

News Release

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BEA 23-65

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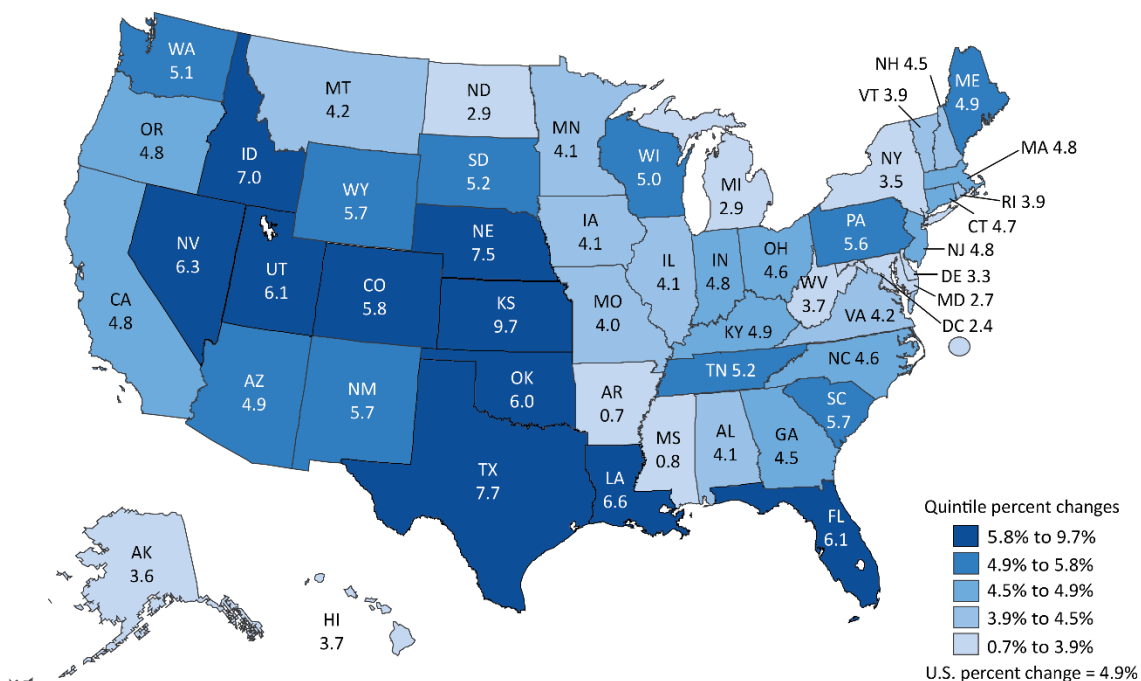
Gross Domestic Product by State and Personal Income by State, 3rd Quarter 2023

Real gross domestic product (GDP) increased in all 50 states and the District of Columbia in the third quarter of 2023, with the percent change ranging from 9.7 percent in Kansas to 0.7 percent in Arkansas (table 1), according to statistics released today by the U.S. Bureau of Economic Analysis (BEA).

Current-dollar GDP increased in all 50 states and the District of Columbia in the third quarter, with the percent change ranging from 12.8 percent in Texas to 4.1 percent in Arkansas (table 1).

Current-dollar personal income increased in 49 states and the District of Columbia in the third quarter of 2023, with the percent change ranging from 5.2 percent in Texas to 0.0 percent in Arkansas (table 3).

Real GDP: Percent Change at Annual Rate, 2023:Q2–2023:Q3



Real GDP

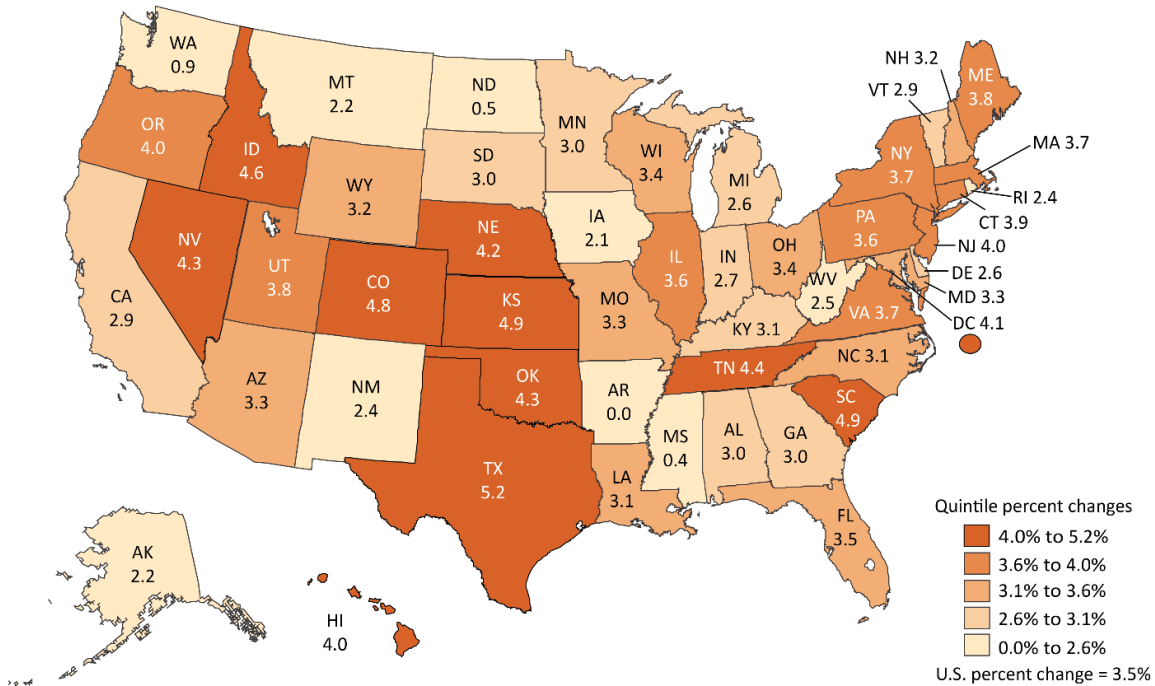
In the third quarter of 2023, real GDP for the nation grew at an annual rate of 4.9 percent. Real GDP also increased in 15 of the 23 industry groups for which BEA prepares quarterly state estimates (table 2).

- Agriculture, forestry, fishing, and hunting, which decreased nationally and in 33 states, was the leading contributor to growth in Kansas and Nebraska, the states with the largest and third-largest increases in real GDP. In contrast, this industry was the leading offset to growth in Arkansas and Mississippi, the states with the smallest increases in real GDP.
- Retail trade was the leading contributor to growth in 39 states, including Texas and Idaho, the states with the second- and fourth-largest increases in real GDP.
- Nondurable-goods manufacturing was the leading contributor to growth in three states, including Louisiana, the state with the fifth-largest increase in real GDP.

Personal income

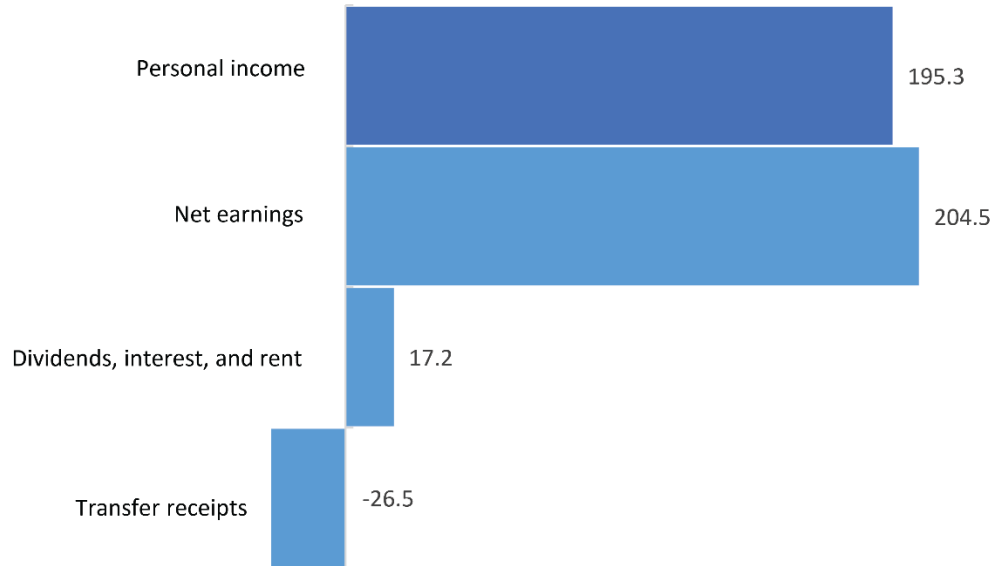
In the third quarter of 2023, current-dollar personal income increased \$195.3 billion, or 3.5 percent at an annual rate (table 3). Increases in earnings and property income (dividends, interest, and rent) were partially offset by a decrease in transfer receipts (chart 1).

Personal Income: Percent Change at Annual Rate, 2023:Q2–2023:Q3



U.S. Bureau of Economic Analysis

Chart 1. Change in Personal Income and Select Components
United States, 2023:Q2–2023:Q3
[Billions of dollars]



U.S. Bureau of Economic Analysis

Earnings increased in all 50 states and the District of Columbia, while growing 5.9 percent nationally. The percent change in earnings ranged from 8.3 percent in Texas to 1.3 percent in North Dakota (table 4).

- Earnings increased in 20 of the 24 industries for which BEA prepares quarterly estimates (table 5).
- Construction was the leading contributor to the increase in earnings in seven states, including Texas, the state with the largest percent increase in personal income.
- State and local government was the leading contributor to the increase in earnings in 24 states, including South Carolina, Colorado, and Idaho, the states with the second-, fourth-, and fifth-largest percent increases in personal income.
- Farm, which decreased nationally and in 41 states, was the leading contributor to the increase in earnings in Kansas, the state with the third-largest percent increase in personal income.

Property income increased in all 50 states and the District of Columbia, while growing 1.5 percent nationally. The percent change ranged from 3.0 percent in Texas to 0.1 percent in Iowa.

Transfer receipts decreased in 47 states and the District of Columbia, while declining 2.5 percent nationally. The decrease in transfer receipts was due to declines in Medicaid payments, other personal current transfer receipts, and state unemployment insurance compensation partially offset by increases

in Medicare and social security payments. The percent change in transfer receipts ranged from 4.4 percent in New York to -7.0 percent in Rhode Island and New Mexico (table 4).

Update of state statistics

Today, BEA also released revised quarterly estimates of personal income by state for the first and second quarters of 2023. This update incorporates new and revised source data that are more complete and more detailed than previously available and aligns the states with the national estimates from the National Income and Product Accounts released on December 21, 2023.

BEA also released new estimates of per capita personal income for the third quarter of 2023. BEA used U.S. Census Bureau (Census) population figures to calculate per capita personal income estimates for the first quarter of 2020 through the third quarter of 2023. For earlier estimates, BEA used intercensal population statistics that it developed based on Census methodology. See "[Note on Per Capita Personal Income and Population.](#)"

Next release: March 29, 2024, 10:00 a.m. EDT

Gross Domestic Product by State and Personal Income by State, 4th Quarter 2023 and Preliminary 2023

Additional Information

Resources

- Stay informed about BEA developments by reading [The BEA Wire](#), signing up for BEA's [email subscription service](#), or following [@BEA_News](#) on X, formerly known as Twitter.
- 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](#).
- For more on BEA's statistics, see our online journal, the [Survey of Current Business](#).
- For upcoming economic indicators, see BEA's [news release schedule](#).
- BEA Regional Facts ([BEARFACTS](#)) is a narrative summary of personal income, per capita personal income, components of income, and gross domestic product for counties, metropolitan statistical areas, and states.
- For complete information on the sources and methods used to estimate gross domestic product and personal income by state, see BEA's [gross domestic product by state](#) and [state personal income and employment](#) methodologies.

Definitions

Gross domestic product (GDP) by state is the market value of goods and services produced by the labor and property located in a state. GDP by state is the state counterpart of the nation's GDP, the Bureau's featured and most comprehensive measure of U.S. economic activity.

Current-dollar statistics are valued in the prices of the period when the transactions occurred—that is, at “market value.” They are also referred to as “nominal GDP” or “current-price GDP.”

Real values are inflation-adjusted statistics—that is, these exclude the effects of price changes.

Contributions to growth are an industry's contribution to the state's overall percent change in real GDP. The contributions are additive and can be summed to the state's overall percent change.

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).

State personal income differs slightly from the estimate of U.S. personal income in the National Income and Product Accounts because of differences in coverage, in the methodologies used to prepare the estimates, and in the timing of the availability of source data. In BEA's state statistics, estimates of personal income for the United States is the sum of the state estimates and the estimate for the District of Columbia.

Per capita personal income is calculated as the total personal income of the residents of a state divided by the population of the state. In computing per capita personal income, BEA uses mid-quarter population estimates based on unpublished U.S. Census Bureau data.

Earnings by place of work is the sum of wages and salaries, supplements to wages and salaries, and proprietors' income. BEA's industry estimates are presented on an earnings by place-of-work basis.

Net earnings by place of residence is earnings by place of work less contributions for government social insurance plus an adjustment to convert earnings by place of work to a place-of-residence basis. BEA presents net earnings on an all-industry level.

Property income is rental income of persons, personal dividend income, and personal interest income.

Personal current transfer receipts are benefits received by persons from federal, state, and local governments and from businesses for which no current services are performed. They include retirement and disability insurance benefits (mainly social security), medical benefits (mainly Medicare and Medicaid), income maintenance benefits, unemployment insurance compensation, veterans' benefits, and federal education and training assistance.

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).

Statistical conventions

Quarter-to-quarter percent changes are calculated from unrounded data and are annualized. Annualized growth rates show the rate of change that would have occurred had the pattern been repeated over four quarters (1 year).

Annualized rates of change can be calculated as follows: $((\text{level of later quarter} / \text{level of earlier quarter})^4 - 1) * 100$. Quarterly estimates are expressed at seasonally adjusted annual rates unless otherwise specified. Quarter-to-quarter dollar changes are differences between published estimates.

Seasonal adjustment and annual rates. Quarterly values are expressed at seasonally adjusted annual rates. For details, see the FAQ [“Why does BEA publish estimates at annual rates?”](#) on the BEA website.

Quantities and prices. Quantities, or “real” measures, are expressed as index numbers with a specified reference year equal to 100 (currently 2017). Quantity indexes are calculated using a Fisher chain-weighted formula that incorporates weights from two adjacent periods (quarters for quarterly data and annuals for annual data). “Real” dollar series are calculated by multiplying the quantity index by the current dollar value in the reference year and then dividing by 100. Percent changes calculated from chained-dollar levels and quantity indexes are conceptually the same; any differences are due to rounding.

Chained-dollar values are not additive, because the relative weights for a given period differ from those of the reference year.

Chained-dollar values of GDP by state are derived by applying national chain-type price indexes to the current dollar values of GDP by state for the 23 North American Industry Classification System-based industry sectors. The chain-type index formula that is used in the national accounts is then used to calculate the values of total real GDP by state and real GDP by state at more aggregated industry levels. Real GDP by state may reflect a substantial volume of output that is sold to other states and countries. To the extent that a state's output is produced and sold in national markets at relatively uniform prices (or sold locally at national prices), real GDP by state captures the differences across states that reflect the relative differences in the mix of goods and services that the states produce. However, real GDP by state does not capture geographic differences in the prices of goods and services that are produced and sold locally.

BEA regions

BEA groups all 50 states and the District of Columbia into 8 distinct regions for purposes of presentation and analysis as follows:

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)

Uses of GDP and personal income by state statistics

GDP and personal income by state statistics provide a framework for analyzing current economic conditions in each state and can serve as a basis for decision-making. For example:

- Federal government agencies use the statistics in forecasting models to project energy and water use. The statistics are also used as a basis for allocating funds and determining matching grants to states.
- State governments use the statistics to project tax revenues and the need for public services.
- Academic regional economists use the statistics for applied research.
- Businesses, trade associations, and labor organizations use the statistics for market research.

News release tables

Table 1. Gross Domestic Product by State and Region: Level and Percent Change From Previous Period

Table 2. Contributions to Percent Change in Real Gross Domestic Product, by State and Region, 2023:Q2–2023:Q3

Table 3. Personal Income by State and Region: Level and Percent Change From Preceding Period

Table 4. Personal Income Change by Component, by State and Region, 2023:Q2–2023:Q3

Table 5. Contributions of Earnings to Percent Change in Personal Income, by Industry and by State and Region, 2023:Q2–2023:Q3

Table 1. Gross Domestic Product by State and Region: Level and Percent Change From Preceding Period

	Current-dollar gross domestic product								Real gross domestic product							
	Millions of dollars				Percent change from preceding period ¹				Millions of chained (2017) dollars				Percent change from preceding period ¹			
	2022	Seasonally adjusted at annual rates			2022	2023			2022	Seasonally adjusted at annual rates			2022	2023		
		Q1	Q2	Q3 ^p		Q2	Q3 ^p	Q1		Q2	Q3 ^p	Q2		Q3 ^p	Rank Q3	
United States	25,744,108	26,813,601	27,063,012	27,610,128	9.1	3.8	8.3	21,822,037	22,112,329	22,225,350	22,490,692	1.9	2.1	4.9	--	
New England	1,315,233	1,366,894	1,382,284	1,409,744	7.4	4.6	8.2	1,140,308	1,148,112	1,153,162	1,166,373	2.2	1.8	4.7	--	
Connecticut	319,345	333,508	336,462	343,186	7.9	3.6	8.2	276,669	279,910	280,440	283,694	2.9	0.8	4.7	27	
Maine	85,801	89,310	90,051	91,818	8.7	3.4	8.1	72,414	73,053	73,165	74,048	2.2	0.6	4.9	19	
Massachusetts	691,461	716,997	726,665	741,343	7.1	5.5	8.3	604,358	607,175	611,515	618,655	2.1	2.9	4.8	25	
New Hampshire	105,025	108,793	109,962	112,065	6.0	4.4	7.9	90,150	90,448	90,610	91,607	0.3	0.7	4.5	31	
Rhode Island	72,771	75,783	76,518	77,948	8.2	3.9	7.7	62,191	62,656	62,758	63,363	2.3	0.7	3.9	40	
Vermont	40,831	42,503	42,627	43,384	8.6	1.2	7.3	34,609	34,940	34,777	35,114	2.2	-1.9	3.9	39	
Mideast	4,450,546	4,610,513	4,652,971	4,736,645	7.7	3.7	7.4	3,814,224	3,829,133	3,841,282	3,879,022	1.9	1.3	4.0	--	
Delaware	90,208	92,299	92,551	94,116	8.7	1.1	6.9	75,173	73,902	73,770	74,362	1.0	-0.7	3.3	45	
District of Columbia	165,061	171,184	173,375	176,491	5.7	5.2	7.4	144,030	144,558	145,118	145,996	0.9	1.6	2.4	--	
Maryland	480,113	502,854	508,650	516,455	7.4	4.7	6.3	412,283	417,983	419,681	422,486	1.6	1.6	2.7	48	
New Jersey	754,948	781,518	791,460	806,890	9.1	5.2	8.0	646,731	648,549	652,278	659,893	2.8	2.3	4.8	26	
New York	2,048,403	2,118,317	2,133,206	2,168,133	7.2	2.8	6.7	1,763,525	1,765,091	1,766,900	1,781,963	2.3	0.4	3.5	44	
Pennsylvania	911,813	944,343	953,729	974,558	8.0	4.0	9.0	772,336	778,915	783,389	794,150	1.0	2.3	5.6	14	
Great Lakes	3,340,753	3,462,748	3,490,836	3,555,971	8.7	3.3	7.7	2,825,277	2,832,060	2,841,882	2,871,316	1.3	1.4	4.2	--	
Illinois	1,025,667	1,064,990	1,072,564	1,092,246	8.7	2.9	7.5	864,171	868,023	870,491	879,379	1.3	1.1	4.1	35	
Indiana	470,324	488,157	491,294	501,267	11.2	2.6	8.4	396,009	397,045	398,426	403,085	3.1	1.4	4.8	23	
Michigan	622,563	646,490	654,336	664,452	8.0	4.9	6.3	539,898	542,892	545,802	549,715	1.6	2.2	2.9	47	
Ohio	825,990	856,166	863,749	880,871	8.7	3.6	8.2	689,681	690,707	693,891	701,714	0.5	1.9	4.6	29	
Wisconsin	396,209	406,944	408,892	417,135	7.4	1.9	8.3	335,688	333,601	333,496	337,598	0.4	-0.1	5.0	18	
Plains	1,598,958	1,666,262	1,677,255	1,710,671	9.1	2.7	8.2	1,335,232	1,353,681	1,360,688	1,377,878	1.1	2.1	5.1	--	
Iowa	238,342	246,635	246,756	250,819	7.9	0.2	6.8	197,846	198,852	199,355	201,358	-0.3	1.0	4.1	37	
Kansas	209,326	219,270	223,664	230,388	9.1	8.3	12.6	174,795	177,763	180,967	185,207	1.1	7.4	9.7	1	
Minnesota	448,032	464,207	467,294	475,590	8.5	2.7	7.3	379,112	380,654	381,281	385,131	1.2	0.7	4.1	36	
Missouri	396,890	415,758	417,893	425,203	8.7	2.1	7.2	336,626	341,789	341,731	345,061	2.0	-0.1	4.0	38	
Nebraska	164,934	174,792	176,834	181,127	10.4	4.8	10.1	137,078	141,330	143,365	145,983	2.7	5.9	7.5	3	
North Dakota	72,651	73,907	73,091	74,538	14.9	-4.3	8.2	54,799	57,327	57,848	58,267	-1.1	3.7	2.9	46	
South Dakota	68,782	71,694	71,723	73,005	9.9	0.2	7.3	54,959	55,771	55,910	56,629	-0.3	1.0	5.2	15	
Southeast	5,604,605	5,894,134	5,946,551	6,066,132	9.8	3.6	8.3	4,735,643	4,829,724	4,846,562	4,904,756	2.7	1.4	4.9	--	
Alabama	281,569	295,040	296,459	302,289	9.1	1.9	8.1	235,807	239,693	239,849	242,299	1.7	0.3	4.1	34	
Arkansas	165,989	174,725	175,119	176,878	9.3	0.9	4.1	137,356	140,575	140,438	140,678	1.3	-0.4	0.7	50	
Florida	1,439,065	1,539,059	1,560,980	1,595,347	11.3	5.8	9.1	1,218,430	1,260,692	1,267,911	1,286,673	4.6	2.3	6.1	8	
Georgia	767,378	791,680	796,626	811,294	9.4	2.5	7.6	655,827	655,663	656,155	663,389	2.6	0.3	4.5	30	
Kentucky	258,981	272,336	274,929	280,449	8.8	3.9	8.3	217,568	222,364	223,822	226,517	1.4	2.6	4.9	21	
Louisiana	291,952	303,980	305,262	313,334	10.9	1.7	11.0	231,262	234,459	236,325	240,105	-1.2	3.2	6.6	5	
Mississippi	139,976	145,431	145,205	146,725	9.0	-0.6	4.3	114,153	114,987	114,474	114,691	0.0	-1.8	0.8	49	
North Carolina	715,968	752,806	758,303	773,365	8.6	3.0	8.2	609,058	619,470	621,116	628,133	2.0	1.1	4.6	28	
South Carolina	297,546	314,685	318,199	325,373	9.6	4.5	9.3	250,873	256,422	257,600	261,199	2.5	1.8	5.7	12	
Tennessee	485,657	513,187	517,617	527,938	10.8	3.5	8.2	412,101	421,438	422,195	427,540	3.9	0.7	5.2	16	
Virginia	663,106	692,951	699,988	712,900	8.0	4.1	7.6	576,964	585,051	587,013	593,102	2.5	1.3	4.2	32	
West Virginia	97,417	98,255	97,862	100,240	12.6	-1.6	10.1	76,526	79,007	79,711	80,446	1.3	3.6	3.7	41	
Southwest	3,246,070	3,377,124	3,399,990	3,497,156	13.9	2.7	11.9	2,620,457	2,701,729	2,730,403	2,777,533	2.5	4.3	7.1	--	
Arizona	475,654	497,300	502,546	512,504	10.0	4.3	8.2	403,474	409,514	411,009	415,961	3.2	1.5	4.9	20	
New Mexico	125,541	127,731	128,051	131,535	12.4	1.0	11.3	101,315	103,746	104,692	106,161	1.8	3.7	5.7	11	
Oklahoma	242,739	249,690	250,330	256,974	11.5	1.0	11.0	191,583	198,201	200,415	203,343	-1.0	4.5	6.0	9	
Texas	2,402,137	2,502,403	2,519,063	2,596,144	15.1	2.7	12.8	1,924,007	1,989,852	2,013,780	2,051,491	2.7	4.9	7.7	2	
Rocky Mountain	974,683	1,010,644	1,019,436	1,042,557	10.7	3.5	9.4	812,969	824,637	829,993	841,966	2.3	2.6	5.9	--	
Colorado	491,289	508,975	514,223	525,868	9.9	4.2	9.4	416,114	422,277	424,981	430,996	2.2	2.6	5.8	10	
Idaho	110,871	116,278	117,028	119,810	12.2	2.6	9.9	91,684	93,570	93,775	95,386	4.2	0.9	7.0	4	
Montana	67,072	69,322	69,793	71,088	11.8	2.7	7.6	53,983	54,538	54,856	55,424	1.9	2.4	4.2	33	
Utah	256,370	266,733	268,994	275,048	10.4	3.4	9.3	213,898	215,856	217,161	220,396	1.9	2.4	6.1	7	
Wyoming	49,081	49,335	49,398	50,743	16.4	0.5	11.3	37,294	38,359	39,167	39,713	1.0	8.7	5.7	13	
Far West	5,066,774	5,277,129	5,345,363	5,444,125	7.1	5.3	7.6	4,385,658	4,439,121	4,468,462	4,521,933	1.0	2.7	4.9	--	
Alaska	65,699	66,609	66,355	67,673	12.0	-1.5	8.2	50,315	52,167	52,779	53,246	-1.4	4.8	3.6	43	
California	3,641,643	3,778,634	3,827,518	3,898,158	6.6	5.3	7.6	3,167,461	3,191,531	3,213,435	3,251,275	0.7	2.8	4.8	22	
Hawaii	101,083	106,104	107,144	108,993	8.6	4.0	7.1	85,211	86,337	86,472	87,268	1.3	0.6	3.7	42	
Nevada	222,939	233,018	236,036	241,432	11.4	5.3	9.5	187,226	189,320	190,176	193,114	3.4	1.8	6.3	6	
Oregon	297,309	309,841	313,591	319,525	7.9	4.9	7.8	254,708	257,380	258,495	261,516	1.8	1.7	4.8	24	
Washington	738,101	782,922	794,720	808,344	7.2	6.2	7.0	641,144	662,661	667,408	675,813	1.6	2.9	5.1	17	
Overseas activity²	146,493	148,153	148,328	147,129	10.6	0.5	-3.2	--	

p Preliminary

1. Quarterly percent changes shown are annualized—that is, they are a percent change from the preceding period at annual rates.

2. Economic activity taking place outside U.S. borders by the U.S. military and associated federal

Table 2. Contributions to Percent Change in Real Gross Domestic Product, by State and Region, 2023:Q2–2023:Q3—Continues

[Seasonally adjusted at annual rates]

	Percent change in real gross domestic product by state	Percentage points										
		Agriculture, forestry, fishing, and hunting	Mining, quarrying, and oil and gas extraction	Utilities	Construction	Manufacturing		Wholesale trade	Retail trade	Transportation and warehousing	Information	Finance and insurance
						Durable goods	Nondurable goods					
United States	4.9	-0.06	0.16	-0.50	0.65	0.22	0.70	-0.15	1.36	0.14	0.75	0.44
New England	4.7	-0.01	0.00	-0.65	0.58	0.13	0.54	0.02	1.16	0.18	0.81	0.52
Connecticut	4.7	-0.04	0.00	-0.50	0.56	0.29	0.53	-0.01	1.24	0.15	1.00	0.47
Maine	4.9	-0.08	0.00	-0.53	0.52	0.31	0.38	-0.34	2.07	0.16	0.38	0.31
Massachusetts	4.8	0.00	0.00	-0.77	0.60	0.01	0.56	0.16	0.87	0.23	0.93	0.59
New Hampshire	4.5	-0.06	0.01	-0.43	0.61	0.30	0.58	-0.09	1.65	0.07	0.41	0.28
Rhode Island	3.9	-0.02	0.00	-0.61	0.49	0.08	0.49	-0.19	1.52	0.16	0.15	0.67
Vermont	3.9	0.14	0.01	-0.63	0.54	0.17	0.46	-0.60	1.88	0.09	0.45	0.37
Mideast	4.0	-0.05	0.03	-0.49	0.44	0.13	0.50	-0.15	1.07	0.12	0.56	0.61
Delaware	3.3	-0.73	0.00	-0.42	0.48	0.33	1.03	-0.25	0.99	0.08	0.07	0.70
District of Columbia	2.4	0.00	0.00	-0.35	0.12	0.01	0.02	-0.02	0.21	0.11	1.61	0.24
Maryland	2.7	-0.20	0.00	-0.42	1.00	0.14	0.22	-0.14	1.00	0.00	0.50	0.09
New Jersey	4.8	-0.05	0.00	-0.46	0.51	0.21	0.79	-0.31	1.37	0.22	1.04	0.37
New York	3.5	0.01	0.00	-0.49	0.28	0.08	0.27	-0.25	0.91	0.08	0.21	0.95
Pennsylvania	5.6	-0.07	0.13	-0.57	0.51	0.18	0.95	0.18	1.41	0.21	0.82	0.38
Great Lakes	4.2	-0.21	0.03	-0.56	0.61	0.16	0.98	-0.07	1.40	0.09	0.50	0.49
Illinois	4.1	-0.21	0.01	-0.64	0.55	-0.03	1.15	-0.10	1.28	0.10	0.65	0.63
Indiana	4.8	-0.52	0.03	-0.47	0.66	0.63	1.50	-0.08	1.29	0.16	0.32	0.61
Michigan	2.9	-0.23	0.01	-0.71	0.50	-0.06	0.76	-0.22	1.52	0.13	0.53	0.31
Ohio	4.6	-0.19	0.08	-0.47	0.71	0.24	0.75	0.03	1.49	-0.02	0.45	0.43
Wisconsin	5.0	0.19	0.01	-0.39	0.69	0.30	0.73	-0.02	1.49	0.15	0.37	0.40
Plains	5.1	1.06	0.05	-0.51	0.68	0.15	0.83	-0.18	1.39	0.15	0.55	0.29
Iowa	4.1	1.33	0.01	-0.60	0.28	0.32	1.00	-0.21	1.34	-0.06	0.61	0.14
Kansas	9.7	5.27	0.03	-0.42	0.61	0.34	0.88	-0.11	1.34	-0.01	0.75	0.19
Minnesota	4.1	-0.26	0.01	-0.36	0.92	0.09	0.67	-0.27	1.39	0.42	0.49	0.27
Missouri	4.0	-0.55	0.02	-0.45	0.59	0.11	0.72	-0.19	1.55	0.13	0.58	0.32
Nebraska	7.5	4.01	0.01	-0.96	0.72	-0.07	1.50	-0.16	1.11	-0.05	0.56	0.53
North Dakota	2.9	-1.79	0.84	-0.70	0.60	0.21	0.50	0.37	1.26	0.24	0.34	0.15
South Dakota	5.2	0.94	0.01	-0.45	1.22	0.12	0.54	-0.22	1.65	0.10	0.28	0.68
Southeast	4.9	-0.45	0.04	-0.57	0.72	0.22	0.80	-0.11	1.62	0.19	0.71	0.42
Alabama	4.1	-0.89	0.02	-0.76	0.73	0.59	0.67	-0.06	1.69	0.15	0.36	0.37
Arkansas	0.7	-3.06	0.02	-0.78	0.51	0.02	0.77	0.01	1.52	-0.21	0.07	0.31
Florida	6.1	-0.07	0.00	-0.57	0.79	0.19	0.33	0.03	1.84	0.36	0.79	0.48
Georgia	4.5	-0.57	0.02	-0.65	0.83	0.33	0.71	-0.22	1.30	0.04	1.02	0.55
Kentucky	4.9	-0.09	0.06	-0.47	1.14	0.29	1.27	-0.32	1.46	0.17	0.43	0.01
Louisiana	6.6	-0.42	0.25	-0.59	0.68	0.16	2.86	0.19	1.51	0.14	0.60	0.34
Mississippi	0.8	-1.44	0.02	-1.01	0.35	-0.03	0.71	-0.46	2.09	-0.16	0.36	0.09
North Carolina	4.6	-0.47	0.01	-0.63	0.55	0.16	1.05	-0.24	1.55	0.29	0.73	0.67
South Carolina	5.7	-0.49	0.01	-0.51	0.88	0.40	0.76	-0.05	1.98	0.26	0.37	0.27
Tennessee	5.2	-0.54	0.02	-0.36	0.58	0.22	0.96	-0.28	2.04	0.07	0.61	0.45
Virginia	4.2	-0.20	0.02	-0.40	0.61	0.08	0.62	-0.05	1.14	0.16	0.95	0.27
West Virginia	3.7	-0.25	0.79	-0.66	0.74	0.23	0.62	-0.67	1.58	-0.02	0.31	0.21
Southwest	7.1	0.18	1.00	-0.45	0.94	0.43	1.04	-0.18	1.40	0.15	0.65	0.47
Arizona	4.9	-0.09	0.10	-0.60	1.17	0.22	0.12	-0.18	1.44	0.05	0.45	0.41
New Mexico	5.7	0.46	1.53	-0.41	0.85	0.14	0.25	-0.02	1.17	0.30	0.04	0.21
Oklahoma	6.0	1.18	1.12	-0.42	0.57	0.37	0.55	-0.58	1.45	0.22	0.32	0.48
Texas	7.7	0.12	1.14	-0.43	0.94	0.50	1.31	-0.15	1.40	0.16	0.76	0.50
Rocky Mountain	5.9	0.23	0.31	-0.55	0.86	0.22	0.43	-0.39	1.56	0.18	1.08	0.39
Colorado	5.8	0.29	0.47	-0.41	0.62	0.25	0.31	-0.41	1.28	0.25	1.14	0.11
Idaho	7.0	0.32	-0.06	-0.44	1.15	0.51	0.38	-0.61	2.21	0.06	0.43	0.44
Montana	4.2	-0.41	0.23	-0.47	0.72	0.24	0.50	0.32	1.72	-0.03	0.25	0.14
Utah	6.1	0.06	0.08	-0.88	1.09	0.08	0.58	-0.46	1.80	0.17	1.62	1.02
Wyoming	5.7	1.23	0.85	-0.66	1.52	0.05	0.86	-0.31	1.39	-0.02	0.20	0.01
Far West	4.9	-0.07	0.01	-0.41	0.61	0.27	0.44	-0.20	1.30	0.12	1.20	0.30
Alaska	3.6	0.16	0.33	-0.47	0.57	-0.03	0.40	-0.14	1.04	0.57	0.69	0.12
California	4.8	-0.05	0.01	-0.44	0.59	0.24	0.51	-0.27	1.29	0.13	1.18	0.29
Hawaii	3.7	-0.04	0.00	-0.65	0.66	-0.03	0.21	-0.21	1.61	0.07	0.47	0.23
Nevada	6.3	0.02	0.08	-0.47	1.29	0.47	0.22	0.15	1.77	-0.04	0.43	0.55
Oregon	4.8	-0.20	0.01	-0.42	0.95	0.17	0.36	0.03	1.31	-0.05	0.79	0.25
Washington	5.1	-0.17	0.00	-0.21	0.38	0.46	0.22	-0.05	1.18	0.15	1.80	0.30

Table 2. Contributions to Percent Change in Real Gross Domestic Product, by State and Region, 2023:Q2–2023:Q3—Table Ends

[Seasonally adjusted at annual rates]

	Percentage points											
	Real estate and rental and leasing	Professional, scientific, and technical services	Management of companies and enterprises	Administrative and support and waste management and remediation services	Educational services	Health care and social assistance	Arts, entertainment, and recreation	Accommodation and food services	Other services (except government and government enterprises)	Government		
										Federal civilian	Military	State and local
United States	0.39	0.32	0.11	-0.05	-0.01	0.28	-0.08	0.06	-0.12	0.03	-0.05	0.26
New England	0.35	0.54	0.24	-0.09	-0.09	0.30	-0.08	0.11	-0.17	0.04	0.05	0.19
Connecticut	0.29	0.32	0.18	-0.07	0.07	0.25	-0.04	0.01	-0.21	0.00	0.12	0.13
Maine	0.40	0.16	0.31	0.15	-0.12	0.46	-0.06	0.14	-0.15	0.14	-0.02	0.34
Massachusetts	0.37	0.80	0.28	-0.10	-0.20	0.31	-0.10	0.12	-0.13	0.06	0.01	0.15
New Hampshire	0.24	0.25	0.19	-0.40	0.23	0.19	-0.08	0.15	-0.13	0.03	0.25	0.24
Rhode Island	0.51	0.23	0.12	0.04	-0.21	0.64	-0.06	0.23	-0.37	0.04	-0.04	0.05
Vermont	0.27	-0.11	0.05	0.03	-0.12	-0.02	-0.15	0.21	-0.12	-0.02	-0.03	1.05
Mideast	0.35	0.25	0.09	0.02	0.06	0.39	-0.15	0.03	-0.12	0.05	-0.02	0.26
Delaware	0.41	0.31	0.12	-0.13	0.02	0.32	0.02	0.08	-0.18	0.00	-0.05	0.09
District of Columbia	0.26	1.09	0.04	-0.08	-0.10	-0.05	0.01	-0.09	-0.26	-0.38	0.01	0.05
Maryland	0.24	0.09	0.04	0.03	-0.25	0.11	-0.24	0.09	-0.07	0.19	-0.09	0.38
New Jersey	0.38	-0.17	0.12	0.03	0.13	0.39	-0.10	-0.15	-0.13	0.04	0.01	0.50
New York	0.35	0.29	0.07	-0.05	0.21	0.45	-0.18	0.07	-0.12	0.05	0.01	0.24
Pennsylvania	0.38	0.45	0.16	0.19	-0.13	0.49	-0.14	0.08	-0.12	0.07	-0.06	0.11
Great Lakes	0.17	0.19	0.10	-0.11	-0.03	0.23	-0.04	0.08	-0.15	0.05	0.01	0.29
Illinois	0.09	0.25	0.08	-0.13	-0.08	0.29	-0.05	0.15	-0.18	0.07	0.06	0.23
Indiana	0.19	0.13	0.08	-0.12	0.03	0.04	-0.17	0.04	-0.06	0.04	-0.04	0.48
Michigan	0.20	-0.05	0.02	-0.07	-0.04	0.04	0.02	0.00	-0.15	0.05	-0.01	0.34
Ohio	0.23	0.27	0.12	-0.15	-0.02	0.35	-0.02	0.06	-0.17	0.04	-0.02	0.39
Wisconsin	0.17	0.36	0.23	0.01	0.01	0.36	-0.05	0.15	-0.14	0.05	0.00	-0.06
Plains	0.20	0.07	0.12	-0.02	-0.02	0.27	-0.06	-0.01	-0.10	0.04	-0.08	0.27
Iowa	0.00	0.08	0.01	-0.14	-0.05	0.15	-0.04	-0.01	-0.12	0.02	-0.08	0.10
Kansas	0.17	0.13	0.04	-0.04	-0.05	0.28	-0.06	0.10	-0.12	0.06	-0.10	0.43
Minnesota	0.23	-0.07	0.08	-0.04	-0.07	0.49	-0.10	0.01	-0.13	0.05	0.00	0.29
Missouri	0.29	0.19	0.29	0.04	0.07	0.28	-0.06	-0.10	-0.07	0.03	-0.16	0.31
Nebraska	0.17	0.04	0.09	0.04	-0.05	-0.03	0.01	-0.02	-0.07	0.04	-0.05	0.16
North Dakota	0.32	0.04	0.10	0.12	0.06	0.03	-0.03	0.07	-0.11	0.08	-0.14	0.36
South Dakota	0.16	0.09	0.07	0.02	-0.04	0.01	-0.04	0.11	-0.11	0.01	-0.02	0.13
Southeast	0.44	0.42	0.13	-0.07	-0.03	0.31	-0.09	0.03	-0.12	0.10	-0.06	0.25
Alabama	0.28	0.40	0.13	-0.15	0.00	0.10	0.01	0.01	-0.16	0.09	0.30	0.28
Arkansas	0.32	0.37	0.27	-0.09	0.01	0.40	-0.02	0.14	-0.06	0.05	-0.04	0.14
Florida	0.70	0.70	0.10	-0.12	0.01	0.50	-0.16	-0.03	-0.10	0.11	-0.02	0.19
Georgia	0.49	0.03	0.18	0.01	-0.01	0.00	-0.06	0.19	-0.11	0.12	-0.07	0.35
Kentucky	0.11	0.28	0.09	-0.11	-0.05	0.69	-0.05	0.08	-0.09	0.16	-0.38	0.21
Louisiana	0.23	0.16	0.08	0.17	0.04	0.02	-0.17	0.17	-0.12	0.06	-0.03	0.25
Mississippi	0.15	0.17	0.07	-0.42	-0.04	0.48	-0.01	-0.26	-0.16	0.09	0.05	0.10
North Carolina	0.34	0.50	0.12	0.08	-0.11	0.35	-0.02	0.07	-0.14	0.10	-0.48	0.12
South Carolina	0.47	0.30	0.09	-0.10	-0.03	0.45	-0.04	0.05	-0.07	0.07	0.28	0.33
Tennessee	0.40	0.55	0.12	-0.16	-0.11	0.25	-0.15	0.14	-0.05	0.21	-0.01	0.20
Virginia	0.35	0.42	0.21	-0.11	-0.05	0.27	-0.13	-0.21	-0.21	-0.03	0.03	0.48
West Virginia	0.42	0.34	0.10	0.04	0.01	-0.02	-0.03	-0.17	0.01	0.02	-0.02	0.16
Southwest	0.74	0.21	0.07	-0.05	-0.02	0.21	-0.04	0.11	-0.14	0.08	-0.02	0.30
Arizona	0.86	0.22	0.08	-0.08	-0.04	0.25	-0.06	0.18	-0.11	0.05	-0.03	0.48
New Mexico	0.32	0.11	0.04	0.04	0.08	0.20	-0.05	0.12	-0.24	0.09	-0.18	0.68
Oklahoma	0.42	-0.22	0.09	-0.03	-0.02	0.14	-0.04	0.06	-0.15	0.11	-0.17	0.52
Texas	0.77	0.26	0.07	-0.05	-0.02	0.20	-0.04	0.10	-0.15	0.09	0.01	0.22
Rocky Mountain	0.58	0.49	0.10	-0.02	0.00	0.07	-0.05	0.02	-0.15	0.08	-0.08	0.54
Colorado	0.65	0.75	0.16	-0.08	0.01	0.00	-0.06	0.01	-0.17	0.12	-0.13	0.63
Idaho	0.69	0.37	0.09	0.13	0.15	0.34	-0.05	0.15	-0.06	0.15	-0.04	0.73
Montana	0.46	0.17	0.02	0.16	0.05	0.19	-0.11	0.06	-0.12	0.04	-0.05	0.13
Utah	0.49	0.12	0.07	-0.02	-0.08	0.05	-0.04	0.02	-0.16	-0.02	-0.01	0.50
Wyoming	0.22	0.49	-0.11	0.09	-0.02	0.16	0.01	-0.16	-0.09	0.07	-0.04	-0.07
Far West	0.36	0.42	0.11	-0.07	0.01	0.27	-0.06	0.10	-0.06	0.06	-0.02	0.19
Alaska	0.15	0.14	0.03	-0.01	-0.01	0.39	0.00	0.11	-0.19	0.05	0.07	-0.37
California	0.35	0.43	0.09	-0.09	0.02	0.26	-0.08	0.10	-0.05	0.06	-0.02	0.25
Hawaii	0.48	0.24	0.10	-0.09	0.01	-0.01	-0.05	0.27	-0.13	0.15	0.30	0.12
Nevada	0.72	0.40	0.18	0.04	-0.01	0.15	-0.03	0.50	-0.10	0.17	-0.04	-0.15
Oregon	0.30	0.34	0.36	0.00	-0.01	0.39	-0.06	0.11	-0.16	0.09	-0.01	0.21
Washington	0.32	0.48	0.15	-0.04	-0.03	0.34	0.03	-0.05	-0.05	0.01	-0.08	0.02

Table 3. Personal Income by State and Region: Level and Percent Change From Preceding Period

	Millions of dollars				Percent change from preceding period ¹				
	2022	Seasonally adjusted at annual rates			2022	2023			2023 Rank Q3
		2023				Q1 ^r	Q2 ^r	Q3 ^p	
		Q1 ^r	Q2 ^r	Q3 ^p					
United States	21,820,248	22,618,087	22,842,355	23,037,613	2.0	6.8	4.0	3.5	--
New England	1,188,528	1,229,730	1,238,255	1,249,345	1.9	3.5	2.8	3.6	--
Connecticut	300,751	313,111	314,616	317,625	2.9	9.8	1.9	3.9	13
Maine	83,951	87,692	87,232	88,050	3.9	11.1	-2.1	3.8	15
Massachusetts	590,400	607,581	612,995	618,652	1.2	-2.1	3.6	3.7	16
New Hampshire	103,122	106,867	108,328	109,192	2.9	7.4	5.6	3.2	28
Rhode Island	69,514	71,868	71,996	72,429	-0.5	9.6	0.7	2.4	42
Vermont	40,790	42,612	43,087	43,397	3.0	8.1	4.5	2.9	36
Mideast	3,597,384	3,714,351	3,758,282	3,792,475	0.0	6.9	4.8	3.7	--
Delaware	64,407	66,402	67,276	67,702	8.8	-0.1	5.4	2.6	39
District of Columbia	64,473	67,147	68,492	69,191	-1.1	7.5	8.3	4.1	--
Maryland	432,933	448,463	454,034	457,765	1.5	7.2	5.1	3.3	24
New Jersey	714,990	736,791	744,561	751,822	1.4	6.5	4.3	4.0	12
New York	1,483,802	1,525,832	1,548,667	1,562,882	-1.6	5.8	6.1	3.7	17
Pennsylvania	836,778	869,715	875,253	883,113	0.4	9.7	2.6	3.6	19
Great Lakes	2,863,569	2,950,962	2,980,103	3,003,459	1.0	6.3	4.0	3.2	--
Illinois	851,243	878,715	888,348	896,157	-0.3	6.2	4.5	3.6	20
Indiana	398,523	407,086	409,672	412,393	2.7	1.1	2.6	2.7	38
Michigan	572,325	591,503	598,656	602,439	0.7	9.5	4.9	2.6	40
Ohio	679,233	701,167	708,144	714,034	1.2	6.8	4.0	3.4	23
Wisconsin	362,245	372,491	375,284	378,436	2.0	6.0	3.0	3.4	22
Plains	1,364,311	1,416,515	1,426,847	1,438,171	3.5	7.6	2.9	3.2	--
Iowa	192,742	198,658	197,984	199,033	3.8	7.1	-1.3	2.1	46
Kansas	177,475	184,026	186,193	188,423	3.1	7.2	4.8	4.9	3
Minnesota	393,569	406,169	409,894	412,948	3.1	5.5	3.7	3.0	34
Missouri	357,195	374,101	377,940	380,987	3.2	9.7	4.2	3.3	26
Nebraska	126,474	132,304	133,331	134,717	2.8	8.5	3.1	4.2	9
North Dakota	54,828	57,238	57,222	57,297	7.0	10.8	-0.1	0.5	48
South Dakota	62,028	64,019	64,283	64,767	5.8	6.9	1.7	3.0	32
Southeast	5,102,324	5,325,868	5,367,870	5,411,417	3.1	8.5	3.2	3.3	--
Alabama	258,362	268,654	269,864	271,895	2.2	6.5	1.8	3.0	33
Arkansas	160,254	167,147	165,630	165,622	2.5	5.3	-3.6	0.0	50
Florida	1,441,599	1,522,449	1,535,380	1,548,536	4.7	11.2	3.4	3.5	21
Georgia	617,553	634,650	644,071	648,849	1.9	3.3	6.1	3.0	35
Kentucky	234,282	242,489	244,042	245,888	0.8	10.7	2.6	3.1	31
Louisiana	250,171	259,004	259,370	261,358	-0.9	9.2	0.6	3.1	29
Mississippi	136,330	140,222	141,361	141,487	-0.8	5.6	3.3	0.4	49
North Carolina	621,706	648,081	649,804	654,748	3.8	9.0	1.1	3.1	30
South Carolina	283,246	298,204	297,829	301,414	3.2	9.1	-0.5	4.9	2
Tennessee	411,035	430,238	433,644	438,375	3.5	10.8	3.2	4.4	6
Virginia	599,042	622,889	633,422	639,207	3.5	6.3	6.9	3.7	18
West Virginia	88,745	91,841	93,454	94,040	1.3	8.0	7.2	2.5	41
Southwest	2,646,114	2,764,796	2,786,118	2,818,486	4.7	8.1	3.1	4.7	--
Arizona	430,084	449,803	457,678	461,420	4.9	8.0	7.2	3.3	25
New Mexico	110,303	113,542	115,745	116,421	1.9	6.0	8.0	2.4	43
Oklahoma	226,308	234,346	235,677	238,176	2.8	7.1	2.3	4.3	7
Texas	1,879,420	1,967,105	1,977,018	2,002,468	5.0	8.4	2.0	5.2	1
Rocky Mountain	864,062	896,828	907,909	917,463	5.8	6.8	5.0	4.3	--
Colorado	442,213	456,101	462,390	467,881	5.8	6.8	5.6	4.8	4
Idaho	109,776	114,675	114,743	116,041	6.5	6.5	0.2	4.6	5
Montana	68,477	71,520	72,130	72,525	6.1	9.5	3.5	2.2	45
Utah	201,012	209,746	213,533	215,541	5.5	5.2	7.4	3.8	14
Wyoming	42,585	44,785	45,113	45,475	4.2	10.6	3.0	3.2	27
Far West	4,193,955	4,319,037	4,376,969	4,406,796	0.3	4.8	5.5	2.8	--
Alaska	50,350	51,224	51,965	52,252	4.4	-0.7	5.9	2.2	44
California	3,006,647	3,087,578	3,129,484	3,151,805	-0.2	3.8	5.5	2.9	37
Hawaii	88,973	91,877	93,411	94,325	0.0	-0.8	6.8	4.0	10
Nevada	197,291	203,757	206,171	208,343	2.8	5.3	4.8	4.3	8
Oregon	264,174	274,139	274,674	277,361	0.7	11.3	0.8	4.0	11
Washington	586,520	610,462	621,263	622,710	2.1	8.4	7.3	0.9	47

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1. Quarterly percent changes shown are annualized—that is, they are a percent change from the preceding period at annual rates.

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Table 4. Personal Income Change by Component, by State and Region, 2023:Q2–2023:Q3

	Percent change ¹				Percent change in personal income	Contribution to percent change in personal income (percentage points)			Dollar change (millions)			
	Personal income	Net earnings ²	Dividends, interest, and rent	Transfer receipts		Net earnings ²	Dividends, interest, and rent	Transfer receipts	Personal income	Net earnings ²	Dividends, interest, and rent	Transfer receipts
United States	3.5	5.9	1.5	-2.5	3.5	3.6	0.3	-0.5	195,259	204,548	17,182	-26,471
New England	3.6	6.1	1.7	-3.7	3.6	3.9	0.3	-0.6	11,091	11,979	982	-1,870
Connecticut	3.9	6.1	1.9	-3.1	3.9	4.0	0.4	-0.5	3,009	3,077	293	-362
Maine	3.8	6.5	1.6	-1.1	3.8	3.8	0.3	-0.3	817	809	65	-57
Massachusetts	3.7	6.3	1.6	-4.1	3.7	4.1	0.3	-0.7	5,658	6,180	466	-989
New Hampshire	3.2	5.0	1.8	-2.9	3.2	3.4	0.3	-0.5	864	909	79	-124
Rhode Island	2.4	6.0	1.5	-7.0	2.4	3.6	0.3	-1.5	433	648	48	-263
Vermont	2.9	5.8	1.3	-3.3	2.9	3.3	0.3	-0.7	310	356	29	-75
Mideast	3.7	5.3	1.7	0.2	3.7	3.3	0.3	0.0	34,193	30,883	2,984	326
Delaware	2.6	4.9	1.7	-2.8	2.6	2.9	0.3	-0.6	426	483	51	-108
District of Columbia	4.1	7.1	2.5	-6.7	4.1	4.7	0.5	-1.0	700	795	78	-173
Maryland	3.3	5.2	1.2	-1.7	3.3	3.4	0.2	-0.3	3,731	3,779	256	-305
New Jersey	4.0	5.9	1.5	-1.6	4.0	3.9	0.3	-0.2	7,261	7,229	471	-438
New York	3.7	4.1	1.8	4.4	3.7	2.6	0.3	0.8	14,216	9,877	1,285	3,054
Pennsylvania	3.6	6.7	2.1	-3.7	3.6	4.0	0.4	-0.8	7,860	8,720	844	-1,704
Great Lakes	3.2	5.6	1.0	-2.3	3.2	3.4	0.2	-0.4	23,356	25,191	1,444	-3,280
Illinois	3.6	5.5	1.7	-1.4	3.6	3.5	0.3	-0.2	7,809	7,574	763	-528
Indiana	2.7	5.3	0.5	-3.8	2.7	3.4	0.1	-0.8	2,722	3,419	88	-786
Michigan	2.6	4.5	0.6	-1.3	2.6	2.7	0.1	-0.3	3,783	4,029	155	-401
Ohio	3.4	6.3	1.0	-2.9	3.4	3.8	0.2	-0.6	5,890	6,661	309	-1,080
Wisconsin	3.4	6.2	0.7	-2.7	3.4	3.8	0.1	-0.5	3,152	3,509	129	-485
Plains	3.2	5.7	0.5	-1.8	3.2	3.5	0.1	-0.3	11,324	12,165	365	-1,207
Iowa	2.1	3.9	0.1	-1.9	2.1	2.5	0.0	-0.4	1,049	1,212	13	-177
Kansas	4.9	7.7	0.3	-0.2	4.9	4.8	0.1	0.0	2,230	2,212	30	-12
Minnesota	3.0	5.6	0.5	-3.1	3.0	3.5	0.1	-0.5	3,054	3,505	100	-551
Missouri	3.3	5.9	0.6	-1.3	3.3	3.4	0.1	-0.3	3,047	3,196	111	-261
Nebraska	4.2	7.1	0.4	-1.4	4.2	4.4	0.1	-0.2	1,386	1,434	28	-76
North Dakota	0.5	1.3	2.0	-4.8	0.5	0.8	0.5	-0.7	74	111	66	-102
South Dakota	3.0	5.2	0.4	-1.1	3.0	3.1	0.1	-0.2	484	496	16	-28
Southeast	3.3	6.0	1.4	-2.3	3.3	3.5	0.3	-0.5	43,547	45,909	4,089	-6,451
Alabama	3.0	5.7	0.8	-1.5	3.0	3.3	0.1	-0.4	2,030	2,174	93	-237
Arkansas	0.0	2.4	0.9	-5.9	0.0	1.3	0.2	-1.5	-7	523	86	-617
Florida	3.5	6.4	1.9	-1.8	3.5	3.3	0.5	-0.4	13,156	12,489	2,035	-1,369
Georgia	3.0	5.4	1.3	-3.6	3.0	3.4	0.3	-0.7	4,778	5,433	400	-1,055
Kentucky	3.1	6.4	0.4	-2.7	3.1	3.7	0.1	-0.7	1,846	2,232	38	-425
Louisiana	3.1	6.5	1.0	-3.0	3.1	3.7	0.2	-0.8	1,988	2,359	114	-485
Mississippi	0.4	2.4	0.6	-4.0	0.4	1.4	0.1	-1.1	125	481	32	-388
North Carolina	3.1	5.6	0.9	-2.5	3.1	3.4	0.2	-0.5	4,944	5,522	258	-835
South Carolina	4.9	7.4	1.2	1.9	4.9	4.2	0.2	0.4	3,585	3,080	177	328
Tennessee	4.4	6.8	2.8	-2.1	4.4	4.4	0.4	-0.4	4,731	4,724	447	-441
Virginia	3.7	6.2	1.1	-2.9	3.7	4.0	0.2	-0.5	5,786	6,208	327	-750
West Virginia	2.5	5.5	2.1	-2.6	2.5	2.9	0.4	-0.8	586	683	82	-179
Southwest	4.7	7.9	2.7	-3.8	4.7	4.9	0.5	-0.7	32,368	33,479	3,674	-4,786
Arizona	3.3	6.2	2.0	-3.1	3.3	3.6	0.4	-0.7	3,742	4,065	443	-766
New Mexico	2.4	7.4	1.1	-7.0	2.4	4.0	0.2	-1.9	676	1,162	57	-542
Oklahoma	4.3	7.6	1.9	-2.5	4.3	4.5	0.4	-0.6	2,500	2,605	215	-320
Texas	5.2	8.3	3.0	-4.0	5.2	5.3	0.6	-0.7	25,450	25,648	2,959	-3,157
Rocky Mountain	4.3	6.8	1.8	-2.2	4.3	4.2	0.4	-0.3	9,554	9,296	969	-711
Colorado	4.8	7.6	2.3	-3.6	4.8	4.8	0.5	-0.5	5,490	5,443	609	-562
Idaho	4.6	7.6	1.4	-0.6	4.6	4.4	0.3	-0.1	1,299	1,234	94	-30
Montana	2.2	5.0	0.7	-3.6	2.2	2.7	0.2	-0.7	395	483	34	-122
Utah	3.8	5.2	1.7	0.4	3.8	3.4	0.4	0.1	2,008	1,789	190	29
Wyoming	3.2	6.2	1.1	-1.5	3.2	3.1	0.4	-0.2	362	347	41	-26
Far West	2.8	5.2	1.2	-4.8	2.8	3.3	0.2	-0.8	29,827	35,644	2,675	-8,492
Alaska	2.2	4.7	1.5	-5.1	2.2	3.0	0.3	-1.0	287	380	34	-128
California	2.9	5.6	1.2	-5.9	2.9	3.6	0.2	-0.9	22,321	27,883	1,785	-7,346
Hawaii	4.0	6.2	2.2	-1.4	4.0	3.8	0.4	-0.3	914	873	103	-62
Nevada	4.3	7.2	1.5	-1.8	4.3	4.2	0.4	-0.3	2,172	2,143	185	-156
Oregon	4.0	6.6	1.0	-0.8	4.0	3.9	0.2	-0.2	2,687	2,657	137	-108
Washington	0.9	1.7	1.3	-3.1	0.9	1.1	0.3	-0.4	1,446	1,708	431	-693

1. Quarterly percent changes shown are annualized—that is, they are a percent change from the preceding period at annual rates.

2. Net earnings is earnings by place of work—the sum of wages and salaries, supplements to wages and salaries, and proprietors' income—less contributions for government social insurance plus an adjustment to convert earnings by place of work to a place-of-residence basis.

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

U.S. Bureau of Economic Analysis

Table 5. Contributions of Earnings to Percent Change in Personal Income, by Industry and by State and Region, 2023:Q2–2023:Q3—Continues

[Percentage points, seasonally adjusted at annual rates]

	Total earnings ¹	Earnings by industry											
		Farm	Forestry, fishing, and related activities	Mining, quarrying, and oil and gas extraction	Utilities	Construction	Manufacturing		Wholesale trade	Retail trade	Transportation and warehousing	Information	Finance and insurance
							Durable goods	Nondurable goods					
United States	3.99	-0.14	-0.02	0.09	0.00	0.47	0.21	0.12	0.13	0.16	0.11	0.00	0.31
New England	4.20	-0.03	-0.01	0.01	-0.02	0.53	0.08	0.13	0.22	0.11	0.14	0.10	0.47
Connecticut	4.03	-0.04	0.00	0.00	0.00	0.56	0.24	0.12	0.19	0.13	0.12	0.12	0.44
Maine	4.13	-0.18	-0.07	0.00	0.01	0.47	0.26	-0.01	-0.02	0.25	0.11	0.07	0.22
Massachusetts	4.59	-0.01	-0.01	0.02	-0.04	0.52	-0.08	0.13	0.31	0.03	0.18	0.13	0.58
New Hampshire	3.02	-0.04	-0.01	0.00	0.01	0.70	0.33	0.22	0.23	0.18	0.04	-0.01	0.24
Rhode Island	3.79	-0.02	-0.02	0.00	0.00	0.33	0.10	0.16	0.08	0.25	0.11	-0.05	0.45
Vermont	3.65	-0.01	-0.01	-0.01	0.00	0.50	0.17	0.17	-0.13	0.23	0.06	0.05	0.24
Mideast	3.73	-0.06	-0.01	0.03	-0.01	0.30	0.14	0.09	0.10	0.10	0.10	-0.07	0.14
Delaware	3.31	-0.84	-0.03	0.02	0.01	0.38	0.19	0.28	-0.05	0.19	0.07	-0.05	0.42
District of Columbia	12.53	0.00	0.00	0.01	-0.01	0.15	0.01	0.01	0.06	0.01	0.26	0.84	0.42
Maryland	3.07	-0.14	-0.01	0.00	0.00	0.53	0.12	-0.03	0.07	0.01	-0.01	0.03	0.12
New Jersey	4.00	-0.04	-0.01	0.03	0.00	0.36	0.17	0.13	0.11	0.17	0.15	0.24	0.39
New York	3.02	-0.01	0.00	0.04	-0.01	0.18	0.11	0.04	0.01	0.05	0.07	-0.38	-0.11
Pennsylvania	4.44	-0.08	0.00	0.03	-0.03	0.34	0.18	0.17	0.30	0.18	0.16	0.11	0.33
Great Lakes	3.75	-0.22	-0.01	0.00	-0.01	0.45	0.21	0.16	0.22	0.16	0.06	0.08	0.35
Illinois	3.83	-0.30	0.00	0.00	-0.03	0.39	0.04	0.25	0.24	0.14	0.07	0.11	0.52
Indiana	3.62	-0.45	-0.01	0.00	0.02	0.45	0.50	0.19	0.19	0.13	0.12	0.06	0.40
Michigan	2.93	-0.15	-0.02	-0.01	-0.04	0.36	0.08	0.22	0.11	0.16	0.09	0.10	0.26
Ohio	4.20	-0.17	-0.01	0.02	0.00	0.58	0.29	0.04	0.27	0.20	-0.03	0.09	0.24
Wisconsin	4.12	0.01	-0.01	0.00	0.01	0.48	0.33	0.04	0.25	0.17	0.09	-0.01	0.29
Plains	3.84	-0.05	-0.01	0.01	0.01	0.49	0.18	0.20	0.15	0.20	0.10	0.09	0.25
Iowa	2.57	-0.04	0.00	-0.01	-0.02	0.11	0.32	0.22	0.11	0.21	-0.06	0.14	0.14
Kansas	5.11	1.19	-0.01	0.08	0.02	0.45	0.33	0.07	0.17	0.12	-0.02	0.16	0.21
Minnesota	3.88	-0.32	-0.01	-0.01	0.05	0.66	0.15	0.17	0.12	0.21	0.29	0.05	0.27
Missouri	3.94	-0.33	0.00	0.03	0.02	0.41	0.15	0.11	0.14	0.22	0.08	0.08	0.29
Nebraska	4.75	1.15	-0.05	0.00	-0.09	0.58	-0.01	0.66	0.14	0.17	-0.05	0.13	0.27
North Dakota	1.44	-2.58	0.00	-0.23	0.00	0.40	0.16	0.22	0.56	0.22	0.16	0.05	0.15
South Dakota	3.50	-0.50	-0.05	-0.02	0.01	1.11	0.14	0.31	0.11	0.21	0.07	0.01	0.37
Southeast	3.82	-0.33	0.00	0.00	0.00	0.45	0.19	0.13	0.15	0.21	0.13	0.13	0.35
Alabama	3.64	-0.81	0.01	-0.02	0.02	0.49	0.45	0.11	0.17	0.22	0.11	0.05	0.29
Arkansas	1.62	-1.87	0.00	-0.01	0.03	0.34	0.06	0.10	0.23	0.08	-0.15	-0.06	0.20
Florida	3.65	-0.10	0.01	0.00	-0.01	0.41	0.15	0.08	0.23	0.23	0.23	0.15	0.44
Georgia	3.80	-0.51	0.00	0.00	-0.03	0.53	0.28	0.17	0.14	0.11	0.01	0.15	0.42
Kentucky	4.21	-0.17	-0.03	-0.02	0.02	0.96	0.32	0.23	0.07	0.17	0.12	0.05	0.05
Louisiana	4.05	-0.27	-0.02	0.10	0.02	0.42	0.15	0.35	0.30	0.13	0.09	0.18	0.24
Mississippi	1.28	-1.09	-0.04	0.00	-0.02	0.24	0.06	0.05	-0.06	0.28	-0.13	0.03	0.08
North Carolina	3.87	-0.41	0.01	0.00	-0.02	0.34	0.16	0.13	0.10	0.28	0.24	0.14	0.47
South Carolina	4.64	-0.26	0.02	0.00	0.04	0.54	0.35	0.13	0.18	0.33	0.19	0.03	0.26
Tennessee	4.88	-0.13	0.00	0.00	-0.01	0.59	0.24	0.20	0.08	0.41	0.04	0.12	0.38
Virginia	4.18	-0.13	-0.01	0.00	0.01	0.33	0.08	0.10	0.13	0.06	0.11	0.19	0.26
West Virginia	3.02	-0.13	0.00	0.04	0.03	0.46	0.16	0.08	-0.16	0.15	-0.02	0.04	0.13
Southwest	5.31	0.04	-0.02	0.57	0.03	0.78	0.32	0.17	0.14	0.18	0.13	0.09	0.45
Arizona	3.94	-0.09	-0.01	0.01	-0.02	0.80	-0.02	-0.01	0.10	0.09	0.03	0.04	0.36
New Mexico	4.48	0.13	0.00	0.18	0.02	0.65	0.13	0.05	0.10	0.09	0.18	-0.09	0.15
Oklahoma	4.76	0.24	-0.01	1.16	0.06	0.42	0.31	0.17	-0.15	0.16	0.16	0.01	0.35
Texas	5.74	0.04	-0.03	0.65	0.04	0.83	0.41	0.22	0.19	0.21	0.15	0.12	0.50
Rocky Mountain	4.51	0.04	-0.03	0.37	-0.02	0.51	0.20	0.06	-0.04	0.23	0.12	0.24	0.26
Colorado	5.15	0.14	-0.01	0.74	0.00	0.32	0.21	0.08	-0.04	0.14	0.18	0.19	0.14
Idaho	4.87	-0.13	-0.07	-0.08	0.01	0.80	0.41	0.01	-0.08	0.50	0.03	0.07	0.31
Montana	2.96	-0.27	-0.22	0.07	0.02	0.41	0.19	0.04	0.32	0.28	-0.03	-0.01	0.12
Utah	3.70	-0.02	0.00	0.02	-0.09	0.67	0.13	0.04	-0.12	0.26	0.12	0.56	0.59
Wyoming	3.40	0.26	0.00	-0.14	0.04	1.13	0.05	0.05	-0.06	0.18	-0.04	0.01	0.03
Far West	3.61	-0.15	-0.04	-0.01	0.01	0.42	0.25	0.04	0.08	0.14	0.08	-0.33	0.27
Alaska	3.25	-0.02	0.01	-0.43	0.00	0.39	-0.03	0.14	0.01	0.13	0.16	0.19	0.10
California	3.95	-0.13	-0.05	0.00	0.01	0.42	0.24	0.05	0.04	0.15	0.10	-0.02	0.29
Hawaii	4.21	-0.09	0.00	0.00	0.03	0.40	-0.02	0.06	-0.01	0.14	0.04	0.09	0.15
Nevada	4.71	0.00	0.00	-0.05	0.00	0.67	0.38	0.07	0.25	0.30	-0.05	0.06	0.29
Oregon	4.68	-0.26	-0.04	0.00	0.00	0.75	0.19	0.09	0.23	0.18	-0.05	0.14	0.20
Washington	1.04	-0.23	-0.06	0.00	0.01	0.21	0.35	-0.01	0.16	-0.01	0.12	-2.31	0.25

1. An industry's annualized contribution to percent change in personal income equals the dollar change in that industry's earnings divided by the dollar change in personal income then multiplied by personal income growth.

U.S. Bureau of Economic Analysis

Table 5. Contributions of Earnings to Percent Change in Personal Income, by Industry and by State and Region, 2023:Q2–2023:Q3—Table Ends

[Percentage points, seasonally adjusted at annual rates]

	Earnings by industry											
	Real estate and rental and leasing	Professional, scientific, and technical services	Management of companies and enterprises	Administrative and support and waste management and remediation services	Educational services	Health care and social assistance	Arts, entertainment, and recreation	Accommodation and food services	Other services (except government and government enterprises)	Government		
										Federal civilian	Military	State and local
United States	0.06	0.43	0.21	0.06	0.03	0.50	0.06	0.04	0.19	0.25	0.03	0.70
New England	0.01	0.64	0.40	-0.11	-0.01	0.55	0.07	0.07	0.11	0.16	0.03	0.56
Connecticut	-0.01	0.39	0.35	0.03	0.14	0.45	0.10	0.00	0.05	0.08	0.06	0.51
Maine	0.04	0.21	0.50	0.21	-0.07	0.72	0.09	0.08	0.14	0.38	0.02	0.70
Massachusetts	0.02	0.98	0.47	-0.07	-0.11	0.59	0.06	0.09	0.14	0.15	0.02	0.52
New Hampshire	0.02	0.32	0.26	-1.26	0.25	0.40	0.10	0.09	0.20	0.13	0.06	0.54
Rhode Island	0.05	0.29	0.30	0.14	-0.09	0.81	0.06	0.14	-0.09	0.27	0.06	0.44
Vermont	-0.01	0.00	0.10	0.13	-0.04	0.24	0.04	0.11	0.19	0.21	0.01	1.41
Mideast	0.03	0.39	0.17	0.13	0.13	0.67	0.03	0.01	0.19	0.33	0.02	0.78
Delaware	0.15	0.44	0.51	-0.03	0.05	0.66	0.14	0.07	0.01	0.12	0.02	0.58
District of Columbia	0.04	3.00	0.22	0.04	0.01	0.16	0.26	-0.14	1.39	4.81	0.24	0.72
Maryland	0.04	0.22	-0.15	0.14	-0.20	0.30	-0.07	0.05	0.25	0.91	0.05	0.82
New Jersey	0.04	-0.04	0.30	0.16	0.15	0.60	0.02	-0.11	0.15	0.13	0.02	0.88
New York	0.03	0.47	0.04	0.06	0.33	0.79	0.06	0.05	0.16	0.14	0.03	0.91
Pennsylvania	0.02	0.50	0.41	0.26	-0.05	0.74	0.00	0.05	0.18	0.21	-0.02	0.45
Great Lakes	0.03	0.29	0.28	0.01	0.00	0.47	0.08	0.05	0.16	0.17	0.03	0.71
Illinois	0.02	0.38	0.23	0.00	-0.03	0.52	0.10	0.10	0.13	0.19	0.09	0.68
Indiana	0.11	0.20	0.20	-0.01	0.06	0.28	-0.03	0.03	0.27	0.16	-0.01	0.78
Michigan	0.05	0.05	0.19	0.05	-0.02	0.26	0.11	-0.01	0.17	0.17	0.01	0.71
Ohio	-0.03	0.37	0.41	-0.04	0.01	0.62	0.13	0.04	0.13	0.20	0.02	0.86
Wisconsin	0.04	0.40	0.41	0.10	0.05	0.59	0.07	0.10	0.18	0.13	0.02	0.39
Plains	0.03	0.14	0.33	0.08	0.01	0.51	0.05	-0.01	0.21	0.20	-0.01	0.69
Iowa	-0.01	0.14	0.14	-0.07	-0.03	0.34	0.05	-0.01	0.16	0.13	-0.01	0.61
Kansas	0.02	0.21	0.20	0.07	-0.04	0.54	0.01	0.07	0.21	0.24	0.03	0.81
Minnesota	-0.01	0.02	0.35	0.05	-0.04	0.76	0.04	0.00	0.18	0.16	0.02	0.71
Missouri	0.09	0.27	0.53	0.15	0.10	0.51	0.09	-0.08	0.27	0.22	-0.09	0.68
Nebraska	-0.01	0.11	0.27	0.16	-0.04	0.19	0.08	-0.02	0.23	0.21	0.02	0.66
North Dakota	0.00	0.09	0.21	0.20	0.08	0.26	0.04	0.05	0.17	0.41	-0.01	0.83
South Dakota	0.05	0.13	0.18	0.07	-0.02	0.26	0.05	0.07	0.19	0.23	0.06	0.48
Southeast	0.07	0.50	0.07	0.06	0.00	0.51	0.04	0.01	0.21	0.30	0.03	0.62
Alabama	0.04	0.47	0.20	-0.04	0.01	0.30	0.07	0.00	0.18	0.38	0.19	0.73
Arkansas	0.03	0.38	0.48	0.02	0.03	0.59	0.04	0.08	0.25	0.20	0.01	0.54
Florida	0.08	0.68	-0.54	0.03	0.04	0.64	-0.02	-0.02	0.22	0.22	0.04	0.47
Georgia	0.11	0.14	0.42	0.16	0.03	0.19	0.04	0.15	0.18	0.35	0.04	0.72
Kentucky	0.01	0.33	0.21	0.01	-0.03	0.90	0.03	0.05	0.23	0.31	-0.23	0.61
Louisiana	0.09	0.23	0.16	0.26	0.08	0.25	-0.01	0.12	0.21	0.21	0.05	0.72
Mississippi	0.01	0.20	0.14	-0.26	-0.02	0.66	0.06	-0.16	0.16	0.30	0.16	0.64
North Carolina	0.07	0.57	0.33	0.21	-0.07	0.54	0.11	0.05	0.17	0.23	-0.35	0.55
South Carolina	0.04	0.37	0.17	0.03	-0.01	0.57	0.05	0.02	0.27	0.22	0.37	0.74
Tennessee	0.04	0.66	0.27	-0.02	-0.08	0.56	0.20	0.10	0.35	0.32	0.01	0.56
Virginia	0.05	0.58	0.44	0.02	-0.02	0.45	-0.02	-0.16	0.12	0.51	0.22	0.85
West Virginia	0.03	0.37	0.15	0.13	0.02	0.27	0.04	-0.11	0.30	0.38	0.02	0.62
Southwest	0.13	0.32	0.21	0.08	0.01	0.42	0.04	0.08	0.14	0.25	0.06	0.70
Arizona	0.23	0.28	0.20	0.08	-0.01	0.47	0.05	0.12	0.18	0.22	0.03	0.81
New Mexico	0.04	0.20	0.07	0.14	0.10	0.42	0.06	0.08	0.06	0.40	0.06	1.28
Oklahoma	0.01	-0.15	0.21	0.09	0.00	0.33	0.03	0.04	0.15	0.38	-0.05	0.85
Texas	0.12	0.39	0.22	0.08	0.00	0.42	0.04	0.08	0.13	0.24	0.08	0.62
Rocky Mountain	0.05	0.59	0.24	0.09	0.04	0.07	0.08	0.01	0.17	0.25	0.00	0.97
Colorado	0.07	0.86	0.33	0.03	0.04	0.17	0.09	0.00	0.14	0.27	-0.02	1.08
Idaho	0.01	0.41	0.19	0.23	0.16	0.51	0.06	0.08	0.23	0.26	0.01	0.93
Montana	0.01	0.21	0.05	0.21	0.06	0.39	0.05	0.03	0.18	0.28	0.02	0.54
Utah	0.06	0.25	0.20	0.09	-0.04	-0.54	0.07	0.01	0.21	0.21	0.04	1.01
Wyoming	-0.04	0.52	-0.01	0.17	-0.01	0.28	0.08	-0.12	0.14	0.28	0.06	0.53
Far West	0.07	0.54	0.29	0.04	0.04	0.50	0.10	0.07	0.22	0.19	0.06	0.73
Alaska	0.06	0.21	0.10	0.07	0.00	0.70	0.09	0.09	0.05	0.47	0.53	0.23
California	0.06	0.57	0.22	0.02	0.06	0.50	0.12	0.07	0.24	0.16	0.04	0.81
Hawaii	0.06	0.28	0.21	0.02	0.05	0.21	0.11	0.17	0.22	0.66	0.81	0.62
Nevada	0.09	0.46	0.40	0.17	0.01	0.32	0.20	0.34	0.18	0.30	0.04	0.26
Oregon	0.12	0.41	0.68	0.11	0.02	0.64	0.08	0.07	0.16	0.21	0.01	0.76
Washington	0.05	0.57	0.47	0.05	-0.02	0.55	-0.02	-0.04	0.22	0.19	0.01	0.53

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