Beach-Anaheim, CA	806,548	849,493	5.3	656,807	676,081	2.9	122.8	125.6	2.3
Louisville/Jefferson County, KY-IN	60,704	63,373	4.4	64,064	65,507	2.3	94.8	96.7	2.0
Lubbock, TX	12,795	13,459	5.2	13,125	13,620	3.8	97.5	98.8	1.3
Lynchburg, VA	10,143	10,633	4.8	10,744	11,097	3.3	94.4	95.8	1.5
Macon-Bibb County, GA	9,026	9,434	4.5	9,896	10,078	1.8	91.2	93.6	2.6
Madera, CA	5,934	6,291	6.0	5,946	6,234	4.9	99.8	100.9	1.1
Madison, WI	37,111	39,210	5.7	36,552	37,850	3.6	101.5	103.6	2.1
Manchester-Nashua, NH	24,089	25,391	5.4	21,090	21,926	4.0	114.2	115.8	1.4
Manhattan, KS	5,818	6,007	3.3	6,025	6,168	2.4	96.6	97.4	0.8
Mankato, MN	4,530	4,690	3.5	4,744	4,801	1.2	95.5	97.7	2.3
Mansfield, OH	4,564	4,751	4.1	5,056	5,223	3.3	90.3	91.0	0.8
McAllen-Edinburg-Mission, TX	21,845	22,869	4.7	24,893	25,778	3.6	87.8	88.7	1.0
Medford, OR	9,653	10,232	6.0	9,430	9,799	3.9	102.4	104.4	2.0
Memphis, TN-MS-AR	59,806	62,580	4.6	62,973	64,655	2.7	95.0	96.8	1.9
Merced, CA	10,321	10,584	2.5	10,388	10,382	-0.1	99.4	101.9	2.5
Miami-Fort Lauderdale-Pompano Beach, FL	334,597	354,746	6.0	290,612	300,951	3.6	115.1	117.9	2.4
Michigan City-La Porte, IN	4,458	4,678	4.9	5,029	5,143	2.3	88.6	91.0	2.7
Midland, MI	4,847	5,031	3.8	5,081	5,175	1.9	95.4	97.2	1.9
Midland, TX	18,564	21,800	17.4	17,709	20,465	15.6	104.8	106.5	1.6
Milwaukee-Waukesha, WI	85,398	89,846	5.2	85,236	88,301	3.6	100.2	101.7	1.5
Minneapolis-St. Paul-Bloomington, MN-WI	215,264	227,292	5.6	199,350	206,451	3.6	108.0	110.1	1.9
Missoula, MT	5,550	5,879	5.9	5,541	5,769	4.1	100.2	101.9	1.7
Mobile, AL	15,821	16,418	3.8	17,464	17,809	2.0	90.6	92.2	1.8
Modesto, CA	23,094	24,258	5.0	22,245	22,737	2.2	103.8	106.7	2.8
Monroe, LA	7,896	8,186	3.7	8,975	9,058	0.9	88.0	90.4	2.7
Monroe, MI	6,806	7,145	5.0	7,019	7,267	3.5	97.0	98.3	1.3
Montgomery, AL	15,557	16,027	3.0	16,761	16,936	1.0	92.8	94.6	1.9
Morgantown, WV	5,691	5,962	4.8	5,928	6,180	4.3	96.0	96.5	0.5
Morristown, TN	4,832	5,078	5.1	5,690	5,771	1.4	84.9	88.0	3.7
Mount Vernon-Anacortes, WA	6,316	6,803	7.7	6,004	6,314	5.2	105.2	107.7	2.4
Muncie, IN	4,121	4,270	3.6	4,566	4,618	1.1	90.2	92.5	2.5

Table 4. Real Personal Income and Implicit Regional Price Deflators by Metropolitan Area, 2017-2018

	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
Muskegon, MI	6,461	6,782	5.0	7,071	7,265	2.7	91.4	93.4	2.2
Myrtle Beach-Conway-North Myrtle Beach, SC-NC	17,407	18,610	6.9	17,949	18,877	5.2	97.0	98.6	1.6
Napa, CA	9,798	10,454	6.7	7,596	7,985	5.1	129.0	130.9	1.5
Naples-Marco Island, FL	32,428	35,080	8.2	30,269	32,158	6.2	107.1	109.1	1.9
Nashville-Davidson--Murfreesboro--Franklin, TN	103,883	110,453	6.3	104,622	108,508	3.7	99.3	101.8	2.5
New Bern, NC	5,194	5,417	4.3	5,856	6,005	2.5	88.7	90.2	1.7
New Haven-Milford, CT	45,982	48,584	5.7	40,175	41,828	4.1	114.5	116.2	1.5
New Orleans-Metairie, LA	63,267	66,609	5.3	63,611	66,002	3.8	99.5	100.9	1.4
New York-Newark-Jersey City, NY-NJ-PA	1,409,828	1,480,233	5.0	1,085,280	1,111,975	2.5	129.9	133.1	2.5
Niles, MI	7,047	7,311	3.7	7,610	7,819	2.8	92.6	93.5	1.0
North Port-Sarasota-Bradenton, FL	43,260	46,388	7.2	41,092	43,014	4.7	105.3	107.8	2.4
Norwich-New London, CT	15,144	15,811	4.4	14,061	14,406	2.5	107.7	109.8	1.9
Ocala, FL	12,634	13,318	5.4	13,251	13,625	2.8	95.3	97.8	2.6
Ocean City, NJ	5,402	5,635	4.3	4,982	5,091	2.2	108.4	110.7	2.1
Odessa, TX	6,687	7,664	14.6	6,683	7,554	13.0	100.1	101.5	1.4
Ogden-Clearfield, UT	27,777	29,695	6.9	28,266	29,366	3.9	98.3	101.1	2.8
Oklahoma City, OK	63,561	67,827	6.7	66,494	69,688	4.8	95.6	97.3	1.8
Olympia-Lacey-Tumwater, WA	13,684	14,803	8.2	12,149	12,776	5.2	112.6	115.9	2.9
Omaha-Council Bluffs, NE-IA	51,486	54,682	6.2	53,067	55,341	4.3	97.0	98.8	1.9
Orlando-Kissimmee-Sanford, FL	104,910	111,901	6.7	101,277	105,643	4.3	103.6	105.9	2.2
Oshkosh-Neenah, WI	7,860	8,226	4.7	8,287	8,544	3.1	94.8	96.3	1.6
Owensboro, KY	4,744	4,930	3.9	5,164	5,237	1.4	91.9	94.1	2.4
Oxnard-Thousand Oaks-Ventura, CA	49,994	52,515	5.0	40,417	41,792	3.4	123.7	125.7	1.6
Palm Bay-Melbourne-Titusville, FL	25,514	27,112	6.3	25,259	26,239	3.9	101.0	103.3	2.3
Panama City, FL	7,638	8,010	4.9	7,673	7,880	2.7	99.5	101.7	2.2
Parkersburg-Vienna, WV	3,545	3,780	6.6	3,826	4,011	4.8	92.7	94.2	1.6
Pensacola-Ferry Pass-Brent, FL	20,269	21,408	5.6	20,839	21,588	3.6	97.3	99.2	2.0
Peoria, IL	18,657	19,705	5.6	20,012	20,866	4.3	93.2	94.4	1.3
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	371,355	392,847	5.8	335,513	347,500	3.6	110.7	113.0	2.1
Phoenix-Mesa-Chandler, AZ	210,503	224,072	6.4	204,991	212,981	3.9	102.7	105.2	2.4
Pine Bluff, AR	3,021	3,093	2.4	3,494	3,540	1.3	86.5	87.4	1.0
Pittsburgh, PA	126,933	135,003	6.4	129,199	135,106	4.6	98.2	99.9	1.7
Pittsfield, MA	6,847	7,139	4.3	6,625	6,760	2.0	103.4	105.6	2.1
Pocatello, ID	3,441	3,610	4.9	3,710	3,843	3.6	92.7	93.9	1.3
Portland-South Portland, ME	29,230	30,921	5.8	27,021	27,919	3.3	108.2	110.8	2.4
Portland-Vancouver-Hillsboro, OR-WA	132,684	141,270	6.5	122,617	126,883	3.5	108.2	111.3	2.9
Port St. Lucie, FL	24,523	26,140	6.6	23,983	24,866	3.7	102.2	105.1	2.8
Poughkeepsie-Newburgh-Middletown, NY	34,779	36,359	4.5	28,265	28,933	2.4	123.0	125.7	2.2
Prescott Valley-Prescott, AZ	8,753	9,352	6.8	8,699	9,167	5.4	100.6	102.0	1.4
Providence-Warwick, RI-MA	84,325	88,501	5.0	79,981	82,605	3.3	105.4	107.1	1.6
Provo-Orem, UT	23,970	25,877	8.0	23,793	25,039	5.2	100.7	103.3	2.6
Pueblo, CO	6,248	6,619	5.9	6,579	6,850	4.1	95.0	96.6	1.7
Punta Gorda, FL	7,237	7,689	6.2	7,192	7,436	3.4	100.6	103.4	2.8
Racine, WI	9,292	9,780	5.3	9,492	9,865	3.9	97.9	99.1	1.2
Raleigh-Cary, NC	69,678	75,001	7.6	68,738	72,345	5.2	101.4	103.7	2.3
Rapid City, SD	6,618	6,956	5.1	6,986	7,274	4.1	94.7	95.6	1.0
Reading, PA	19,796	20,985	6.0	19,570	20,314	3.8	101.2	103.3	2.1
Redding, CA	7,986	8,387	5.0	7,825	8,056	3.0	102.1	104.1	2.0
Reno, NV	25,890	28,016	8.2	25,222	26,563	5.3	102.6	105.5	2.8
Richmond, VA	70,179	73,485	4.7	69,286	71,243	2.8	101.3	103.1	1.8
Riverside-San Bernardino-Ontario, CA	177,428	187,142	5.5	158,199	162,967	3.0	112.2	114.8	2.3
Roanoke, VA	14,131	14,755	4.4	14,879	15,191	2.1	95.0	97.1	2.2
Rochester, MN	11,321	12,160	7.4	11,551	12,145	5.1	98.0	100.1	2.1
Rochester, NY	53,177	54,804	3.1	51,698	52,313	1.2	102.9	104.8	1.8
Rockford, IL	14,248	14,968	5.1	15,354	15,929	3.7	92.8	94.0	1.3
Rocky Mount, NC	5,543	5,768	4.1	6,208	6,352	2.3	89.3	90.8	1.7
Rome, GA	3,605	3,772	4.6	4,197	4,247	1.2	85.9	88.8	3.4
Sacramento-Roseville-Folsom, CA	125,325	131,984	5.3	116,025	118,705	2.3	108.0	111.2	3.0
Saginaw, MI	7,159	7,394	3.3	7,785	7,918	1.7	92.0	93.4	1.5
St. Cloud, MN	8,851	9,293	5.0	9,279	9,527	2.7	95.4	97.5	2.2
St. George, UT	6,105	6,670	9.3	6,135	6,570	7.1	99.5	101.5	2.0

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	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
St. Joseph, MO-KS	4,802	4,965	3.4	5,309	5,426	2.2	90.5	91.5	1.1
St. Louis, MO-IL	148,554	156,779	5.5	154,595	160,592	3.9	96.1	97.6	1.6
Salem, OR	17,343	18,457	6.4	16,968	17,581	3.6	102.2	105.0	2.7
Salinas, CA	23,511	24,477	4.1	20,490	20,797	1.5	114.7	117.7	2.6
Salisbury, MD-DE	18,879	19,801	4.9	20,140	20,767	3.1	93.7	95.3	1.7
Salt Lake City, UT	59,115	63,249	7.0	57,372	59,734	4.1	103.0	105.9	2.8
San Angelo, TX	5,290	5,616	6.2	5,427	5,691	4.9	97.5	98.7	1.2
San Antonio-New Braunfels, TX	111,031	118,335	6.6	112,498	117,453	4.4	98.7	100.8	2.1
San Diego-Chula Vista-Carlsbad, CA	193,200	205,236	6.2	157,473	164,302	4.3	122.7	124.9	1.8
San Francisco-Oakland-Berkeley, CA	436,388	470,222	7.8	320,525	332,951	3.9	136.1	141.2	3.7
San Jose-Sunnyvale-Santa Clara, CA	196,748	212,332	7.9	143,800	152,932	6.4	136.8	138.8	1.5
San Luis Obispo-Paso Robles, CA	15,736	16,612	5.6	13,831	14,247	3.0	113.8	116.6	2.5
Santa Cruz-Watsonville, CA	17,855	19,021	6.5	13,413	14,125	5.3	133.1	134.7	1.2
Santa Fe, NM	8,270	8,780	6.2	8,063	8,365	3.7	102.6	105.0	2.3
Santa Maria-Santa Barbara, CA	26,573	27,993	5.3	22,892	23,461	2.5	116.1	119.3	2.8
Santa Rosa-Petaluma, CA	30,280	32,247	6.5	23,482	24,544	4.5	129.0	131.4	1.9
Savannah, GA	17,291	18,362	6.2	17,473	18,133	3.8	99.0	101.3	2.3
Scranton-Wilkes-Barre, PA	24,396	25,649	5.1	25,133	25,985	3.4	97.1	98.7	1.6
Seattle-Tacoma-Bellevue, WA	271,575	293,954	8.2	230,643	242,608	5.2	117.7	121.2	3.0
Sebastian-Vero Beach, FL	11,134	11,973	7.5	11,465	12,039	5.0	97.1	99.5	2.5
Sebring-Avon Park, FL	3,426	3,527	2.9	3,883	3,838	-1.1	88.2	91.9	4.2
Sheboygan, WI	5,845	6,102	4.4	6,208	6,408	3.2	94.1	95.2	1.2
Sherman-Denison, TX	5,335	5,654	6.0	5,563	5,774	3.8	95.9	97.9	2.1
Shreveport-Bossier City, LA	17,539	18,489	5.4	18,851	19,544	3.7	93.0	94.6	1.7
Sierra Vista-Douglas, AZ	4,895	5,110	4.4	5,259	5,366	2.0	93.1	95.2	2.3
Sioux City, IA-NE-SD	6,878	7,282	5.9	7,406	7,661	3.4	92.9	95.0	2.3
Sioux Falls, SD	14,928	15,812	5.9	15,547	16,138	3.8	96.0	98.0	2.1
South Bend-Mishawaka, IN-MI	14,666	15,233	3.9	15,884	16,133	1.6	92.3	94.4	2.3
Spartanburg, SC	12,812	13,544	5.7	13,556	14,103	4.0	94.5	96.0	1.6
Spokane-Spokane Valley, WA	24,229	25,701	6.1	24,119	25,010	3.7	100.5	102.8	2.3
Springfield, IL	9,634	10,131	5.2	10,228	10,496	2.6	94.2	96.5	2.4
Springfield, MA	35,055	36,509	4.1	33,944	34,964	3.0	103.3	104.4	1.1
Springfield, MO	18,633	19,510	4.7	20,400	21,065	3.3	91.3	92.6	1.4
Springfield, OH	5,283	5,487	3.9	5,818	5,974	2.7	90.8	91.8	1.1
State College, PA	7,224	7,521	4.1	6,716	6,912	2.9	107.6	108.8	1.1
Staunton, VA	5,199	5,451	4.8	5,803	5,907	1.8	89.6	92.3	3.0
Stockton, CA	31,476	33,866	7.6	29,906	31,346	4.8	105.2	108.0	2.7
Sumter, SC	5,026	5,230	4.1	5,503	5,714	3.8	91.3	91.5	0.2
Syracuse, NY	31,256	32,353	3.5	30,710	31,250	1.8	101.8	103.5	1.7
Tallahassee, FL	15,571	16,408	5.4	15,833	16,378	3.4	98.3	100.2	1.9
Tampa-St. Petersburg-Clearwater, FL	140,073	148,460	6.0	135,423	139,797	3.2	103.4	106.2	2.7
Terre Haute, IN	6,877	7,149	4.0	7,547	7,726	2.4	91.1	92.5	1.5
Texarkana, TX-AR	5,482	5,650	3.1	6,001	6,114	1.9	91.4	92.4	1.1
The Villages, FL	5,509	5,936	7.7	5,607	5,881	4.9	98.3	100.9	2.6
Toledo, OH	28,787	30,166	4.8	31,364	32,400	3.3	91.8	93.1	1.4
Topeka, KS	10,202	10,703	4.9	10,955	11,273	2.9	93.1	94.9	1.9
Trenton-Princeton, NJ	24,282	25,644	5.6	21,142	22,001	4.1	114.9	116.6	1.5
Tucson, AZ	43,292	45,748	5.7	43,801	45,399	3.6	98.8	100.8	2.0
Tulsa, OK	50,705	54,526	7.5	53,631	56,737	5.8	94.5	96.1	1.7
Tuscaloosa, AL	9,136	9,565	4.7	9,961	10,232	2.7	91.7	93.5	2.0
Twin Falls, ID	4,132	4,328	4.7	4,330	4,492	3.7	95.4	96.4	1.0
Tyler, TX	11,836	12,715	7.4	12,054	12,791	6.1	98.2	99.4	1.2
Urban Honolulu, HI	56,275	58,421	3.8	43,049	43,864	1.9	130.7	133.2	1.9
Utica-Rome, NY	12,509	12,833	2.6	12,763	12,830	0.5	98.0	100.0	2.0
Valdosta, GA	5,033	5,294	5.2	5,835	5,922	1.5	86.2	89.4	3.7
Vallejo, CA	21,468	23,074	7.5	17,128	17,999	5.1	125.3	128.2	2.3
Victoria, TX	4,332	4,579	5.7	4,423	4,593	3.8	97.9	99.7	1.8
Vineland-Bridgeton, NJ	5,862	6,082	3.8	5,712	5,755	0.7	102.6	105.7	3.0
Virginia Beach-Norfolk-Newport News, VA-NC	85,397	89,345	4.6	83,320	85,833	3.0	102.5	104.1	1.6
Visalia, CA	18,069	18,830	4.2	18,167	18,636	2.6	99.5	101.0	1.5
Waco, TX	10,522	11,104	5.5	11,036	11,533	4.5	95.3	96.3	1.0



Table 4. Real Personal Income and Implicit Regional Price Deflators by Metropolitan Area, 2017-2018

	Personal income [Millions of dollars]			Real personal income [Millions of chained (2012) dollars]			Implicit regional price deflators		
	2017	2018	Percent change	2017	2018	Percent change	2017	2018	Percent change
Walla Walla, WA	2,680	2,811	4.9	2,629	2,717	3.3	101.9	103.5	1.6
Warner Robins, GA	7,294	7,666	5.1	7,798	8,018	2.8	93.5	95.6	2.2
Washington-Arlington-Alexandria, DC-VA-MD-WV	430,565	453,978	5.4	348,562	359,256	3.1	123.5	126.4	2.3
Waterloo-Cedar Falls, IA	7,391	7,815	5.7	7,811	8,130	4.1	94.6	96.1	1.6
Watertown-Fort Drum, NY	5,142	5,244	2.0	4,957	4,978	0.4	103.7	105.3	1.5
Wausau-Weston, WI	7,712	8,054	4.4	8,195	8,425	2.8	94.1	95.6	1.6
Weirton-Steubenville, WV-OH	4,547	4,738	4.2	5,136	5,251	2.2	88.5	90.2	1.9
Wenatchee, WA	5,700	6,000	5.3	5,539	5,648	2.0	102.9	106.2	3.2
Wheeling, WV-OH	6,442	6,845	6.3	7,167	7,503	4.7	89.9	91.2	1.4
Wichita, KS	31,128	33,061	6.2	33,232	34,771	4.6	93.7	95.1	1.5
Wichita Falls, TX	6,258	6,586	5.2	6,722	7,006	4.2	93.1	94.0	1.0
Williamsport, PA	4,738	4,981	5.1	4,867	5,036	3.5	97.3	98.9	1.6
Wilmington, NC	12,142	12,752	5.0	12,426	12,696	2.2	97.7	100.4	2.8
Winchester, VA-WV	6,395	6,735	5.3	6,558	6,758	3.1	97.5	99.7	2.3
Winston-Salem, NC	28,874	30,115	4.3	30,887	31,612	2.3	93.5	95.3	1.9
Worcester, MA-CT	50,200	52,892	5.4	45,981	47,740	3.8	109.2	110.8	1.5
Yakima, WA	10,483	10,908	4.1	10,676	10,875	1.9	98.2	100.3	2.1
York-Hanover, PA	21,321	22,464	5.4	21,054	21,706	3.1	101.3	103.5	2.2
Youngstown-Warren-Boardman, OH-PA	21,944	22,875	4.2	24,161	24,753	2.5	90.8	92.4	1.8
Yuba City, CA	7,149	7,505	5.0	6,995	7,254	3.7	102.2	103.5	1.3
Yuma, AZ	7,352	7,569	3.0	7,814	7,938	1.6	94.1	95.3	1.3
Maximum	1,409,828	1,480,233	17.4	1,085,280	1,111,975	15.6	136.8	141.2	4.4
Minimum	2,603	2,709	1.3	2,608	2,713	-1.1	79.8	82.2	0.2
Range	1,407,225	1,477,524	16.1	1,082,672	1,109,262	16.7	57.0	59.0	4.2

Source: U.S. Bureau of Economic Analysis

Note: Estimates may not add to totals because of rounding.

1. The implicit price deflator for the United States is equal to the national personal consumption expenditures price index, with a base of 2012.

Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
United States	51,885	54,446	4.9	48,980	50,346	2.8
United States nonmetropolitan portion	39,690	41,552	4.7	42,997	44,417	3.3
<b>Metropolitan Statistical Areas</b>						
Abilene, TX	40,862	43,140	5.6	42,897	43,979	2.5
Akron, OH	47,343	49,423	4.4	49,779	51,138	2.7
Albany, GA	36,522	37,500	2.7	41,835	42,158	0.8
Albany-Lebanon, OR	40,865	42,891	5.0	40,495	41,374	2.2
Albany-Schenectady-Troy, NY	56,264	58,104	3.3	53,420	54,205	1.5
Albuquerque, NM	40,715	42,536	4.5	40,915	42,090	2.9
Alexandria, LA	42,200	43,995	4.3	46,026	47,550	3.3
Allentown-Bethlehem-Easton, PA-NJ	51,236	54,120	5.6	48,770	50,560	3.7
Altoona, PA	44,160	46,743	5.8	46,514	48,144	3.5
Amarillo, TX	44,111	46,131	4.6	45,262	46,648	3.1
Ames, IA	41,321	43,519	5.3	42,902	44,324	3.3
Anchorage, AK	58,093	60,953	4.9	51,123	53,053	3.8
Ann Arbor, MI	56,729	59,363	4.6	53,435	54,673	2.3
Anniston-Oxford, AL	35,721	37,120	3.9	40,472	41,630	2.9
Appleton, WI	49,292	51,134	3.7	51,963	53,106	2.2
Asheville, NC	43,265	45,433	5.0	44,270	45,325	2.4
Athens-Clarke County, GA	38,884	40,690	4.6	40,469	41,564	2.7
Atlanta-Sandy Springs-Alpharetta, GA	50,269	52,473	4.4	49,207	50,265	2.2
Atlantic City-Hammonton, NJ	46,549	48,668	4.6	43,958	45,248	2.9
Auburn-Opelika, AL	36,437	38,036	4.4	41,272	41,538	0.6
Augusta-Richmond County, GA-SC	40,502	42,053	3.8	43,376	44,093	1.7
Austin-Round Rock-Georgetown, TX	55,530	58,773	5.8	52,831	54,680	3.5
Bakersfield, CA	38,467	39,703	3.2	37,850	38,378	1.4
Baltimore-Columbia-Towson, MD	59,570	62,402	4.8	52,891	54,502	3.0
Bangor, ME	39,976	42,053	5.2	39,225	40,624	3.6
Barnstable Town, MA	70,777	74,756	5.6	63,899	66,129	3.5
Baton Rouge, LA	45,865	48,042	4.7	47,419	48,815	2.9
Battle Creek, MI	38,608	40,276	4.3	41,408	42,810	3.4
Bay City, MI	40,192	41,722	3.8	44,582	45,456	2.0
Beaumont-Port Arthur, TX	42,728	44,527	4.2	45,535	47,050	3.3
Beckley, WV	36,477	38,717	6.1	45,737	47,088	3.0
Bellingham, WA	46,719	48,792	4.4	44,694	45,368	1.5
Bend, OR	53,033	55,143	4.0	49,614	50,584	2.0
Billings, MT	49,558	52,019	5.0	49,060	51,085	4.1
Binghamton, NY	43,201	44,817	3.7	42,823	43,632	1.9
Birmingham-Hoover, AL	48,618	50,979	4.9	52,288	53,594	2.5
Bismarck, ND	54,507	56,564	3.8	55,362	56,819	2.6
Blacksburg-Christiansburg, VA	36,723	38,538	4.9	39,410	40,334	2.3
Bloomington, IL	47,247	49,180	4.1	48,468	49,787	2.7
Bloomington, IN	40,079	41,947	4.7	41,331	42,648	3.2
Bloomsburg-Berwick, PA	43,692	45,527	4.2	44,412	45,840	3.2
Boise City, ID	44,062	45,973	4.3	45,030	45,819	1.8
Boston-Cambridge-Newton, MA-NH	74,779	78,694	5.2	62,721	64,224	2.4
Boulder, CO	69,298	73,394	5.9	61,284	63,893	4.3
Bowling Green, KY	35,863	36,740	2.4	40,192	40,508	0.8
Bremerton-Silverdale-Port Orchard, WA	52,833	56,244	6.5	46,858	48,617	3.8
Bridgeport-Stamford-Norwalk, CT	112,769	120,630	7.0	92,384	97,556	5.6
Brownsville-Harlingen, TX	27,427	28,756	4.8	31,400	32,301	2.9

Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
Brunswick, GA	39,058	41,092	5.2	42,766	43,547	1.8
Buffalo-Cheektowaga, NY	48,879	50,414	3.1	49,140	49,571	0.9
Burlington, NC	38,141	39,342	3.1	40,568	40,947	0.9
Burlington-South Burlington, VT	55,445	57,575	3.8	49,837	50,753	1.8
California-Lexington Park, MD	54,446	56,820	4.4	52,111	53,980	3.6
Canton-Massillon, OH	42,937	44,767	4.3	46,877	48,304	3.0
Cape Coral-Fort Myers, FL	48,872	51,266	4.9	47,951	48,853	1.9
Cape Girardeau, MO-IL	41,882	43,850	4.7	48,012	48,720	1.5
Carbondale-Marion, IL	38,782	40,701	4.9	44,307	45,514	2.7
Carson City, NV	48,065	50,754	5.6	47,762	48,967	2.5
Casper, WY	62,751	69,379	10.6	62,706	68,202	8.8
Cedar Rapids, IA	49,721	52,168	4.9	53,143	54,960	3.4
Chambersburg-Waynesboro, PA	44,239	46,403	4.9	44,567	45,718	2.6
Champaign-Urbana, IL	43,644	45,975	5.3	44,508	46,468	4.4
Charleston, WV	41,322	44,053	6.6	45,491	47,533	4.5
Charleston-North Charleston, SC	48,769	50,958	4.5	48,140	49,047	1.9
Charlotte-Concord-Gastonia, NC-SC	50,043	52,176	4.3	50,688	51,625	1.8
Charlottesville, VA	63,300	66,577	5.2	60,765	62,630	3.1
Chattanooga, TN-GA	44,198	45,900	3.9	47,475	48,178	1.5
Cheyenne, WY	49,746	52,039	4.6	49,426	51,384	4.0
Chicago-Naperville-Elgin, IL-IN-WI	58,014	61,089	5.3	53,385	55,154	3.3
Chico, CA	42,653	44,346	4.0	40,839	41,464	1.5
Cincinnati, OH-KY-IN	51,729	54,176	4.7	54,572	56,095	2.8
Clarksville, TN-KY	39,426	39,991	1.4	42,076	41,859	-0.5
Cleveland, TN	37,063	38,371	3.5	42,525	42,151	-0.9
Cleveland-Elyria, OH	51,409	53,738	4.5	54,155	55,623	2.7
Coeur d'Alene, ID	43,129	44,987	4.3	43,612	44,345	1.7
College Station-Bryan, TX	37,569	39,533	5.2	38,514	39,635	2.9
Colorado Springs, CO	46,708	48,492	3.8	45,124	45,568	1.0
Columbia, MO	44,916	46,510	3.5	47,698	48,538	1.8
Columbia, SC	43,750	44,906	2.6	45,273	45,596	0.7
Columbus, GA-AL	39,407	41,067	4.2	42,040	43,041	2.4
Columbus, IN	47,987	49,922	4.0	51,469	52,344	1.7
Columbus, OH	49,338	51,165	3.7	50,964	51,871	1.8
Corpus Christi, TX	42,389	44,311	4.5	43,165	44,299	2.6
Corvallis, OR	44,519	47,019	5.6	41,482	42,901	3.4
Crestview-Fort Walton Beach-Destin, FL	49,800	51,655	3.7	50,051	51,038	2.0
Cumberland, MD-WV	38,342	40,049	4.5	42,058	43,363	3.1
Dallas-Fort Worth-Arlington, TX	53,391	55,886	4.7	50,681	51,755	2.1
Dalton, GA	34,984	36,316	3.8	39,661	40,158	1.3
Danville, IL	37,461	39,481	5.4	44,854	46,834	4.4
Daphne-Fairhope-Foley, AL	43,989	45,596	3.7	46,433	47,069	1.4
Davenport-Moline-Rock Island, IA-IL	47,295	49,172	4.0	50,629	51,668	2.1
Dayton-Kettering, OH	45,751	47,687	4.2	49,005	50,339	2.7
Decatur, AL	37,050	38,719	4.5	42,760	43,243	1.1
Decatur, IL	45,425	48,214	6.1	50,784	52,706	3.8
Deltona-Daytona Beach-Ormond Beach, FL	41,165	43,028	4.5	41,019	41,810	1.9
Denver-Aurora-Lakewood, CO	60,604	64,287	6.1	54,743	57,109	4.3
Des Moines-West Des Moines, IA	51,782	54,098	4.5	52,985	54,437	2.7
Detroit-Warren-Dearborn, MI	50,759	53,086	4.6	50,553	51,829	2.5
Dothan, AL	39,194	40,883	4.3	44,694	45,419	1.6

Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
Dover, DE	40,438	42,023	3.9	41,168	42,463	3.1
Dubuque, IA	46,242	49,085	6.1	48,759	51,064	4.7
Duluth, MN-WI	43,835	46,250	5.5	46,713	48,018	2.8
Durham-Chapel Hill, NC	51,158	54,036	5.6	51,394	53,100	3.3
East Stroudsburg, PA	40,393	42,722	5.8	39,735	40,993	3.2
Eau Claire, WI	45,188	47,450	5.0	47,825	49,468	3.4
El Centro, CA	36,537	36,974	1.2	38,382	38,366	0.0
Elizabethtown-Fort Knox, KY	40,922	42,144	3.0	45,866	45,800	-0.1
Elkhart-Goshen, IN	45,451	46,816	3.0	48,460	49,148	1.4
Elmira, NY	42,745	44,373	3.8	42,655	43,325	1.6
El Paso, TX	34,228	35,836	4.7	36,725	37,693	2.6
Enid, OK	42,493	44,465	4.6	44,879	46,203	3.0
Erie, PA	42,308	44,903	6.1	43,531	45,366	4.2
Eugene-Springfield, OR	43,960	45,919	4.5	42,491	43,461	2.3
Evansville, IN-KY	45,436	47,313	4.1	48,758	50,049	2.6
Fairbanks, AK	53,974	56,606	4.9	47,570	49,496	4.0
Fargo, ND-MN	50,639	52,712	4.1	52,713	53,750	2.0
Farmington, NM	33,613	35,453	5.5	35,336	36,283	2.7
Fayetteville, NC	35,245	36,903	4.7	37,848	38,765	2.4
Fayetteville-Springdale-Rogers, AR	62,633	65,306	4.3	66,761	68,546	2.7
Flagstaff, AZ	46,662	48,129	3.1	45,076	45,545	1.0
Flint, MI	39,380	41,068	4.3	41,736	42,657	2.2
Florence, SC	38,644	40,413	4.6	42,501	43,339	2.0
Florence-Muscle Shoals, AL	36,129	37,608	4.1	41,325	42,616	3.1
Fond du Lac, WI	46,203	48,126	4.2	50,543	51,511	1.9
Fort Collins, CO	51,497	54,188	5.2	48,417	49,504	2.2
Fort Smith, AR-OK	36,452	37,800	3.7	41,178	42,184	2.4
Fort Wayne, IN	44,050	46,141	4.7	47,043	48,457	3.0
Fresno, CA	41,137	43,084	4.7	40,610	41,635	2.5
Gadsden, AL	35,542	36,918	3.9	41,346	41,801	1.1
Gainesville, FL	40,958	42,663	4.2	41,616	42,202	1.4
Gainesville, GA	41,856	43,701	4.4	44,630	45,094	1.0
Gettysburg, PA	47,020	49,173	4.6	46,644	47,681	2.2
Glens Falls, NY	45,033	46,411	3.1	44,215	44,576	0.8
Goldsboro, NC	37,309	38,472	3.1	40,820	41,194	0.9
Grand Forks, ND-MN	48,339	50,670	4.8	50,620	51,935	2.6
Grand Island, NE	42,186	43,817	3.9	47,557	48,453	1.9
Grand Junction, CO	42,239	44,935	6.4	42,954	44,905	4.5
Grand Rapids-Kentwood, MI	47,989	50,463	5.2	49,354	51,015	3.4
Grants Pass, OR	39,166	40,977	4.6	39,709	41,013	3.3
Great Falls, MT	45,291	47,518	4.9	46,792	47,927	2.4
Greeley, CO	44,173	46,172	4.5	42,844	44,087	2.9
Green Bay, WI	49,262	51,553	4.7	52,037	53,488	2.8
Greensboro-High Point, NC	41,701	43,189	3.6	44,107	44,813	1.6
Greenville, NC	39,873	41,191	3.3	43,205	44,084	2.0
Greenville-Anderson, SC	42,650	44,213	3.7	45,037	45,594	1.2
Gulfport-Biloxi, MS	35,672	36,878	3.4	38,635	39,201	1.5
Hagerstown-Martinsburg, MD-WV	42,144	43,897	4.2	40,813	41,771	2.3
Hammond, LA	37,474	38,974	4.0	41,474	42,366	2.2
Hanford-Corcoran, CA	34,323	35,306	2.9	34,251	34,541	0.8
Harrisburg-Carlisle, PA	49,987	52,354	4.7	49,220	50,494	2.6

Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
Harrisonburg, VA	38,469	39,721	3.3	40,983	40,982	0.0
Hartford-East Hartford-Middletown, CT	61,464	64,337	4.7	57,100	58,731	2.9
Hattiesburg, MS	37,066	38,648	4.3	42,886	42,865	0.0
Hickory-Lenoir-Morganton, NC	38,119	39,849	4.5	41,636	42,424	1.9
Hilton Head Island-Bluffton, SC	50,351	53,056	5.4	50,188	52,051	3.7
Hinesville, GA	32,322	33,744	4.4	34,251	34,452	0.6
Homosassa Springs, FL	36,614	37,920	3.6	39,777	39,966	0.5
Hot Springs, AR	38,629	40,004	3.6	42,779	43,613	1.9
Houma-Thibodaux, LA	41,605	44,127	6.1	44,116	46,112	4.5
Houston-The Woodlands-Sugar Land, TX	53,479	56,077	4.9	50,004	51,336	2.7
Huntington-Ashland, WV-KY-OH	37,901	40,299	6.3	41,948	43,810	4.4
Huntsville, AL	47,442	49,595	4.5	50,598	51,839	2.5
Idaho Falls, ID	43,646	45,477	4.2	45,417	46,455	2.3
Indianapolis-Carmel-Anderson, IN	52,221	54,179	3.7	54,166	55,127	1.8
Iowa City, IA	50,819	53,280	4.8	51,353	53,026	3.3
Ithaca, NY	43,466	45,282	4.2	38,824	39,862	2.7
Jackson, MI	38,031	39,832	4.7	40,912	42,196	3.1
Jackson, MS	42,035	43,772	4.1	44,953	45,727	1.7
Jackson, TN	38,565	40,226	4.3	45,346	46,282	2.1
Jacksonville, FL	47,830	49,754	4.0	47,598	48,572	2.0
Jacksonville, NC	44,836	46,142	2.9	46,026	46,676	1.4
Janesville-Beloit, WI	42,189	44,204	4.8	44,613	45,823	2.7
Jefferson City, MO	42,259	43,802	3.7	49,100	49,987	1.8
Johnson City, TN	38,673	40,360	4.4	42,421	43,764	3.2
Johnstown, PA	40,721	43,420	6.6	44,762	46,876	4.7
Jonesboro, AR	35,330	36,588	3.6	40,921	40,951	0.1
Joplin, MO	38,856	39,765	2.3	42,720	43,535	1.9
Kahului-Wailuku-Lahaina, HI	47,322	49,040	3.6	40,817	41,739	2.3
Kalamazoo-Portage, MI	46,675	48,723	4.4	48,995	50,247	2.6
Kankakee, IL	39,602	41,290	4.3	40,053	41,164	2.8
Kansas City, MO-KS	51,717	53,788	4.0	52,917	53,984	2.0
Kennewick-Richland, WA	43,064	44,256	2.8	42,146	42,387	0.6
Killeen-Temple, TX	40,717	41,634	2.3	42,772	43,053	0.7
Kingsport-Bristol, TN-VA	38,369	40,042	4.4	43,018	43,965	2.2
Kingston, NY	48,508	50,462	4.0	44,632	45,538	2.0
Knoxville, TN	43,770	45,739	4.5	47,197	48,074	1.9
Kokomo, IN	39,916	41,842	4.8	44,012	45,420	3.2
La Crosse-Onalaska, WI-MN	48,094	50,412	4.8	49,950	51,409	2.9
Lafayette, LA	41,832	44,273	5.8	45,763	47,673	4.2
Lafayette-West Lafayette, IN	37,534	39,969	6.5	39,366	41,455	5.3
Lake Charles, LA	46,206	49,011	6.1	49,360	51,402	4.1
Lake Havasu City-Kingman, AZ	31,742	33,148	4.4	33,471	34,318	2.5
Lakeland-Winter Haven, FL	34,591	35,463	2.5	35,315	35,453	0.4
Lancaster, PA	49,961	52,664	5.4	47,784	49,612	3.8
Lansing-East Lansing, MI	39,981	41,812	4.6	41,603	42,733	2.7
Laredo, TX	30,153	31,635	4.9	32,554	33,759	3.7
Las Cruces, NM	35,144	36,570	4.1	37,718	39,062	3.6
Las Vegas-Henderson-Paradise, NV	45,087	47,090	4.4	44,483	45,342	1.9
Lawrence, KS	41,899	43,642	4.2	43,697	44,244	1.3
Lawton, OK	39,614	41,509	4.8	42,282	43,627	3.2
Lebanon, PA	46,194	48,352	4.7	46,048	46,928	1.9

Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
Lewiston, ID-WA	43,771	45,368	3.6	45,868	46,745	1.9
Lewiston-Auburn, ME	39,600	41,528	4.9	39,367	40,537	3.0
Lexington-Fayette, KY	46,387	47,875	3.2	48,840	49,265	0.9
Lima, OH	40,712	42,816	5.2	45,329	47,404	4.6
Lincoln, NE	47,575	49,886	4.9	49,600	51,035	2.9
Little Rock-North Little Rock-Conway, AR	43,901	45,512	3.7	46,344	47,562	2.6
Logan, UT-ID	37,269	38,690	3.8	38,766	39,497	1.9
Longview, TX	39,526	41,630	5.3	41,521	43,219	4.1
Longview, WA	43,046	44,990	4.5	43,044	44,243	2.8
Los Angeles-Long Beach-Anaheim, CA	60,649	63,913	5.4	49,389	50,866	3.0
Louisville/Jefferson County, KY-IN	48,163	50,101	4.0	50,829	51,788	1.9
Lubbock, TX	40,416	42,181	4.4	41,457	42,688	3.0
Lynchburg, VA	38,720	40,374	4.3	41,016	42,137	2.7
Macon-Bibb County, GA	39,399	41,066	4.2	43,197	43,870	1.6
Madera, CA	38,062	39,897	4.8	38,137	39,539	3.7
Madison, WI	56,695	59,371	4.7	55,841	57,312	2.6
Manchester-Nashua, NH	58,305	61,147	4.9	51,046	52,802	3.4
Manhattan, KS	44,212	46,008	4.1	45,788	47,234	3.2
Mankato, MN	44,871	46,141	2.8	46,992	47,233	0.5
Mansfield, OH	37,865	39,234	3.6	41,942	43,133	2.8
McAllen-Edinburg-Mission, TX	25,451	26,410	3.8	29,002	29,769	2.6
Medford, OR	44,533	46,603	4.6	43,503	44,628	2.6
Memphis, TN-MS-AR	44,655	46,620	4.4	47,020	48,165	2.4
Merced, CA	38,037	38,519	1.3	38,284	37,785	-1.3
Miami-Fort Lauderdale-Pompano Beach, FL	54,409	57,228	5.2	47,256	48,550	2.7
Michigan City-La Porte, IN	40,561	42,527	4.8	45,758	46,748	2.2
Midland, MI	58,229	60,467	3.8	61,037	62,195	1.9
Midland, TX	108,595	122,247	12.6	103,592	114,759	10.8
Milwaukee-Waukesha, WI	54,216	57,005	5.1	54,113	56,024	3.5
Minneapolis-St. Paul-Bloomington, MN-WI	60,167	62,889	4.5	55,719	57,123	2.5
Missoula, MT	47,086	49,492	5.1	47,015	48,568	3.3
Mobile, AL	36,705	38,170	4.0	40,514	41,403	2.2
Modesto, CA	42,354	44,120	4.2	40,797	41,354	1.4
Monroe, LA	38,726	40,482	4.5	44,017	44,798	1.8
Monroe, MI	45,498	47,496	4.4	46,923	48,305	2.9
Montgomery, AL	41,592	42,943	3.2	44,809	45,378	1.3
Morgantown, WV	40,728	42,509	4.4	42,420	44,064	3.9
Morristown, TN	34,280	35,829	4.5	40,365	40,718	0.9
Mount Vernon-Anacortes, WA	50,119	53,060	5.9	47,638	49,250	3.4
Muncie, IN	35,713	37,201	4.2	39,574	40,239	1.7
Muskegon, MI	37,207	39,072	5.0	40,718	41,851	2.8
Myrtle Beach-Conway-North Myrtle Beach, SC-NC	37,565	38,700	3.0	38,734	39,253	1.3
Napa, CA	69,791	74,984	7.4	54,110	57,274	5.8
Naples-Marco Island, FL	87,092	92,686	6.4	81,294	84,963	4.5
Nashville-Davidson--Murfreesboro--Franklin, TN	55,382	57,953	4.6	55,777	56,933	2.1
New Bern, NC	41,547	43,257	4.1	46,847	47,957	2.4
New Haven-Milford, CT	53,605	56,650	5.7	46,836	48,772	4.1
New Orleans-Metairie, LA	49,799	52,431	5.3	50,069	51,954	3.8
New York-Newark-Jersey City, NY-NJ-PA	72,951	76,681	5.1	56,157	57,604	2.6
Niles, MI	45,651	47,430	3.9	49,300	50,729	2.9
North Port-Sarasota-Bradenton, FL	53,730	56,462	5.1	51,037	52,356	2.6

Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
Norwich-New London, CT	56,545	59,264	4.8	52,500	53,999	2.9
Ocala, FL	35,719	36,997	3.6	37,462	37,849	1.0
Ocean City, NJ	57,976	60,877	5.0	53,465	54,999	2.9
Odessa, TX	42,548	47,271	11.1	42,522	46,593	9.6
Ogden-Clearfield, UT	41,795	43,988	5.2	42,532	43,501	2.3
Oklahoma City, OK	45,951	48,571	5.7	48,071	49,904	3.8
Olympia-Lacey-Tumwater, WA	48,820	51,684	5.9	43,346	44,605	2.9
Omaha-Council Bluffs, NE-IA	55,229	58,037	5.1	56,926	58,736	3.2
Orlando-Kissimmee-Sanford, FL	41,748	43,491	4.2	40,303	41,059	1.9
Oshkosh-Neenah, WI	46,131	48,101	4.3	48,640	49,957	2.7
Owensboro, KY	40,016	41,387	3.4	43,559	43,968	0.9
Oxnard-Thousand Oaks-Ventura, CA	58,761	61,712	5.0	47,504	49,111	3.4
Palm Bay-Melbourne-Titusville, FL	43,371	45,425	4.7	42,938	43,962	2.4
Panama City, FL	41,499	43,231	4.2	41,689	42,528	2.0
Parkersburg-Vienna, WV	39,010	41,988	7.6	42,102	44,554	5.8
Pensacola-Ferry Pass-Brent, FL	41,592	43,259	4.0	42,761	43,623	2.0
Peoria, IL	45,851	48,870	6.6	49,180	51,750	5.2
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	61,094	64,440	5.5	55,197	57,001	3.3
Phoenix-Mesa-Chandler, AZ	44,208	46,125	4.3	43,050	43,842	1.8
Pine Bluff, AR	33,224	34,554	4.0	38,424	39,546	2.9
Pittsburgh, PA	54,471	58,072	6.6	55,443	58,117	4.8
Pittsfield, MA	54,135	56,503	4.4	52,375	53,501	2.1
Pocatello, ID	36,884	38,038	3.1	39,772	40,496	1.8
Portland-South Portland, ME	54,914	57,751	5.2	50,764	52,144	2.7
Portland-Vancouver-Hillsboro, OR-WA	54,014	56,991	5.5	49,916	51,187	2.5
Port St. Lucie, FL	51,824	54,228	4.6	50,684	51,586	1.8
Poughkeepsie-Newburgh-Middletown, NY	51,658	53,811	4.2	41,983	42,822	2.0
Prescott Valley-Prescott, AZ	38,381	40,312	5.0	38,145	39,515	3.6
Providence-Warwick, RI-MA	52,147	54,585	4.7	49,461	50,949	3.0
Provo-Orem, UT	38,802	40,831	5.2	38,515	39,507	2.6
Pueblo, CO	37,540	39,511	5.3	39,528	40,891	3.4
Punta Gorda, FL	39,868	41,564	4.3	39,616	40,196	1.5
Racine, WI	47,419	49,749	4.9	48,441	50,180	3.6
Raleigh-Cary, NC	52,219	55,045	5.4	51,514	53,095	3.1
Rapid City, SD	47,885	49,681	3.8	50,551	51,952	2.8
Reading, PA	47,412	49,945	5.3	46,872	48,349	3.2
Redding, CA	44,480	46,582	4.7	43,581	44,744	2.7
Reno, NV	56,120	59,639	6.3	54,673	56,544	3.4
Richmond, VA	55,282	57,301	3.7	54,578	55,553	1.8
Riverside-San Bernardino-Ontario, CA	38,821	40,486	4.3	34,614	35,256	1.9
Roanoke, VA	45,076	46,963	4.2	47,463	48,352	1.9
Rochester, MN	51,971	55,323	6.4	53,026	55,252	4.2
Rochester, NY	49,625	51,167	3.1	48,244	48,841	1.2
Rockford, IL	42,121	44,328	5.2	45,392	47,176	3.9
Rocky Mount, NC	37,764	39,498	4.6	42,300	43,502	2.8
Rome, GA	37,003	38,524	4.1	43,079	43,370	0.7
Sacramento-Roseville-Folsom, CA	54,010	56,278	4.2	50,003	50,616	1.2
Saginaw, MI	37,286	38,754	3.9	40,547	41,498	2.3
St. Cloud, MN	44,679	46,513	4.1	46,837	47,681	1.8
St. George, UT	36,809	38,847	5.5	36,987	38,262	3.4
St. Joseph, MO-KS	37,934	39,253	3.5	41,935	42,895	2.3

Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
St. Louis, MO-IL	52,944	55,883	5.6	55,097	57,243	3.9
Salem, OR	40,811	42,714	4.7	39,927	40,686	1.9
Salinas, CA	53,989	56,193	4.1	47,052	47,745	1.5
Salisbury, MD-DE	46,722	48,296	3.4	49,844	50,655	1.6
Salt Lake City, UT	49,048	51,736	5.5	47,603	48,860	2.6
San Angelo, TX	43,896	46,406	5.7	45,041	47,024	4.4
San Antonio-New Braunfels, TX	44,874	46,995	4.7	45,467	46,645	2.6
San Diego-Chula Vista-Carlsbad, CA	58,097	61,386	5.7	47,354	49,143	3.8
San Francisco-Oakland-Berkeley, CA	92,638	99,424	7.3	68,042	70,399	3.5
San Jose-Sunnyvale-Santa Clara, CA	98,690	106,213	7.6	72,131	76,500	6.1
San Luis Obispo-Paso Robles, CA	55,635	58,491	5.1	48,900	50,164	2.6
Santa Cruz-Watsonville, CA	64,901	69,355	6.9	48,758	51,502	5.6
Santa Fe, NM	55,273	58,510	5.9	53,892	55,746	3.4
Santa Maria-Santa Barbara, CA	59,633	62,690	5.1	51,373	52,542	2.3
Santa Rosa-Petaluma, CA	60,170	64,501	7.2	46,661	49,093	5.2
Savannah, GA	44,755	47,144	5.3	45,228	46,555	2.9
Scranton-Wilkes-Barre, PA	43,905	46,175	5.2	45,232	46,779	3.4
Seattle-Tacoma-Bellevue, WA	69,913	74,620	6.7	59,376	61,585	3.7
Sebastian-Vero Beach, FL	72,149	76,059	5.4	74,296	76,478	2.9
Sebring-Avon Park, FL	32,922	33,453	1.6	37,311	36,408	-2.4
Sheboygan, WI	50,722	52,851	4.2	53,875	55,500	3.0
Sherman-Denison, TX	40,662	42,195	3.8	42,394	43,091	1.6
Shreveport-Bossier City, LA	43,808	46,509	6.2	47,086	49,163	4.4
Sierra Vista-Douglas, AZ	39,165	40,308	2.9	42,073	42,327	0.6
Sioux City, IA-NE-SD	48,058	50,586	5.3	51,748	53,222	2.8
Sioux Falls, SD	57,299	59,520	3.9	59,675	60,748	1.8
South Bend-Mishawaka, IN-MI	45,624	47,244	3.6	49,413	50,038	1.3
Spartanburg, SC	41,783	43,148	3.3	44,211	44,929	1.6
Spokane-Spokane Valley, WA	44,006	45,903	4.3	43,806	44,670	2.0
Springfield, IL	46,056	48,793	5.9	48,898	50,552	3.4
Springfield, MA	50,057	51,953	3.8	48,471	49,755	2.6
Springfield, MO	40,306	41,780	3.7	44,128	45,108	2.2
Springfield, OH	39,235	40,769	3.9	43,210	44,388	2.7
State College, PA	44,527	46,193	3.7	41,393	42,454	2.6
Staunton, VA	42,622	44,316	4.0	47,572	48,019	0.9
Stockton, CA	42,391	44,995	6.1	40,277	41,647	3.4
Sumter, SC	35,768	37,304	4.3	39,163	40,753	4.1
Syracuse, NY	48,009	49,736	3.6	47,170	48,040	1.8
Tallahassee, FL	40,605	42,601	4.9	41,290	42,524	3.0
Tampa-St. Petersburg-Clearwater, FL	45,313	47,240	4.3	43,809	44,484	1.5
Terre Haute, IN	36,789	38,299	4.1	40,373	41,390	2.5
Texarkana, TX-AR	36,485	37,607	3.1	39,937	40,694	1.9
The Villages, FL	44,097	46,100	4.5	44,879	45,678	1.8
Toledo, OH	44,668	46,868	4.9	48,667	50,339	3.4
Topeka, KS	43,758	46,017	5.2	46,986	48,464	3.1
Trenton-Princeton, NJ	65,877	69,344	5.3	57,357	59,494	3.7
Tucson, AZ	42,133	44,028	4.5	42,629	43,692	2.5
Tulsa, OK	51,134	54,866	7.3	54,085	57,091	5.6
Tuscaloosa, AL	36,396	37,983	4.4	39,684	40,632	2.4
Twin Falls, ID	37,897	39,309	3.7	39,715	40,797	2.7
Tyler, TX	52,034	55,229	6.1	52,996	55,560	4.8



Table 5. Real Per Capita Personal Income by Metropolitan Area, 2017-2018

	Per capita personal income [Dollars]			Real per capita personal income [Chained (2012) dollars]		
	2017	2018	Percent change	2017	2018	Percent change
Urban Honolulu, HI	57,049	59,608	4.5	43,641	44,755	2.6
Utica-Rome, NY	42,790	44,036	2.9	43,659	44,029	0.8
Valdosta, GA	34,613	36,217	4.6	40,132	40,516	1.0
Vallejo, CA	48,364	51,664	6.8	38,587	40,301	4.4
Victoria, TX	43,469	45,968	5.7	44,387	46,104	3.9
Vineland-Bridgeton, NJ	38,630	40,289	4.3	37,641	38,118	1.3
Virginia Beach-Norfolk-Newport News, VA-NC	48,485	50,619	4.4	47,306	48,629	2.8
Visalia, CA	39,018	40,420	3.6	39,229	40,004	2.0
Waco, TX	39,182	40,831	4.2	41,096	42,410	3.2
Walla Walla, WA	44,178	46,144	4.5	43,344	44,592	2.9
Warner Robins, GA	40,517	41,944	3.5	43,317	43,873	1.3
Washington-Arlington-Alexandria, DC-VA-MD-WV	69,298	72,483	4.6	56,100	57,359	2.2
Waterloo-Cedar Falls, IA	43,591	46,063	5.7	46,067	47,919	4.0
Watertown-Fort Drum, NY	45,476	46,924	3.2	43,846	44,545	1.6
Wausau-Weston, WI	47,260	49,373	4.5	50,222	51,650	2.8
Weirton-Steubenville, WV-OH	38,472	40,472	5.2	43,455	44,854	3.2
Wenatchee, WA	48,045	50,021	4.1	46,686	47,085	0.9
Wheeling, WV-OH	45,613	48,881	7.2	50,751	53,578	5.6
Wichita, KS	48,818	51,854	6.2	52,118	54,536	4.6
Wichita Falls, TX	41,395	43,527	5.2	44,464	46,306	4.1
Williamsport, PA	41,587	43,823	5.4	42,723	44,306	3.7
Wilmington, NC	41,953	43,311	3.2	42,932	43,119	0.4
Winchester, VA-WV	46,303	48,174	4.0	47,486	48,340	1.8
Winston-Salem, NC	43,306	44,850	3.6	46,324	47,079	1.6
Worcester, MA-CT	53,273	55,801	4.7	48,797	50,366	3.2
Yakima, WA	41,868	43,379	3.6	42,642	43,250	1.4
York-Hanover, PA	47,835	50,113	4.8	47,235	48,422	2.5
Youngstown-Warren-Boardman, OH-PA	40,496	42,443	4.8	44,588	45,928	3.0
Yuba City, CA	41,270	42,925	4.0	40,387	41,489	2.7
Yuma, AZ	35,049	35,682	1.8	37,254	37,423	0.5
Maximum	112,769	122,247	12.6	103,592	114,759	10.8
Minimum	25,451	26,410	1.2	29,002	29,769	-2.4
Range	87,318	95,837	11.4	74,590	84,990	13.2

Source: U.S. Bureau of Economic Analysis

Note: Per capita personal income uses Census Bureau midyear population estimates available as of March 2019.

Table 6. Regional Price Parities by Metropolitan Area, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
United States <sup>1</sup>	100.0	98.9	101.9	100.0
United States nonmetropolitan portion	87.2	94.7	62.5	93.7
<b>Metropolitan Statistical Areas</b>				
Abilene, TX	91.4	96.8	81.6	92.6
Akron, OH	90.1	95.9	76.7	91.9
Albany, GA	82.9	96.8	52.9	94.6
Albany-Lebanon, OR	96.6	101.5	89.8	95.8
Albany-Schenectady-Troy, NY	99.9	98.7	102.4	99.9
Albuquerque, NM	94.2	93.6	87.7	100.3
Alexandria, LA	86.2	97.0	63.6	92.6
Allentown-Bethlehem-Easton, PA-NJ	99.8	99.0	98.1	101.7
Altoona, PA	90.5	98.7	64.9	99.9
Amarillo, TX	92.2	97.2	83.1	92.6
Ames, IA	91.5	93.4	90.1	90.4
Anchorage, AK	107.1	101.5	134.1	99.5
Ann Arbor, MI	101.2	98.4	115.5	96.8
Anniston-Oxford, AL	83.1	97.5	52.2	91.8
Appleton, WI	89.8	96.0	74.1	91.5
Asheville, NC	93.4	95.9	87.9	94.7
Athens-Clarke County, GA	91.3	97.3	77.5	94.6
Atlanta-Sandy Springs-Alpharetta, GA	97.3	98.7	95.9	96.8
Atlantic City-Hammonton, NJ	100.3	100.9	93.4	104.0
Auburn-Opelika, AL	85.4	92.0	70.4	91.6
Augusta-Richmond County, GA-SC	88.9	97.1	69.5	94.6
Austin-Round Rock-Georgetown, TX	100.2	97.4	120.6	92.6
Bakersfield, CA	96.4	96.3	89.4	102.0
Baltimore-Columbia-Towson, MD	106.7	103.1	113.7	104.9
Bangor, ME	96.5	98.7	85.5	102.6
Barnstable Town, MA	105.4	98.7	122.4	102.6
Baton Rouge, LA	91.7	96.3	83.4	92.6
Battle Creek, MI	87.7	96.0	69.2	91.5
Bay City, MI	85.6	96.0	60.6	91.5
Beaumont-Port Arthur, TX	88.2	97.4	67.7	92.6
Beckley, WV	76.6	92.1	45.8	94.5
Bellingham, WA	100.3	96.3	105.2	102.0
Bend, OR	101.6	101.5	110.1	95.8
Billings, MT	94.9	94.2	89.4	99.5
Binghamton, NY	95.7	98.7	84.7	99.9
Birmingham-Hoover, AL	88.7	97.3	69.1	91.8
Bismarck, ND	92.8	95.3	88.2	92.3
Blacksburg-Christiansburg, VA	89.1	92.1	79.1	94.6
Bloomington, IL	92.1	96.0	85.2	91.5
Bloomington, IN	91.7	95.9	85.8	91.4
Bloomsburg-Berwick, PA	92.6	98.7	71.7	99.9
Boise City, ID	93.5	93.7	84.4	100.1
Boston-Cambridge-Newton, MA-NH	114.2	102.8	142.1	110.3
Boulder, CO	107.1	97.9	147.3	97.2
Bowling Green, KY	84.5	91.8	63.1	91.8
Bremerton-Silverdale-Port Orchard, WA	107.8	106.8	115.8	104.3
Bridgeport-Stamford-Norwalk, CT	115.3	107.5	138.9	111.6
Brownsville-Harlingen, TX	83.0	97.4	56.9	92.6
Brunswick, GA	88.0	92.1	75.1	94.5
Buffalo-Cheektowaga, NY	94.8	98.7	79.2	99.9
Burlington, NC	89.6	97.5	70.4	94.6
Burlington-South Burlington, VT	105.7	98.7	124.2	102.6
California-Lexington Park, MD	98.1	92.1	113.4	94.6
Canton-Massillon, OH	86.4	96.0	62.1	91.5
Cape Coral-Fort Myers, FL	97.8	97.5	103.6	94.6

Table 6. Regional Price Parities by Metropolitan Area, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
Cape Girardeau, MO-IL	83.9	93.4	64.9	90.4
Carbondale-Marion, IL	83.4	94.3	61.9	89.7
Carson City, NV	96.6	98.8	96.9	93.6
Casper, WY	94.8	93.5	89.5	100.4
Cedar Rapids, IA	88.5	95.1	70.1	92.1
Chambersburg-Waynesboro, PA	94.6	98.7	78.8	99.9
Champaign-Urbana, IL	92.2	95.9	87.1	91.4
Charleston, WV	86.4	95.7	58.5	94.7
Charleston-North Charleston, SC	96.8	97.5	99.2	94.6
Charlotte-Concord-Gastonia, NC-SC	94.2	97.1	88.0	94.6
Charlottesville, VA	99.1	97.3	112.7	94.6
Chattanooga, TN-GA	88.8	97.2	70.9	91.8
Cheyenne, WY	94.4	93.5	88.1	100.4
Chicago-Naperville-Elgin, IL-IN-WI	103.2	99.5	113.2	101.8
Chico, CA	99.7	96.3	102.7	102.0
Cincinnati, OH-KY-IN	90.0	95.5	78.5	91.1
Clarksville, TN-KY	89.1	97.1	74.5	91.8
Cleveland, TN	84.9	92.0	67.0	91.6
Cleveland-Elyria, OH	90.1	95.9	77.0	91.9
Coeur d'Alene, ID	94.6	98.8	89.1	93.6
College Station-Bryan, TX	93.0	96.9	88.0	92.6
Colorado Springs, CO	99.2	93.7	108.5	100.2
Columbia, MO	89.3	95.2	74.6	92.2
Columbia, SC	91.8	97.0	79.2	94.6
Columbus, GA-AL	88.9	97.1	70.3	94.7
Columbus, IN	88.9	94.2	80.0	89.5
Columbus, OH	91.9	95.9	84.7	91.4
Corpus Christi, TX	93.2	97.4	87.6	92.6
Corvallis, OR	102.2	101.5	112.5	95.8
Crestview-Fort Walton Beach-Destin, FL	94.3	94.8	92.6	94.8
Cumberland, MD-WV	86.1	97.5	60.5	94.6
Dallas-Fort Worth-Arlington, TX	100.7	98.8	108.2	98.4
Dalton, GA	84.3	92.1	62.6	94.5
Danville, IL	78.6	94.2	52.1	89.5
Daphne-Fairhope-Foley, AL	90.3	97.5	80.2	91.8
Davenport-Moline-Rock Island, IA-IL	88.7	95.2	71.6	92.3
Dayton-Kettering, OH	88.3	96.0	70.1	91.5
Decatur, AL	83.5	97.5	52.2	91.8
Decatur, IL	85.3	96.0	59.2	91.5
Deltona-Daytona Beach-Ormond Beach, FL	95.9	97.5	95.4	94.6
Denver-Aurora-Lakewood, CO	104.9	98.9	136.8	96.1
Des Moines-West Des Moines, IA	92.6	95.2	87.8	92.2
Detroit-Warren-Dearborn, MI	95.5	98.6	85.8	97.7
Dothan, AL	83.9	96.4	56.2	91.8
Dover, DE	92.2	97.5	81.4	94.6
Dubuque, IA	89.6	95.3	74.4	92.3
Duluth, MN-WI	89.8	95.1	77.4	92.1
Durham-Chapel Hill, NC	94.9	96.5	91.7	94.7
East Stroudsburg, PA	97.1	98.7	90.5	99.9
Eau Claire, WI	89.4	96.0	74.3	91.5
El Centro, CA	89.8	101.5	69.0	95.8
Elizabethtown-Fort Knox, KY	85.8	92.0	71.3	91.6
Elkhart-Goshen, IN	88.8	96.0	71.3	91.5
Elmira, NY	95.5	98.7	83.1	99.9
El Paso, TX	88.6	97.4	73.8	92.6
Enid, OK	89.7	97.4	73.5	92.6
Erie, PA	92.3	98.7	71.3	99.9
Eugene-Springfield, OR	98.5	96.3	97.7	102.0

Table 6. Regional Price Parities by Metropolitan Area, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
Evansville, IN-KY	88.1	96.0	68.1	91.5
Fairbanks, AK	106.6	100.8	141.8	95.1
Fargo, ND-MN	91.4	95.3	82.6	92.3
Farmington, NM	91.1	98.8	74.9	93.6
Fayetteville, NC	88.7	96.1	73.4	94.7
Fayetteville-Springdale-Rogers, AR	88.8	97.3	69.5	92.6
Flagstaff, AZ	98.5	98.8	104.8	93.6
Flint, MI	89.7	98.4	66.6	96.8
Florence, SC	86.9	96.3	62.0	94.7
Florence-Muscle Shoals, AL	82.3	97.5	48.8	91.8
Fond du Lac, WI	87.1	94.2	72.9	89.5
Fort Collins, CO	102.0	93.5	123.3	100.4
Fort Smith, AR-OK	83.5	97.2	55.0	92.6
Fort Wayne, IN	88.8	96.0	70.7	91.5
Fresno, CA	96.5	96.3	89.4	102.0
Gadsden, AL	82.3	97.5	49.8	91.8
Gainesville, FL	94.2	96.1	90.3	94.7
Gainesville, GA	90.3	92.1	82.2	94.5
Gettysburg, PA	96.1	98.7	85.7	99.9
Glens Falls, NY	97.1	98.7	89.4	99.9
Goldsboro, NC	87.1	97.5	62.7	94.6
Grand Forks, ND-MN	90.9	95.3	81.4	92.3
Grand Island, NE	84.3	93.4	63.3	90.4
Grand Junction, CO	93.3	98.8	85.1	93.6
Grand Rapids-Kentwood, MI	92.2	95.8	86.2	91.4
Grants Pass, OR	93.1	101.5	79.1	95.8
Great Falls, MT	92.4	93.5	80.0	100.4
Greeley, CO	97.6	97.9	97.8	97.2
Green Bay, WI	89.8	95.8	76.1	91.3
Greensboro-High Point, NC	89.8	97.1	71.1	94.6
Greenville, NC	87.1	97.5	65.1	94.6
Greenville-Anderson, SC	90.4	97.3	73.2	94.6
Gulfport-Biloxi, MS	87.7	97.3	69.8	91.8
Hagerstown-Martinsburg, MD-WV	98.0	101.2	80.5	107.9
Hammond, LA	85.8	92.0	71.3	92.2
Hanford-Corcoran, CA	95.3	101.5	85.0	95.8
Harrisburg-Carlisle, PA	96.6	98.7	87.4	99.9
Harrisonburg, VA	90.3	92.1	83.0	94.6
Hartford-East Hartford-Middletown, CT	102.1	98.9	107.1	102.8
Hattiesburg, MS	84.0	91.9	64.6	91.7
Hickory-Lenoir-Morganton, NC	87.6	97.5	61.7	94.6
Hilton Head Island-Bluffton, SC	95.0	92.1	99.8	94.6
Hinesville, GA	91.3	92.1	87.4	94.6
Homosassa Springs, FL	88.4	92.1	78.5	94.6
Hot Springs, AR	85.5	92.0	70.9	92.2
Houma-Thibodaux, LA	89.2	97.4	72.4	92.6
Houston-The Woodlands-Sugar Land, TX	101.8	95.5	104.5	107.2
Huntington-Ashland, WV-KY-OH	85.7	96.8	56.9	94.5
Huntsville, AL	89.2	97.5	69.2	91.8
Idaho Falls, ID	91.3	98.8	75.8	93.6
Indianapolis-Carmel-Anderson, IN	91.6	96.0	83.5	91.5
Iowa City, IA	93.7	95.1	93.4	92.2
Ithaca, NY	105.9	98.7	132.1	99.9
Jackson, MI	88.0	96.0	68.8	91.5
Jackson, MS	89.2	96.9	72.8	91.8
Jackson, TN	81.0	91.9	56.1	91.7
Jacksonville, FL	95.5	97.5	93.5	94.6
Jacksonville, NC	92.1	97.5	82.7	94.6

Table 6. Regional Price Parities by Metropolitan Area, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
Janesville-Beloit, WI	89.9	96.0	76.3	91.5
Jefferson City, MO	81.7	93.4	55.3	90.4
Johnson City, TN	86.0	97.5	61.3	91.8
Johnstown, PA	86.3	98.7	51.2	100.0
Jonesboro, AR	83.3	92.0	64.0	92.2
Joplin, MO	85.1	95.3	58.5	92.3
Kahului-Wailuku-Lahaina, HI	109.5	102.9	138.3	96.6
Kalamazoo-Portage, MI	90.4	96.0	78.7	91.5
Kankakee, IL	93.5	98.4	76.6	100.3
Kansas City, MO-KS	92.9	95.8	82.6	95.6
Kennewick-Richland, WA	97.3	96.3	92.3	102.0
Killeen-Temple, TX	90.1	97.2	77.5	92.6
Kingsport-Bristol, TN-VA	84.9	97.5	56.7	92.4
Kingston, NY	103.3	98.7	118.7	99.9
Knoxville, TN	88.7	96.9	70.1	91.8
Kokomo, IN	85.9	96.0	61.2	91.5
La Crosse-Onalaska, WI-MN	91.4	96.0	82.7	91.5
Lafayette, LA	86.6	96.4	65.3	92.6
Lafayette-West Lafayette, IN	89.9	95.7	77.8	91.3
Lake Charles, LA	88.9	97.3	71.2	92.6
Lake Havasu City-Kingman, AZ	90.0	93.5	73.4	100.4
Lakeland-Winter Haven, FL	93.2	97.5	85.0	94.6
Lancaster, PA	98.9	98.7	97.7	99.9
Lansing-East Lansing, MI	91.2	95.9	82.2	91.4
Laredo, TX	87.4	97.4	68.6	92.6
Las Cruces, NM	87.3	93.5	65.9	100.4
Las Vegas-Henderson-Paradise, NV	96.8	93.5	98.0	100.4
Lawrence, KS	91.9	95.3	85.2	92.3
Lawton, OK	88.7	96.8	71.6	92.6
Lebanon, PA	96.0	98.7	84.8	99.9
Lewiston, ID-WA	90.5	98.8	73.2	93.6
Lewiston-Auburn, ME	95.5	98.7	80.9	102.6
Lexington-Fayette, KY	90.6	97.5	76.1	91.8
Lima, OH	84.2	96.0	56.1	91.5
Lincoln, NE	91.1	95.2	81.3	92.3
Little Rock-North Little Rock-Conway, AR	89.2	97.3	71.8	92.6
Logan, UT-ID	91.3	98.8	76.9	93.6
Longview, TX	89.8	96.7	75.1	92.6
Longview, WA	94.8	101.5	83.2	95.8
Los Angeles-Long Beach-Anaheim, CA	117.1	104.7	167.4	105.3
Louisville/Jefferson County, KY-IN	90.2	97.2	75.0	91.8
Lubbock, TX	92.1	97.1	83.6	92.6
Lynchburg, VA	89.3	97.3	69.4	94.6
Macon-Bibb County, GA	87.3	96.7	63.4	94.6
Madera, CA	94.1	96.3	81.0	102.0
Madison, WI	96.6	95.8	108.9	91.3
Manchester-Nashua, NH	107.9	101.9	119.8	107.0
Manhattan, KS	90.8	93.4	87.8	90.4
Mankato, MN	91.1	93.4	88.4	90.4
Mansfield, OH	84.8	96.0	57.5	91.5
McAllen-Edinburg-Mission, TX	82.7	97.4	56.1	92.6
Medford, OR	97.3	96.3	93.2	102.0
Memphis, TN-MS-AR	90.2	97.3	76.0	91.8
Merced, CA	95.0	96.3	83.6	102.0
Miami-Fort Lauderdale-Pompano Beach, FL	109.9	102.6	130.5	103.4
Michigan City-La Porte, IN	84.8	94.2	66.5	89.5
Midland, MI	90.6	96.0	78.4	91.5
Midland, TX	99.3	97.1	120.1	92.6

Table 6. Regional Price Parities by Metropolitan Area, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
Milwaukee-Waukesha, WI	94.8	96.0	92.5	94.8
Minneapolis-St. Paul-Bloomington, MN-WI	102.6	105.1	110.6	96.6
Missoula, MT	95.0	98.8	90.5	93.6
Mobile, AL	85.9	97.0	62.3	91.9
Modesto, CA	99.5	96.3	101.9	102.0
Monroe, LA	84.2	96.6	57.8	92.6
Monroe, MI	91.7	98.4	73.7	96.8
Montgomery, AL	88.2	97.4	69.0	91.8
Morgantown, WV	89.9	92.1	81.0	94.5
Morristown, TN	82.0	92.0	59.7	91.6
Mount Vernon-Anacortes, WA	100.4	101.5	105.2	95.8
Muncie, IN	86.2	96.0	64.8	91.5
Muskegon, MI	87.0	96.0	66.1	91.5
Myrtle Beach-Conway-North Myrtle Beach, SC-NC	91.9	96.2	84.3	94.7
Napa, CA	122.0	110.3	159.4	112.6
Naples-Marco Island, FL	101.7	97.5	126.8	94.6
Nashville-Davidson--Murfreesboro--Franklin, TN	94.9	97.2	95.9	91.8
New Bern, NC	84.1	92.1	65.3	94.5
New Haven-Milford, CT	108.3	105.3	110.3	109.8
New Orleans-Metairie, LA	94.1	97.2	91.2	92.6
New York-Newark-Jersey City, NY-NJ-PA	124.1	109.6	152.9	120.7
Niles, MI	87.2	96.0	66.1	91.5
North Port-Sarasota-Bradenton, FL	100.5	97.5	116.2	94.6
Norwich-New London, CT	102.3	98.7	108.2	102.6
Ocala, FL	91.1	97.5	77.4	94.6
Ocean City, NJ	103.2	100.9	105.5	104.0
Odessa, TX	94.6	97.4	92.7	92.6
Ogden-Clearfield, UT	94.3	94.0	87.1	99.9
Oklahoma City, OK	90.7	97.2	77.1	92.6
Olympia-Lacey-Tumwater, WA	108.0	106.8	116.3	104.3
Omaha-Council Bluffs, NE-IA	92.1	95.2	85.3	92.3
Orlando-Kissimmee-Sanford, FL	98.7	97.5	107.1	94.6
Oshkosh-Neenah, WI	89.8	96.0	74.5	91.5
Owensboro, KY	87.7	97.0	64.9	91.8
Oxnard-Thousand Oaks-Ventura, CA	117.1	100.0	172.4	107.5
Palm Bay-Melbourne-Titusville, FL	96.3	97.5	96.9	94.6
Panama City, FL	94.8	97.5	91.2	94.6
Parkersburg-Vienna, WV	87.8	97.3	62.9	94.6
Pensacola-Ferry Pass-Brent, FL	92.4	97.5	82.1	94.6
Peoria, IL	88.0	95.9	68.4	91.4
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	105.4	100.6	109.4	108.0
Phoenix-Mesa-Chandler, AZ	98.1	95.2	100.6	99.6
Pine Bluff, AR	81.4	96.6	49.4	92.6
Pittsburgh, PA	93.1	98.7	78.9	94.1
Pittsfield, MA	98.4	98.7	91.9	102.6
Pocatello, ID	87.6	98.7	65.1	93.6
Portland-South Portland, ME	103.2	99.0	111.5	103.0
Portland-Vancouver-Hillsboro, OR-WA	103.8	100.2	124.7	97.3
Port St. Lucie, FL	98.0	97.5	103.9	94.6
Poughkeepsie-Newburgh-Middletown, NY	117.1	109.8	126.8	117.3
Prescott Valley-Prescott, AZ	95.1	98.8	91.2	93.6
Providence-Warwick, RI-MA	99.9	99.4	95.4	103.5
Provo-Orem, UT	96.3	93.6	96.0	100.3
Pueblo, CO	90.1	93.5	72.9	100.4
Punta Gorda, FL	96.4	97.5	97.1	94.6
Racine, WI	92.4	96.0	81.8	94.8
Raleigh-Cary, NC	96.6	97.5	98.7	94.6
Rapid City, SD	89.1	95.0	75.0	92.1

Table 6. Regional Price Parities by Metropolitan Area, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
Reading, PA	96.3	98.7	86.2	99.9
Redding, CA	97.0	96.3	92.0	102.0
Reno, NV	98.3	93.6	105.0	100.3
Richmond, VA	96.1	97.4	96.4	94.6
Riverside-San Bernardino-Ontario, CA	107.0	98.7	119.4	107.5
Roanoke, VA	90.5	96.8	75.0	94.6
Rochester, MN	93.3	94.9	92.6	91.9
Rochester, NY	97.7	98.7	91.9	99.9
Rockford, IL	87.6	96.0	68.9	91.5
Rocky Mount, NC	84.6	97.5	53.3	94.6
Rome, GA	82.8	92.1	58.8	94.5
Sacramento-Roseville-Folsom, CA	103.6	96.3	122.6	102.0
Saginaw, MI	87.1	96.0	65.3	91.5
St. Cloud, MN	90.9	95.3	80.7	92.3
St. George, UT	94.6	98.8	89.7	93.6
St. Joseph, MO-KS	85.3	95.1	59.7	92.1
St. Louis, MO-IL	91.0	95.2	81.8	91.3
Salem, OR	97.9	100.2	94.7	97.3
Salinas, CA	109.7	96.3	156.1	102.0
Salisbury, MD-DE	88.9	92.1	78.5	94.6
Salt Lake City, UT	98.7	93.7	107.1	100.1
San Angelo, TX	92.0	97.2	82.6	92.6
San Antonio-New Braunfels, TX	93.9	97.1	90.7	92.6
San Diego-Chula Vista-Carlsbad, CA	116.4	98.7	170.0	108.3
San Francisco-Oakland-Berkeley, CA	131.6	113.2	199.5	115.4
San Jose-Sunnyvale-Santa Clara, CA	129.4	110.1	221.3	112.3
San Luis Obispo-Paso Robles, CA	108.7	96.3	149.1	102.0
Santa Cruz-Watsonville, CA	125.5	110.3	176.9	112.6
Santa Fe, NM	97.8	93.5	102.9	100.4
Santa Maria-Santa Barbara, CA	111.2	96.3	171.0	102.0
Santa Rosa-Petaluma, CA	122.5	110.3	159.9	112.6
Savannah, GA	94.4	97.5	88.7	94.6
Scranton--Wilkes-Barre, PA	92.0	98.7	70.4	99.9
Seattle-Tacoma-Bellevue, WA	112.9	107.5	143.8	103.7
Sebastian-Vero Beach, FL	92.7	92.1	91.4	94.6
Sebring-Avon Park, FL	85.7	92.1	70.1	94.6
Sheboygan, WI	88.8	96.0	71.1	91.5
Sherman-Denison, TX	91.3	97.4	79.4	92.6
Shreveport-Bossier City, LA	88.2	97.2	70.3	92.6
Sierra Vista-Douglas, AZ	88.8	98.8	71.1	93.6
Sioux City, IA-NE-SD	88.6	95.0	70.0	92.1
Sioux Falls, SD	91.3	95.2	82.2	92.3
South Bend-Mishawaka, IN-MI	88.0	95.8	70.1	91.3
Spartanburg, SC	89.5	97.5	69.0	94.6
Spokane-Spokane Valley, WA	95.8	96.9	85.8	101.3
Springfield, IL	90.0	96.0	74.3	91.5
Springfield, MA	97.3	98.7	88.1	102.7
Springfield, MO	86.3	95.2	65.1	92.2
Springfield, OH	85.6	96.0	60.9	91.5
State College, PA	101.4	98.7	109.2	99.9
Staunton, VA	86.0	92.1	70.4	94.6
Stockton, CA	100.7	96.3	107.4	102.0
Sumter, SC	85.3	95.1	57.8	94.8
Syracuse, NY	96.5	98.7	87.0	99.9
Tallahassee, FL	93.4	97.1	85.5	94.6
Tampa-St. Petersburg-Clearwater, FL	99.0	94.0	105.1	101.1
Terre Haute, IN	86.3	95.7	62.3	91.2
Texarkana, TX-AR	86.1	96.3	60.6	92.7

Table 6. Regional Price Parities by Metropolitan Area, 2018

	Regional price parities			
	All items	Goods	Services	
			Rents	Other
The Villages, FL	94.1	92.1	95.4	94.6
Toledo, OH	86.8	95.9	64.9	91.4
Topeka, KS	88.5	95.0	71.2	92.0
Trenton-Princeton, NJ	108.6	100.7	119.8	111.2
Tucson, AZ	93.9	93.5	86.5	100.4
Tulsa, OK	89.6	97.2	72.9	92.6
Tuscaloosa, AL	87.1	96.3	65.6	91.9
Twin Falls, ID	89.8	98.8	72.4	93.6
Tyler, TX	92.7	97.4	84.8	92.6
Urban Honolulu, HI	124.2	115.1	171.5	106.3
Utica-Rome, NY	93.2	98.7	74.4	99.9
Valdosta, GA	83.3	92.1	63.0	94.5
Vallejo, CA	119.5	110.3	143.7	112.6
Victoria, TX	92.9	97.1	86.1	92.6
Vineland-Bridgeton, NJ	98.5	100.9	86.8	104.0
Virginia Beach-Norfolk-Newport News, VA-NC	97.0	97.3	100.2	94.6
Visalia, CA	94.2	96.3	80.8	102.0
Waco, TX	89.7	96.8	74.8	92.6
Walla Walla, WA	96.5	101.5	88.9	95.8
Warner Robins, GA	89.1	97.5	69.3	94.6
Washington-Arlington-Alexandria, DC-VA-MD-WV	117.8	104.4	162.3	109.0
Waterloo-Cedar Falls, IA	89.6	94.9	75.5	92.0
Watertown-Fort Drum, NY	98.2	98.7	95.4	99.9
Wausau-Weston, WI	89.1	95.8	71.6	91.3
Weirton-Steubenville, WV-OH	84.1	95.4	51.9	92.9
Wenatchee, WA	99.0	101.5	99.1	95.8
Wheeling, WV-OH	85.0	97.5	54.3	94.6
Wichita, KS	88.6	95.2	71.0	92.3
Wichita Falls, TX	87.6	97.1	68.6	92.6
Williamsport, PA	92.2	98.7	72.1	99.9
Wilmington, NC	93.6	96.8	87.5	94.7
Winchester, VA-WV	92.9	92.1	92.0	94.5
Winston-Salem, NC	88.8	97.5	66.9	94.6
Worcester, MA-CT	103.3	101.7	100.5	106.7
Yakima, WA	93.5	96.3	76.9	102.0
York-Hanover, PA	96.5	98.7	86.8	99.9
Youngstown-Warren-Boardman, OH-PA	86.1	96.4	59.8	93.3
Yuba City, CA	96.4	96.3	89.6	102.0
Yuma, AZ	88.9	93.5	70.2	100.4
Maximum	131.6	115.1	221.3	120.7
Minimum	76.6	91.8	45.8	89.5
Range	55.0	23.3	175.5	31.2

Source: U.S. Bureau of Economic Analysis

1. The U.S. all items RPP is the average price level across all metropolitan areas and the U.S. nonmetropolitan portion.