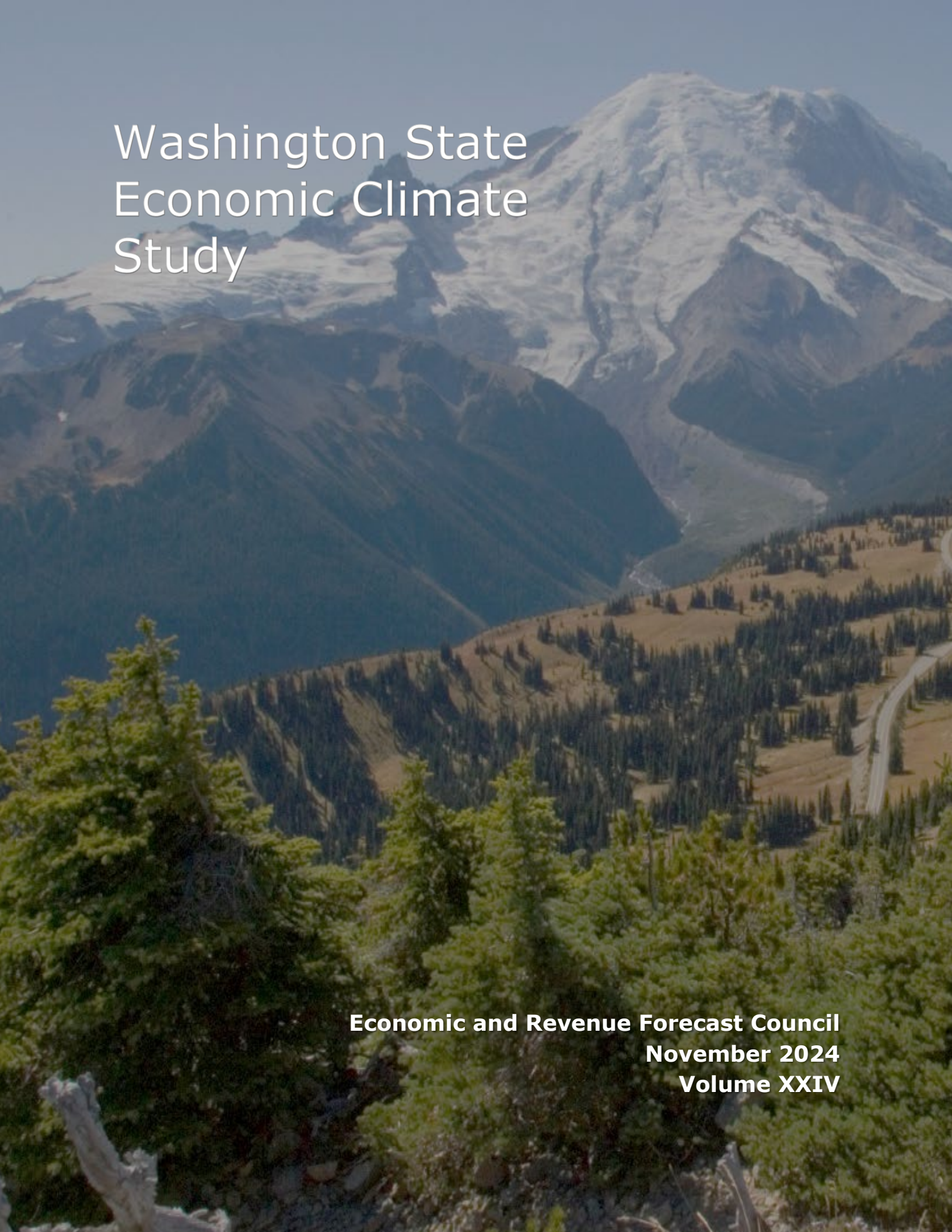

# Washington State Economic Climate Study

**Economic and Revenue Forecast Council**
**November 2024**
**Volume XXIV**

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**Editor's Note**

The 1996 Legislature passed Substitute House Bill 2758 creating the Economic Climate Council (ECC). The ECC is responsible for selecting a series of benchmarks that characterize the competitive environment of the state. The benchmarks are indicators of the quality of life, education and skills of the workforce, infrastructure, and the costs of doing business.

# Washington State Economic Climate Study

Prepared by the
Economic and Revenue Forecast Council

November 2024
Volume XXIV

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# Executive Summary

- **The Economic Climate Study is a snapshot of Washington's performance and ranking both compared to other states and to its own history.**
- **The rankings are from best to worst from the perspective of businesses with a rank of one being the best.**
- **Washington's composite rank dropped from 7th to 11th best in the nation in this year's study.**

## Washington's Economic Climate Study

*The study provides information about our competitive standing in relation to the other states*

This report updates the State of Washington's Economic Climate Study, last published in December 2023. The study provides information about Washington's competitive standing in relation to other states. It is based on the premise that, while improving productivity is primarily the domain of Washington's business sector, appropriate state and local policies, particularly those relating to education, public safety, infrastructure, cost of doing business, and the environment, are essential to promote higher standards of living.

*Overall, forty-nine indicators are presented*

The benchmarks considered in this study focus on the four themes: innovation drivers, business performance, economic growth and competitiveness, and quality of life. The category "Innovation Drivers" is broken into three sub-groups: talent and workforce, entrepreneurship and investment, and infrastructure. The category "business performance" is further broken down into business prosperity and cost of doing business. Overall, forty-nine indicators are presented.

## Recent Performance

*Washington improved in two of the four major categories*

Washington's rank improved in nine cases, worsened in sixteen cases, and stayed the same in ten. Fourteen indicators were not updated in this year's climate study. Two of the four major categories in the climate study improved in rank from last year while two declined.

*Innovation Drivers decreased from 3rd to 6th in the nation*

Washington's rank for *Innovation Drivers* decreased from 3rd best to 6th best in the nation. Washington has historically performed very well in this category. Washington has never ranked worse than 7th in *Innovation Drivers* since data started being kept in 2002. Two of *Innovation Driver*'s indicators improved while eight worsened, and four indicators remained unchanged; four indicators were not updated. The Talent and Workforce subcategory was the worst performing, with five indicators declining. The establishment birth rate had the most significant change in terms of rank, falling from 12th to 38th in the nation.

*Business Performance fell from 20th to 31st in the nation*

Washington's ranking in *Business Performance* fell from 20th to 31st best in the nation. Of the ten indicators in *Business Performance*, Washington's rank improved in two, worsened in three and was unchanged in two. Three indicators were not updated. In the subcategory *Business Prosperity*, one indicator improved, two worsened, one was unchanged, and one was not updated. In the *Cost of Doing Business* category, one indicator improved, one declined, one was unchanged, and one was not updated. Change in the high wage sectors' share of total employment had the largest change in rank, falling from 2nd to 47th in the nation.

*Economic Growth and Competitive -ness improved to 16th place from 21th*

Washington's ranking in the *Economic Growth and Competitiveness* improved to 16th from 21st in the nation in this year's study. The state's rank improved in three instances, worsened in four, and remained unchanged in three; one indicator was not updated. Washington's ranking in the per capita income growth rate had the largest change, improving from 34th to 3rd highest in the nation.

*Quality of Life improved to 15th place from 16th*

*Quality of Life* improved to 15th from 16th in the nation in this year's study. The state's rank improved in two instances, worsened in one, and remained unchanged in one; six indicators were not updated. Toxins released had the largest change in this category, rising from 14th to 8th best in the nation.

*This is a snapshot of Washington's performance*

This report is a snapshot of Washington's ranking both compared to other states and to its own history. This analysis begins with a description of each indicator followed by a chart. Associated tables can be found at the end of each chapter. Each table ranks the states based on performance and each chart shows how Washington has fared over history. In each case, the ranking is from best to worst with a rank of one being the best.

## National Ranking Index

*This year's study includes an index which ranks every state*

The 2024 Washington State Economic Climate Study includes the composite score of every state in the nation. These scores are then ranked to gauge Washington's economic competitiveness with more accuracy.

*The composite score equally weights four categories*

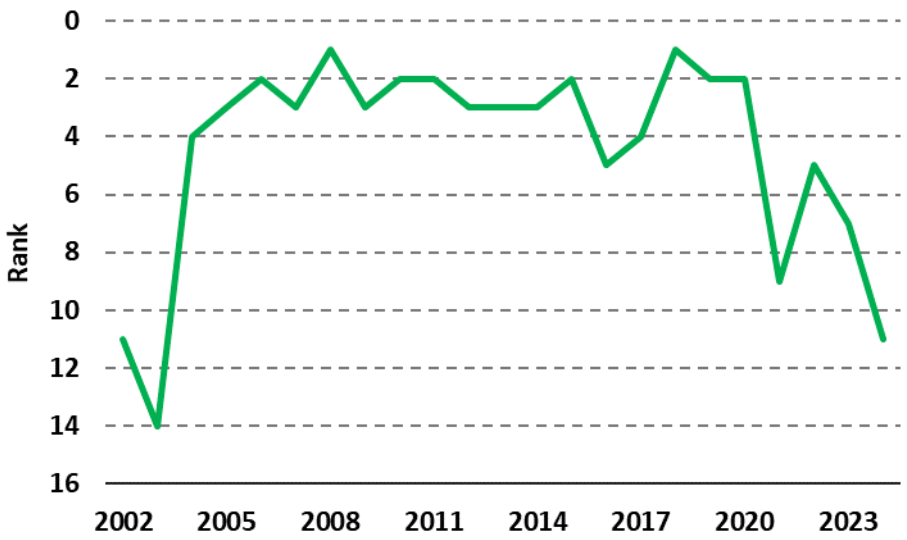
The composite score equally weights each of the four chapters and effectively takes the average of the four. Each chapter's rank is the average of the subcategories or indicators within it. This equal weighting approach was selected to minimize subjectivity regarding the importance of any given measure in constructing the composite state scores. The drawback to weighting in this manner is that indicators in different chapters have weights that may not appear reasonable. In chapters with only a few indicators, each measure is weighted more heavily than in chapters with a relatively large number of indicators.

*Each state's composite score is ranked for comparison*

After each state's indicators have been compiled into a composite score, these scores are then ranked. The composite score for each state equally weights each chapter and each chapter is an average of the indicator ranks that it contains. The composite score is therefore a rough approximation of where the state tends to rank on average instead of an actual ranking itself. Therefore, it is possible for two states to have almost identical composite scores. For example, Alaska, Georgia, and New York have composite scores of 27.4. These scores do not mean that these states rank 27$^{th}$, they merely both tend to rank about 27$^{th}$ *on average*. In fact, Alaska ranked 38$^{th}$, Georgia ranked 37$^{th}$, and New York ranked 36$^{th}$ in 2024. No composite score will be 1$^{st}$ or 50$^{th}$ because scores will converge around the average score of 25. This index will rank states based on how much they outperform or underperform the average score of 25. For example, the best composite score in the nation in 2024 is Utah with 17.3 while the worst is Louisiana with 33.4. The index creates a rank that more accurately compares Washington to the rest of the nation than the composite score alone.

**Figure ES.1: Washington Overall Rank**

*Washington's rank has declined the past two years*




Source: ERFC, data through 2023

*Washington's composite score ranked 11th best in the nation*

Washington's 2024 composite score of 22.0 means that Washington tends to rank around 22nd in any given indicator on average. While this can be used to evaluate Washington's performance over time, it does not actually mean that Washington is the 22nd best state; 22.0 is the 11th lowest composite score in the nation, which makes Washington the 11th best state in the nation based on the indicators in the 2024 Washington State Economic Climate Study.

**Table ES.1: Washington Overall Rank**

| Year | Rank |
|---|---|
| **2002** | 11 |
| **2003** | 14 |
| **2004** | 4 |
| **2005** | 3 |
| **2006** | 2 |
| **2007** | 3 |
| **2008** | 1 |
| **2009** | 3 |
| **2010** | 2 |
| **2011** | 2 |
| **2012** | 3 |
| **2013** | 3 |
| **2014** | 3 |
| **2015** | 2 |
| **2016** | 5 |
| **2017** | 4 |
| **2018** | 1 |
| **2019** | 2 |
| **2020** | 2 |
| **2021** | 9 |
| **2022** | 5 |
| **2023** | 7 |
| **2024** | 11 |

Source: ERFC

Table ES.2
Executive Summary
**Current and Five-Year Average Rankings**

| Indicator/Benchmark | Rank | |
|---|---|---|
| | Current | 5Y Avg |
| ***Innovation Drivers*** | ***6*** | ***3*** |
| ***Talent and Workforce*** | | |
| Total Public Two and Four Year Combined College Participation Rate | 35 | 33 |
| Education Attainment: Completed 9th Grade or Less | 24 | 23 |
| Education Attainment: Completed Four Years of High School or More | 16 | 16 |
| Education Attainment: Completed Bachelor's Degree or More | 11 | 10 |
| Research Doctorates Awarded Per Capita | 40 | 38 |
| Migration Rate | 32 | 19 |
| H-1B Visas | 1 | 1 |
| ***Entrepreneurship and Investment*** | | |
| Per Capita University Research and Development Spending | 28 | 25 |
| Per Capita Industry Research and Development Spending | 1 | 1 |
| Per Capita Government Research and Development Spending | 16 | 19 |
| Patents Issued Per 100,000 Residents | 3 | 3 |
| Venture Capital Investment | 7 | 7 |
| Establishment Birth Rate | 38 | 18 |
| ***Infrastructure*** | | |
| Interstate Miles in Poor Condition | 23 | 38 |
| FAA Air Traffic | 36 | 38 |
| Households with a Broadband Internet Subscription (Percent) | 3 | 1 |
| Unlinked Passenger Trips Per Capita | 5 | 6 |
| Rail Freight Value | 17 | 16 |
| ***Business Performance*** | ***31*** | ***16*** |
| ***Business Prosperity*** | | |
| Foreign Exports | 12 | 10 |
| Foreign Exports Excluding Transportation Equipment | 14 | 14 |
| High Wage Industries' Share of Total Employment | 6 | 9 |
| Growth in High Wage Industries' Share of Total Employment | 47 | 12 |
| Value Added per Hour of Labor in Manufacturing (weighted) | 49 | 16 |
| Value Added per Hour of Labor in Manufacturing (unweighted) | 47 | 40 |
| ***Cost of Doing Business*** | | |
| Electricity Costs | 5 | 6 |
| State and Local Tax Collections Per $1,000 Personal Income | 20 | 24 |
| Unemployment Insurance Costs | 43 | 34 |
| Workers' Compensation Premium Costs | 27 | 31 |

Table ES.2 (continued)
Executive Summary
**Current and Five-Year Average Rankings**

| Indicator/Benchmark | Rank | |
|---|---|---|
| | Current | 5y Avg |
| ***Economic Growth and Competitiveness*** | ***16*** | ***14*** |
| Per Capita Personal Income | 5 | 6 |
| Per Capita Personal Income Growth Rate | 3 | 8 |
| Relative Value of $100 | 48 | 46 |
| Total Employment Growth Rate | 24 | 14 |
| Median Household Income | 10 | 7 |
| Unemployment Rate | 43 | 39 |
| Housing Affordability Index | 47 | 45 |
| Income Spent on Rent | 44 | 42 |
| Average Wage | 3 | 3 |
| Per Capita GDP | 3 | 3 |
| Labor Force Participation | 18 | 18 |
| ***Quality of Life*** | ***15*** | ***16*** |
| Property Crime | 50 | 48 |
| Violent Crime | 28 | 21 |
| Arrest Rates for Violent Crime | 22 | 20 |
| Air Quality | 37 | 39 |
| Drinking Water | 4 | 2 |
| Toxins Released | 8 | 14 |
| State Health Index | 7 | 8 |
| State Parks and Recreation Areas | 6 | 9 |
| State Arts | 30 | 32 |
| Public Library Service | 4 | 5 |

Table ES.3
Executive Summary
**Changes in Benchmark Performance and Rank**

| Indicator/Benchmark | Performance | Rank |
|---|---|---|
| ***Innovation Drivers*** | | |
| ***Talent and Workforce*** | | |
| Total Public Two and Four Year Combined College Participation Rate | Worsened | Unchanged |
| Education Attainment: Completed Less than 9th Grade | Unchanged | Worsened |
| Education Attainment: Completed Four Years of High School or More | Improved | Worsened |
| Education Attainment: Completed Bachelor's Degree or More | Improved | Worsened |
| Educational Attainment: Research Doctorates Awarded | Improved | Worsened |
| Migration Rate | Worsened | Worsened |
| H-1B Visas | Not Updated | Not Updated |
| ***Entrepreneurship and Investment*** | | |
| Per Capita Spending in Research and Development, University | Improved | Worsened |
| Per Capita Spending in Research and Development, Industry | Not Updated | Not Updated |
| Per Capita Spending in Research and Development, State Government | Not Updated | Not Updated |
| Patents Issued Per 100,000 Population | Worsened | Unchanged |
| Venture Capital Investment | Worsened | Improved |
| Establishment Birth Rate | Worsened | Worsened |
| ***Infrastructure*** | | |
| Interstate Miles in Poor Condition | Improved | Improved |
| FAA Air Traffic Delays | Unchanged | Unchanged |
| Households with a Broadband Internet Subscription (Percent) | Not Updated | Not Updated |
| Unlinked Passenger Trips Per Capita | Improved | Unchanged |
| Rail Freight Value | Worsened | Worsened |
| ***Business Performance*** | | |
| ***Business Prosperity*** | | |
| Total Foreign Exports | Worsened | Worsened |
| Foreign Exports Excluding Transportation Equipment | Worsened | Unchanged |
| High Wage Industries' Share of Total Employment | Worsened | Worsened |
| Growth in High Wage Industries' Share of Total Employment | Worsened | Worsened |
| Value Added per Hour of Labor in Manufacturing (weighted) | Not Updated | Not Updated |
| Value Added per Hour of Labor in Manufacturing (unweighted) | Not Updated | Not Updated |
| ***Cost of Doing Business*** | | |
| Electricity Prices | Improved | Improved |
| State and Local Tax Collections Per $1,000 Personal Income | Worsened | Improved |
| Unemployment Insurance Costs | Worsened | Unchanged |
| Workers' Compensation Premium Costs | Not Updated | Not Updated |
| ***Economic Growth and Competitiveness*** | | |
| Per Capita Personal Income | Improved | Improved |
| Per Capita Personal Income Growth Rate | Improved | Improved |
| Regional Price Parities - Relative Value of $100 | Worsened | Worsened |
| Total Employment Growth Rate | Worsened | Worsened |
| Real Median Household Income | Not Updated | Not Updated |
| Unemployment Rate | Unchanged | Worsened |
| Housing Affordability Index | Worsened | Worsened |
| Income Spent on Rent | Worsened | Unchanged |
| Total Average Wages | Improved | Improved |
| Real Per Capita GDP | Improved | Unchanged |
| Labor Force Participation | Improved | Unchanged |

Table ES.3 (continued)
Executive Summary
**Changes in Benchmark Performance and Rank**

| **Indicator/Benchmark** | | |
|---|---|---|
| ***Quality of Life*** | | |
| Property Crime Rate | Not Updated | Not Updated |
| Violent Crime Rate | Not Updated | Not Updated |
| Arrests Per Violent Crime | Not Updated | Not Updated |
| Air Quality | Not Updated | Not Updated |
| Drinking Water | Improved | Improved |
| Toxins Released | Not Updated | Not Updated |
| State Health Index | Not Updated | Not Updated |
| State Parks and Recreation Areas | Improved | Improved |
| State Arts | Worsened | Worsened |
| Public Library Service | Improved | Unchanged |

# Chapter 1: Innovation Drivers – Summary

- **Washington ranks 6th best in the nation in *Innovation Drivers* this year, down from 3rd the year before. Fourteen of the eighteen indicators in this category were updated: two improved in rank, eight worsened, and four remained unchanged*.**
- **In the subcategory *Talent and Workforce*, Washington's rank did not improve in any of the indicators, worsened in five, and was unchanged in one. One indicator was not updated.**
- **In the subcategory *Entrepreneurship and Investment*, the state's rank improved in one indicator, worsened in two, and was unchanged in one. Two indicators were not updated.**
- **In the subcategory *Infrastructure*, Washington's rank improved in one indicator, worsened in one and was unchanged in two. One indicator was not updated.**

## Talent and Workforce

### Public Two- and Four-Year College Combined Participation Rate

*Combined two- and four-year college participation rates allow more accurate comparisons*

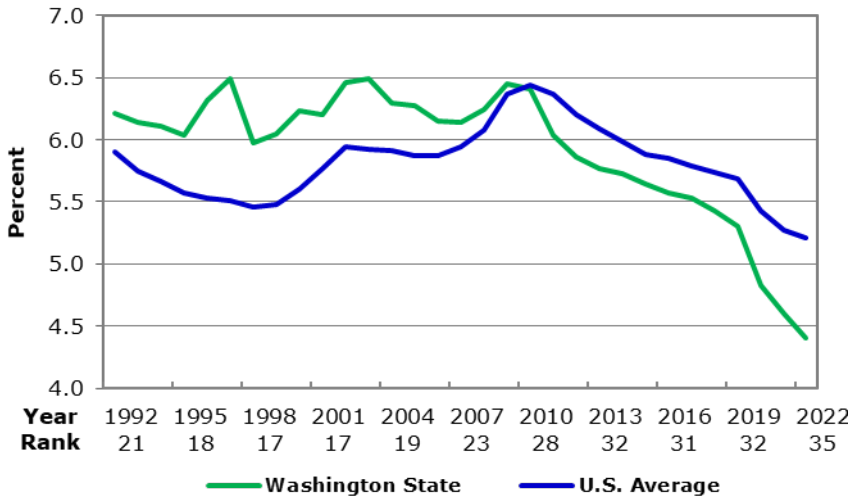
Washington, more than most states, relies heavily on the community college system to provide the first two years of a college education. As a result, Washington and states with similar policies have higher than average two-year participation rates and lower than average four-year participation rates. Since two- and four-year participation rates presented separately give a skewed view of Washington's overall participation rate, this report combines the two statistics. With this adjustment, states that are more reliant on community college systems can be better compared to other states.

* The 2023 Economic Climate Study was compiled later in the year than usual. National data that are released late in the year and normally used in the next year's study were captured in the 2023 study. Those indicators are not updated for the 2024 study. They are: H1B visas, university research and development, private sector research and development, and percent of household with internet.

*Washington's combined participation rate remains far below the national average*

Historically, Washington's public two- and four-year college participation rate has been higher than the 50-state average. In the fall of 2011, however, the 50-state average rate surpassed that of Washington for the first time in the history of this index, at 6.4 percent compared to Washington's 6.0 percent. Both the Washington and the 50-state average participation rates have been declining since 2010. In 2020, Washington's participation rate decreased from 5.3 percent to 4.8 percent, the largest percentage drop in the past 5 years for the state. In 2022, the state's participation rate fell again, but the ranking held steady at 35th. Washington's average participation rate from 2018-22 is 4.9 percent, below the 50-state average of 5.5 and ranking 33rd among the states.

**Figure 1.1: Public Two- and Four-Year College Combined Participation Rate**




Source: National Center for Education Statistics, U.S. Department of Education; Population Division, U.S. Census Bureau; data through 2022

## Education Attainment: Completed Less than 9th Grade

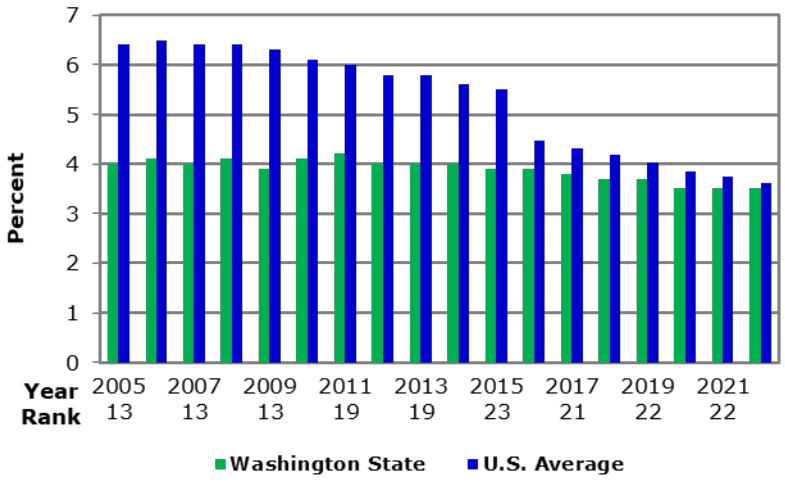
*The Census tabulates the percent of the population with less than a 9th grade education*

The U.S. Census Bureau, as a part of its annual American Community Survey, tabulates the percent of the population aged 25 years or older that has less than a 9th grade education. The less than 9th grade education indicator gives an important look at the approximate size of the pool of low-skill workers in the state economy. Additionally, this indicator has economic significance on personal incomes, as there is a positive correlation between earnings and level of education. Combined with other educational attainment indicators, this indicator helps give a complete picture of the educational attainment level of the state's population.

*In 2022, 3.5 percent of Washington's population has less than a 9th grade education*

In 2022, the Census Bureau reported that 3.5 percent of Washington's population aged 25 years or older had less than a 9th grade education, marking the third consecutive year at that rate. The state's rank, however, fell from 22nd to 24th. Washington's percentage was better than the United States average of 3.6. The state's five-year average rank was 23rd, with an average of 3.6 compared to the nation's five-year average of 3.6.

**Figure 1.2: Educational Attainment: Completed Less than 9th Grade**




Source: U.S. American Community Survey, Bureau of the Census; data through 2022

## Educational Attainment: Completed Four Years of High School or More

*The Census tabulates the percent of the population that has completed high school*

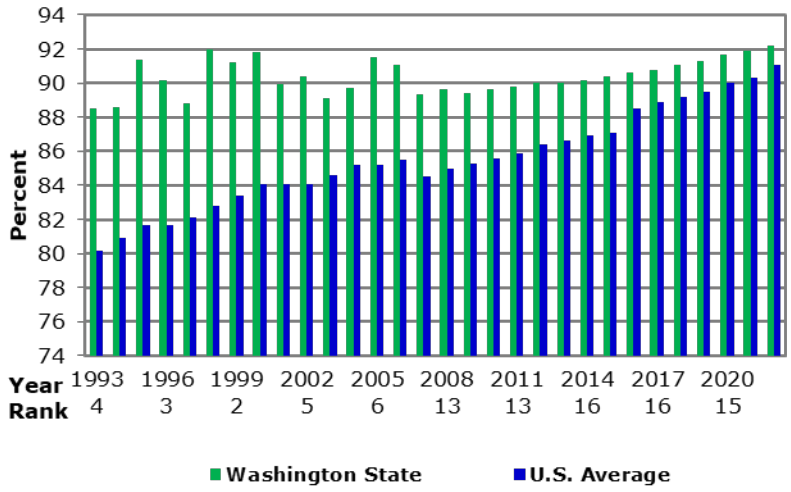
In the annual American Community Survey, the U.S. Census Bureau measures the percent of the population aged 25 years or older that has completed four years of high school. A completed high school degree is necessary to continue toward associate's, bachelor's, or other advanced degrees, so this indicator can be seen as the portion of the population that has completed four years of high school *or more*. As one indication of the economic relevance of this measure, in 2023 the median weekly earnings for individuals 25 and older who did not graduate from high school was only $721 while for those with only a high school diploma median weekly earnings were $905.

*In 2022, Washington's rank was 16th place in the nation for high school completion rates, down one place from 2021*

In Washington, 92.2 percent of the population has completed four years of high school or more in 2022, an increase from 91.9 percent in 2021. Washington's rank was 16th overall, a small tick down from 15th in 2021. The U.S. average was lower at 91.1 percent in 2022. Historically, Washington performed highly in this category. The state ranked in the top five nationally from 1991 (when data started being collected) to 2000. Since then,

however, the state's ranking has fallen and averaged 16th over the past five years. The state's five-year average value of 91.6 percent remains 1.6 percentage points higher than the five-year national average of 90.0 percent.

**Figure 1.3: Educational Attainment: Completed Four Years of High School or More**




Source: American Community Survey, Bureau of the Census; data through 2022

## Educational Attainment: Completed Bachelor's Degree or More

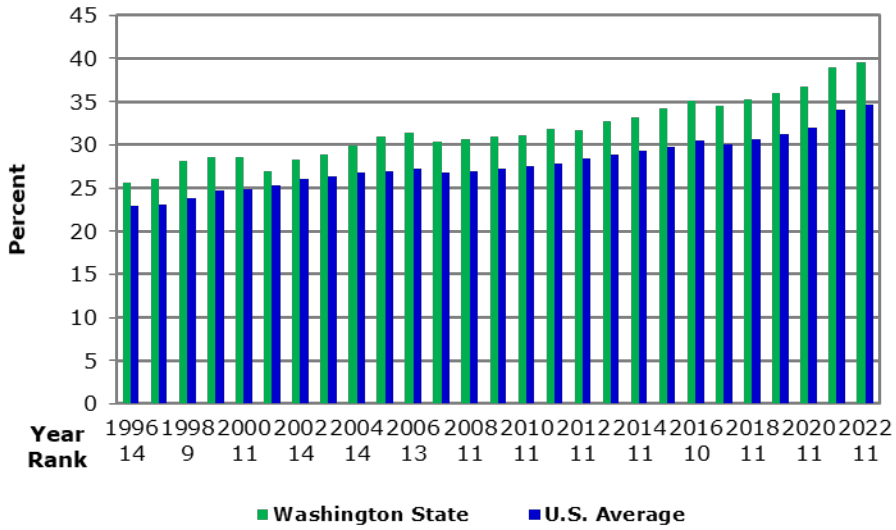
*Higher educational attainment is associated with higher earnings*

The American Community Survey, conducted by the U.S. Census Bureau, reports the percent of the population aged 25 years or older that has obtained a bachelor's degree or higher. Measuring the number of bachelor's degrees earned by a population is economically important because a population's educational attainment is indicative of the skill of its workforce. Additionally, higher educational attainment is associated with higher earnings. In 2023, for example, the median weekly earnings for individuals 25 and older with a bachelor's degree was $1,499, while the median was $1,012 for those with only an associate's degree.

*The state's rank fell to 11th in 2022 from 10th in 2021*

Washington's rank decreased to 11th place in the nation for the percent of its population with a completed bachelor's degree or more in 2022. Washington's position had previously been 10th in 2021. The percentage of residents aged 25 or older with a bachelor's degree or more has been increasing annually from 34.5 percent in 2017 to 39.5 percent in 2022. Washington's five-year average is 37.3 percent, placing it at 10th in the nation. The five-year national average is 32.5 percent.

**Figure 1.4: Educational Attainment: Completed Bachelor's Degree or More**




Source: U.S. Department of Commerce, Bureau of the Census; data through 2022

## Educational Attainment: Research Doctorates Awarded

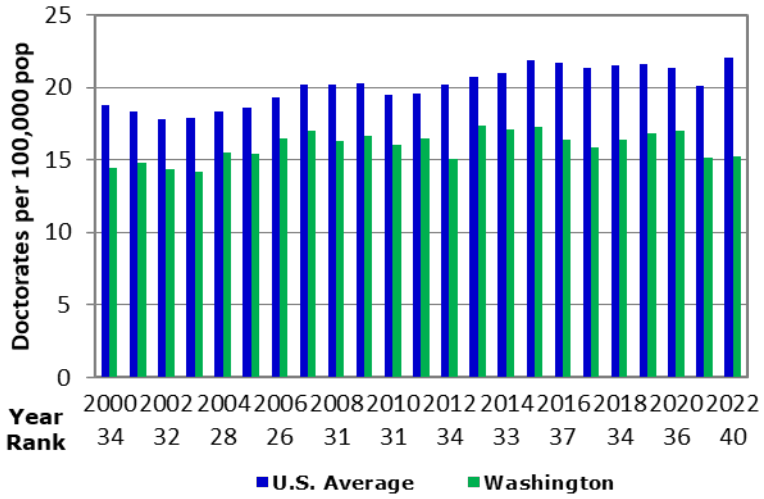
*The NSF conducts an annual census of research doctorates received*

As part of the Survey of Earned Doctorates (SED), the National Science Foundation conducts an annual census of individuals who received a research doctorate in a given academic year from an accredited institution in the United States. A research doctorate, the most common being a Ph.D., requires the completion of a dissertation or equivalent cumulating project. Professional degrees such as the M.D., D.D.S., O.D., D.V.M., and J.D. are not covered by the SED.

*Washington's ranking was 40th in 2022, down from in 36th 2021*

In 2022, the number of individuals who received research doctorates in Washington was 923. Washington's number of doctoral degrees per 100,000 adults increased to 15.2 from the 2021 rate of 15.1. Washington's rank was 40th, down from 36th in 2021. In 2022, the average amount of doctorates awarded per 100,000 people in the nation was 22.0. Washington's five-year average of 16.1 research doctorates awarded per 100,000 people ranked 38th among the states, below the national average of 21.3.

**Figure 1.5: Education Attainment: Research Doctorates Awarded, per 100,000 population age 18+**



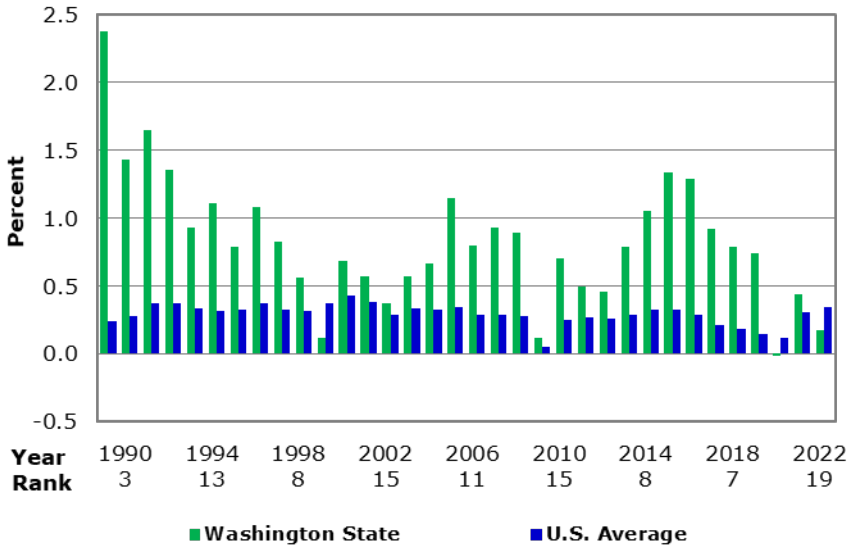

Source: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates; data through 2022

## Migration Rate

*Washington fell from 19th in migration rate to 32nd in 2023*

Historically, Washington has been a relatively popular destination for international and domestic migration, ranking 7th in terms of total migration in 2018 and 8th in 2019. The migration rate dropped in 2021 and was 0.2 percent in 2023. Washington's five-year average migration rate is 0.4 percent, ranking 19th highest among the states listed.

**Figure 1.6: Migration Rate**




Source: Population Division, U.S. Census Bureau; data through 2023

*Washington domestic migration has been negative since 2021*

Washington population growth in 2023 was 0.4 percent, while the U.S. was 0.5 percent. Net international migration to Washington decreased from 37,512 in 2022 to 28,919 in 2023 and net domestic migration fell from -3,580 to -15,276.

## H-1B Visas

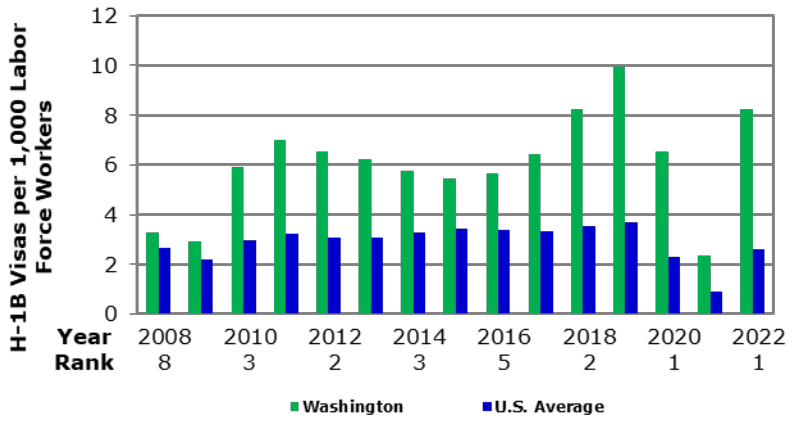
*H-1B visas allow U.S. employers to hire foreign workers in "specialty occupations"*

H-1B visas allow U.S. employers to hire foreign workers in "specialty occupations" which are defined as "requiring theoretical and practical application of highly specialized knowledge". The applicant must also have at least a bachelor's degree or its equivalent. These workers are typically hired for highly skilled jobs in technology or other specialized fields. The quantity of H-1B visa applications relative to the size of the labor force within a state is an indicator of the demand for highly skilled labor in innovative fields.

*In 2022, Washington regained its 1st place ranking for H-1B visas per 1,000 labor force*

In 2020 and 2021, H-1B visa rates fell across the board in the U.S. In Washington, 2.37 out of every 1,000 workers held an H-1B visa in 2021, a substantial decrease from 9.92 in 2019. However, in 2022 the Washington rate bounced back to 8.24 and the state regained its 1st place rank in the country after falling to a rank of 2nd in 2021. Washington's five-year average is 7.06, the highest in the nation.

**Figure 1.7: H-1B Visas**




Source: Department of Homeland Security; data through 2022

## Entrepreneurship and Investment

### Per Capita Spending in Research and Development, University, Industry, and Government

*Research and development is a good indicator of innovation*

The amount of research and development activity occurring within a state relative to the size of its population provides a good indication of that state's capacity for innovation. Industrial research and development brings new products and processes for continued growth. University and government research and development can provide basic research to support local technology hubs and can also attract funding from outside of the state.

*The data are presented on a per-capita basis*

The Division of Science Resources Studies (SRS) of the National Science Foundation annually compiles surveys of industries, universities, state government, and other agencies into a report titled National Patterns of Research and Development Resources.

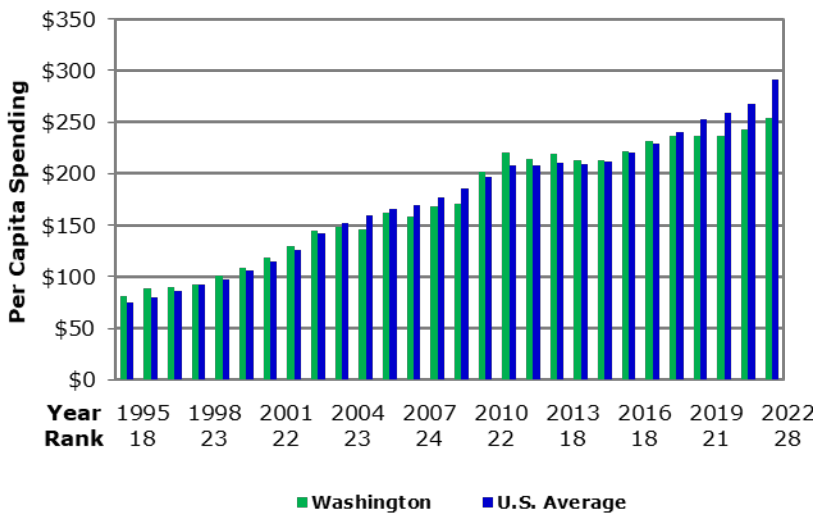
*This report indicates the state in which the research and development activity took place*

This report indicates the state in which the research and development activity took place regardless of the state of the sponsoring party. The state spending figures for industrial, university, state government, and total research and development spending can be divided by the state populations to derive per capita spending. The most recent year of industry spending data available is 2021, 2022 for state spending data, and is 2022 for university spending.

*WA's rank in university R&D spending fell*

In 2022, Washington's rank in university R&D spending fell to 28th in the nation. In 2022, Washington universities spent $253 per capita in R&D. Washington is below the U.S. average of $291. The five-year average for Washington State was $241, ranking 25th.

**Figure 1.8: Per Capita Spending in Research and Development, University**

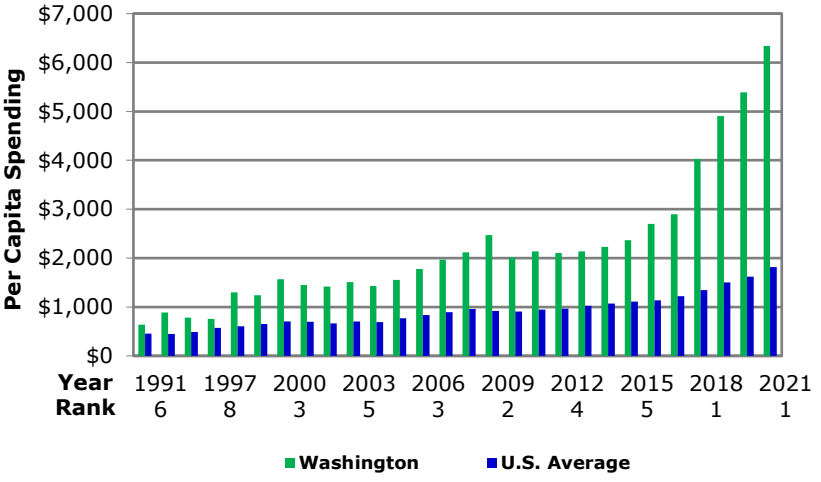



Source: The National Science Foundation; data through 2022

*WA's rank in industry R&D remained 1st*

For industry R&D, Washington ranked 1st in the nation in 2021, a position held by the state since 2018. Washington's industry R&D for 2021 was $6,341 per capita, up from just $2,898 per capita in 2017. The five-year average for Washington State is $4,711, well above the U.S. five-year average of $1,500.

**Figure 1.9: Per Capita Spending in Research and Development, Industry**

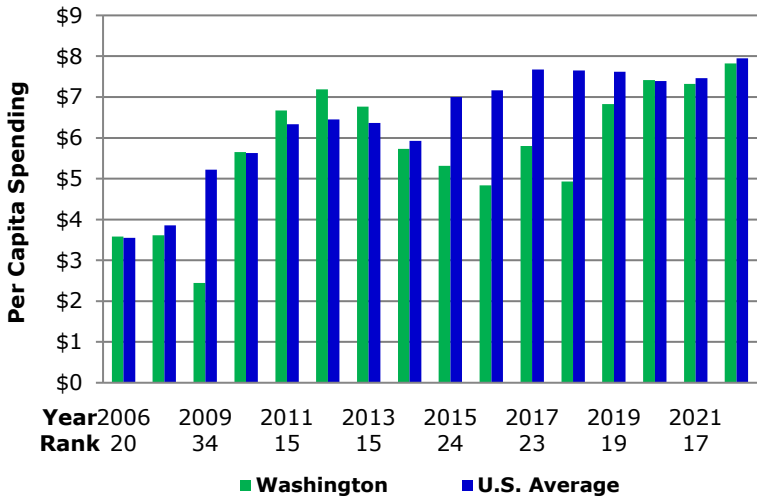



Source: The National Science Foundation; data through 2021

*WA's state govt R&D expenditures ranked 16th in 2022*

In 2022, the Washington state government spent $7.82 per capita for R&D. This places Washington at 16th in the nation, an improvement from 17th the year before. Government spending in Washington on R&D has consistently been lower than the U.S. average with the recent exception of 2020. The five-year average for Washington is $6.86, below the U.S. average of $7.60.

**Figure 1.10: Per Capita Spending in Research and Development, State Government**




Source: The National Science Foundation; data through 2022

## Patents Issued Per 100,000 Population

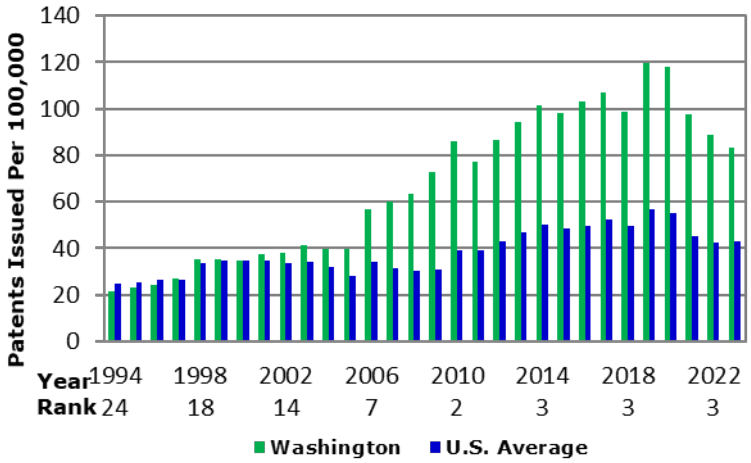
*Patents are a good measure of innovation*

A patent issued by the United States Patent and Trademark Office grants its holder the sole right to make, use, or sell an invention. The USPTO issues five different types of patents. Some larger states will have more patents issued by virtue of a larger population. Thus, patents issued per 100,000 individuals controls for population differences and measures innovation by private persons, universities, and companies.

*Washington ranks 3rd in patents issued*

In 2023, Washington had 83.2 patents issued per 100,000 residents. The state's patent issue rate is much larger than the national rate of 43.0, ranking the state 3rd in the nation. Washington ranked 3rd each of the last five years, coming in behind California and Massachusetts. The state's five-year average of 101.4 is more than twice the national five-year average of 48.4.

**Figure 1.11: Patents Issued Per 100,000 Population**




Source: U.S. Patent and Trademark Office, U.S. Census Bureau, data through 2024

## Venture Capital Investment

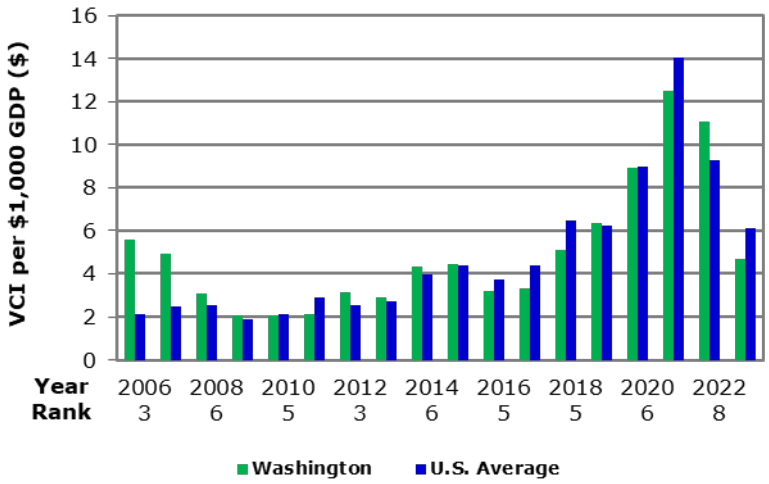
*The National Venture Capital Association (NVCA) tracks the number and value of venture capital deals*

The National Venture Capital Association (NVCA) tracks the number and value of venture capital deals made across different states and industries. This is reported in the NVCA's annual Yearbook. Venture capital is typically invested in smaller, innovative companies with expectations of high growth. Therefore, venture capital investment is a measure of expectations for growth and innovation in an industry. States with high growth industries such as technology, healthcare, and business/financial services typically attract more investment than others. This indicator measures how much venture capital is invested for every $1,000 of state GDP.

*Washington's rank improved to 7th in the nation, at 4.66*

Washington followed the nationwide trend of lower venture capital investment in 2023. Washington's venture capital investment measure decreased to 4.66 in 2023. At the same time, the national average decreased significantly to 6.14, increasing Washington's rank from 8th to 7th in the nation. Washington's five-year average for venture capital investment per thousand GDP is 8.69, 7th in the nation. The national five-year average is 8.94.

**Figure 1.12: Venture Capital Investment**




Source: National Venture Capital Association Yearbook, data through 2023

## Establishment Birth Rate

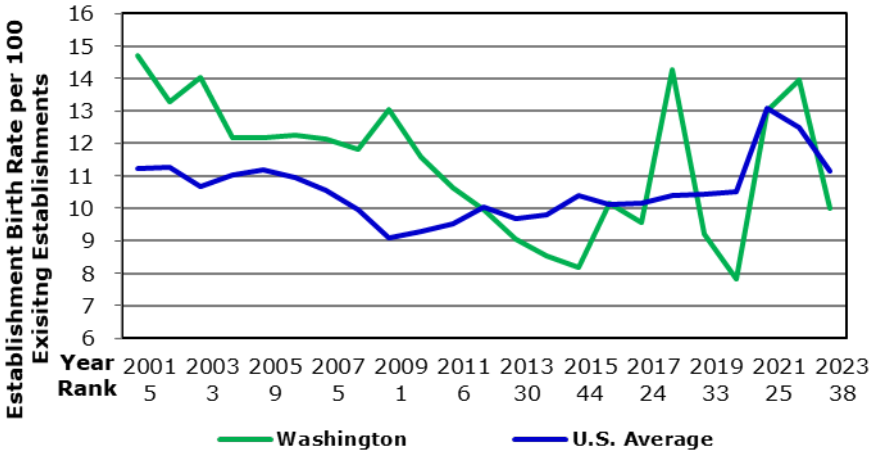
*Birth rate data provides a measure of entrepreneurial activity*

The BLS collects data on establishments through the Census of Employment and Wages and through the Business Employment Dynamics Survey. Birth rate data provides a measure of entrepreneurial activity and growth in new areas of business. The establishment birth rate is the rate of new business establishments per existing 100 establishments. An establishment birth is defined as the first time an establishment begins to pay its first employee. An establishment can be either an entirely new firm or could be a new branch, plant, or expansion of an existing firm. The BLS does not include a seasonal business reopening as a new establishment.

*Washington ranked 38th in establishment birth rate in 2023*

Washington's establishment birth rate has varied wildly, particularly in recent years. From 2001 to 2011, Washington's ranking in establishment birth rate was always above 15 and was even 1st in the nation in 2009 and 2018. After recording a recent high in 2022, the establishment birth rate dropped to 10.02 in 2023, a three year low. This placed Washington's nationwide rank at 38th. In 2022, Washington was ranked 12th, its best ranking during the past five years. The five-year average for Washington is 11.61, above the United States average of 11.44, which places Washington at 18th place.

**Figure 1.13 Establishment Birth Rate**




Source: BLS Quarterly Census of Employment and Wages, BLS Survey of Business Employment Dynamics, data through 2023

## Infrastructure

### Interstate Miles in Poor Condition

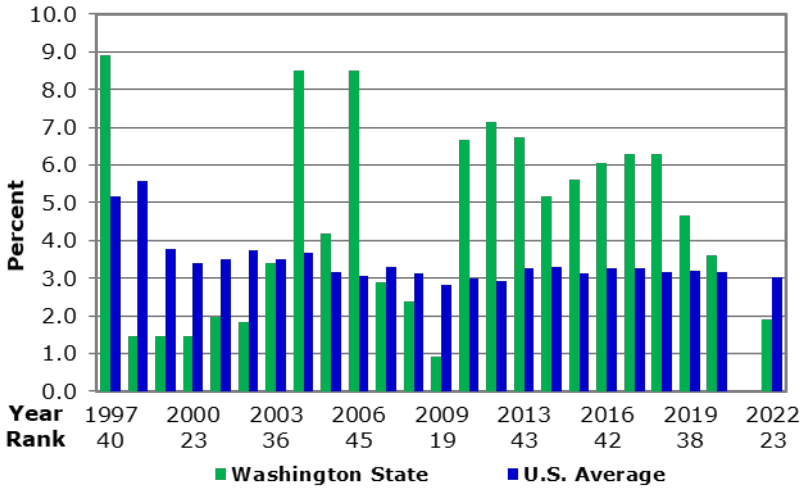
*Since 1990 the FHWA has collected data on highway statistics*

Since 1990, the Federal Highway Administration (FHWA) has required states to report road roughness according to the International Roughness Index (IRI), a set of standard codes dictated by the Highway Performance Monitoring System Field Manual for the Continuing Analytical and Statistical Database. This information is then collected and published in a consistent format in the FHWA's Highway Statistics. This indicator reports the percentage of interstate miles that have an IRI of 171 or greater. An IRI greater than 170 is considered poor.

*Washington was ranked 23rd in 2022, but its ranking has improved each year since 2018*

The percent of interstate roads in poor condition decreased to 1.9 percent in 2022 from 3.6 percent in 2020. Interstate road conditions have shown large improvement since 2018. The percent of interstate roads in poor conditions fell from 6.3% in 2018 to 1.9% in 2022. In 2022 Washington was ranked 23rd in the nation, an increase from 35th in 2020. The five-year average is 4.1 percent, placing Washington 38th in this category. The US Department of Transportation did not update this data series for 2021.

**Figure 1.14: Interstate Miles in Poor Condition**




Source: Highway Statistics, Federal Highway Administration; data through 2022

## FAA Air Traffic Delays

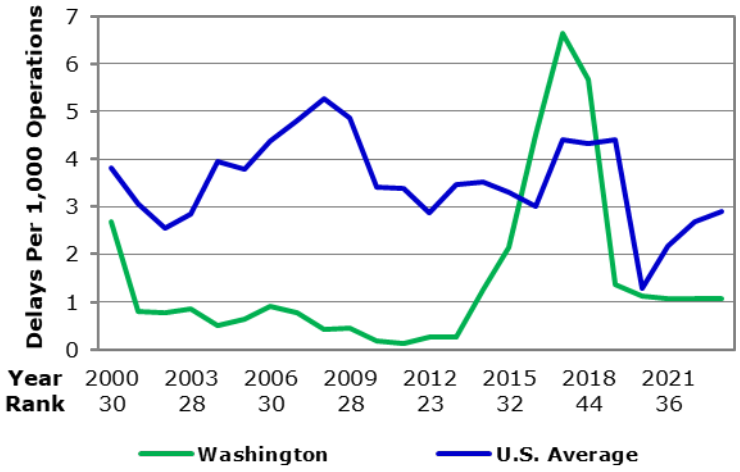
*The FAA provides air traffic information for all FAA contract airports*

The Federal Aviation Administration's (FAA) annual Air Traffic Activity and Delay Report provides air traffic information for all airport facilities under contract with the FAA in each state. Air traffic delays can occur at any phase of the flight and are characterized as delays that exceed 15 minutes. For comparison purposes, this indicator measures the number of delays per 1,000 operations in each state.

*Washington's delays per 1,000 operations rate remained at 1.1 for 2020 through 2023*

Flight operations and delays experienced a major shock in 2020 due to restrictions caused by the pandemic. In 2021, these flight restrictions were gradually lifted and passenger traffic increased. As a result, the U.S. average number of delays per 1,000 operations increased from 1.3 in 2020 to 2.2 in 2021, 2.7 in 2022, and 2.9 in 2023. However, while many other states experienced an increase of delays, Washington continued steady at 1.1 delays per 1,000 operations in 2020 through 2023. This improved Washington's ranking to 36$^{th}$ place in 2023. Washington's five-year average of 1.1 was less than the U.S. average of 2.7.

**Figure 1.15: FAA Air Traffic Delays**




Source: FAA Air Traffic System Management, Air Traffic Activity and Delay Report; data through 2023

## Households with a Broadband Internet Subscription (Percent)

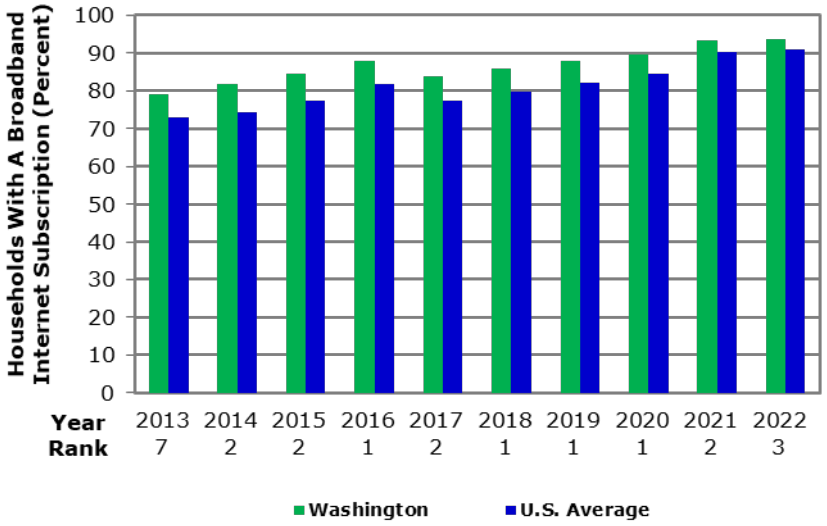
*In response to the increasing value placed on internet access, the climate study has recently begun tracking internet subscription statistics*

Broadband infrastructure is an important part of improving economic development, public safety, and education. Now that internet services are a large part of the economy, having access to a broadband subscription is essential to staying aware of and educated about the evolving world around us. The United States Census Bureau, as part of its American Community Survey, has listed the percent of households with a broadband internet subscription from each state. This is the fourth year that this indicator has been used in the climate study.

*In 2022, Washington ranked 3rd for percentage of households with a broadband internet subscription*

The percentage of households with a broadband internet subscription has increased across the nation over a short period of time. In fact, in the time span between 2013 and 2022, the United States average has increased over 18 percentage points (72.8 to 91.0). Washington has experienced a similar increase in broadband internet subscriptions in recent years. In 2022, Washington ranked 3rd in the nation, and its percentage increased 0.1 percentage points to 93.6 percent of households. The state's five-year average of 90.1 percent ranked first in the nation.

**Figure 1.16: Households with a Broadband Internet Subscription (Percent)**




Source: U.S. Census Bureau, American Community Survey, data through 2022

## Unlinked Passenger Trips Per Capita

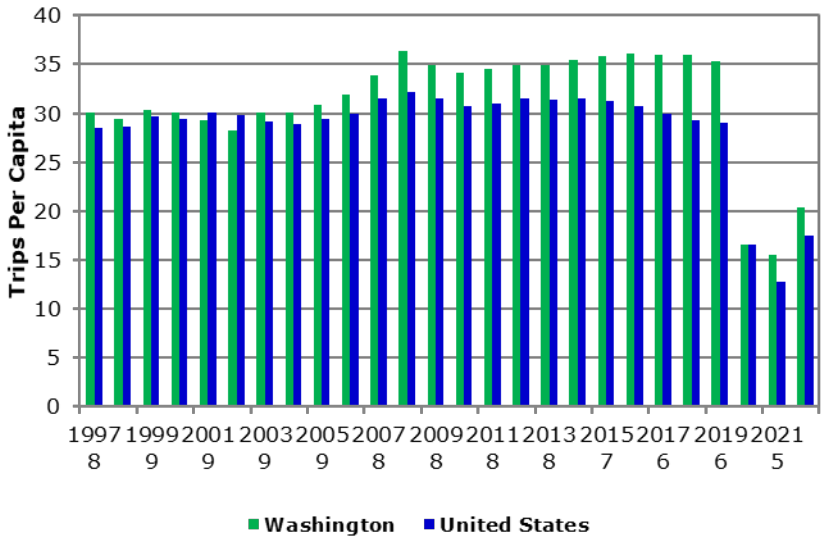
*The FTA tracks public transit use*

Public transportation systems are a key part of the infrastructure of economically competitive states. The Federal Transit Administration measures public transportation usage through unlinked passenger trips (UPTs), where each leg of a passenger's journey counts as a use of the public transit system. For example, if a commuter uses the train and then bus to commute to work, their journey will be recorded as two unlinked passenger trips, as they used public transit twice on their way to work.

*Public transit use between 2021 and 2022 increased in Washington*

For nearly half a decade, Washington's ranking in public transit use remained at 6$^{th}$ in the nation. However, as a result of the COVID pandemic, Washington and the nation as a whole saw a significant decline in public transit use. The average Washington resident used public transit 16.5 times a year in 2020, compared to 35.9 in 2019. In 2021, this fell further to 15.4, but rebounded to 20.4 in 2022. Washington State's ranking rose to 5$^{th}$ place in 2021 and 2022. Washington's five-year average is 24.7 trips per capita compared to the U.S. five-year average of 21.0.

**Figure 1.17: Unlinked Passenger Trips Per Capita**




Source: Federal Transit Administration, National Transit Database, data through 2022

## Rail Freight Value

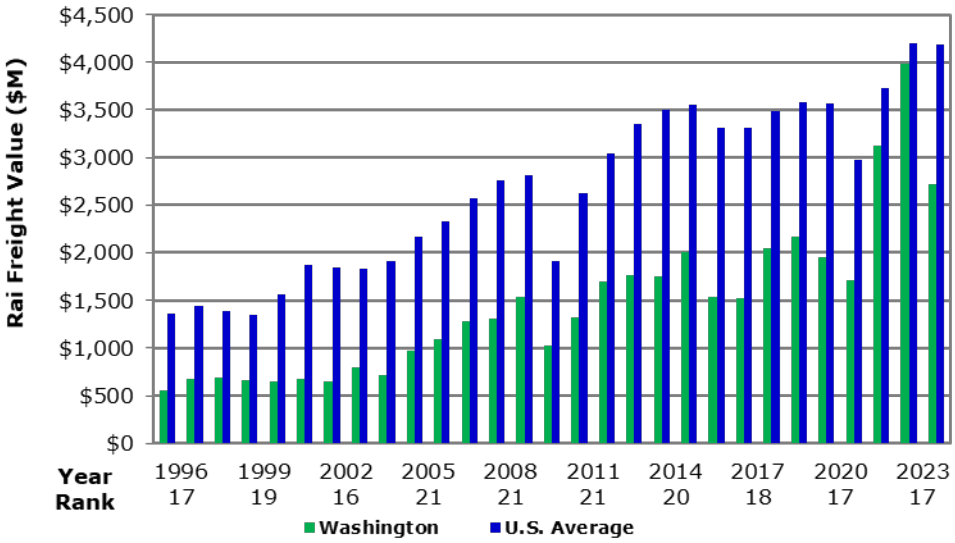
*This indicator measures the total trade value of goods transported*

The Bureau of Transportation Statistics provides data on the commodity type, port, and dollar value of U.S. exports to and imports from Canada and Mexico. This indicator measures the total trade value of goods transported by each state's railways originating from or destined for other states, Canada, and Mexico. Rail freight value measures a state's trade infrastructure and ability to move goods through North America by rail.

*In 2023, the value of freight in Washington dropped $1.3 billion compared with 2022*

In 2023, Washington's railways moved $2.72 billion in freight while the 50 state average was $4.18 billion. Washington's rail freight value historically ranks lower than the U.S. average. Washington's ranking fell to 17$^{th}$ place in the nation in 2023, as the freight value fell by over $1 billion from the prior year. Washington's five-year average rail freight value is $2.70 billion, while the U.S. five-year average is $3.73 billion.

**Figure 1.18: Rail Freight Value**




Source: United States Department of Transportation, Bureau of Transportation Statistics, 2023

Table 1.1
Innovation Drivers
**Total Public Two and Four Year College Combined Participation Rate**
(Percent)*

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 6.7 | 6.7 | 6.3 | 6.4 | 6.4 | 6.5 |
| Alaska | 4.5 | 4.0 | 4.0 | 3.7 | 3.6 | 4.0 |
| Arizona | 6.6 | 6.7 | 6.4 | 6.5 | 6.5 | 6.6 |
| Arkansas | 6.2 | 6.1 | 5.8 | 5.7 | 5.9 | 5.9 |
| California | 7.4 | 7.3 | 7.0 | 6.7 | 6.7 | 7.0 |
| Colorado | 6.3 | 6.3 | 6.0 | 5.9 | 5.9 | 6.1 |
| Connecticut | 4.0 | 3.9 | 3.6 | 3.4 | 3.4 | 3.7 |
| Delaware | 5.6 | 5.5 | 5.3 | 5.3 | 5.2 | 5.4 |
| Florida | 4.7 | 4.6 | 4.4 | 4.2 | 4.1 | 4.4 |
| Georgia | 5.4 | 5.5 | 5.5 | 5.4 | 5.2 | 5.4 |
| Hawaii | 4.6 | 4.5 | 4.5 | 4.5 | 4.4 | 4.5 |
| Idaho | 5.9 | 5.9 | 5.4 | 5.4 | 5.3 | 5.6 |
| Illinois | 4.7 | 4.6 | 4.2 | 4.2 | 4.3 | 4.4 |
| Indiana | 5.8 | 6.4 | 6.7 | 6.6 | 6.7 | 6.4 |
| Iowa | 8.2 | 6.8 | 6.1 | 6.2 | 6.1 | 6.7 |
| Kansas | 8.1 | 8.0 | 7.4 | 7.5 | 7.4 | 7.7 |
| Kentucky | 5.8 | 5.8 | 5.5 | 5.5 | 5.6 | 5.6 |
| Louisiana | 5.9 | 6.0 | 6.0 | 5.9 | 5.9 | 5.9 |
| Maine | 4.4 | 4.4 | 4.2 | 4.1 | 4.1 | 4.3 |
| Maryland | 6.4 | 6.3 | 6.0 | 5.7 | 5.6 | 6.0 |
| Massachusetts | 3.8 | 3.7 | 3.4 | 3.3 | 3.2 | 3.5 |
| Michigan | 6.0 | 5.8 | 5.4 | 5.3 | 5.1 | 5.5 |
| Minnesota | 5.7 | 5.6 | 5.3 | 5.1 | 5.1 | 5.4 |
| Mississippi | 6.6 | 6.5 | 6.4 | 6.2 | 6.2 | 6.4 |
| Missouri | 4.9 | 4.7 | 4.5 | 4.4 | 4.4 | 4.6 |
| Montana | 5.4 | 5.3 | 4.9 | 5.0 | 4.9 | 5.1 |
| Nebraska | 6.9 | 6.8 | 6.6 | 6.7 | 6.6 | 6.7 |
| Nevada | 4.6 | 4.6 | 4.4 | 4.3 | 4.2 | 4.4 |
| New Hampshire | 3.5 | 3.4 | 3.2 | 3.0 | 2.8 | 3.2 |
| New Jersey | 4.7 | 4.7 | 4.3 | 4.1 | 4.1 | 4.4 |
| New Mexico | 7.5 | 7.3 | 6.5 | 6.3 | 6.5 | 6.8 |
| New York | 4.5 | 4.4 | 4.1 | 3.8 | 3.7 | 4.1 |
| North Carolina | 5.6 | 5.7 | 5.7 | 5.6 | 5.5 | 5.6 |
| North Dakota | 8.0 | 7.8 | 7.6 | 7.5 | 7.5 | 7.7 |
| Ohio | 5.4 | 5.6 | 5.6 | 5.5 | 5.2 | 5.5 |
| Oklahoma | 5.7 | 5.6 | 5.5 | 5.3 | 5.3 | 5.5 |
| Oregon | 5.8 | 5.7 | 5.2 | 4.9 | 4.9 | 5.3 |
| Pennsylvania | 3.9 | 3.8 | 3.6 | 3.4 | 3.3 | 3.6 |
| Rhode Island | 4.7 | 4.7 | 4.4 | 4.0 | 4.0 | 4.4 |
| South Carolina | 4.9 | 4.9 | 4.9 | 4.8 | 4.9 | 4.9 |
| South Dakota | 6.6 | 6.5 | 6.4 | 6.3 | 6.2 | 6.4 |
| Tennessee | 4.3 | 4.3 | 4.1 | 3.9 | 3.8 | 4.1 |
| Texas | 6.9 | 6.9 | 6.5 | 6.3 | 6.2 | 6.6 |
| Utah | 8.3 | 8.3 | 8.1 | 8.1 | 8.0 | 8.1 |
| Vermont | 4.9 | 4.9 | 4.6 | 4.7 | 4.8 | 4.8 |
| Virginia | 5.8 | 5.8 | 5.7 | 5.5 | 5.5 | 5.7 |
| **Washington** | **5.4** | **5.3** | **4.8** | **4.6** | **4.4** | **4.9** |
| West Virginia | 5.7 | 5.7 | 5.3 | 5.0 | 5.0 | 5.3 |
| Wisconsin | 6.1 | 6.0 | 5.7 | 5.6 | 5.6 | 5.8 |
| Wyoming | 7.3 | 7.2 | 6.9 | 6.7 | 6.5 | 6.9 |
| 50 State Average | 5.7 | 5.7 | 5.4 | 5.3 | 5.2 | 5.5 |
| **Washington's Rank** | **32** | **32** | **34** | **35** | **35** | **33** |

*Percent participation: Fall enrollment compared to population aged 18 & above
Source: National Center for Education Statistics, U.S. Department of Education: Population Division, U.S. Census Bureau, data through 2022

Table 1.2
Innovation Drivers
**Educational Attainment: Less than 9th Grade***
(Percent)*

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 4.5 | 4.3 | 4.0 | 3.8 | 3.4 | 4.0 |
| Alaska | 2.6 | 2.5 | 2.4 | 2.3 | 2.2 | 2.4 |
| Arizona | 5.7 | 5.5 | 5.1 | 4.9 | 4.8 | 5.2 |
| Arkansas | 5.0 | 4.8 | 4.7 | 4.6 | 4.0 | 4.6 |
| California | 9.4 | 9.2 | 8.9 | 8.7 | 8.8 | 9.0 |
| Colorado | 3.6 | 3.4 | 3.3 | 3.2 | 2.8 | 3.3 |
| Connecticut | 4.1 | 4.0 | 4.0 | 4.0 | 4.4 | 4.1 |
| Delaware | 3.5 | 3.5 | 3.3 | 3.2 | 2.6 | 3.2 |
| Florida | 4.9 | 4.8 | 4.6 | 4.4 | 4.2 | 4.6 |
| Georgia | 4.8 | 4.6 | 4.5 | 4.4 | 4.0 | 4.5 |
| Hawaii | 3.8 | 3.7 | 3.5 | 3.4 | 3.2 | 3.5 |
| Idaho | 3.5 | 3.3 | 3.1 | 3.2 | 3.5 | 3.3 |
| Illinois | 5.0 | 4.8 | 4.6 | 4.6 | 4.6 | 4.7 |
| Indiana | 3.7 | 3.7 | 3.6 | 3.5 | 3.6 | 3.6 |
| Iowa | 3.1 | 3.1 | 2.9 | 2.8 | 2.5 | 2.9 |
| Kansas | 3.7 | 3.6 | 3.5 | 3.5 | 3.6 | 3.6 |
| Kentucky | 5.8 | 5.5 | 5.0 | 4.8 | 4.3 | 5.1 |
| Louisiana | 5.1 | 4.9 | 4.7 | 4.6 | 4.2 | 4.7 |
| Maine | 2.7 | 2.6 | 2.3 | 2.1 | 1.7 | 2.3 |
| Maryland | 4.0 | 4.0 | 3.9 | 3.8 | 3.9 | 3.9 |
| Massachusetts | 4.5 | 4.4 | 4.2 | 4.2 | 4.4 | 4.3 |
| Michigan | 3.0 | 2.9 | 2.7 | 2.6 | 2.7 | 2.8 |
| Minnesota | 2.9 | 2.9 | 2.8 | 2.7 | 2.7 | 2.8 |
| Mississippi | 5.4 | 5.1 | 4.7 | 4.7 | 4.3 | 4.8 |
| Missouri | 3.3 | 3.1 | 2.9 | 2.8 | 2.9 | 3.0 |
| Montana | 2.0 | 1.9 | 1.7 | 1.6 | 2.2 | 1.9 |
| Nebraska | 4.0 | 3.8 | 3.8 | 3.8 | 3.3 | 3.7 |
| Nevada | 5.7 | 5.5 | 5.3 | 5.3 | 5.5 | 5.5 |
| New Hampshire | 2.2 | 2.1 | 2.2 | 2.1 | 1.3 | 2.0 |
| New Jersey | 4.9 | 4.9 | 4.7 | 4.6 | 4.7 | 4.8 |
| New Mexico | 6.2 | 6.0 | 5.6 | 5.4 | 5.0 | 5.6 |
| New York | 6.3 | 6.1 | 6.0 | 6.0 | 6.0 | 6.1 |
| North Carolina | 4.7 | 4.5 | 4.3 | 4.1 | 3.7 | 4.3 |
| North Dakota | 3.2 | 3.1 | 2.7 | 2.6 | 2.6 | 2.8 |
| Ohio | 2.8 | 2.8 | 2.7 | 2.7 | 2.6 | 2.7 |
| Oklahoma | 4.1 | 4.0 | 3.9 | 3.8 | 3.5 | 3.9 |
| Oregon | 3.7 | 3.5 | 3.4 | 3.3 | 3.6 | 3.5 |
| Pennsylvania | 3.3 | 3.2 | 3.1 | 3.0 | 2.8 | 3.1 |
| Rhode Island | 5.2 | 5.1 | 4.7 | 4.7 | 4.8 | 4.9 |
| South Carolina | 4.2 | 4.1 | 3.7 | 3.5 | 2.8 | 3.7 |
| South Dakota | 3.2 | 3.0 | 2.8 | 2.7 | 2.9 | 2.9 |
| Tennessee | 4.8 | 4.6 | 4.2 | 4.0 | 3.5 | 4.2 |
| Texas | 8.5 | 8.2 | 7.8 | 7.6 | 7.2 | 7.9 |
| Utah | 2.8 | 2.7 | 2.4 | 2.5 | 3.0 | 2.7 |
| Vermont | 2.3 | 2.2 | 2.0 | 1.8 | 1.6 | 2.0 |
| Virginia | 4.3 | 4.1 | 3.9 | 3.7 | 3.5 | 3.9 |
| **Washington** | **3.7** | **3.7** | **3.5** | **3.5** | **3.5** | **3.6** |
| West Virginia | 4.4 | 4.3 | 4.1 | 3.8 | 3.4 | 4.0 |
| Wisconsin | 2.8 | 2.7 | 2.5 | 2.4 | 2.4 | 2.6 |
| Wyoming | 1.9 | 1.8 | 1.8 | 1.8 | 2.1 | 1.9 |
| U.S. Average | 4.2 | 4.0 | 3.8 | 3.7 | 3.6 | 3.9 |
| **Washington's Rank** | **20** | **22** | **21** | **22** | **24** | **23** |

Source: American Community Survey, Bureau of the Census: Educational Attainment, 2022.
* Percent of persons 25 years old and over with less than a 9th grade education

Table 1.3
Innovation Drivers
**Educational Attainment:**
**Completed Four Years of High School or More**
(Percent)*

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 85.8 | 86.2 | 86.9 | 87.4 | 88.8 | 87.0 |
| Alaska | 92.7 | 92.8 | 93.1 | 93.3 | 93.3 | 93.0 |
| Arizona | 86.8 | 87.1 | 87.9 | 88.3 | 89.2 | 87.9 |
| Arkansas | 86.2 | 86.6 | 87.2 | 87.7 | 89.1 | 87.4 |
| California | 82.9 | 83.3 | 83.9 | 84.2 | 84.7 | 83.8 |
| Colorado | 91.4 | 91.7 | 92.1 | 92.4 | 93.0 | 92.1 |
| Connecticut | 90.5 | 90.6 | 90.9 | 91.1 | 90.7 | 90.8 |
| Delaware | 89.8 | 90.0 | 90.6 | 91.1 | 92.0 | 90.7 |
| Florida | 88.0 | 88.2 | 88.5 | 89.0 | 89.9 | 88.7 |
| Georgia | 86.7 | 87.1 | 87.9 | 88.2 | 89.5 | 87.9 |
| Hawaii | 91.8 | 92.0 | 92.5 | 92.7 | 92.9 | 92.4 |
| Idaho | 90.6 | 90.8 | 91.3 | 91.2 | 92.0 | 91.2 |
| Illinois | 88.9 | 89.2 | 89.7 | 89.9 | 90.4 | 89.6 |
| Indiana | 88.6 | 88.8 | 89.3 | 89.8 | 90.2 | 89.3 |
| Iowa | 92.0 | 92.1 | 92.5 | 92.8 | 93.5 | 92.6 |
| Kansas | 90.7 | 91.0 | 91.4 | 91.6 | 92.1 | 91.4 |
| Kentucky | 85.7 | 86.3 | 87.2 | 87.7 | 89.0 | 87.2 |
| Louisiana | 84.8 | 85.2 | 85.9 | 86.2 | 87.3 | 85.9 |
| Maine | 92.3 | 92.6 | 93.2 | 93.7 | 94.6 | 93.3 |
| Maryland | 90.0 | 90.2 | 90.6 | 90.8 | 91.4 | 90.6 |
| Massachusetts | 90.4 | 90.8 | 91.1 | 91.2 | 91.3 | 91.0 |
| Michigan | 90.5 | 90.8 | 91.3 | 91.6 | 91.8 | 91.2 |
| Minnesota | 93.0 | 93.1 | 93.4 | 93.6 | 94.0 | 93.4 |
| Mississippi | 83.9 | 84.5 | 85.3 | 85.6 | 87.6 | 85.4 |
| Missouri | 89.6 | 89.9 | 90.6 | 91.0 | 91.6 | 90.5 |
| Montana | 93.2 | 93.6 | 94.0 | 94.4 | 94.0 | 93.8 |
| Nebraska | 91.1 | 91.4 | 91.6 | 91.7 | 92.8 | 91.7 |
| Nevada | 86.3 | 86.7 | 86.9 | 87.0 | 87.4 | 86.9 |
| New Hampshire | 92.9 | 93.1 | 93.3 | 93.6 | 94.5 | 93.5 |
| New Jersey | 89.5 | 89.8 | 90.3 | 90.5 | 90.7 | 90.2 |
| New Mexico | 85.3 | 85.6 | 86.5 | 86.8 | 88.0 | 86.4 |
| New York | 86.5 | 86.8 | 87.2 | 87.4 | 87.9 | 87.2 |
| North Carolina | 87.4 | 87.8 | 88.5 | 89.0 | 90.2 | 88.6 |
| North Dakota | 92.5 | 92.6 | 93.1 | 93.3 | 93.9 | 93.1 |
| Ohio | 90.1 | 90.4 | 90.8 | 91.1 | 91.8 | 90.8 |
| Oklahoma | 87.8 | 88.0 | 88.6 | 88.7 | 89.6 | 88.5 |
| Oregon | 90.4 | 90.7 | 91.1 | 91.5 | 91.6 | 91.1 |
| Pennsylvania | 90.2 | 90.5 | 91.0 | 91.4 | 92.2 | 91.1 |
| Rhode Island | 88.0 | 88.8 | 89.2 | 89.1 | 90.5 | 89.1 |
| South Carolina | 87.1 | 87.5 | 88.3 | 88.8 | 90.5 | 88.4 |
| South Dakota | 91.7 | 91.7 | 92.2 | 92.5 | 93.2 | 92.3 |
| Tennessee | 87.0 | 87.5 | 88.2 | 88.8 | 90.4 | 88.4 |
| Texas | 83.2 | 83.7 | 84.4 | 84.8 | 86.1 | 84.4 |
| Utah | 92.0 | 92.3 | 93.0 | 93.1 | 93.0 | 92.7 |
| Vermont | 92.6 | 92.7 | 93.5 | 93.9 | 95.0 | 93.5 |
| Virginia | 89.3 | 89.7 | 90.3 | 90.8 | 91.5 | 90.3 |
| **Washington** | **91.1** | **91.3** | **91.7** | **91.9** | **92.2** | **91.6** |
| West Virginia | 86.5 | 86.9 | 87.6 | 88.1 | 89.1 | 87.6 |
| Wisconsin | 91.9 | 92.2 | 92.6 | 92.9 | 93.5 | 92.6 |
| Wyoming | 92.9 | 93.2 | 93.6 | 93.7 | 93.7 | 93.4 |
| U.S. Average | 89.2 | 89.5 | 90.0 | 90.3 | 91.1 | 90.0 |
| **Washington's Rank** | **15** | **16** | **15** | **15** | **16** | **16** |

Source: American Community Survey, Bureau of the Census: Educational Attainment in the US: 2022.
*Percent of persons 25 years or older who have completed 4 years of high school or more.

Table 1.4
Innovation Drivers
**Educational Attainment: Completed Bachelor's Degree or More***
(Percent)*

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 24.9 | 25.5 | 26.2 | 27.4 | 28.8 | 26.6 |
| Alaska | 29.2 | 29.6 | 30.0 | 32.8 | 30.6 | 30.4 |
| Arizona | 28.9 | 29.5 | 30.3 | 32.4 | 33 | 30.8 |
| Arkansas | 22.6 | 23.0 | 23.8 | 25.3 | 25.4 | 24.0 |
| California | 33.3 | 33.9 | 34.7 | 36.2 | 37 | 35.0 |
| Colorado | 40.1 | 40.9 | 41.6 | 44.4 | 45.9 | 42.6 |
| Connecticut | 38.9 | 39.3 | 40 | 42.1 | 40 | 40.1 |
| Delaware | 31.4 | 32.0 | 32.7 | 35.6 | 36.5 | 33.6 |
| Florida | 29.2 | 29.9 | 30.5 | 33.2 | 34.3 | 31.4 |
| Georgia | 30.7 | 31.3 | 32.5 | 34.6 | 34.7 | 32.8 |
| Hawaii | 32.5 | 33 | 33.6 | 35.3 | 35.4 | 34.0 |
| Idaho | 26.9 | 27.6 | 28.7 | 30.7 | 32.3 | 29.2 |
| Illinois | 34.1 | 34.7 | 35.5 | 37.1 | 37.7 | 35.8 |
| Indiana | 25.9 | 26.5 | 27.2 | 28.9 | 29.6 | 27.6 |
| Iowa | 28.2 | 28.6 | 29.3 | 30.5 | 32.3 | 29.8 |
| Kansas | 32.9 | 33.4 | 33.9 | 35.4 | 35.6 | 34.2 |
| Kentucky | 23.6 | 24.2 | 25 | 27 | 27.9 | 25.5 |
| Louisiana | 23.7 | 24.1 | 24.9 | 26.4 | 27.1 | 25.2 |
| Maine | 30.9 | 31.8 | 32.5 | 36 | 36.1 | 33.5 |
| Maryland | 39.6 | 40.2 | 40.9 | 42.5 | 43.8 | 41.4 |
| Massachusetts | 42.9 | 43.7 | 44.5 | 46.6 | 46.6 | 44.9 |
| Michigan | 28.6 | 29.1 | 30.0 | 31.7 | 32.1 | 30.3 |
| Minnesota | 35.4 | 36.1 | 36.8 | 38.9 | 39.1 | 37.3 |
| Mississippi | 21.8 | 22.0 | 22.8 | 24.8 | 24.8 | 23.2 |
| Missouri | 28.6 | 29.2 | 29.9 | 31.7 | 32.2 | 30.3 |
| Montana | 31.2 | 32.0 | 33.1 | 34.8 | 34.6 | 33.1 |
| Nebraska | 31.3 | 31.9 | 32.5 | 34.4 | 34.7 | 33.0 |
| Nevada | 24.2 | 24.7 | 25.5 | 27.6 | 27.0 | 25.8 |
| New Hampshire | 36.5 | 37 | 37.6 | 40.2 | 41.3 | 38.5 |
| New Jersey | 38.9 | 39.7 | 40.7 | 43.1 | 43.5 | 41.2 |
| New Mexico | 27.1 | 27.3 | 28.1 | 30.1 | 30.5 | 28.6 |
| New York | 35.9 | 36.6 | 37.5 | 39.9 | 40.0 | 38.0 |
| North Carolina | 30.5 | 31.3 | 32 | 34.9 | 35.9 | 32.9 |
| North Dakota | 29.5 | 30.0 | 30.7 | 31.7 | 31.8 | 30.7 |
| Ohio | 27.8 | 28.3 | 28.9 | 30.7 | 32 | 29.5 |
| Oklahoma | 25.2 | 25.5 | 26.1 | 27.9 | 28.5 | 26.6 |
| Oregon | 32.9 | 33.7 | 34.4 | 36.3 | 36.3 | 34.7 |
| Pennsylvania | 30.8 | 31.4 | 32.3 | 34.5 | 35.1 | 32.8 |
| Rhode Island | 33.3 | 34.2 | 35 | 36.5 | 39.6 | 35.7 |
| South Carolina | 27.4 | 28.1 | 29.0 | 31.5 | 32.6 | 29.7 |
| South Dakota | 28.5 | 28.8 | 29.3 | 31.7 | 31.6 | 30.0 |
| Tennessee | 26.6 | 27.3 | 28.2 | 30.5 | 31.1 | 28.7 |
| Texas | 29.3 | 29.9 | 30.7 | 33.1 | 33.9 | 31.4 |
| Utah | 33.3 | 34.0 | 34.7 | 36.8 | 37.9 | 35.3 |
| Vermont | 37.3 | 38 | 39.7 | 44.4 | 44.2 | 40.7 |
| Virginia | 38.2 | 38.8 | 39.5 | 41.8 | 42.2 | 40.1 |
| **Washington** | **35.3** | **36** | **36.7** | **39** | **39.5** | **37.3** |
| West Virginia | 20.3 | 20.6 | 21.3 | 24.1 | 24.8 | 22.2 |
| Wisconsin | 29.5 | 30.1 | 30.8 | 32.5 | 33.2 | 31.2 |
| Wyoming | 26.9 | 27.4 | 28.2 | 29.2 | 29.6 | 28.3 |
| U.S. Average | 30.7 | 31.2 | 32.0 | 34.1 | 34.6 | 32.5 |
| **Washington's Rank** | **11** | **11** | **11** | **10** | **11** | **10** |

Source: U.S. Dept. of Commerce, Bureau of the Census: Educational Attainment in the United States, 2022
* Percent of persons 25 years old and over who have obtained a Bachelor's degree or higher.

Table 1.5
Innovation Drivers
**Research Doctorates Awarded**
Per 100,000 population age 18+

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2017-21 |
|---|---|---|---|---|---|---|
| Alabama | 17.6 | 17.1 | 17.8 | 16.4 | 17.9 | 17.3 |
| Alaska | 10.1 | 7.6 | 10.2 | 7.9 | 6.6 | 8.5 |
| Arizona | 13.8 | 15.0 | 18.9 | 16.5 | 16.3 | 16.1 |
| Arkansas | 11.5 | 10.3 | 11.7 | 11.9 | 13.0 | 11.7 |
| California | 19.9 | 20.7 | 19.7 | 19.5 | 22.5 | 20.4 |
| Colorado | 23.7 | 23.0 | 24.0 | 22.6 | 26.5 | 24.0 |
| Connecticut | 27.7 | 28.0 | 27.0 | 25.5 | 25.4 | 26.7 |
| Delaware | 31.2 | 31.3 | 28.0 | 26.8 | 29.8 | 29.4 |
| Florida | 13.7 | 14.3 | 13.8 | 13.4 | 13.8 | 13.8 |
| Georgia | 18.9 | 17.8 | 18.3 | 17.7 | 19.2 | 18.4 |
| Hawaii | 18.0 | 18.7 | 17.7 | 12.1 | 14.6 | 16.2 |
| Idaho | 7.4 | 7.8 | 8.2 | 9.5 | 9.3 | 8.4 |
| Illinois | 25.5 | 25.3 | 24.6 | 23.4 | 26.7 | 25.1 |
| Indiana | 31.8 | 30.4 | 31.1 | 29.8 | 30.8 | 30.8 |
| Iowa | 30.6 | 29.9 | 29.7 | 25.1 | 28.4 | 28.8 |
| Kansas | 24.2 | 24.2 | 24.9 | 21.1 | 21.8 | 23.2 |
| Kentucky | 14.3 | 15.1 | 14.5 | 14.0 | 14.7 | 14.5 |
| Louisiana | 16.2 | 17.3 | 18.1 | 16.7 | 18.0 | 17.2 |
| Maine | 4.6 | 6.8 | 6.2 | 6.2 | 6.4 | 6.0 |
| Maryland | 29.0 | 27.4 | 26.7 | 24.6 | 28.5 | 27.2 |
| Massachusetts | 53.2 | 54.8 | 50.2 | 47.2 | 57.8 | 52.6 |
| Michigan | 24.9 | 24.3 | 24.9 | 22.7 | 24.4 | 24.3 |
| Minnesota | 33.4 | 36.4 | 35.3 | 34.1 | 35.2 | 34.9 |
| Mississippi | 20.7 | 22.7 | 19.8 | 18.2 | 20.3 | 20.3 |
| Missouri | 20.6 | 20.5 | 20.2 | 19.0 | 20.3 | 20.1 |
| Montana | 13.4 | 15.0 | 14.1 | 13.0 | 17.0 | 14.5 |
| Nebraska | 23.5 | 26.3 | 24.6 | 22.3 | 27.4 | 24.8 |
| Nevada | 10.2 | 9.1 | 10.4 | 9.8 | 9.5 | 9.8 |
| New Hampshire | 15.0 | 17.5 | 17.7 | 14.1 | 17.7 | 16.4 |
| New Jersey | 16.2 | 16.5 | 13.7 | 13.1 | 16.1 | 15.1 |
| New Mexico | 20.0 | 20.2 | 18.4 | 17.1 | 18.0 | 18.8 |
| New York | 27.5 | 27.0 | 26.3 | 24.6 | 26.6 | 26.4 |
| North Carolina | 21.5 | 22.1 | 23.3 | 21.2 | 22.6 | 22.1 |
| North Dakota | 33.2 | 28.9 | 32.3 | 29.9 | 31.5 | 31.1 |
| Ohio | 22.5 | 22.0 | 21.3 | 20.5 | 21.1 | 21.5 |
| Oklahoma | 16.9 | 16.0 | 16.5 | 16.1 | 15.5 | 16.2 |
| Oregon | 16.2 | 17.1 | 16.3 | 16.3 | 18.9 | 17.0 |
| Pennsylvania | 25.8 | 25.6 | 25.3 | 23.6 | 27.0 | 25.4 |
| Rhode Island | 38.3 | 39.5 | 35.3 | 29.4 | 43.9 | 37.3 |
| South Carolina | 14.3 | 13.5 | 15.2 | 11.8 | 12.9 | 13.5 |
| South Dakota | 17.2 | 15.3 | 18.9 | 18.1 | 15.8 | 17.1 |
| Tennessee | 18.1 | 17.8 | 19.1 | 16.3 | 18.7 | 18.0 |
| Texas | 19.1 | 19.3 | 19.4 | 18.7 | 19.6 | 19.2 |
| Utah | 23.0 | 24.1 | 23.3 | 21.0 | 27.6 | 23.8 |
| Vermont | 12.3 | 15.7 | 10.9 | 12.1 | 13.2 | 12.8 |
| Virginia | 22.8 | 21.5 | 23.1 | 22.8 | 22.8 | 22.6 |
| **Washington** | **16.4** | **16.8** | **17.0** | **15.1** | **15.2** | **16.1** |
| West Virginia | 15.2 | 15.7 | 15.0 | 15.1 | 16.1 | 15.4 |
| Wisconsin | 23.8 | 23.4 | 21.2 | 20.4 | 21.9 | 22.1 |
| Wyoming | 23.0 | 17.5 | 21.3 | 18.9 | 16.5 | 19.5 |
| U.S. Average | 21.5 | 21.6 | 21.4 | 20.1 | 22.0 | 21.3 |
| **Washington Rank** | **34** | **35** | **36** | **36** | **40** | **38** |

Source: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2022.

Table 1.6

Innovation Drivers

**Migration Rate**

(Percent)*

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 0.3 | 0.3 | 0.6 | 0.7 | 0.7 | 0.5 |
| Alaska | -1.1 | -0.9 | -0.4 | -0.5 | -0.5 | -0.7 |
| Arizona | 1.5 | 1.6 | 1.2 | 1.3 | 0.8 | 1.3 |
| Arkansas | 0.1 | 0.2 | 0.6 | 0.7 | 0.7 | 0.5 |
| California | -0.4 | -0.5 | -1.1 | -0.6 | -0.5 | -0.6 |
| Colorado | 0.7 | 0.5 | 0.2 | 0.3 | 0.3 | 0.4 |
| Connecticut | -0.3 | -0.3 | 0.7 | 0.1 | 0.2 | 0.1 |
| Delaware | 0.9 | 1.0 | 1.4 | 1.4 | 1.2 | 1.2 |
| Florida | 1.1 | 1.2 | 1.3 | 2.0 | 1.6 | 1.4 |
| Georgia | 0.7 | 0.5 | 0.4 | 1.0 | 0.8 | 0.7 |
| Hawaii | -0.8 | -0.8 | -0.5 | -0.7 | -0.5 | -0.6 |
| Idaho | 1.7 | 1.7 | 2.8 | 1.6 | 1.0 | 1.7 |
| Illinois | -0.7 | -0.8 | -0.8 | -0.9 | -0.3 | -0.7 |
| Indiana | 0.2 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 |
| Iowa | 0.0 | -0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| Kansas | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | -0.2 |
| Kentucky | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | 0.2 |
| Louisiana | -0.4 | -0.4 | -0.5 | -0.8 | -0.4 | -0.5 |
| Maine | 0.6 | 0.6 | 1.3 | 1.0 | 0.8 | 0.9 |
| Maryland | -0.1 | -0.2 | -0.1 | -0.3 | 0.0 | -0.2 |
| Massachusetts | 0.0 | -0.1 | -0.1 | -0.2 | 0.2 | -0.1 |
| Michigan | -0.1 | -0.2 | -0.2 | 0.1 | 0.1 | -0.1 |
| Minnesota | 0.1 | 0.0 | -0.2 | -0.1 | 0.2 | 0.0 |
| Mississippi | -0.3 | -0.5 | -0.1 | -0.1 | 0.1 | -0.2 |
| Missouri | 0.0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.2 |
| Montana | 0.7 | 0.9 | 1.9 | 1.6 | 0.9 | 1.2 |
| Nebraska | -0.1 | -0.2 | -0.2 | 0.0 | 0.2 | -0.1 |
| Nevada | 1.6 | 1.3 | 0.9 | 1.0 | 0.4 | 1.0 |
| New Hampshire | 0.5 | 0.5 | 0.7 | 0.7 | 0.4 | 0.6 |
| New Jersey | -0.3 | -0.3 | -0.2 | -0.3 | 0.0 | -0.2 |
| New Mexico | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 |
| New York | -0.7 | -0.9 | -1.3 | -1.1 | -0.7 | -1.0 |
| North Carolina | 0.8 | 0.8 | 1.1 | 1.2 | 1.2 | 1.0 |
| North Dakota | -0.1 | -0.3 | -0.5 | -0.2 | 0.3 | -0.1 |
| Ohio | 0.0 | -0.1 | -0.2 | 0.1 | 0.2 | 0.0 |
| Oklahoma | 0.2 | 0.4 | 0.7 | 0.8 | 0.8 | 0.6 |
| Oregon | 0.6 | 0.5 | 0.3 | -0.2 | 0.0 | 0.2 |
| Pennsylvania | -0.1 | 0.0 | 0.3 | -0.1 | 0.0 | 0.0 |
| Rhode Island | -0.2 | -0.1 | 0.1 | -0.2 | 0.2 | 0.0 |
| South Carolina | 1.2 | 1.2 | 1.4 | 1.8 | 1.7 | 1.4 |
| South Dakota | 0.4 | 0.2 | 0.8 | 1.2 | 0.7 | 0.7 |
| Tennessee | 0.6 | 0.7 | 0.8 | 1.3 | 1.1 | 0.9 |
| Texas | 0.7 | 0.7 | 0.8 | 1.2 | 1.0 | 0.9 |
| Utah | 0.6 | 0.6 | 1.0 | 0.5 | 0.3 | 0.6 |
| Vermont | -0.1 | 0.0 | 0.8 | 0.3 | 0.3 | 0.3 |
| Virginia | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| **Washington** | **0.8** | **0.7** | **0.0** | **0.4** | **0.2** | **0.4** |
| West Virginia | -0.3 | -0.2 | 0.2 | 0.1 | 0.3 | 0.0 |
| Wisconsin | 0.1 | 0.0 | -0.3 | 0.3 | 0.3 | 0.1 |
| Wyoming | -0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 |
| U.S. Average* | 0.2 | 0.1 | 0.1 | 0.3 | 0.3 | 0.2 |
| **Washington's Rank** | **8** | **10** | **33** | **19** | **32** | **19** |

Source: Population Division, U.S. Census Bureau, 2023

* The District of Columbia and Puerto Rico are included in the U.S. average.

Table 1.7
Innovation Drivers
**H-1B Visas**
Per 1,000 Labor Force

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-2022 |
|---|---|---|---|---|---|---|
| Alabama | 0.60 | 0.66 | 0.39 | 0.21 | 0.45 | 0.46 |
| Alaska | 3.72 | 5.20 | 3.20 | 0.93 | 1.87 | 2.98 |
| Arizona | 1.90 | 1.98 | 1.48 | 0.75 | 1.71 | 1.56 |
| Arkansas | 1.44 | 1.50 | 0.97 | 0.44 | 1.29 | 1.13 |
| California | 6.55 | 7.03 | 4.41 | 1.42 | 4.25 | 4.73 |
| Colorado | 1.69 | 1.67 | 1.00 | 0.42 | 1.23 | 1.20 |
| Connecticut | 3.64 | 3.43 | 1.94 | 0.85 | 2.18 | 2.41 |
| Delaware | 4.06 | 4.20 | 2.34 | 0.87 | 2.68 | 2.83 |
| Florida | 1.84 | 1.74 | 0.99 | 0.48 | 1.39 | 1.29 |
| Georgia | 2.62 | 2.83 | 1.66 | 0.67 | 2.22 | 2.00 |
| Hawaii | 0.99 | 1.04 | 0.56 | 0.18 | 0.57 | 0.67 |
| Idaho | 0.66 | 0.63 | 0.42 | 0.14 | 0.39 | 0.45 |
| Illinois | 3.76 | 3.82 | 2.33 | 0.93 | 2.72 | 2.71 |
| Indiana | 1.54 | 1.54 | 0.96 | 0.36 | 1.02 | 1.08 |
| Iowa | 1.05 | 1.02 | 0.64 | 0.29 | 0.80 | 0.76 |
| Kansas | 1.37 | 1.39 | 0.83 | 0.36 | 0.97 | 0.99 |
| Kentucky | 0.75 | 0.73 | 0.45 | 0.22 | 0.64 | 0.56 |
| Louisiana | 0.76 | 0.72 | 0.42 | 0.21 | 0.74 | 0.57 |
| Maine | 1.31 | 1.38 | 0.77 | 0.64 | 1.12 | 1.04 |
| Maryland | 2.15 | 2.23 | 1.31 | 0.50 | 1.41 | 1.52 |
| Massachusetts | 6.43 | 7.05 | 4.33 | 1.39 | 4.73 | 4.79 |
| Michigan | 5.97 | 7.42 | 5.93 | 3.43 | 6.17 | 5.78 |
| Minnesota | 2.05 | 2.16 | 1.40 | 0.67 | 1.50 | 1.56 |
| Mississippi | 0.50 | 0.48 | 0.25 | 0.13 | 0.30 | 0.33 |
| Missouri | 1.09 | 1.10 | 0.71 | 0.34 | 1.01 | 0.85 |
| Montana | 0.38 | 0.38 | 0.17 | 0.07 | 0.22 | 0.24 |
| Nebraska | 2.87 | 2.44 | 1.57 | 0.64 | 1.94 | 1.89 |
| Nevada | 0.93 | 1.06 | 0.72 | 0.22 | 0.61 | 0.71 |
| New Hampshire | 1.70 | 1.77 | 1.10 | 0.44 | 1.26 | 1.25 |
| New Jersey | 8.33 | 8.57 | 4.94 | 1.89 | 5.37 | 5.82 |
| New Mexico | 0.94 | 0.89 | 0.57 | 0.27 | 0.68 | 0.67 |
| New York | 6.76 | 7.11 | 3.98 | 1.79 | 4.55 | 4.84 |
| North Carolina | 2.04 | 2.10 | 1.32 | 0.54 | 1.69 | 1.54 |
| North Dakota | 1.29 | 1.48 | 0.60 | 0.27 | 0.59 | 0.85 |
| Ohio | 1.69 | 1.69 | 1.06 | 0.47 | 1.22 | 1.22 |
| Oklahoma | 0.56 | 0.59 | 0.29 | 0.13 | 0.36 | 0.39 |
| Oregon | 2.09 | 2.16 | 1.34 | 0.51 | 1.30 | 1.48 |
| Pennsylvania | 2.18 | 2.30 | 1.40 | 0.54 | 1.69 | 1.62 |
| Rhode Island | 2.91 | 2.58 | 1.42 | 0.67 | 1.72 | 1.86 |
| South Carolina | 0.77 | 0.75 | 0.46 | 0.23 | 0.63 | 0.57 |
| South Dakota | 0.59 | 0.61 | 0.33 | 0.23 | 0.46 | 0.45 |
| Tennessee | 1.16 | 1.13 | 0.74 | 0.38 | 1.05 | 0.89 |
| Texas | 3.23 | 3.23 | 2.02 | 0.88 | 2.84 | 2.44 |
| Utah | 1.22 | 1.26 | 0.76 | 0.32 | 0.92 | 0.90 |
| Vermont | 1.87 | 1.90 | 0.80 | 0.82 | 0.99 | 1.27 |
| Virginia | 2.87 | 2.88 | 1.79 | 0.68 | 2.12 | 2.07 |
| **Washington** | **8.24** | **9.92** | **6.53** | **2.37** | **8.24** | **7.06** |
| West Virginia | 0.40 | 0.40 | 0.25 | 0.13 | 0.32 | 0.30 |
| Wisconsin | 1.35 | 1.32 | 0.74 | 0.28 | 0.80 | 0.90 |
| Wyoming | 0.43 | 0.40 | 0.22 | 0.09 | 0.21 | 0.27 |
| U.S. Average | 3.54 | 3.70 | 2.29 | 0.92 | 2.59 | 2.61 |
| **Washington's Rank** | **2** | **1** | **1** | **2** | **1** | **1** |

SOURCE: Department of Homeland Security, 2022

Table 1.8
Innovation Drivers
**University Research and Development**
(Dollars Per Capita)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 215 | 229 | 236 | 252 | 282 | 243 |
| Alaska | 225 | 231 | 242 | 267 | 309 | 255 |
| Arizona | 190 | 197 | 209 | 209 | 230 | 207 |
| Arkansas | 114 | 121 | 123 | 128 | 137 | 125 |
| California | 258 | 265 | 276 | 287 | 310 | 279 |
| Colorado | 273 | 282 | 288 | 301 | 325 | 294 |
| Connecticut | 360 | 389 | 392 | 415 | 440 | 399 |
| Delaware | 215 | 235 | 246 | 253 | 390 | 268 |
| Florida | 119 | 125 | 125 | 126 | 137 | 126 |
| Georgia | 235 | 250 | 259 | 273 | 299 | 263 |
| Hawaii | 210 | 213 | 206 | 204 | 209 | 208 |
| Idaho | 98 | 94 | 92 | 87 | 93 | 93 |
| Illinois | 202 | 214 | 216 | 230 | 251 | 223 |
| Indiana | 225 | 247 | 253 | 249 | 274 | 250 |
| Iowa | 281 | 279 | 288 | 291 | 314 | 291 |
| Kansas | 220 | 242 | 252 | 267 | 301 | 256 |
| Kentucky | 134 | 138 | 142 | 145 | 163 | 144 |
| Louisiana | 160 | 167 | 172 | 180 | 205 | 177 |
| Maine | 96 | 113 | 112 | 120 | 138 | 116 |
| Maryland | 690 | 766 | 769 | 796 | 839 | 772 |
| Massachusetts | 590 | 625 | 627 | 652 | 693 | 637 |
| Michigan | 279 | 290 | 285 | 283 | 307 | 289 |
| Minnesota | 178 | 188 | 190 | 195 | 217 | 194 |
| Mississippi | 161 | 180 | 171 | 167 | 192 | 174 |
| Missouri | 206 | 223 | 235 | 257 | 277 | 239 |
| Montana | 217 | 256 | 267 | 298 | 303 | 268 |
| Nebraska | 278 | 296 | 299 | 300 | 318 | 298 |
| Nevada | 86 | 92 | 95 | 98 | 98 | 94 |
| New Hampshire | 348 | 348 | 351 | 359 | 394 | 360 |
| New Jersey | 152 | 150 | 150 | 146 | 164 | 152 |
| New Mexico | 177 | 174 | 178 | 223 | 257 | 202 |
| New York | 340 | 364 | 357 | 382 | 421 | 373 |
| North Carolina | 309 | 323 | 324 | 332 | 362 | 330 |
| North Dakota | 337 | 345 | 343 | 395 | 414 | 367 |
| Ohio | 203 | 214 | 213 | 237 | 262 | 226 |
| Oklahoma | 131 | 135 | 152 | 156 | 162 | 147 |
| Oregon | 196 | 205 | 211 | 218 | 236 | 213 |
| Pennsylvania | 344 | 363 | 371 | 379 | 421 | 376 |
| Rhode Island | 348 | 369 | 361 | 388 | 419 | 377 |
| South Carolina | 145 | 144 | 145 | 145 | 152 | 146 |
| South Dakota | 132 | 134 | 125 | 112 | 129 | 126 |
| Tennessee | 191 | 196 | 203 | 233 | 243 | 213 |
| Texas | 196 | 206 | 226 | 232 | 248 | 222 |
| Utah | 258 | 288 | 289 | 298 | 314 | 289 |
| Vermont | 211 | 222 | 301 | 306 | 338 | 276 |
| Virginia | 198 | 213 | 222 | 224 | 244 | 220 |
| **Washington** | **237** | **237** | **237** | **243** | **253** | **241** |
| West Virginia | 117 | 119 | 122 | 130 | 140 | 122 |
| Wisconsin | 266 | 285 | 296 | 301 | 334 | 296 |
| Wyoming | 196 | 139 | 161 | 161 | 240 | 179 |
| U.S. average | 240 | 252 | 258 | 268 | 291 | 262 |
| **Washington's Rank** | **17** | **21** | **24** | **26** | **28** | **25** |

SOURCE: The National Science Foundation, 2022. (www.nsf.gov)

Table 1.9
Innovation Drivers

**Industry Research and Development**

(Dollars Per Capita)

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017-21 |
|---|---|---|---|---|---|---|
| Alabama | 389 | 457 | 494 | 584 | 576 | 500 |
| Alaska | 1,233 | 34 | 67 | 64 | 282 | 336 |
| Arizona | 903 | 867 | 880 | 989 | 1,291 | 986 |
| Arkansas | 155 | 156 | 153 | 137 | 164 | 153 |
| California | 3,351 | 3,662 | 4,352 | 4,887 | 5,406 | 4,332 |
| Colorado | 839 | 884 | 1,054 | 1,235 | 1,393 | 1,081 |
| Connecticut | 2,423 | 2,097 | 2,081 | 2,209 | 2,339 | 2,230 |
| Delaware | 2,129 | 2,460 | 2,214 | 2,520 | 3,575 | 2,579 |
| Florida | 308 | 305 | 338 | 365 | 444 | 352 |
| Georgia | 618 | 482 | 456 | 502 | 598 | 531 |
| Hawaii | 118 | 103 | 112 | 192 | 283 | 162 |
| Idaho | 1,018 | 1,460 | 1,509 | 1,195 | 1,186 | 1,273 |
| Illinois | 1,125 | 1,036 | 1,114 | 1,102 | 1,299 | 1,135 |
| Indiana | 942 | 1,042 | 1,181 | 1,223 | 1,396 | 1,157 |
| Iowa | 934 | 1,053 | 978 | 1,083 | 952 | 1,000 |
| Kansas | 759 | 891 | 943 | 943 | 935 | 894 |
| Kentucky | 221 | 322 | 331 | 279 | 330 | 297 |
| Louisiana | 63 | 89 | 151 | 115 | 115 | 107 |
| Maine | 219 | 213 | 310 | 318 | 362 | 284 |
| Maryland | 924 | 997 | 968 | 959 | 1,042 | 978 |
| Massachusetts | 3,448 | 3,964 | 4,475 | 4,678 | 5,685 | 4,450 |
| Michigan | 2,112 | 2,245 | 2,131 | 2,144 | 2,230 | 2,172 |
| Minnesota | 1,281 | 1,321 | 1,423 | 1,370 | 1,442 | 1,368 |
| Mississippi | 89 | 93 | 109 | 94 | 116 | 100 |
| Missouri | 867 | 1,171 | 1,034 | 1,056 | 1,144 | 1,054 |
| Montana | 127 | 170 | 192 | 223 | 236 | 189 |
| Nebraska | 308 | 296 | 411 | 427 | 543 | 397 |
| Nevada | 208 | 317 | 339 | 299 | 328 | 298 |
| New Hampshire | 1,014 | 1,896 | 1,869 | 1,998 | 2,294 | 1,814 |
| New Jersey | 1,822 | 2,279 | 2,296 | 2,374 | 2,702 | 2,294 |
| New Mexico | 384 | 334 | 304 | 538 | 800 | 472 |
| New York | 789 | 897 | 1,037 | 1,165 | 1,326 | 1,043 |
| North Carolina | 997 | 1,129 | 1,263 | 1,279 | 1,466 | 1,227 |
| North Dakota | 402 | 412 | 458 | 439 | 441 | 430 |
| Ohio | 838 | 826 | 910 | 933 | 981 | 898 |
| Oklahoma | 212 | 220 | 270 | 255 | 265 | 244 |
| Oregon | 1,856 | 2,093 | 1,871 | 2,467 | 2,653 | 2,188 |
| Pennsylvania | 858 | 946 | 1,191 | 1,188 | 1,349 | 1,106 |
| Rhode Island | 689 | 664 | 675 | 638 | 763 | 686 |
| South Carolina | 273 | 328 | 346 | 305 | 358 | 322 |
| South Dakota | 229 | 229 | 219 | 243 | 247 | 233 |
| Tennessee | 210 | 213 | 244 | 263 | 399 | 265 |
| Texas | 742 | 731 | 824 | 892 | 956 | 829 |
| Utah | 918 | 959 | 891 | 1,000 | 1,186 | 991 |
| Vermont | 406 | 480 | 391 | 572 | 705 | 511 |
| Virginia | 511 | 673 | 710 | 838 | 945 | 735 |
| **Washington** | **2,898** | **4,028** | **4,902** | **5,387** | **6,340** | **4,711** |
| West Virginia | 117 | 132 | 137 | 128 | 292 | 161 |
| Wisconsin | 938 | 1,027 | 1,119 | 1,090 | 1,153 | 1,066 |
| Wyoming | 150 | 68 | 1,185 | 1,812 | 160 | 675 |
| U.S. average | 1223 | 1344 | 1501 | 1621 | 1814 | 1,500 |
| **Washington's Rank** | **3** | **1** | **1** | **1** | **1** | **1** |

SOURCE: The National Science Foundation, 2021. (www.nsf.gov)

Table 1.10
Innovation Drivers

**State Government Research and Development**

(Dollars Per Capita)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 4.43 | 4.03 | 5.11 | 5.90 | 17.39 | 7.37 |
| Alaska | 14.71 | 17.09 | 20.73 | 26.77 | 23.40 | 20.54 |
| Arizona | 1.81 | 2.38 | 2.23 | 2.06 | 1.08 | 1.91 |
| Arkansas | 5.42 | 6.99 | 6.61 | 3.27 | 3.20 | 5.10 |
| California | 16.04 | 13.34 | 13.52 | 13.38 | 12.55 | 13.77 |
| Colorado | 5.38 | 6.35 | 5.94 | 6.61 | 6.52 | 6.16 |
| Connecticut | 15.26 | 16.06 | 16.44 | 15.28 | 16.79 | 15.96 |
| Delaware | 3.99 | 3.93 | 3.63 | 3.32 | 3.38 | 3.65 |
| Florida | 8.78 | 7.94 | 8.55 | 8.17 | 8.10 | 8.31 |
| Georgia | 1.72 | 1.78 | 1.48 | 1.74 | 2.29 | 1.80 |
| Hawaii | 9.14 | 5.17 | 7.66 | 7.13 | 4.40 | 6.70 |
| Idaho | 8.96 | 9.98 | 11.83 | 9.56 | 10.54 | 10.18 |
| Illinois | 1.38 | 1.38 | 1.26 | 1.28 | 1.31 | 1.32 |
| Indiana | 2.96 | 1.84 | 1.41 | 1.54 | 1.77 | 1.90 |
| Iowa | 3.08 | 2.98 | 3.87 | 3.31 | 3.32 | 3.31 |
| Kansas | 4.90 | 4.24 | 4.48 | 5.11 | 6.00 | 4.95 |
| Kentucky | 5.03 | 5.97 | 5.94 | 6.60 | 7.73 | 6.25 |
| Louisiana | 7.95 | 7.56 | 6.96 | 6.94 | 6.94 | 7.27 |
| Maine | 11.94 | 24.25 | 21.28 | 23.49 | 17.86 | 19.76 |
| Maryland | 5.13 | 4.81 | 5.41 | 4.57 | 5.07 | 5.00 |
| Massachusetts | 3.34 | 4.12 | 4.53 | 3.33 | 3.81 | 3.83 |
| Michigan | 0.77 | 0.80 | 1.11 | 2.96 | 3.04 | 1.74 |
| Minnesota | 3.30 | 3.57 | 3.59 | 3.93 | 4.39 | 3.76 |
| Mississippi | 3.09 | 4.09 | 3.47 | 3.78 | 3.33 | 3.55 |
| Missouri | 2.67 | 2.45 | 2.41 | 2.27 | 2.01 | 2.36 |
| Montana | 8.36 | 8.23 | 12.08 | 7.64 | 8.69 | 9.00 |
| Nebraska | 13.80 | 14.56 | 16.52 | 15.95 | 16.61 | 15.49 |
| Nevada | 2.41 | 2.56 | 1.53 | 1.34 | 1.15 | 1.80 |
| New Hampshire | 6.11 | 6.20 | 5.96 | 6.25 | 6.59 | 6.22 |
| New Jersey | 5.77 | 2.69 | 2.56 | 1.39 | 7.02 | 3.89 |
| New Mexico | 1.61 | 1.71 | 2.47 | 1.44 | 1.64 | 1.77 |
| New York | 23.05 | 23.05 | 22.57 | 21.02 | 25.73 | 23.09 |
| North Carolina | 3.25 | 3.12 | 3.43 | 3.49 | 3.63 | 3.38 |
| North Dakota | 21.25 | 15.93 | 23.17 | 45.17 | 22.95 | 25.69 |
| Ohio | 8.55 | 8.36 | 6.46 | 4.70 | 5.99 | 6.81 |
| Oklahoma | 6.81 | 7.48 | 7.58 | 14.03 | 6.88 | 8.56 |
| Oregon | 7.47 | 10.48 | 7.18 | 8.79 | 7.97 | 8.38 |
| Pennsylvania | 7.94 | 6.64 | 7.93 | 7.19 | 6.83 | 7.31 |
| Rhode Island | 3.18 | 5.20 | 4.19 | 9.32 | 7.64 | 5.91 |
| South Carolina | 6.74 | 9.13 | 9.12 | 8.58 | 9.48 | 8.61 |
| South Dakota | 4.71 | 3.34 | 3.28 | 3.56 | 5.05 | 3.99 |
| Tennessee | 1.36 | 1.09 | 1.02 | 1.48 | 5.53 | 2.09 |
| Texas | 7.98 | 8.04 | 7.02 | 8.65 | 8.25 | 7.99 |
| Utah | 8.75 | 2.49 | 2.80 | 2.49 | 2.61 | 3.83 |
| Vermont | 2.95 | 4.38 | 2.60 | 2.37 | 2.26 | 2.91 |
| Virginia | 3.60 | 3.51 | 4.12 | 5.19 | 4.64 | 4.21 |
| **Washington** | **4.93** | **6.82** | **7.41** | **7.32** | **7.82** | **6.86** |
| West Virginia | 5.82 | 6.18 | 6.06 | 5.05 | 5.17 | 5.66 |
| Wisconsin | 2.73 | 3.00 | 2.43 | 2.59 | 3.24 | 2.80 |
| Wyoming | 8.46 | 10.37 | 11.06 | 12.56 | 9.73 | 10.44 |
| U.S. Average | 7.65 | 7.62 | 7.37 | 7.44 | 7.93 | 7.60 |
| **Washington's Rank** | **28** | **19** | **16** | **17** | **16** | **19** |

SOURCE: National Science Foundation, data through 2022

Table 1.11
Innovation Drivers
**Patents Issued**
Per 100,000 Residents

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 12.8 | 12.1 | 11.1 | 9.6 | 9.3 | 11.0 |
| Alaska | 7.5 | 9.1 | 6.1 | 6.7 | 4.5 | 6.8 |
| Arizona | 44.1 | 43.7 | 38.5 | 34.6 | 34.9 | 39.2 |
| Arkansas | 19.9 | 17.7 | 10.2 | 8.7 | 10.3 | 13.4 |
| California | 128.5 | 127.8 | 105.8 | 104.3 | 110.2 | 115.3 |
| Colorado | 65.7 | 64.6 | 53.4 | 53.3 | 56.4 | 58.7 |
| Connecticut | 99.9 | 97.2 | 73.5 | 67.6 | 61.5 | 79.9 |
| Delaware | 30.9 | 36.1 | 26.7 | 27.0 | 27.4 | 29.6 |
| Florida | 25.8 | 25.5 | 20.3 | 19.6 | 20.0 | 22.2 |
| Georgia | 31.1 | 31.4 | 23.8 | 21.9 | 20.5 | 25.7 |
| Hawaii | 10.9 | 11.1 | 8.6 | 9.8 | 9.1 | 9.9 |
| Idaho | 59.0 | 65.6 | 63.1 | 59.9 | 65.4 | 62.6 |
| Illinois | 51.1 | 48.3 | 37.6 | 35.1 | 36.1 | 41.6 |
| Indiana | 40.6 | 37.3 | 29.5 | 27.7 | 26.2 | 32.3 |
| Iowa | 39.0 | 37.7 | 35.5 | 31.8 | 32.9 | 35.4 |
| Kansas | 31.3 | 30.8 | 26.2 | 25.7 | 25.2 | 27.9 |
| Kentucky | 19.1 | 19.3 | 15.1 | 15.0 | 15.7 | 16.8 |
| Louisiana | 10.9 | 11.0 | 8.9 | 7.9 | 8.5 | 9.4 |
| Maine | 18.5 | 16.7 | 15.7 | 13.5 | 11.7 | 15.2 |
| Maryland | 40.0 | 40.2 | 34.4 | 30.0 | 30.0 | 34.9 |
| Massachusetts | 131.0 | 125.6 | 109.6 | 104.4 | 106.6 | 115.5 |
| Michigan | 83.2 | 74.3 | 57.2 | 52.3 | 52.9 | 64.0 |
| Minnesotta | 87.4 | 82.9 | 65.4 | 60.2 | 60.6 | 71.3 |
| Mississippi | 7.7 | 6.9 | 6.3 | 5.4 | 5.5 | 6.4 |
| Missouri | 28.3 | 26.9 | 21.2 | 17.9 | 18.5 | 22.6 |
| Montana | 20.9 | 16.6 | 15.1 | 16.9 | 15.9 | 17.1 |
| Nebraska | 22.0 | 21.7 | 16.7 | 16.2 | 15.2 | 18.4 |
| Nevada | 31.3 | 33.5 | 26.2 | 25.0 | 28.4 | 28.9 |
| New Hampshire | 83.6 | 80.0 | 70.3 | 57.8 | 58.3 | 70.0 |
| New Jersey | 58.5 | 54.2 | 45.4 | 42.5 | 42.4 | 48.6 |
| New Mexico | 27.7 | 24.0 | 18.8 | 18.8 | 19.9 | 21.9 |
| New York | 55.7 | 52.4 | 41.3 | 35.3 | 33.3 | 43.6 |
| North Carolina | 40.8 | 37.5 | 33.7 | 30.5 | 29.6 | 34.4 |
| North Dakota | 19.4 | 17.7 | 19.4 | 16.8 | 21.0 | 18.9 |
| Ohio | 45.8 | 45.7 | 36.0 | 32.3 | 32.1 | 38.4 |
| Oklahoma | 17.5 | 17.4 | 15.2 | 14.2 | 12.3 | 15.3 |
| Oregon | 96.0 | 96.4 | 67.6 | 65.3 | 64.7 | 78.0 |
| Pennsylvania | 37.0 | 36.5 | 30.1 | 30.3 | 30.3 | 32.8 |
| Rhode Island | 44.1 | 45.9 | 33.4 | 31.4 | 34.9 | 37.9 |
| South Carolina | 26.3 | 26.9 | 19.3 | 17.5 | 17.4 | 21.5 |
| South Dakota | 19.4 | 18.6 | 16.2 | 13.5 | 13.6 | 16.3 |
| Tennessee | 19.8 | 21.6 | 17.2 | 17.5 | 17.1 | 18.6 |
| Texas | 46.3 | 45.1 | 38.0 | 36.4 | 35.4 | 40.3 |
| Utah | 65.4 | 62.0 | 45.5 | 40.8 | 43.7 | 51.5 |
| Vermont | 59.6 | 55.8 | 43.6 | 41.4 | 56.1 | 51.3 |
| Virginia | 34.3 | 34.8 | 29.7 | 30.4 | 34.4 | 32.7 |
| **Washington** | **119.5** | **118.0** | **97.7** | **88.7** | **83.2** | **101.4** |
| West Virginia | 9.1 | 7.5 | 6.0 | 5.0 | 4.5 | 6.4 |
| Wisconsin | 51.8 | 49.8 | 40.1 | 38.0 | 39.4 | 43.8 |
| Wyoming | 21.9 | 27.5 | 19.8 | 19.6 | 23.1 | 22.4 |
| 50 State Average | 56.7 | 55.1 | 44.9 | 42.4 | 43.0 | 48.4 |
| **Washington's Rank** | **3** | **3** | **3** | **3** | **3** | **3** |

Source: U.S. Patent and Trademark Office, U.S. Census Bureau, 2024

Table 1.12
Innovation Drivers
**Venture Capital Investment**
Dollars per Thousand GDP

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 0.26 | 0.94 | 0.95 | 0.94 | 1.79 | 0.98 |
| Alaska | 0.46 | 0.32 | 0.55 | 1.05 | 0.24 | 0.53 |
| Arizona | 2.26 | 1.95 | 4.52 | 2.68 | 2.48 | 2.78 |
| Arkansas | 0.55 | 1.03 | 0.86 | 1.42 | 0.62 | 0.90 |
| California | 20.94 | 30.92 | 46.10 | 28.56 | 21.12 | 29.53 |
| Colorado | 6.39 | 7.48 | 15.13 | 11.88 | 8.16 | 9.81 |
| Connecticut | 3.01 | 5.14 | 5.78 | 5.82 | 2.47 | 4.45 |
| Delaware | 3.23 | 13.51 | 22.50 | 22.04 | 14.29 | 15.11 |
| Florida | 2.64 | 2.06 | 4.61 | 5.03 | 1.87 | 3.24 |
| Georgia | 2.67 | 3.81 | 6.02 | 2.94 | 1.98 | 3.48 |
| Hawaii | 0.44 | 0.36 | 0.68 | 0.54 | 0.33 | 0.47 |
| Idaho | 1.04 | 1.24 | 3.75 | 2.93 | 1.27 | 2.05 |
| Illinois | 2.50 | 3.49 | 7.75 | 10.19 | 2.35 | 5.25 |
| Indiana | 1.00 | 1.07 | 1.16 | 1.67 | 1.47 | 1.27 |
| Iowa | 0.21 | 0.91 | 0.93 | 1.21 | 0.78 | 0.81 |
| Kansas | 1.56 | 0.64 | 1.48 | 1.73 | 1.18 | 1.32 |
| Kentucky | 1.15 | 1.39 | 0.84 | 0.33 | 0.34 | 0.81 |
| Louisiana | 0.51 | 0.44 | 0.33 | 0.59 | 0.56 | 0.49 |
| Maine | 0.68 | 1.54 | 1.46 | 1.09 | 1.63 | 1.28 |
| Maryland | 2.16 | 3.28 | 5.01 | 3.29 | 3.59 | 3.47 |
| Massachusetts | 18.16 | 34.72 | 55.00 | 30.88 | 22.08 | 32.17 |
| Michigan | 0.16 | 7.47 | 2.41 | 1.94 | 1.61 | 2.71 |
| Minnesota | 3.17 | 5.51 | 3.21 | 5.06 | 2.64 | 3.92 |
| Mississippi | 0.61 | 0.00 | 0.09 | 0.48 | 0.04 | 0.25 |
| Missouri | 1.34 | 1.72 | 3.36 | 1.97 | 2.83 | 2.24 |
| Montana | 2.25 | 2.43 | 8.50 | 2.96 | 0.87 | 3.40 |
| Nebraska | 0.53 | 0.92 | 2.13 | 2.98 | 0.80 | 1.47 |
| Nevada | 0.79 | 2.17 | 8.61 | 5.89 | 5.29 | 4.55 |
| New Hampshire | 1.54 | 1.90 | 1.03 | 2.02 | 1.67 | 1.63 |
| New Jersey | 2.00 | 2.23 | 8.07 | 3.10 | 2.60 | 3.60 |
| New Mexico | 0.31 | 1.18 | 1.52 | 1.14 | 1.63 | 1.16 |
| New York | 11.79 | 12.94 | 25.97 | 14.27 | 10.06 | 15.01 |
| North Carolina | 2.06 | 7.29 | 5.31 | 6.16 | 2.14 | 4.59 |
| North Dakota | 0.37 | 0.13 | 0.75 | 1.03 | 0.82 | 0.62 |
| Ohio | 1.38 | 2.45 | 3.10 | 2.62 | 1.52 | 2.21 |
| Oklahoma | 0.18 | 0.21 | 0.50 | 0.93 | 0.72 | 0.51 |
| Oregon | 3.75 | 2.74 | 5.74 | 3.32 | 1.45 | 3.40 |
| Pennsylvania | 3.28 | 3.08 | 7.96 | 5.14 | 2.22 | 4.34 |
| Rhode Island | 0.99 | 1.78 | 1.34 | 2.46 | 0.60 | 1.43 |
| South Carolina | 0.53 | 0.57 | 0.93 | 2.26 | 0.40 | 0.94 |
| South Dakota | 1.64 | 0.41 | 2.69 | 0.09 | 0.21 | 1.01 |
| Tennessee | 2.47 | 1.44 | 2.34 | 2.01 | 3.01 | 2.25 |
| Texas | 2.00 | 2.83 | 4.33 | 4.27 | 2.60 | 3.21 |
| Utah | 7.22 | 10.52 | 17.90 | 9.92 | 4.21 | 9.95 |
| Vermont | 2.79 | 1.08 | 17.50 | 14.30 | 4.46 | 8.02 |
| Virginia | 2.10 | 2.39 | 4.19 | 4.68 | 3.09 | 3.29 |
| **Washington** | **6.34** | **8.91** | **12.49** | **11.07** | **4.66** | **8.69** |
| West Virginia | 0.00 | 0.01 | 0.34 | 0.10 | 0.03 | 0.10 |
| Wisconsin | 0.71 | 1.00 | 1.47 | 1.38 | 0.63 | 1.04 |
| Wyoming | 1.99 | 0.25 | 2.83 | 13.50 | 3.58 | 4.43 |
| 50 State Average | 6.24 | 9.00 | 14.02 | 9.29 | 6.14 | 8.94 |
| **Washington's Rank** | **6** | **6** | **8** | **8** | **7** | **7** |

SOURCE: National Venture Capital Assoiciation Yearbook, 2023

Table 1.13
Innovation Drivers
**Establishment Birth Rate**
Per 100 Existing Establishments

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 9.46 | 8.77 | 11.30 | 13.47 | 11.66 | 10.38 |
| Alaska | 9.81 | 10.35 | 13.26 | 12.90 | 10.79 | 11.24 |
| Arizona | 11.83 | 12.77 | 14.33 | 13.91 | 12.93 | 12.93 |
| Arkansas | 9.28 | 9.27 | 11.18 | 13.19 | 11.26 | 10.48 |
| California | 11.86 | 11.35 | 13.06 | 12.82 | 12.18 | 12.22 |
| Colorado | 12.07 | 12.38 | 14.43 | 13.29 | 13.76 | 12.80 |
| Connecticut | 7.70 | 13.33 | 13.14 | 12.48 | 10.89 | 10.97 |
| Delaware | 10.40 | 10.17 | 12.80 | 12.43 | 11.04 | 11.40 |
| Florida | 12.60 | 12.84 | 16.11 | 14.15 | 13.15 | 13.68 |
| Georgia | 13.49 | 11.42 | 15.08 | 13.04 | 11.68 | 12.79 |
| Hawaii | 9.14 | 10.29 | 13.04 | 11.63 | 9.37 | 10.87 |
| Idaho | 14.54 | 14.28 | 17.37 | 15.21 | 14.06 | 15.08 |
| Illinois | 8.66 | 9.55 | 10.96 | 10.43 | 9.19 | 9.80 |
| Indiana | 8.61 | 8.53 | 11.02 | 10.72 | 9.24 | 9.56 |
| Iowa | 8.34 | 8.43 | 9.45 | 9.47 | 8.83 | 8.75 |
| Kansas* | 9.54 | 9.77 | 12.58 | 14.64 | 12.27 | 11.16 |
| Kentucky | 9.15 | 9.62 | 11.54 | 10.82 | 9.75 | 10.12 |
| Louisiana | 7.81 | 7.11 | 9.51 | 9.54 | 8.95 | 8.51 |
| Maine | 9.23 | 9.95 | 14.32 | 13.07 | 11.10 | 11.22 |
| Maryland | 9.10 | 7.04 | 10.22 | 12.03 | 10.95 | 9.55 |
| Massachusetts | 9.52 | 9.87 | 14.56 | 9.58 | 7.61 | 10.80 |
| Michigan | 8.03 | 9.48 | 11.28 | 10.01 | 8.35 | 9.44 |
| Minnesota | 8.32 | 7.80 | 10.49 | 9.64 | 8.68 | 8.91 |
| Mississippi | 7.54 | 7.85 | 10.26 | 11.04 | 9.08 | 8.94 |
| Missouri | 12.43 | 12.08 | 14.87 | 15.10 | 12.75 | 13.35 |
| Montana | 10.66 | 11.58 | 14.99 | 13.06 | 10.85 | 12.21 |
| Nebraska | 8.81 | 10.32 | 10.47 | 11.28 | 10.49 | 10.13 |
| Nevada | 13.78 | 15.36 | 19.35 | 17.88 | 14.83 | 16.20 |
| New Hampshire | 10.34 | 11.86 | 15.52 | 14.54 | 11.98 | 12.66 |
| New Jersey | 11.05 | 11.56 | 18.15 | 13.28 | 11.39 | 12.98 |
| New Mexico | 9.75 | 9.74 | 11.89 | 12.34 | 10.90 | 10.71 |
| New York | 9.46 | 8.09 | 11.77 | 12.19 | 10.29 | 10.18 |
| North Carolina | 10.17 | 10.76 | 13.90 | 12.59 | 11.32 | 11.65 |
| North Dakota | 9.46 | 9.19 | 11.07 | 11.93 | 10.98 | 10.18 |
| Ohio | 8.03 | 8.45 | 10.24 | 9.89 | 8.80 | 8.96 |
| Oklahoma | 9.79 | 9.10 | 11.91 | 13.07 | 11.23 | 10.74 |
| Oregon | 9.50 | 15.10 | 11.23 | 10.67 | 10.79 | 11.28 |
| Pennsylvania | 8.44 | 8.28 | 11.75 | 10.57 | 9.16 | 9.48 |
| Rhode Island | 10.53 | 11.46 | 15.74 | 15.28 | 12.19 | 12.82 |
| South Carolina | 10.70 | 10.96 | 13.14 | 16.28 | 12.87 | 12.76 |
| South Dakota | 9.41 | 9.94 | 13.61 | 13.47 | 10.73 | 11.18 |
| Tennessee | 10.08 | 12.80 | 14.50 | 14.14 | 10.60 | 12.43 |
| Texas | 10.88 | 10.60 | 12.94 | 12.31 | 11.34 | 11.62 |
| Utah | 13.42 | 14.72 | 16.45 | 15.87 | 13.90 | 14.99 |
| Vermont | 9.19 | 7.05 | 14.86 | 15.67 | 11.91 | 11.33 |
| Virginia | 11.82 | 10.45 | 11.77 | 11.60 | 11.14 | 10.92 |
| **Washington** | **9.20** | **7.82** | **12.99** | **13.94** | **10.02** | **11.61** |
| West Virginia | 7.86 | 12.64 | 11.59 | 12.24 | 11.91 | 10.47 |
| Wisconsin | 9.04 | 9.45 | 12.18 | 13.21 | 10.70 | 10.66 |
| Wyoming | 10.49 | 10.28 | 13.49 | 13.27 | 12.67 | 11.48 |
| U.S. Average | 10.44 | 10.51 | 13.09 | 12.50 | 11.13 | 11.44 |
| **Washington's Rank** | **33** | **46** | **25** | **12** | **38** | **18** |

SOURCE: BLS Quarterly Census of Employment and Wages, 2023.

Table 1.14
Innovation Drivers
**Interstate Miles in Poor Condition**
(Percent)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-2022 |
|---|---|---|---|---|---|---|
| Alabama | 3.0 | 3.5 | 3.1 | N/A | 2.7 | 3.1 |
| Alaska | 11.0 | 7.7 | 9.0 | N/A | 8.7 | 9.1 |
| Arizona | 2.2 | 2.1 | 2.2 | N/A | 3.0 | 2.4 |
| Arkansas | 3.3 | 3.9 | 3.7 | N/A | 4.3 | 3.8 |
| California | 5.8 | 5.6 | 7.0 | N/A | 7.2 | 6.4 |
| Colorado | 6.2 | 6.1 | 7.8 | N/A | 7.4 | 6.9 |
| Connecticut | 2.3 | 1.4 | 1.5 | N/A | 1.7 | 1.7 |
| Delaware | 9.8 | 9.3 | 8.7 | N/A | 9.4 | 9.3 |
| Florida | 1.5 | 1.7 | 0.9 | N/A | 24.5 | 7.1 |
| Georgia | 2.2 | 2.1 | 1.2 | N/A | 0.6 | 1.5 |
| Hawaii | 20.0 | 22.9 | 25.9 | N/A | 1.1 | 17.5 |
| Idaho | 1.1 | 0.9 | 2.0 | N/A | 19.6 | 5.9 |
| Illinois | 2.8 | 3.7 | 2.8 | N/A | 1.1 | 2.6 |
| Indiana | 5.6 | 5.0 | 3.3 | N/A | 2.9 | 4.2 |
| Iowa | 1.7 | 1.6 | 2.3 | N/A | 2.3 | 2.0 |
| Kansas | 1.1 | 1.6 | 1.4 | N/A | 1.9 | 1.5 |
| Kentucky | 1.4 | 1.6 | 1.2 | N/A | 1.2 | 1.3 |
| Louisiana | 7.2 | 7.4 | 7.0 | N/A | 1.9 | 5.9 |
| Maine | 1.1 | 2.2 | 1.4 | N/A | 8.6 | 3.3 |
| Maryland | 5.0 | 5.2 | 5.2 | N/A | 0.3 | 3.9 |
| Massachusetts | 3.3 | 2.7 | 2.8 | N/A | 5.2 | 3.5 |
| Michigan | 6.4 | 6.0 | 5.6 | N/A | 3.6 | 5.4 |
| Minnesota | 3.1 | 3.6 | 1.7 | N/A | 4.7 | 3.3 |
| Mississippi | 2.0 | 2.3 | 2.0 | N/A | 0.8 | 1.8 |
| Missouri | 1.4 | 1.5 | 1.5 | N/A | 2.6 | 1.7 |
| Montana | 1.2 | 1.1 | 1.4 | N/A | 1.7 | 1.3 |
| Nebraska | 1.7 | 2.0 | 1.1 | N/A | 0.5 | 1.3 |
| Nevada | 1.8 | 0.9 | 0.8 | N/A | 1.1 | 1.1 |
| New Hampshire | 0.0 | 0.1 | 0.3 | N/A | 0.9 | 0.3 |
| New Jersey | 8.6 | 9.1 | 8.5 | N/A | 0.0 | 6.6 |
| New Mexico | 1.3 | 2.2 | 2.9 | N/A | 5.9 | 3.1 |
| New York | 5.2 | 6.3 | 6.3 | N/A | 3.5 | 5.3 |
| North Carolina | 1.5 | 1.5 | 1.7 | N/A | 6.7 | 2.9 |
| North Dakota | 0.5 | 0.4 | 0.4 | N/A | 1.7 | 0.8 |
| Ohio | 3.0 | 3.4 | 3.6 | N/A | 0.3 | 2.6 |
| Oklahoma | 3.4 | 3.7 | 3.3 | N/A | 3.0 | 3.3 |
| Oregon | 1.4 | 1.3 | 1.4 | N/A | 3.0 | 1.8 |
| Pennsylvania | 4.2 | 4.7 | 4.4 | N/A | 1.4 | 3.7 |
| Rhode Island | 1.4 | 2.1 | 1.9 | N/A | 3.8 | 2.3 |
| South Carolina | 1.4 | 4.1 | 1.0 | N/A | 0.4 | 1.7 |
| South Dakota | 0.7 | 0.8 | 0.5 | N/A | 1.4 | 0.9 |
| Tennessee | 1.2 | 1.2 | 1.1 | N/A | 0.5 | 1.0 |
| Texas | 2.1 | 1.9 | 2.4 | N/A | 1.4 | 1.9 |
| Utah | 1.1 | 0.6 | 0.9 | N/A | 2.4 | 1.2 |
| Vermont | 0.3 | 0.6 | 1.2 | N/A | 0.9 | 0.8 |
| Virginia | 1.3 | 1.5 | 1.4 | N/A | 1.5 | 1.4 |
| **Washington** | **6.3** | **4.6** | **3.6** | **N/A** | **1.9** | **4.1** |
| West Virginia | 3.1 | 3.2 | 5.8 | N/A | 3.8 | 4.0 |
| Wisconsin | 4.5 | 3.1 | 3.7 | N/A | 2.8 | 3.5 |
| Wyoming | 1.8 | 1.4 | 2.2 | N/A | 2.7 | 2.0 |
| U.S. Average | 3.2 | 3.2 | 3.2 | N/A | 3.0 | 3.1 |
| **Washington's Rank** | **44** | **38** | **35** | **N/A** | **23** | **38** |

Source: Federal Highway Administration, Highway Statistics, Table HM-64, 2022
The US DOT did not publish 2021 road condidtion data due to data quality concerns.

Table 1.15
Innovation Drivers
**FAA Air Traffic Delays**
Delays Per 1000 Operations

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Alaska | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 |
| Arizona | 0.8 | 1.6 | 1.1 | 1.1 | 1.1 | 1.2 |
| Arkansas | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| California | 0.8 | 0.8 | 1.2 | 1.2 | 1.2 | 1.0 |
| Colorado | 1.6 | 3.4 | 2.4 | 2.4 | 2.4 | 2.5 |
| Connecticut | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| Delaware | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Florida | 1.2 | 4.4 | 6.9 | 6.9 | 6.9 | 5.3 |
| Georgia | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 1.1 |
| Hawaii | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 |
| Idaho | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 |
| Illinois | 2.0 | 3.4 | 2.5 | 2.5 | 2.5 | 2.6 |
| Indiana | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Iowa | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Kansas | 0.2 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| Kentucky | 0.2 | 0.6 | 0.7 | 0.7 | 0.7 | 0.6 |
| Louisiana | 0.6 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 |
| Maine | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Maryland | 0.4 | 1.1 | 1.0 | 1.0 | 1.0 | 0.9 |
| Massachusetts | 2.2 | 0.9 | 8.6 | 8.6 | 8.6 | 5.8 |
| Michigan | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| Minnesota | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 |
| Mississippi | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Missouri | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Montana | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Nebraska | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nevada | 2.2 | 5.8 | 11.2 | 11.2 | 11.2 | 8.3 |
| New Hampshire | 0.3 | 0.4 | 0.8 | 0.8 | 0.8 | 0.6 |
| New Jersey | 19.3 | 12.9 | 25.0 | 25.0 | 25.0 | 21.4 |
| New Mexico | 0.3 | 0.5 | 0.3 | 0.3 | 0.3 | 0.3 |
| New York | 2.7 | 3.1 | 9.0 | 9.0 | 9.0 | 6.5 |
| North Carolina | 4.8 | 4.8 | 2.5 | 2.5 | 2.5 | 3.4 |
| North Dakota | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ohio | 0.3 | 0.7 | 1.2 | 1.2 | 1.2 | 0.9 |
| Oklahoma | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oregon | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Pennsylvania | 2.2 | 3.3 | 2.0 | 2.0 | 2.0 | 2.3 |
| Rhode Island | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| South Carolina | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| South Dakota | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tennessee | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Texas | 2.3 | 4.9 | 2.3 | 2.3 | 2.3 | 2.8 |
| Utah | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.4 |
| Vermont | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| Virginia | 1.2 | 2.7 | 2.6 | 2.6 | 2.6 | 2.4 |
| **Washington** | **1.4** | **1.1** | **1.1** | **1.1** | **1.1** | **1.1** |
| West Virginia | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Wisconsin | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Wyoming | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| U.S. Average | 4.4 | 1.3 | 2.2 | 2.7 | 2.9 | 2.7 |
| **Washington Rank** | **40** | **38** | **36** | **36** | **36** | **38** |

SOURCE: FAA Air Traffic System Management, Air Traffic Activity and Delay Report, 2023

Table 1.16

Innovation Drivers

**Households With A Broadband Internet Subscription**

(Percent)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 72.6 | 75.6 | 79.0 | 85.0 | 87.4 | 79.9 |
| Alaska | 83.9 | 85.1 | 86.9 | 90.7 | 91.6 | 87.6 |
| Arizona | 81.2 | 83.5 | 86.0 | 91.4 | 91.1 | 86.7 |
| Arkansas | 69.2 | 72.4 | 76.2 | 85.5 | 86.8 | 78.0 |
| California | 84.2 | 86.1 | 88.3 | 92.9 | 93.4 | 89.0 |
| Colorado | 85.2 | 87.1 | 89.1 | 93.0 | 93.2 | 89.5 |
| Connecticut | 83.0 | 84.7 | 86.5 | 92.2 | 92.1 | 87.7 |
| Delaware | 81.7 | 84.3 | 86.7 | 91.9 | 92.5 | 87.4 |
| Florida | 80.1 | 82.4 | 84.8 | 90.5 | 91.7 | 85.9 |
| Georgia | 78.4 | 80.6 | 83.6 | 90.0 | 91.2 | 84.7 |
| Hawaii | 82.7 | 84.2 | 86.5 | 91.3 | 91.3 | 87.2 |
| Idaho | 79.3 | 82.3 | 85.5 | 90.5 | 92.1 | 85.9 |
| Illinois | 79.9 | 82.0 | 84.6 | 89.8 | 90.7 | 85.4 |
| Indiana | 76.9 | 79.4 | 82.4 | 89.3 | 90.1 | 83.6 |
| Iowa | 78.2 | 80.2 | 82.4 | 88.3 | 89.6 | 83.8 |
| Kansas | 79.0 | 81.2 | 83.8 | 89.8 | 90.8 | 84.9 |
| Kentucky | 74.7 | 77.5 | 80.7 | 87.1 | 89.1 | 81.8 |
| Louisiana | 71.9 | 74.5 | 78.0 | 85.4 | 85.4 | 79.1 |
| Maine | 79.4 | 81.4 | 83.7 | 89.8 | 90.7 | 85.0 |
| Maryland | 84.0 | 85.7 | 87.9 | 91.8 | 92.4 | 88.4 |
| Massachusetts | 84.0 | 85.6 | 87.5 | 92.2 | 92.9 | 88.4 |
| Michigan | 78.2 | 80.8 | 83.5 | 90.0 | 90.5 | 84.6 |
| Minnesota | 82.3 | 84.2 | 86.4 | 91.3 | 92.0 | 87.2 |
| Mississippi | 67.2 | 70.7 | 74.8 | 81.8 | 84.3 | 75.7 |
| Missouri | 76.9 | 79.5 | 82.4 | 88.5 | 89.5 | 83.3 |
| Montana | 77.5 | 80.0 | 82.5 | 88.8 | 89.2 | 83.6 |
| Nebraska | 80.5 | 82.8 | 84.9 | 89.8 | 90.2 | 85.6 |
| Nevada | 80.8 | 82.6 | 84.9 | 90.5 | 91.5 | 86.1 |
| New Hampshire | 85.7 | 87.1 | 88.2 | 92.3 | 93.9 | 89.4 |
| New Jersey | 83.4 | 85.1 | 87.1 | 91.9 | 93.0 | 88.1 |
| New Mexico | 71.6 | 73.9 | 77.1 | 84.3 | 86.6 | 78.7 |
| New York | 80.0 | 81.9 | 84.3 | 90.4 | 90.4 | 85.4 |
| North Carolina | 77.6 | 80.0 | 82.7 | 88.9 | 90.2 | 83.9 |
| North Dakota | 78.3 | 79.9 | 82.3 | 88.1 | 89.4 | 83.6 |
| Ohio | 79.0 | 81.2 | 83.7 | 88.9 | 90.4 | 84.6 |
| Oklahoma | 75.2 | 78.0 | 80.9 | 87.8 | 88.6 | 82.1 |
| Oregon | 83.5 | 85.5 | 87.5 | 91.6 | 92.4 | 88.1 |
| Pennsylvania | 78.5 | 80.7 | 83.2 | 88.8 | 89.9 | 84.2 |
| Rhode Island | 81.0 | 83.2 | 85.6 | 90.8 | 91.4 | 86.4 |
| South Carolina | 74.7 | 77.5 | 80.5 | 87.8 | 89.2 | 81.9 |
| South Dakota | 77.4 | 80.0 | 82.6 | 88.0 | 89.9 | 83.6 |
| Tennessee | 74.7 | 77.6 | 80.7 | 88.0 | 89.6 | 82.1 |
| Texas | 78.7 | 81.2 | 84.4 | 90.1 | 91.5 | 85.2 |
| Utah | 85.3 | 87.1 | 89.0 | 93.5 | 93.6 | 89.7 |
| Vermont | 79.5 | 80.8 | 82.2 | 89.2 | 90.7 | 84.5 |
| Virginia | 81.4 | 83.3 | 85.4 | 90.6 | 90.9 | 86.3 |
| **Washington** | **86.0** | **87.9** | **89.6** | **93.5** | **93.6** | **90.1** |
| West Virginia | 72.0 | 74.9 | 77.6 | 85.0 | 86.4 | 79.2 |
| Wisconsin | 79.8 | 81.8 | 84.0 | 89.6 | 90.6 | 85.2 |
| Wyoming | 80.5 | 82.8 | 85.1 | 90.3 | 89.5 | 85.7 |
| U.S. Average | 79.8 | 82.0 | 84.5 | 90.1 | 91.0 | 85.5 |
| **Washington's Rank** | **1** | **1** | **1** | **2** | **3** | **1** |

Source: U.S. Department of Commerce, Census Bureau, American Community Survey (ACS), 2022.

Table 1.17
Innovation Drivers
**Unlinked Passenger Trips**
(Per Capita)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 1.7 | 1.6 | 0.8 | 0.9 | 0.8 | 1.2 |
| Alaska | 8.3 | 8.6 | 2.7 | 4.6 | 6.5 | 6.1 |
| Arizona | 12.9 | 12.8 | 10.1 | 9.0 | 7.3 | 10.4 |
| Arkansas | 2.0 | 2.0 | 0.5 | 1.0 | 1.4 | 1.4 |
| California | 32.8 | 32.1 | 25.0 | 12.5 | 18.1 | 24.1 |
| Colorado | 23.3 | 23.3 | 9.8 | 11.5 | 14.5 | 16.5 |
| Connecticut | 11.6 | 11.4 | 9.6 | 6.7 | 7.7 | 9.4 |
| Delaware | 8.4 | 8.3 | 6.8 | 5.2 | 6.7 | 7.1 |
| Florida | 10.7 | 10.6 | 7.4 | 6.3 | 7.0 | 8.4 |
| Georgia | 13.8 | 13.4 | 9.8 | 5.1 | 5.8 | 9.6 |
| Hawaii | 48.9 | 47.7 | 35.5 | 21.0 | 26.6 | 36.0 |
| Idaho | 2.0 | 1.9 | 0.8 | 5.3 | 1.3 | 2.2 |
| Illinois | 47.5 | 46.0 | 19.9 | 19.0 | 24.3 | 31.3 |
| Indiana | 4.8 | 4.8 | 2.3 | 2.5 | 3.0 | 3.5 |
| Iowa | 7.9 | 7.5 | 4.6 | 3.1 | 4.6 | 5.6 |
| Kansas | 2.8 | 2.8 | 1.4 | 1.4 | 1.8 | 2.0 |
| Kentucky | 5.3 | 5.2 | 3.5 | 2.3 | 2.7 | 3.8 |
| Louisiana | 7.0 | 6.3 | 2.8 | 2.9 | 4.3 | 4.7 |
| Maine | 5.4 | 5.8 | 1.7 | 2.8 | 3.7 | 3.9 |
| Maryland | 21.8 | 21.0 | 16.1 | 9.3 | 11.6 | 15.9 |
| Massachusetts | 59.1 | 58.2 | 43.3 | 0.6 | 32.6 | 38.7 |
| Michigan | 9.2 | 9.2 | 5.9 | 3.2 | 4.5 | 6.4 |
| Minnesota | 18.9 | 18.3 | 8.2 | 7.5 | 9.3 | 12.4 |
| Mississippi | 1.5 | 1.5 | 0.4 | 0.7 | 0.9 | 1.0 |
| Missouri | 9.6 | 9.3 | 7.1 | 5.0 | 5.6 | 7.3 |
| Montana | 4.0 | 4.0 | 2.0 | 1.9 | 2.3 | 2.8 |
| Nebraska | 3.5 | 3.4 | 2.1 | 2.3 | 2.9 | 2.8 |
| Nevada | 24.8 | 24.3 | 20.8 | 13.0 | 14.9 | 19.6 |
| New Hampshire | 3.0 | 3.0 | 0.4 | 1.1 | 1.6 | 1.8 |
| New Jersey | 45.6 | 45.8 | 26.9 | 17.1 | 19.8 | 31.1 |
| New Mexico | 6.8 | 6.5 | 4.0 | 2.6 | 3.5 | 4.7 |
| New York | 198.8 | 204.1 | 90.2 | 99.8 | 135.7 | 145.7 |
| North Carolina | 6.6 | 6.7 | 4.9 | 3.2 | 4.3 | 5.2 |
| North Dakota | 3.6 | 3.4 | 1.4 | 2.1 | 2.4 | 2.6 |
| Ohio | 8.3 | 8.0 | 4.2 | 4.4 | 5.0 | 6.0 |
| Oklahoma | 2.7 | 2.6 | 1.3 | 1.4 | 1.6 | 1.9 |
| Oregon | 29.9 | 29.3 | 22.8 | 12.1 | 15.0 | 21.8 |
| Pennsylvania | 32.9 | 32.1 | 24.7 | 11.2 | 17.6 | 23.7 |
| Rhode Island | 15.8 | 15.6 | 12.3 | 7.3 | 8.9 | 12.0 |
| South Carolina | 2.2 | 2.0 | 1.2 | 1.4 | 1.4 | 1.6 |
| South Dakota | 3.2 | 3.1 | 0.5 | 1.8 | 2.1 | 2.2 |
| Tennessee | 4.5 | 4.4 | 2.7 | 2.3 | 2.7 | 3.3 |
| Texas | 9.6 | 9.8 | 6.7 | 4.9 | 5.8 | 7.4 |
| Utah | 15.4 | 15.3 | 7.4 | 7.9 | 10.4 | 11.3 |
| Vermont | 8.8 | 9.2 | 3.6 | 4.1 | 5.8 | 6.3 |
| Virginia | 7.8 | 7.8 | 5.6 | 3.6 | 4.8 | 5.9 |
| **Washington** | **35.9** | **35.3** | **16.5** | **15.4** | **20.4** | **24.7** |
| West Virginia | 4.3 | 4.0 | 2.3 | 1.8 | 2.9 | 3.1 |
| Wisconsin | 10.2 | 9.8 | 4.8 | 5.1 | 6.3 | 7.2 |
| Wyoming | 4.3 | 4.3 | 3.0 | 1.9 | 2.4 | 3.2 |
| U.S. Average | 29.3 | 29.0 | 16.6 | 12.8 | 17.4 | 21.0 |
| **Washington's Rank** | **6** | **6** | **10** | **5** | **5** | **6** |

Source: Federal Transit Administration, National Transit Database, data through 2022

Table 1.18
Innovation Drivers
**Rail Freight Value**
(Millions of Dollars)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 2,894 | 2,317 | 2,984 | 3,238 | 3,402 | 2,967 |
| Alaska | 52 | 36 | 46 | 69 | 110 | 63 |
| Arizona | 2,046 | 1,475 | 2,000 | 1,983 | 1,201 | 1,741 |
| Arkansas | 966 | 711 | 947 | 734 | 780 | 828 |
| California | 20,635 | 19,186 | 19,717 | 16,316 | 10,463 | 17,264 |
| Colorado | 446 | 383 | 845 | 765 | 672 | 622 |
| Connecticut | 1,204 | 897 | 885 | 942 | 687 | 923 |
| Delaware | 852 | 272 | 541 | 699 | 259 | 525 |
| Florida | 1,314 | 1,297 | 1,461 | 1,940 | 1,808 | 1,564 |
| Georgia | 2,227 | 1,552 | 2,058 | 2,255 | 2,154 | 2,049 |
| Hawaii | 0 | 0 | 0 | 1 | 1 | 1 |
| Idaho | 729 | 637 | 872 | 893 | 753 | 777 |
| Illinois | 10,226 | 8,945 | 11,413 | 13,983 | 13,416 | 11,597 |
| Indiana | 6,557 | 5,664 | 7,375 | 8,043 | 8,144 | 7,157 |
| Iowa | 2,574 | 2,682 | 4,061 | 5,332 | 4,727 | 3,875 |
| Kansas | 1,576 | 1,630 | 2,124 | 2,577 | 1,959 | 1,973 |
| Kentucky | 4,216 | 3,816 | 4,281 | 5,151 | 5,590 | 4,611 |
| Louisiana | 3,757 | 2,549 | 3,436 | 4,080 | 3,571 | 3,479 |
| Maine | 284 | 293 | 429 | 552 | 436 | 399 |
| Maryland | 467 | 427 | 602 | 669 | 527 | 538 |
| Massachusetts | 588 | 551 | 774 | 822 | 693 | 685 |
| Michigan | 54,175 | 41,167 | 44,932 | 52,908 | 62,440 | 51,124 |
| Minnesota | 1,865 | 1,859 | 3,431 | 4,317 | 3,668 | 3,028 |
| Mississippi | 1,869 | 1,301 | 1,671 | 2,702 | 2,248 | 1,958 |
| Missouri | 2,936 | 3,031 | 3,992 | 4,353 | 4,882 | 3,839 |
| Montana | 329 | 316 | 494 | 531 | 803 | 495 |
| Nebraska | 1,598 | 1,590 | 1,860 | 2,016 | 1,372 | 1,687 |
| Nevada | 349 | 444 | 611 | 665 | 611 | 536 |
| New Hampshire | 71 | 69 | 118 | 129 | 98 | 97 |
| New Jersey | 2,031 | 2,247 | 2,860 | 3,641 | 3,045 | 2,765 |
| New Mexico | 125 | 120 | 177 | 219 | 184 | 165 |
| New York | 1,368 | 998 | 1,680 | 1,733 | 1,747 | 1,505 |
| North Carolina | 1,693 | 1,526 | 1,836 | 1,982 | 1,866 | 1,781 |
| North Dakota | 860 | 771 | 1,244 | 1,705 | 1,715 | 1,259 |
| Ohio | 5,166 | 4,331 | 6,149 | 6,634 | 6,469 | 5,750 |
| Oklahoma | 937 | 651 | 1,341 | 829 | 587 | 869 |
| Oregon | 1,689 | 1,328 | 2,234 | 3,730 | 2,544 | 2,305 |
| Pennsylvania | 2,475 | 2,069 | 3,283 | 3,499 | 2,935 | 2,852 |
| Rhode Island | 47 | 45 | 58 | 60 | 39 | 50 |
| South Carolina | 1,594 | 1,245 | 1,706 | 2,066 | 1,870 | 1,696 |
| South Dakota | 309 | 376 | 598 | 831 | 812 | 585 |
| Tennessee | 6,550 | 6,093 | 6,871 | 6,342 | 7,985 | 6,768 |
| Texas | 20,916 | 16,450 | 24,248 | 28,470 | 31,915 | 24,400 |
| Utah | 463 | 449 | 885 | 945 | 675 | 683 |
| Vermont | 146 | 122 | 231 | 221 | 214 | 187 |
| Virginia | 526 | 402 | 580 | 692 | 621 | 564 |
| **Washington** | **1,955** | **1,711** | **3,124** | **3,984** | **2,718** | **2,698** |
| West Virginia | 363 | 255 | 451 | 571 | 601 | 448 |
| Wisconsin | 2,315 | 1,915 | 2,631 | 3,070 | 2,750 | 2,536 |
| Wyoming | 235 | 215 | 312 | 336 | 449 | 309 |
| 50 State Average | 3,571 | 2,968 | 3,729 | 4,205 | 4,184 | 3,732 |
| **Washington Rank** | **18** | **17** | **14** | **13** | **17** | **16** |

Source: United States Department of Transportation, Bureau of Transportation Statistics, 2023

# Chapter 2: Business Performance – Summary

- **Washington's rank is decreased from 20th to 31st best in the nation in *Business Performance* this year.**
- **The state's rank relative to other states improved in two indicators, worsened in three, and was unchanged in two. Three indicators were not updated[1].**
- **Business Performance has been broken out into two subcategories: Business Prosperity and Cost of Doing Business.**
- **In the subcategory *Business Prosperity*, Washington's rank improved in one indicator, worsened in two, and was unchanged in one. One indicator was not updated.**
- **In the subcategory *Cost of Doing Business*, one indicator improved, one indicator worsened, and was unchanged in one. Two indicators were not updated.**

## Business Prosperity

### Foreign Exports Inclusive and Exclusive of Transportation Equipment

*In 2023 Washington's foreign exports totalled 9.81 percent of personal income, ranking 12th in the nation*

In 2023, Washington's ranking in foreign exports as a percent of personal income decreased to 12th place from 10th the year before. Washington's foreign exports were 9.81 percent of personal income in 2023, 0.63 percentage points lower than the year before. In 2020, many states saw a drop in exports due to Covid-19 shutdowns, with the national average for foreign exports dropping to 3.48 from 4.28 percent of personal income. By 2022 exports as a percent of personal income exceeded pre-shutdown levels nationally. While Washington's export performance has also improved, it has yet to return to pre-shutdown levels. Washington is 10th in its five-year ranking with 9.99 percent, with Texas ranked 2nd and Louisiana ranked 1st.

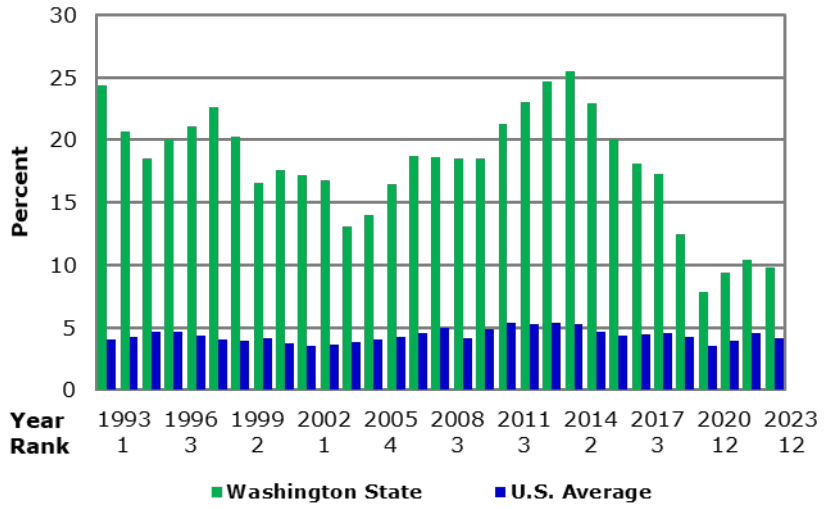
[1] The 2023 Economic Climate Study was compiled later in the year than usual. National data that are released late in the year and normally used in the next year's study were captured in the 2023 study. Those indicators are not updated for the 2024 study. Those are: value added per hour of labor in manufacturing and workers compensation premium costs.

Louisiana ranks high in this category due largely to its exports of petroleum products.

*Washington exports are below state average when excluding transportation*

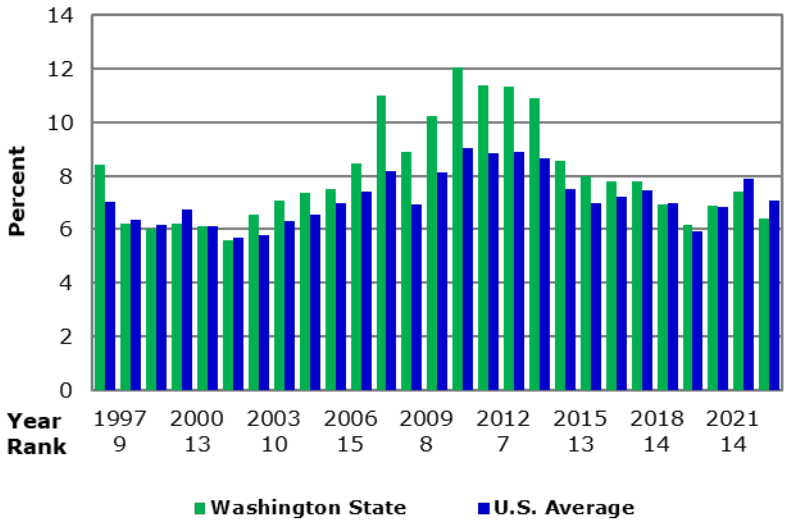
Washington's perennially strong performance in this category is due mainly to the presence of Boeing and PACCAR, two of the world's leading manufacturers of commercial aircraft and trucks, respectively. Exports of transportation equipment from these and other Washington manufacturers typically account for over half of Washington's exports. Excluding the exports of these products, Washington's exports were equivalent to 6.41 percent of personal income in 2023, below the 7.09 percent average for the U.S. The state's ranking remained at 14th. For the past five years, Washington's average rank has been 14th in the nation.

**Figure 2.1: Total Foreign Exports**




Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division, Bureau of Economic Analysis; data through 2023

**Figure 2.2: Foreign Exports Excluding Transportation Equipment**




Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division, Bureau of Economic Analysis; data through 2023

*Trade in services, which Washington does well in, are not included in this measure*

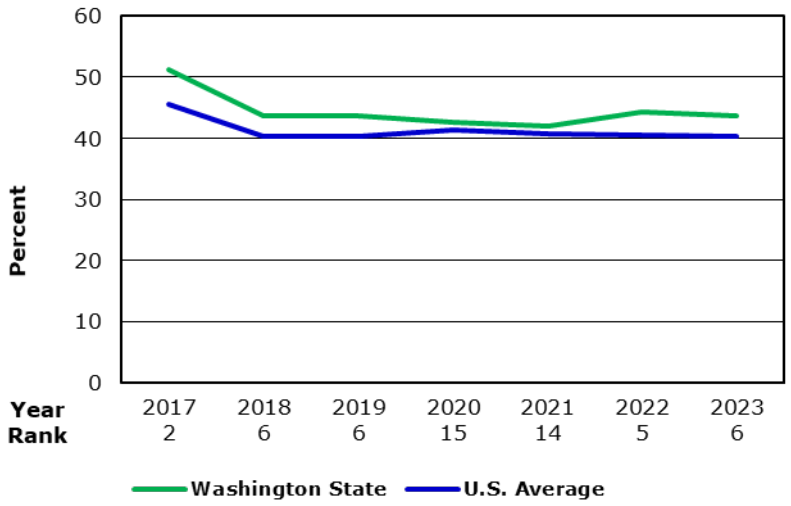
Trade data used for this indicator, obtained from the U.S. Bureau of the Census, only include trade in goods, ignoring trade in service exports, which are difficult to track and credit to specific states. Software, one of Washington's main exports, is classified as a service when it is not exported on physical media and is therefore not included in the Census measure. As software giant Microsoft contributes greatly to state personal income while most of its exports are not included in the trade data, the measure of Washington exports as a percent of personal income understates the contribution of trade to Washington's economy.

## High Wage Sectors' Share of Total Employment

*Sector-level wages are derived from data published by the BLS*

The U.S. Bureau of Labor Statistics (BLS) publishes wages by industry and employment by industry for each state and the nation. Those sectors with wages per full time equivalent (FTE) employee exceeding the national average FTE employee wages are designated as high wage industries.

**Figure 2.3: High Wage Sectors' Share of Total Employment**




Source: BLS, Washington State Office of the Economic and Revenue Forecast Council; data through 2023

*High wage jobs are jobs in sectors whose average FTE wages are above the national average*

In 2023, overall wages per employee in the United States was $72,608. This measure defines "high wage jobs" as those in sectors whose employee wages are higher than this overall average for all sectors. The high wage sectors are selected based on the data for the United States as a whole. The number of jobs in each state that are in the sectors categorized as high wage is divided by the total number of jobs to determine the high wage sectors' share of total employment. Annual growth in high wage sectors' share of total employment is calculated as the percent share of jobs that are high wage each year minus the percent share of the previous year

*Employment and wage data was previously published by the BEA*

The previous measures of high wage jobs utilized employment and wage data from the Bureau of Economic Analysis (BEA). The BEA has discontinued publication of employment by industry and state statistics. For that reason, we are unable to use BEA data for this calculation.

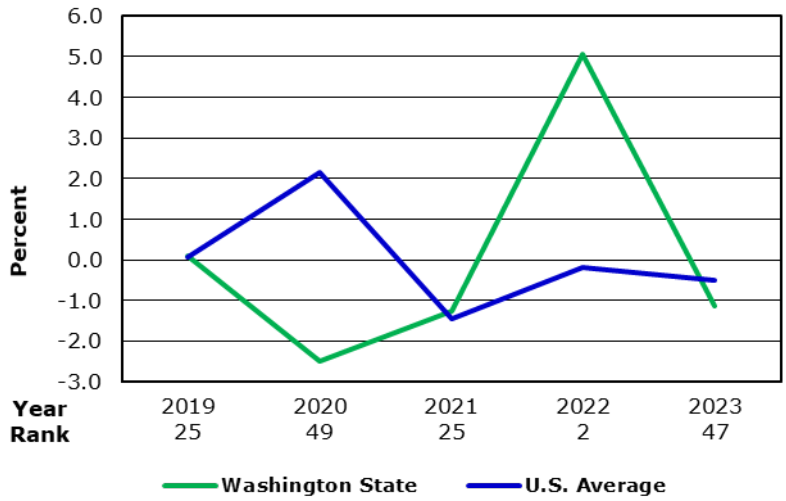
*Washington experienced a decline in high wage employment share over the last four years*

In 2020, Washington saw a decline in the share of high wage employment, undoubtedly related to dislocations due to the Covid-19 pandemic. Nationally, high wage sectors accounted for 40.4% of all employment in 2019 and has grown slightly to 40.6% in 2023. In Washington, the high wage employment share was very high in 2019, at 51.1%. The share has been falling the last few years and was at 42.1% in 2023. Post-pandemic related changes to the economy may explain this shift.

*Washington's high wage ratio ranked 6th highest in the nation in 2023*

Washington's share of high wage jobs has exceeded the national average for the last five years. Washington's rank has ranged from 2nd to 15th.

**Figure 2.4: Growth in High Wage Sectors' Share of Total Employment**




Source: BLS data through 2023

*Washington growth in its share of high-wage jobs ranked 47th in 2023*

Washington's rank in the growth of its share of jobs in high wage industries has fluctuated greatly over the years. Pandemic related impacts to the state's aerospace industry have had a major impact on changes in the share of high wage jobs. The state's ranking of the growth of its share of jobs in high wage has ranged between 49th in 2020 and 2nd in 2022. Washington's five-year average ranks 12th amongst the states.

## Value Added Per Hour of Labor in Manufacturing

*Value added is the difference between raw and final goods value*

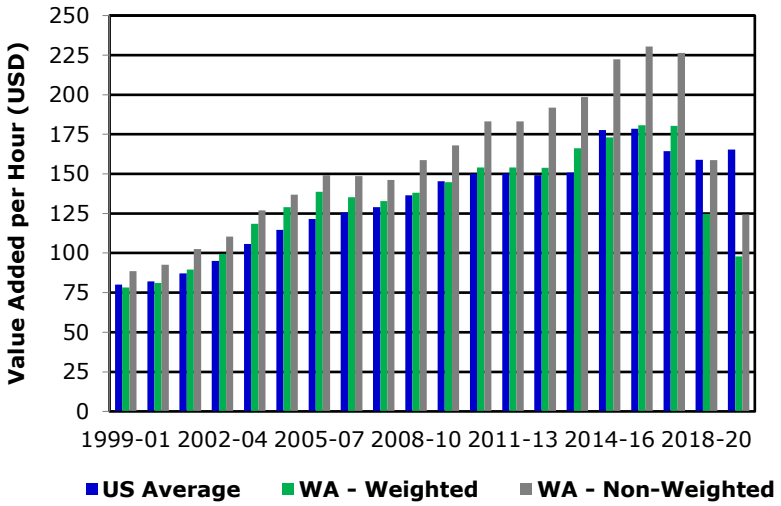
Value added is a measure of manufacturing activity derived by subtracting the value of raw materials from the value of finished, final goods. An industry's total value added represents the amount of revenue the industry has available to pay wages, rent, taxes, interest, profit, and all other business costs aside from raw materials.

*Data is presented in 3-year moving averages*

The data used to estimate Value Added per Hour of Labor in Manufacturing is from the Annual Survey of Manufactures (ASM), published by the Census Bureau. The ASM provides estimates of worker hours and value added for all manufacturing establishments with one or more paid employees. However, because the ASM is a sample survey, its estimates possess varying margins of error. To minimize the effects of these errors, the data in Table 2.5 are presented as three-year moving

averages. Updated data is not available currently because the ASM survey is being discontinued. This data collection is being transitioned to the Annual Integrated Economic Survey (AIES).

**Figure 2.5: Value Added Per Hour of Labor in Manufacturing**




Source: U.S. Department of Commerce, Census Bureau, Annual Survey of Manufactures; data through 2021

*The amount of value added differs greatly across industries*

The amount of value added per hour of labor varies greatly among different industries in manufacturing. Highly automated industries such as semiconductors have very high value added per hour since one person can operate a machine that puts out a large volume of high-value product, while less automated industries such as furniture manufacturing require more labor per dollar of added value. (Highly automated industries, however, also have much higher equipment costs, so high value added does not necessarily imply high profit.) Within a specific industry, interstate differences in value added per worker hour may be interpreted as differences in worker productivity between states.

*Non-weighted values are unadjusted for industry mix*

The differences in value-added across industries makes a state's average value added per worker-hour highly dependent upon its particular industry mix. The "Non-Weighted" values presented in Table 2.5 do not account for different industry concentrations among states. Thus, states with a large percentage of high value added industries, such as semiconductor manufacturing in Arizona or aerospace in Washington, tend to perform well in this measure. Washington ranked 4$^{th}$ in the 2016-18 period but has seen its ranking fall to 21$^{st}$ in the 2018-2020 period and 47$^{th}$ in the 2019-2021 period as the impacts of the pandemic negatively affected high value-added sectors, especially aerospace.

*Weighted value added figures assume each state has an identical mix of industries*

To minimize the effects of industry mix on estimates of state productivity, the "Weighted" values in Table 2.5 represent value added per worker hour as if each state had an identical mix of industries. In this case, each state's worker hours in all of the 21 major NAICS manufacturing groups were adjusted to be identical in proportion to the national average.

*The weighting system can be problematic*

This weighting method, however, is still susceptible to error for two main reasons. The first reason is that most states are either completely lacking in several industries or have only one representative of an industry, which makes the data unreportable by the Census due to disclosure laws (though the data are included in the totals). Alaska no longer reports statewide manufacturing data, so it is omitted. This omission is treated as an undifferentiated "remainder" industry that can skew a state's average greatly depending upon what the productivity of the hidden industry is and the proportion of total hours the remainder represents. The second reason is that there is still a large degree of productivity variation within major NAICS categories. For example, NAICS group 334 includes semiconductor manufacturing along with computer, electronic instrument, and other electronics manufacturing industries with much lower labor productivity than semiconductors. Each state is given the same number of hours in group 334, therefore, those states who have a large percentage of semiconductor worker hours in that group will still record higher-than-average productivity in that group. This may at least partially explain why Arizona still performs above average in the weighted results. Nevertheless, by accounting for most of the industry mix variation, the weighted results can still provide a general idea of where each state lies in the labor productivity spectrum.

*Washington has seen a sharp decline in rank for both the weighted and non-weighted categories*

Looking at the weighted measure, Washington's average value added per worker hour is lower due to the neutralization of its industry-mix advantage. Washington's weighted value added was higher than the U.S. average for the 2016-18 period but subsequently declined, likely for the same reason the unweighted measure declined – the negative impact of the pandemic on aerospace employment. Using the weighted measure, Washington ranked 9$^{th}$ in the 2016-2018 period but fell to 39$^{th}$ in 2018-2020 period and to 49$^{th}$ in the 2019-2021 period.

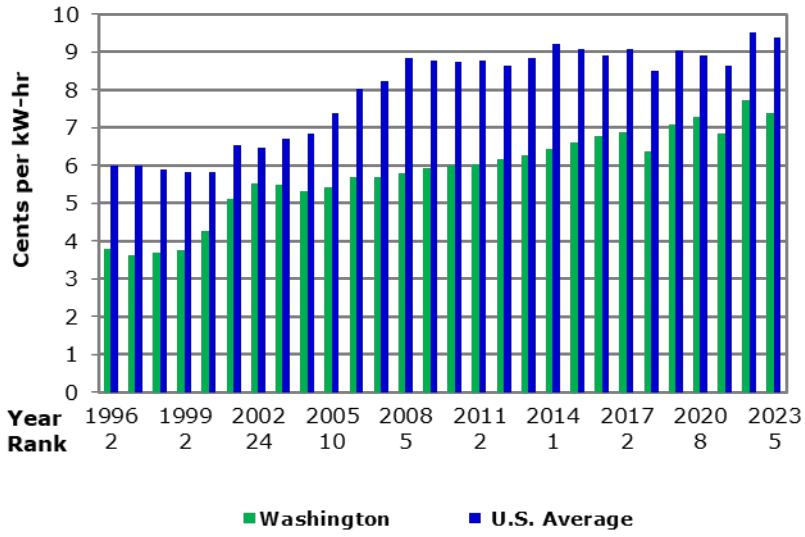
## Cost of Doing Business

### Electricity Prices

*Electrical power represents the main energy cost for most businesses*

Electrical power represents the main energy cost for most businesses, except for large industrial facilities relying extensively on fuel oil or natural gas. This indicator presents the average price of the commercial and industrial electricity purchases made annually in each state, expressed in cents per kilowatt-hour (kW-hr). To facilitate comparisons between states, each state is assumed to have had the same ratio of commercial to industrial sales as the U.S. in each year.

**Figure 2.6: Electricity Prices**




Source: U.S. Energy Information Administration (http://www.eia.doe.gov), data through 2023

*Washington ranked 5th in the nation for electricity prices in 2023*

Due to the state's abundant hydrological resources, Washington has long enjoyed some of the lowest electricity prices in the country. From 2009 through 2018, the state ranked either 1st or 2nd in the nation. Since 2019 however, Washington rank has started to decrease, dropping as low as 8th place in 2020. Washington's standing rebounded somewhat by 2023, improving to 5th in the nation. In 2023 the cost of electricity fell 0.36 from the prior year to 7.37 cents per kilowatt-hour. Washington's five-year average of 7.26 cents per kilowatt-hour ranks 6th best in the nation, while the U.S. five-year average is 9.10 cents.

## State and Local Tax Collections Per $1,000 Personal Income

*Taxes relative to personal income provides a good measure of tax burden*

The relative tax position of Washington is of considerable interest to taxpayers and government officials alike. The Census Bureau of the U.S. Department of Commerce annually collects data to compare tax burdens across states. Using this figure, tax burdens are then calculated using several different methods; this report compares tax collections per $1,000 of personal income. This measure is computed by dividing total state and local taxes by total state personal income. It is important to note a gap in the data in 2001 and 2003. The 2001 recession limited data collection during those periods.

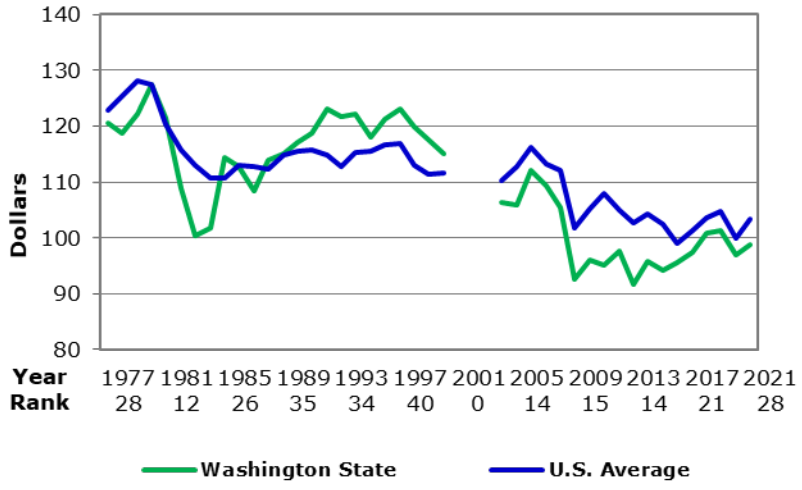
*WA's tax burden has been below the national average since 2000*

Washington state tax collections per $1,000 of personal income increased in 2021 to $98.67 from $96.90 the year before. With this increase, Washington's ranking increased from 23rd in the nation to 20th. Washington's 2021 tax collections were below the U.S. average of $103.46. Washington's rank on average from 2017 to 2021 was 24th, at $99.03 per $1,000 personal income.

*The WA DOR estimates that households pay 48 percent of the tax burden*

The "initial incidence" of a tax refers to the party from whom the tax is collected. Initial incidence does not always indicate who bears the tax burden, because taxes initially paid by business may sometimes be recovered in the form of higher prices or lower wages, shifting the tax burden to consumers or workers. For Fiscal Year 2022, the Washington Department of Revenue estimated that households pay 48 percent of total state and local taxes collected, while businesses, tourists, and the government pay the rest.

**Figure 2.7: State and Local Tax Collections Per $1,000 Personal Income**




Source: Washington State Department of Revenue, Data through 2021; data was not collected in 2001 and 2003

## Unemployment Insurance Costs

*UI benefits provide security to the jobless*

Unemployment insurance programs are designed to provide economic security against the effects of unemployment by providing temporary compensation to workers who are out of work at no fault of their own.

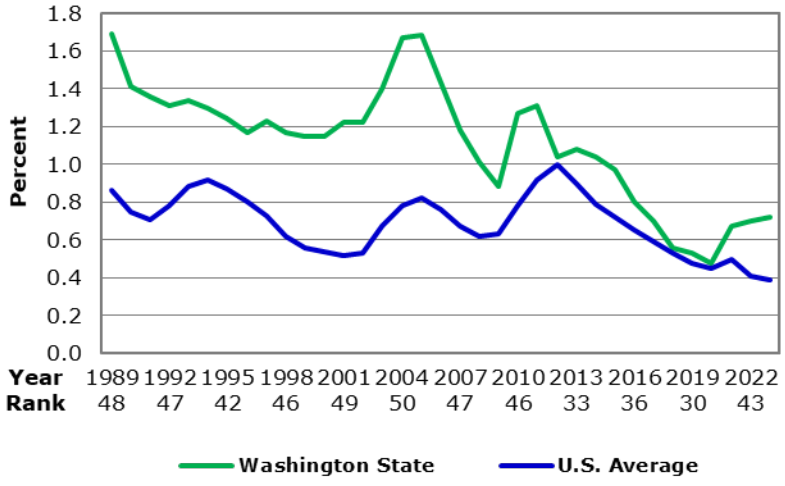
*UI is a combined state-federal system*

Unemployment insurance is provided by a combined Federal-State system, primarily financed through a payroll tax on employers. Under this system, the Federal Government sets minimum standards of eligibility and benefits that the states are free to exceed. As a result, there is a wide degree of variation in the eligibility for and benefits paid under the unemployment insurance programs of different states, as well as variation in the number of employers that pay into the programs. This measure indicates the amount that each state collects for unemployment insurance benefits as a percent of the total wages of employees covered by the plans.

*In 2023, Washington's unemployment insurance costs ranked 43rd in the nation*

Washington has historically had one of the higher-cost unemployment insurance programs in the country. After trending down throughout the 2010s, Washington's average unemployment insurance cost as a percent of the total wages of covered employees fell to a low of 0.48 in 2020. Since then, it has increased to 0.72 in 2023. The state's rank in 2023 remained unchanged from the previous year at 43rd. Washington's five-year average of 0.62 percent ranked 34th in the nation.

**Figure 2.8: Unemployment Insurance Costs**




Source: U.S. Department of Labor, Employment, and Training Administration; data through 2023

## Workers' Compensation Premium Costs

*Index is updated every two years*

The Oregon Department of Consumer & Business Services produces the workers' compensation premium index every two years to make a state-by-state comparison of workers' compensation premiums. The premium index is calculated by selecting Oregon's fifty largest business classes as defined by the workers' compensation costs and computing what those compensation claims would cost in other states.

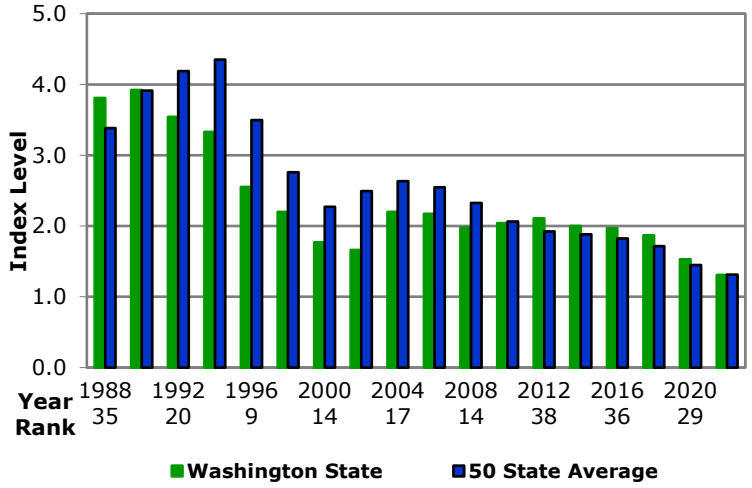
*WA's rank was 27th in 2022, an increase of 2 spots*

In 2022, Washington's premium costs for the industries examined by the study were $1.31 per $100 of payroll, a decrease of $0.22 per $100 of payroll compared to 2020. The state's rank improved from 29th to 27th this past year. Washington's average rate of $1.74 per $100 of payroll for the period from 2014 through 2022 ranked 31st among the states and was slightly above the national average of $1.64. Updated data was not available at the time of publication. We expect an update for the 2025 publication.

*WA's system is atypical of other states'*

Washington's compensation system is atypical of other states' systems as employees pay a portion of their industrial premiums into a state fund and the Department of Labor and Industries acts as both the insurer and administrator of the workers' compensation system.

**Figure 2.9: Workers' Compensation Premium Costs**




Source: Oregon Workers' Compensation Premium Rate Ranking; data through 2022

Table 2.1
Business Performance
**Foreign Exports**
(Percent of State Personal Income)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 9.66 | 7.53 | 8.28 | 9.96 | 10.10 | 9.11 |
| Alaska | 11.21 | 10.16 | 12.42 | 11.07 | 10.02 | 10.98 |
| Arizona | 7.40 | 5.40 | 5.88 | 6.32 | 6.30 | 6.26 |
| Arkansas | 4.74 | 3.65 | 3.57 | 3.69 | 3.87 | 3.91 |
| California | 6.85 | 5.63 | 5.80 | 6.19 | 5.71 | 6.04 |
| Colorado | 2.30 | 2.18 | 2.18 | 2.33 | 2.24 | 2.25 |
| Connecticut | 6.07 | 4.97 | 4.98 | 5.10 | 5.01 | 5.22 |
| Delaware | 8.35 | 7.07 | 7.99 | 8.13 | 7.32 | 7.77 |
| Florida | 4.89 | 3.75 | 4.05 | 4.70 | 4.47 | 4.37 |
| Georgia | 7.99 | 6.99 | 7.00 | 7.67 | 7.72 | 7.48 |
| Hawaii | 0.59 | 0.40 | 0.36 | 0.49 | 0.61 | 0.49 |
| Idaho | 4.14 | 3.71 | 3.64 | 3.72 | 3.45 | 3.73 |
| Illinois | 8.06 | 6.76 | 7.75 | 9.27 | 8.86 | 8.14 |
| Indiana | 12.08 | 10.14 | 10.67 | 11.41 | 13.17 | 11.49 |
| Iowa | 8.36 | 7.53 | 8.49 | 9.37 | 9.20 | 8.59 |
| Kansas | 7.64 | 6.44 | 7.29 | 7.90 | 7.52 | 7.36 |
| Kentucky | 16.89 | 11.61 | 12.83 | 14.91 | 16.37 | 14.52 |
| Louisiana | 29.13 | 25.07 | 30.34 | 48.77 | 38.05 | 34.27 |
| Maine | 4.02 | 3.18 | 3.85 | 4.12 | 3.37 | 3.71 |
| Maryland | 3.43 | 3.17 | 3.84 | 4.12 | 4.04 | 3.72 |
| Massachusetts | 5.15 | 4.60 | 5.55 | 5.53 | 5.74 | 5.31 |
| Michigan | 11.44 | 8.44 | 10.00 | 10.97 | 10.87 | 10.34 |
| Minnesota | 6.74 | 5.77 | 6.14 | 6.90 | 6.05 | 6.32 |
| Mississippi | 10.18 | 8.18 | 9.32 | 11.69 | 10.06 | 9.89 |
| Missouri | 4.54 | 4.01 | 4.53 | 4.66 | 4.71 | 4.49 |
| Montana | 3.18 | 2.52 | 3.06 | 2.87 | 3.09 | 2.94 |
| Nebraska | 7.14 | 6.28 | 6.47 | 7.04 | 5.95 | 6.57 |
| Nevada | 5.71 | 6.08 | 5.49 | 5.13 | 4.58 | 5.40 |
| New Hampshire | 6.64 | 5.84 | 6.36 | 7.12 | 7.03 | 6.60 |
| New Jersey | 5.71 | 5.78 | 7.00 | 6.47 | 5.77 | 6.15 |
| New Mexico | 5.13 | 3.73 | 5.06 | 4.36 | 4.31 | 4.52 |
| New York | 5.63 | 4.67 | 5.98 | 7.36 | 6.42 | 6.01 |
| North Carolina | 6.84 | 5.26 | 5.59 | 6.47 | 6.44 | 6.12 |
| North Dakota | 15.86 | 10.86 | 10.10 | 9.57 | 15.27 | 12.33 |
| Ohio | 9.14 | 7.25 | 7.58 | 8.38 | 7.89 | 8.05 |
| Oklahoma | 3.24 | 2.71 | 2.84 | 3.01 | 2.75 | 2.91 |
| Oregon | 11.76 | 11.08 | 11.44 | 13.01 | 10.02 | 11.46 |
| Pennsylvania | 5.86 | 4.78 | 5.37 | 5.96 | 6.02 | 5.60 |
| Rhode Island | 4.44 | 3.64 | 4.22 | 4.16 | 4.13 | 4.12 |
| South Carolina | 17.69 | 12.10 | 10.80 | 11.12 | 12.38 | 12.82 |
| South Dakota | 2.82 | 2.63 | 3.17 | 3.80 | 3.71 | 3.23 |
| Tennessee | 9.27 | 7.84 | 8.76 | 9.31 | 8.79 | 8.79 |
| Texas | 21.38 | 17.22 | 21.12 | 25.86 | 22.36 | 21.59 |
| Utah | 11.16 | 10.41 | 9.51 | 8.25 | 8.09 | 9.48 |
| Vermont | 8.16 | 6.33 | 6.53 | 6.14 | 4.63 | 6.36 |
| Virginia | 3.55 | 3.09 | 3.46 | 4.15 | 3.54 | 3.56 |
| **Washington** | **12.46** | **7.87** | **9.35** | **10.44** | **9.81** | **9.99** |
| West Virginia | 7.75 | 5.65 | 7.24 | 8.79 | 6.09 | 7.11 |
| Wisconsin | 7.04 | 6.27 | 6.99 | 7.57 | 7.42 | 7.06 |
| Wyoming | 3.84 | 3.08 | 3.50 | 4.36 | 4.73 | 3.90 |
| 50 State Average | 4.28 | 3.48 | 3.94 | 4.54 | 4.19 | 4.09 |
| **Washington's Rank** | **6** | **12** | **11** | **10** | **12** | **10** |

Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division, Bureau of Economic Analysis, 2023

Table 2.2
Business Performance
**Foreign Exports (Excluding Transportation Equipment)**
(Percent of State Personal Income)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 4.88 | 3.85 | 4.13 | 5.38 | 4.62 | 4.57 |
| Alaska | 11.08 | 9.94 | 11.72 | 10.84 | 9.57 | 10.63 |
| Arizona | 6.06 | 4.62 | 4.82 | 5.14 | 4.81 | 5.09 |
| Arkansas | 3.30 | 2.69 | 2.73 | 2.88 | 2.89 | 2.90 |
| California | 5.95 | 5.00 | 5.26 | 5.62 | 5.13 | 5.39 |
| Colorado | 2.17 | 2.02 | 2.07 | 2.18 | 2.10 | 2.11 |
| Connecticut | 3.47 | 3.21 | 3.22 | 3.36 | 3.31 | 3.31 |
| Delaware | 7.31 | 6.53 | 7.13 | 6.87 | 6.22 | 6.81 |
| Florida | 3.92 | 3.08 | 3.35 | 3.85 | 3.60 | 3.56 |
| Georgia | 5.75 | 4.79 | 5.06 | 5.85 | 5.80 | 5.45 |
| Hawaii | 0.51 | 0.31 | 0.30 | 0.35 | 0.37 | 0.37 |
| Idaho | 3.95 | 3.57 | 3.52 | 3.58 | 3.31 | 3.59 |
| Illinois | 7.15 | 6.09 | 6.97 | 8.21 | 7.97 | 7.28 |
| Indiana | 8.21 | 7.52 | 8.05 | 8.48 | 10.03 | 8.46 |
| Iowa | 7.77 | 7.13 | 8.05 | 8.84 | 8.55 | 8.07 |
| Kansas | 5.85 | 5.15 | 5.90 | 6.21 | 5.75 | 5.77 |
| Kentucky | 7.04 | 6.20 | 7.53 | 8.28 | 8.53 | 7.51 |
| Louisiana | 28.85 | 24.90 | 30.17 | 48.65 | 37.94 | 34.10 |
| Maine | 3.50 | 2.73 | 3.34 | 3.48 | 2.82 | 3.17 |
| Maryland | 2.71 | 2.49 | 2.98 | 3.42 | 3.01 | 2.92 |
| Massachusetts | 4.95 | 4.45 | 5.37 | 5.35 | 5.59 | 5.14 |
| Michigan | 5.73 | 4.62 | 5.84 | 5.88 | 5.71 | 5.56 |
| Minnesota | 6.18 | 5.33 | 5.67 | 6.37 | 5.41 | 5.79 |
| Mississippi | 8.96 | 7.60 | 8.69 | 10.80 | 9.20 | 9.05 |
| Missouri | 3.43 | 3.13 | 3.58 | 3.63 | 3.54 | 3.46 |
| Montana | 2.91 | 2.37 | 2.92 | 2.66 | 2.84 | 2.74 |
| Nebraska | 6.83 | 6.03 | 6.22 | 6.66 | 5.66 | 6.28 |
| Nevada | 5.55 | 6.00 | 5.36 | 5.03 | 4.46 | 5.28 |
| New Hampshire | 4.95 | 4.66 | 5.04 | 5.45 | 5.34 | 5.09 |
| New Jersey | 5.37 | 5.49 | 6.75 | 6.25 | 5.55 | 5.88 |
| New Mexico | 4.95 | 3.58 | 4.50 | 3.96 | 3.79 | 4.16 |
| New York | 5.37 | 4.47 | 5.78 | 7.17 | 6.16 | 5.79 |
| North Carolina | 5.79 | 4.81 | 5.23 | 6.00 | 5.87 | 5.54 |
| North Dakota | 15.58 | 10.67 | 9.90 | 9.34 | 14.99 | 12.09 |
| Ohio | 6.27 | 5.33 | 5.55 | 6.15 | 5.55 | 5.77 |
| Oklahoma | 2.66 | 2.25 | 2.34 | 2.54 | 2.14 | 2.39 |
| Oregon | 10.85 | 10.42 | 10.60 | 11.39 | 7.38 | 10.13 |
| Pennsylvania | 5.37 | 4.50 | 4.99 | 5.60 | 5.60 | 5.21 |
| Rhode Island | 4.27 | 3.53 | 4.12 | 4.08 | 4.04 | 4.01 |
| South Carolina | 6.93 | 5.74 | 5.72 | 6.06 | 5.93 | 6.07 |
| South Dakota | 2.57 | 2.44 | 2.99 | 3.58 | 3.49 | 3.01 |
| Tennessee | 7.49 | 6.63 | 7.68 | 8.08 | 7.38 | 7.45 |
| Texas | 19.53 | 15.97 | 19.79 | 24.46 | 20.97 | 20.14 |
| Utah | 10.48 | 9.93 | 9.07 | 7.77 | 7.57 | 8.97 |
| Vermont | 7.89 | 6.16 | 6.31 | 5.91 | 4.26 | 6.11 |
| Virginia | 3.13 | 2.80 | 3.19 | 3.88 | 3.18 | 3.24 |
| **Washington** | **6.92** | **6.16** | **6.89** | **7.41** | **6.41** | **6.76** |
| West Virginia | 6.56 | 4.57 | 6.18 | 7.68 | 4.57 | 5.91 |
| Wisconsin | 6.32 | 5.65 | 6.36 | 6.79 | 6.52 | 6.33 |
| Wyoming | 3.80 | 3.06 | 3.46 | 4.27 | 4.65 | 3.85 |
| U.S. Average | 6.99 | 5.93 | 6.81 | 7.88 | 7.09 | 6.94 |
| **Washington's Rank** | **16** | **13** | **14** | **14** | **14** | **14** |

Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division, Bureau of Economic Analysis 2023

Trade data prepared by the United States Census Bureau

Table 2.3
Business Performance
**High Wage Sectors' Share of Total Employment**
(Percent)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 43.9 | 44.0 | 43.4 | 43.8 | 43.9 | 43.8 |
| Alaska | 32.9 | 29.3 | 33.6 | 32.8 | 32.9 | 32.3 |
| Arizona | 38.1 | 38.4 | 38.1 | 38.1 | 38.1 | 38.2 |
| Arkansas | 41.3 | 41.3 | 40.9 | 41.3 | 41.3 | 41.2 |
| California | 38.9 | 41.0 | 40.3 | 39.6 | 38.9 | 39.8 |
| Colorado | 44.0 | 44.9 | 44.3 | 44.4 | 44.0 | 44.3 |
| Connecticut | 39.0 | 40.8 | 39.6 | 39.3 | 39.0 | 39.5 |
| Delaware | 38.9 | 40.4 | 39.5 | 39.1 | 38.9 | 39.4 |
| Florida | 36.9 | 37.1 | 36.8 | 36.8 | 36.9 | 36.9 |
| Georgia | 41.0 | 42.0 | 41.4 | 41.1 | 41.0 | 41.3 |
| Hawaii | 27.6 | 30.4 | 26.6 | 28.0 | 27.6 | 28.0 |
| Idaho | 40.2 | 39.4 | 39.4 | 40.1 | 40.2 | 39.9 |
| Illinois | 41.1 | 42.4 | 41.7 | 41.3 | 41.1 | 41.5 |
| Indiana | 43.2 | 43.5 | 43.4 | 43.5 | 43.2 | 43.4 |
| Iowa | 45.3 | 45.7 | 45.1 | 45.2 | 45.3 | 45.3 |
| Kansas | 43.1 | 43.6 | 42.8 | 42.8 | 43.1 | 43.1 |
| Kentucky | 39.8 | 40.3 | 39.7 | 39.7 | 39.8 | 39.9 |
| Louisiana | 37.6 | 38.1 | 37.7 | 37.6 | 37.6 | 37.7 |
| Maine | 36.6 | 36.4 | 36.6 | 36.6 | 36.6 | 36.6 |
| Maryland | 38.4 | 39.7 | 38.9 | 38.7 | 38.4 | 38.8 |
| Massachusetts | 40.8 | 42.2 | 41.6 | 41.2 | 40.8 | 41.3 |
| Michigan | 43.5 | 44.4 | 44.2 | 43.8 | 43.5 | 43.9 |
| Minnesota | 43.2 | 44.4 | 43.8 | 43.5 | 43.2 | 43.6 |
| Mississippi | 37.0 | 37.4 | 37.1 | 37.2 | 37.0 | 37.2 |
| Missouri | 41.6 | 42.3 | 41.9 | 41.9 | 41.6 | 41.8 |
| Montana | 34.8 | 34.9 | 34.5 | 34.9 | 34.8 | 34.8 |
| Nebraska | 42.9 | 43.7 | 43.0 | 43.1 | 42.9 | 43.1 |
| Nevada | 32.0 | 32.8 | 31.8 | 31.7 | 32.0 | 32.0 |
| New Hampshire | 39.9 | 40.1 | 39.9 | 40.3 | 39.9 | 40.0 |
| New Jersey | 38.5 | 40.2 | 39.2 | 38.7 | 38.5 | 39.0 |
| New Mexico | 36.4 | 37.4 | 36.3 | 36.1 | 36.4 | 36.5 |
| New York | 37.5 | 39.7 | 38.8 | 38.1 | 37.5 | 38.3 |
| North Carolina | 42.6 | 42.9 | 42.4 | 42.6 | 42.6 | 42.6 |
| North Dakota | 43.0 | 43.0 | 42.1 | 42.4 | 43.0 | 42.7 |
| Ohio | 42.1 | 42.5 | 42.1 | 42.2 | 42.1 | 42.2 |
| Oklahoma | 39.3 | 40.1 | 38.9 | 39.0 | 39.3 | 39.3 |
| Oregon | 39.6 | 40.6 | 40.2 | 40.0 | 39.6 | 40.0 |
| Pennsylvania | 38.9 | 39.8 | 39.4 | 39.2 | 38.9 | 39.2 |
| Rhode Island | 37.5 | 38.7 | 38.2 | 38.0 | 37.5 | 38.0 |
| South Carolina | 40.8 | 40.9 | 40.4 | 40.8 | 40.8 | 40.7 |
| South Dakota | 41.0 | 41.8 | 41.2 | 41.2 | 41.0 | 41.3 |
| Tennessee | 39.9 | 39.4 | 39.6 | 39.8 | 39.9 | 39.7 |
| Texas | 43.0 | 43.1 | 42.3 | 42.8 | 43.0 | 42.8 |
| Utah | 45.6 | 45.6 | 45.5 | 45.9 | 45.6 | 45.6 |
| Vermont | 35.9 | 36.8 | 36.4 | 36.3 | 35.9 | 36.3 |
| Virginia | 42.5 | 43.7 | 43.0 | 42.7 | 42.5 | 42.9 |
| **Washington** | **43.7** | **42.6** | **42.1** | **44.2** | **43.7** | **43.3** |
| West Virginia | 35.4 | 35.2 | 34.8 | 35.2 | 35.4 | 35.2 |
| Wisconsin | 45.0 | 45.9 | 45.4 | 45.2 | 45.0 | 45.3 |
| Wyoming | 40.8 | 41.3 | 39.7 | 40.3 | 40.8 | 40.6 |
| U.S. Average | 40.4 | 41.3 | 40.7 | 40.6 | 40.4 | 40.7 |
| **Washington's Rank** | **6** | **15** | **14** | **5** | **6** | **9** |

Source: Washington State Office of the Forecast Council based on employment and wage data provided by the U.S.Bureau of Labor Statistics, 2023

Table 2.4
Business Performance
**Change in High Wage Sectors' Share of Total Employment**
(Percent)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 0.00 | 0.26 | -1.32 | 0.77 | 0.31 | 0.00 |
| Alaska | -0.06 | -10.94 | 14.44 | -2.35 | 0.48 | 0.31 |
| Arizona | 0.29 | 0.77 | -0.98 | 0.20 | 0.02 | 0.06 |
| Arkansas | 0.04 | 0.02 | -0.87 | 0.82 | 0.03 | 0.01 |
| California | -0.02 | 5.48 | -1.91 | -1.54 | -1.84 | 0.03 |
| Colorado | 0.24 | 1.99 | -1.35 | 0.26 | -0.87 | 0.05 |
| Connecticut | -0.17 | 4.75 | -2.93 | -0.87 | -0.79 | 0.00 |
| Delaware | 0.01 | 4.02 | -2.25 | -1.12 | -0.54 | 0.02 |
| Florida | 0.22 | 0.49 | -0.85 | 0.20 | 0.17 | 0.05 |
| Georgia | 0.16 | 2.32 | -1.26 | -0.86 | -0.17 | 0.04 |
| Hawaii | 0.20 | 9.92 | -12.46 | 5.50 | -1.50 | 0.33 |
| Idaho | -0.08 | -1.89 | -0.02 | 1.90 | 0.04 | -0.01 |
| Illinois | 0.04 | 3.08 | -1.57 | -0.97 | -0.48 | 0.02 |
| Indiana | 0.00 | 0.64 | -0.31 | 0.31 | -0.64 | 0.00 |
| Iowa | 0.32 | 1.00 | -1.28 | 0.13 | 0.17 | 0.07 |
| Kansas | 0.26 | 1.28 | -1.95 | 0.03 | 0.67 | 0.06 |
| Kentucky | -0.11 | 1.17 | -1.46 | 0.03 | 0.28 | -0.02 |
| Louisiana | -0.27 | 1.17 | -1.04 | -0.25 | 0.12 | -0.05 |
| Maine | 0.24 | -0.55 | 0.61 | 0.03 | -0.09 | 0.05 |
| Maryland | -0.05 | 3.38 | -2.07 | -0.41 | -0.82 | 0.01 |
| Massachusetts | 0.14 | 3.46 | -1.61 | -1.01 | -0.76 | 0.04 |
| Michigan | 0.18 | 1.92 | -0.30 | -0.98 | -0.61 | 0.04 |
| Minnesota | 0.30 | 2.84 | -1.47 | -0.51 | -0.80 | 0.07 |
| Mississippi | 0.05 | 1.08 | -0.82 | 0.29 | -0.55 | 0.01 |
| Missouri | 0.14 | 1.64 | -0.95 | 0.08 | -0.75 | 0.03 |
| Montana | 0.26 | 0.18 | -0.95 | 1.10 | -0.32 | 0.05 |
| Nebraska | 0.18 | 1.93 | -1.61 | 0.28 | -0.56 | 0.04 |
| Nevada | 0.37 | 2.57 | -3.08 | -0.17 | 0.77 | 0.09 |
| New Hampshire | 0.05 | 0.61 | -0.70 | 1.17 | -1.06 | 0.01 |
| New Jersey | -0.14 | 4.48 | -2.52 | -1.16 | -0.66 | 0.00 |
| New Mexico | 0.28 | 2.53 | -2.90 | -0.52 | 0.97 | 0.07 |
| New York | -0.21 | 5.67 | -2.26 | -1.57 | -1.63 | 0.00 |
| North Carolina | 0.07 | 0.72 | -1.00 | 0.43 | -0.13 | 0.02 |
| North Dakota | -0.05 | -0.13 | -2.05 | 0.81 | 1.41 | 0.00 |
| Ohio | 0.09 | 0.82 | -0.94 | 0.22 | -0.10 | 0.02 |
| Oklahoma | 0.07 | 1.94 | -2.76 | 0.23 | 0.65 | 0.03 |
| Oregon | 0.20 | 2.50 | -1.03 | -0.57 | -0.87 | 0.05 |
| Pennsylvania | 0.00 | 2.26 | -0.97 | -0.46 | -0.80 | 0.01 |
| Rhode Island | 0.23 | 3.05 | -1.21 | -0.66 | -1.12 | 0.06 |
| South Carolina | 0.21 | 0.37 | -1.34 | 1.10 | -0.11 | 0.05 |
| South Dakota | 0.13 | 1.98 | -1.45 | -0.16 | -0.35 | 0.03 |
| Tennessee | 0.10 | -1.07 | 0.34 | 0.58 | 0.16 | 0.02 |
| Texas | 0.22 | 0.14 | -1.77 | 1.14 | 0.52 | 0.05 |
| Utah | 0.21 | 0.09 | -0.31 | 0.94 | -0.72 | 0.04 |
| Vermont | 0.35 | 2.52 | -1.16 | -0.23 | -1.09 | 0.08 |
| Virginia | 0.07 | 2.84 | -1.62 | -0.71 | -0.46 | 0.02 |
| **Washington** | **0.11** | **-2.49** | **-1.26** | **5.06** | **-1.14** | **0.06** |
| West Virginia | -0.29 | -0.58 | -1.17 | 1.12 | 0.65 | -0.05 |
| Wisconsin | -0.08 | 1.87 | -1.13 | -0.42 | -0.30 | -0.01 |
| Wyoming | 0.59 | 1.20 | -3.72 | 1.48 | 1.13 | 0.14 |
| U.S. Average | 0.06 | 2.16 | -1.44 | -0.18 | -0.51 | 0.02 |
| **Washington's Rank** | **25** | **49** | **25** | **2** | **47** | **12** |

Source: Washington State Office of the Forecast Council based on employment and wage data provided by the U.S.Bureau of Labor Statistics, 2023

Table 2.5
Business Performance
**Value Added per Hour of Labor in Manufacturing**
(Three Year Average, Dollars)

| | Weighted 2016-2018 | Weighted 2018-2020 | Weighted 2019-2021 | Unweighted 2016-2018 | Unweighted 2018-2020 | Unweighted 2019-2021 |
|---|---|---|---|---|---|---|
| Alabama | 151.11 | 155.63 | 166.16 | 130.69 | 134.30 | 143.38 |
| Alaska | 68.61 | na | na | 137.05 | na | na |
| Arizona | 173.30 | 190.53 | 196.25 | 165.77 | 185.21 | 190.78 |
| Arkansas | 121.26 | 111.49 | 120.36 | 114.33 | 113.97 | 123.04 |
| California | 168.62 | 190.93 | 196.50 | 177.86 | 199.64 | 205.46 |
| Colorado | 152.41 | 146.62 | 148.48 | 148.45 | 151.93 | 153.87 |
| Connecticut | 187.20 | 216.85 | 233.77 | 152.86 | 197.86 | 213.30 |
| Delaware | 301.87 | 190.11 | 217.39 | 205.60 | 178.12 | 203.67 |
| Florida | 140.79 | 144.90 | 149.68 | 141.73 | 148.54 | 153.43 |
| Georgia | 174.30 | 148.51 | 158.48 | 147.66 | 139.02 | 148.36 |
| Hawaii | 198.88 | 176.94 | 186.84 | 187.18 | 152.26 | 160.78 |
| Idaho | 115.47 | 101.75 | 111.62 | 113.80 | 114.02 | 125.08 |
| Illinois | 151.67 | 144.89 | 152.52 | 152.48 | 146.01 | 153.70 |
| Indiana | 180.22 | 147.19 | 156.74 | 153.37 | 142.85 | 152.12 |
| Iowa | 197.13 | 161.72 | 171.03 | 168.84 | 161.25 | 170.52 |
| Kansas | 174.99 | 127.62 | 130.12 | 171.76 | 139.98 | 142.72 |
| Kentucky | 155.97 | 123.90 | 132.30 | 159.83 | 133.96 | 143.05 |
| Louisiana | 200.43 | 126.07 | 137.79 | 411.06 | 294.36 | 321.72 |
| Maine | 109.54 | 119.48 | 126.62 | 110.07 | 124.01 | 131.42 |
| Maryland | 162.45 | 184.50 | 189.55 | 176.50 | 193.35 | 198.64 |
| Massachusetts | 137.13 | 163.95 | 170.81 | 158.66 | 182.95 | 190.61 |
| Michigan | 158.03 | 117.09 | 122.17 | 144.45 | 124.99 | 130.41 |
| Minnesota | 150.85 | 155.98 | 158.61 | 145.97 | 144.64 | 147.08 |
| Mississippi | 164.89 | 140.22 | 147.83 | 127.97 | 132.65 | 139.85 |
| Missouri | 151.49 | 142.13 | 149.12 | 156.73 | 149.94 | 157.31 |
| Montana | 154.81 | 116.60 | 115.23 | 209.09 | 183.20 | 181.05 |
| Nebraska | 159.80 | 119.55 | 133.17 | 159.47 | 138.91 | 154.74 |
| Nevada | 149.91 | 156.89 | 163.58 | 139.53 | 151.50 | 157.96 |
| New Hampshire | 133.46 | 179.46 | 186.65 | 119.44 | 131.50 | 136.77 |
| New Jersey | 145.77 | 170.03 | 172.10 | 160.65 | 176.47 | 178.62 |
| New Mexico | 192.71 | 171.66 | 174.10 | 195.24 | 170.96 | 173.39 |
| New York | 139.74 | 161.64 | 177.90 | 144.32 | 162.36 | 178.69 |
| North Carolina | 165.34 | 175.35 | 179.46 | 164.20 | 170.02 | 174.00 |
| North Dakota | 260.96 | 193.76 | 211.66 | 170.98 | 164.53 | 179.74 |
| Ohio | 163.09 | 140.10 | 146.99 | 154.74 | 138.39 | 145.20 |
| Oklahoma | 153.90 | 134.49 | 141.28 | 153.12 | 144.60 | 151.90 |
| Oregon | 130.21 | 134.37 | 142.57 | 133.77 | 140.44 | 149.00 |
| Pennsylvania | 156.41 | 154.30 | 160.44 | 151.04 | 149.99 | 155.96 |
| Rhode Island | 127.35 | 141.64 | 144.86 | 126.43 | 136.38 | 139.47 |
| South Carolina | 174.84 | 171.89 | 180.25 | 126.26 | 164.94 | 172.96 |
| South Dakota | 123.92 | 106.03 | 110.21 | 127.10 | 105.83 | 110.00 |
| Tennessee | 147.41 | 150.47 | 157.65 | 156.33 | 151.44 | 158.67 |
| Texas | 203.33 | 194.34 | 200.71 | 243.70 | 218.34 | 225.50 |
| Utah | 157.05 | 155.27 | 158.97 | 157.67 | 158.87 | 162.66 |
| Vermont | 119.49 | 132.55 | 125.03 | 115.16 | 136.10 | 128.38 |
| Virginia | 139.75 | 165.70 | 171.47 | 156.29 | 176.57 | 182.72 |
| **Washington** | **180.30** | **124.76** | **97.80** | **226.38** | **158.72** | **124.43** |
| West Virginia | 131.51 | 123.75 | 127.75 | 177.34 | 167.84 | 173.27 |
| Wisconsin | 140.75 | 141.99 | 147.62 | 128.96 | 126.66 | 131.69 |
| Wyoming | 125.65 | 122.15 | 126.44 | 258.21 | 245.35 | 253.97 |
| U.S. | 164.32 | 158.98 | 165.38 | 164.32 | 158.98 | 165.38 |
| **WA Rank** | **9** | **39** | **49** | **4** | **21** | **47** |

Source: U.S. Department of Commerce, Census Bureau, Annual Survey of Manufactures (data), Economic and Revenue Forecast Council (calculations), 2021

Table 2.6
Business Performance
**Electricity Prices**
(Weighted Avg of Industrial and Comm Rates, Cents per Kilowatt Hour)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 9.16 | 9.13 | 8.43 | 9.51 | 9.22 | 9.09 |
| Alaska | 18.59 | 18.00 | 17.48 | 18.44 | 18.21 | 18.14 |
| Arizona | 8.57 | 8.39 | 7.90 | 8.83 | 8.49 | 8.43 |
| Arkansas | 7.66 | 7.45 | 7.47 | 8.29 | 8.13 | 7.80 |
| California | 15.28 | 16.14 | 16.38 | 17.33 | 17.78 | 16.58 |
| Colorado | 9.14 | 9.09 | 8.92 | 9.64 | 9.52 | 9.26 |
| Connecticut | 15.35 | 15.08 | 14.53 | 13.57 | 13.40 | 14.38 |
| Delaware | 8.75 | 8.12 | 7.89 | 8.68 | 9.03 | 8.50 |
| Florida | 8.58 | 8.12 | 8.16 | 8.72 | 9.15 | 8.55 |
| Georgia | 8.39 | 8.24 | 7.85 | 8.87 | 8.86 | 8.44 |
| Hawaii | 27.76 | 26.72 | 27.21 | 29.29 | 32.65 | 28.73 |
| Idaho | 7.00 | 7.10 | 6.94 | 7.26 | 7.19 | 7.10 |
| Illinois | 7.99 | 8.10 | 7.97 | 8.66 | 9.00 | 8.34 |
| Indiana | 9.47 | 9.40 | 8.96 | 9.81 | 9.70 | 9.47 |
| Iowa | 8.55 | 8.45 | 8.04 | 8.67 | 8.29 | 8.40 |
| Kansas* | 9.04 | 9.08 | 8.68 | 9.19 | 9.13 | 9.02 |
| Kentucky | 8.21 | 8.19 | 7.65 | 8.72 | 8.42 | 8.24 |
| Louisiana | 7.35 | 7.16 | 7.18 | 8.53 | 8.63 | 7.77 |
| Maine | 11.30 | 10.98 | 10.60 | 11.48 | 12.03 | 11.28 |
| Maryland | 9.05 | 8.90 | 8.86 | 9.50 | 10.23 | 9.31 |
| Massachusetts | 15.93 | 15.38 | 15.58 | 16.22 | 16.66 | 15.95 |
| Michigan | 9.56 | 9.80 | 9.42 | 10.35 | 9.75 | 9.78 |
| Minnesota | 9.15 | 9.25 | 9.20 | 9.98 | 9.99 | 9.51 |
| Mississippi | 8.54 | 8.35 | 7.86 | 8.75 | 8.41 | 8.38 |
| Missouri | 8.24 | 8.04 | 7.84 | 8.30 | 8.14 | 8.11 |
| Montana | 8.31 | 8.23 | 7.48 | 8.72 | 8.12 | 8.17 |
| Nebraska | 8.34 | 8.25 | 7.99 | 8.15 | 7.92 | 8.13 |
| Nevada | 7.23 | 6.66 | 6.54 | 7.03 | 7.76 | 7.05 |
| New Hampshire | 14.73 | 14.43 | 14.41 | 15.15 | 15.88 | 14.92 |
| New Jersey | 11.35 | 11.35 | 11.16 | 11.85 | 11.99 | 11.54 |
| New Mexico | 7.96 | 8.27 | 7.82 | 8.84 | 8.24 | 8.23 |
| New York | 10.48 | 10.71 | 10.06 | 11.95 | 11.35 | 10.91 |
| North Carolina | 7.75 | 7.67 | 7.25 | 7.50 | 7.24 | 7.48 |
| North Dakota | 8.56 | 8.27 | 8.08 | 8.41 | 7.83 | 8.23 |
| Ohio | 8.38 | 8.09 | 7.70 | 8.40 | 8.18 | 8.15 |
| Oklahoma | 6.75 | 6.45 | 6.37 | 7.35 | 7.55 | 6.89 |
| Oregon | 7.58 | 7.59 | 7.16 | 7.78 | 7.40 | 7.50 |
| Pennsylvania | 7.73 | 7.50 | 7.34 | 7.91 | 8.31 | 7.76 |
| Rhode Island | 16.04 | 15.86 | 15.65 | 15.74 | 16.13 | 15.89 |
| South Carolina | 8.68 | 8.48 | 7.99 | 8.72 | 8.10 | 8.40 |
| South Dakota | 8.84 | 8.86 | 8.80 | 9.25 | 8.95 | 8.94 |
| Tennessee | 8.54 | 8.33 | 7.71 | 8.60 | 8.26 | 8.29 |
| Texas | 6.95 | 6.52 | 6.64 | 7.62 | 7.36 | 7.02 |
| Utah | 7.29 | 7.26 | 6.86 | 7.31 | 7.12 | 7.17 |
| Vermont | 13.89 | 14.17 | 13.52 | 14.39 | 13.88 | 13.97 |
| Virginia | 7.62 | 7.05 | 6.93 | 7.24 | 7.83 | 7.33 |
| **Washington** | **7.07** | **7.28** | **6.82** | **7.73** | **7.37** | **7.26** |
| West Virginia | 7.83 | 7.99 | 7.56 | 8.05 | 7.91 | 7.87 |
| Wisconsin | 9.27 | 9.27 | 8.86 | 9.54 | 9.42 | 9.27 |
| Wyoming | 8.41 | 8.47 | 8.08 | 8.47 | 7.98 | 8.28 |
| U.S. Average | 9.04 | 8.92 | 8.62 | 9.51 | 9.39 | 9.10 |
| **Washington's Rank** | **4** | **8** | **4** | **8** | **5** | **6** |

Source: U.S. Energy Information Administration, 2023

Table 2.7
Business Performance
**State and Local Tax Collections Per $1,000 Personal Income**
(Dollars)

| (Fiscal Years) | 2017 | 2018 | 2019 | 2020 | 2021 | 2017-21 |
|---|---|---|---|---|---|---|
| Alabama | 85.44 | 86.18 | 87.07 | 87.14 | 92.68 | 87.70 |
| Alaska | 72.60 | 83.41 | 84.84 | 73.52 | 67.79 | 76.43 |
| Arizona | 91.35 | 91.24 | 94.49 | 87.25 | 90.06 | 90.88 |
| Arkansas | 99.54 | 99.55 | 98.75 | 98.08 | 103.49 | 99.88 |
| California | 107.30 | 112.82 | 119.03 | 107.71 | 130.36 | 115.44 |
| Colorado | 94.75 | 95.61 | 97.44 | 92.01 | 99.20 | 95.80 |
| Connecticut | 110.49 | 118.35 | 112.09 | 111.64 | 122.66 | 115.05 |
| Delaware | 100.95 | 109.74 | 112.14 | 109.22 | 121.96 | 110.80 |
| Florida | 81.84 | 82.69 | 78.77 | 74.93 | 78.31 | 79.31 |
| Georgia | 88.30 | 87.68 | 88.81 | 83.67 | 89.42 | 87.58 |
| Hawaii | 129.47 | 136.86 | 145.86 | 136.27 | 135.63 | 136.82 |
| Idaho | 93.32 | 93.08 | 91.26 | 90.66 | 94.97 | 92.66 |
| Illinois | 109.64 | 109.12 | 109.26 | 108.96 | 118.41 | 111.08 |
| Indiana | 90.65 | 90.93 | 92.80 | 96.90 | 104.04 | 95.06 |
| Iowa | 107.67 | 108.50 | 109.03 | 108.05 | 112.97 | 109.24 |
| Kansas | 97.92 | 106.17 | 104.99 | 98.60 | 107.99 | 103.13 |
| Kentucky | 98.25 | 97.34 | 99.69 | 98.78 | 99.38 | 98.69 |
| Louisiana | 100.52 | 99.41 | 97.33 | 92.25 | 95.73 | 97.05 |
| Maine | 118.86 | 119.38 | 128.98 | 127.00 | 126.31 | 124.11 |
| Maryland | 106.44 | 107.64 | 110.25 | 109.44 | 111.74 | 109.10 |
| Massachusetts | 100.48 | 102.71 | 104.08 | 99.30 | 104.66 | 102.24 |
| Michigan | 94.02 | 96.39 | 93.53 | 86.65 | 94.05 | 92.93 |
| Minnesota | 117.36 | 117.61 | 118.84 | 111.55 | 121.72 | 117.42 |
| Mississippi | 102.58 | 102.84 | 104.25 | 100.23 | 104.16 | 102.81 |
| Missouri | 86.52 | 87.78 | 86.50 | 81.10 | 89.25 | 86.23 |
| Montana | 89.67 | 93.00 | 93.16 | 89.79 | 96.98 | 92.52 |
| Nebraska | 103.76 | 106.45 | 106.33 | 104.67 | 112.04 | 106.65 |
| Nevada | 101.45 | 100.51 | 99.73 | 92.60 | 94.35 | 97.73 |
| New Hampshire | 88.47 | 90.04 | 84.88 | 79.60 | 80.19 | 84.64 |
| New Jersey | 113.11 | 114.24 | 118.28 | 110.97 | 117.00 | 114.72 |
| New Mexico | 103.92 | 104.04 | 122.94 | 115.19 | 110.90 | 111.40 |
| New York | 147.58 | 148.90 | 150.92 | 147.14 | 146.01 | 148.11 |
| North Carolina | 93.60 | 92.69 | 93.93 | 87.07 | 95.47 | 92.55 |
| North Dakota | 129.02 | 144.93 | 152.34 | 132.54 | 114.55 | 134.67 |
| Ohio | 102.68 | 99.22 | 98.08 | 97.08 | 100.75 | 99.56 |
| Oklahoma | 83.85 | 88.11 | 91.36 | 86.02 | 89.46 | 87.76 |
| Oregon | 102.58 | 102.64 | 107.44 | 99.28 | 115.08 | 105.41 |
| Pennsylvania | 100.58 | 102.65 | 102.67 | 97.50 | 103.84 | 101.45 |
| Rhode Island | 109.82 | 110.24 | 112.84 | 102.82 | 109.90 | 109.12 |
| South Carolina | 87.98 | 88.84 | 89.97 | 87.83 | 91.57 | 88.66 |
| South Dakota | 88.47 | 87.48 | 82.43 | 81.18 | 79.02 | 83.72 |
| Tennessee | 75.42 | 73.32 | 73.06 | 76.00 | 82.52 | 76.06 |
| Texas | 92.18 | 93.69 | 92.06 | 88.83 | 89.17 | 91.19 |
| Utah | 97.88 | 95.46 | 106.05 | 93.34 | 111.06 | 100.76 |
| Vermont | 120.99 | 122.82 | 125.24 | 116.47 | 130.67 | 123.24 |
| Virginia | 89.66 | 90.17 | 94.74 | 95.13 | 100.89 | 94.12 |
| **Washington** | **97.44** | **100.90** | **101.25** | **96.90** | **98.67** | **99.03** |
| West Virginia | 105.79 | 106.24 | 107.97 | 99.01 | 103.86 | 104.57 |
| Wisconsin | 103.10 | 102.14 | 102.92 | 99.82 | 102.65 | 102.12 |
| Wyoming | 88.68 | 89.39 | 92.82 | 83.76 | 79.64 | 86.86 |
| U.S. Average | 101.29 | 103.61 | 104.83 | 100.01 | 103.46 | 102.64 |
| **Washington's Rank** | **21** | **27** | **26** | **23** | **20** | **24** |

Source: Washington State Department of Revenue, Comparative State and Local Taxes (www.dor.wa.gov) 2021

Table 2.8
Business Performance
**Unemployment Insurance Costs**
(Contributions collected as percent of total wages of covered employees)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 0.27 | 0.64 | 0.39 | 0.24 | 0.11 | 0.33 |
| Alaska | 0.86 | 0.94 | 1.15 | 1.37 | 1.13 | 1.09 |
| Arizona | 0.32 | 0.30 | 0.36 | 0.21 | 0.20 | 0.28 |
| Arkansas | 0.40 | 0.16 | 0.24 | 0.22 | 0.17 | 0.24 |
| California | 0.55 | 0.48 | 0.42 | 0.37 | 0.33 | 0.43 |
| Colorado | 0.40 | 0.36 | 0.41 | 0.47 | 0.47 | 0.42 |
| Connecticut | 0.76 | 0.71 | 0.66 | 0.64 | 0.46 | 0.65 |
| Delaware | 0.42 | 1.43 | 0.72 | 0.50 | 0.18 | 0.65 |
| Florida | 0.11 | 0.11 | 0.33 | 0.12 | 0.12 | 0.16 |
| Georgia | 0.28 | 0.21 | 0.22 | 0.23 | 0.20 | 0.23 |
| Hawaii | 0.75 | 0.85 | 0.94 | 0.90 | 1.84 | 1.06 |
| Idaho | 0.48 | 1.17 | 0.40 | 0.40 | 0.41 | 0.57 |
| Illinois | 0.54 | 0.47 | 0.48 | 0.52 | 0.57 | 0.52 |
| Indiana | 0.37 | 0.45 | 0.33 | 0.29 | 0.27 | 0.34 |
| Iowa | 0.69 | 0.67 | 0.65 | 0.67 | 0.51 | 0.64 |
| Kansas | 0.45 | 0.42 | 0.49 | 0.44 | 0.33 | 0.43 |
| Kentucky | 0.48 | 0.46 | 1.44 | 0.39 | 0.20 | 0.59 |
| Louisiana | 0.27 | 0.23 | 0.25 | 0.24 | 0.22 | 0.24 |
| Maine | 0.55 | 0.52 | 0.56 | 0.58 | 0.49 | 0.54 |
| Maryland | 0.36 | 0.33 | 1.24 | 0.37 | 0.33 | 0.53 |
| Massachusetts | 0.80 | 0.70 | 0.86 | 0.52 | 0.31 | 0.64 |
| Michigan | 0.59 | 0.57 | 0.54 | 0.54 | 0.51 | 0.55 |
| Minnesota | 0.54 | 0.52 | 0.51 | 0.47 | 0.45 | 0.50 |
| Mississippi | 0.26 | 1.34 | 0.25 | 0.15 | 0.14 | 0.43 |
| Missouri | 0.31 | 0.25 | 0.51 | 0.26 | 0.25 | 0.32 |
| Montana | 0.66 | 0.60 | 0.65 | 0.76 | 0.74 | 0.68 |
| Nebraska | 0.21 | 0.24 | 0.17 | 0.19 | 0.16 | 0.19 |
| Nevada | 1.10 | 0.99 | 0.90 | 0.97 | 1.00 | 0.99 |
| New Hampshire | 0.11 | 0.13 | 0.36 | 0.36 | 0.19 | 0.23 |
| New Jersey | 0.91 | 0.91 | 0.91 | 0.84 | 0.91 | 0.90 |
| New Mexico | 0.43 | 0.39 | 0.38 | 0.38 | 0.44 | 0.40 |
| New York | 0.39 | 0.39 | 0.54 | 0.47 | 0.47 | 0.45 |
| North Carolina | 0.27 | 0.16 | 0.28 | 0.27 | 0.28 | 0.25 |
| North Dakota | 0.60 | 2.81 | 0.37 | 0.38 | 0.38 | 0.91 |
| Ohio | 0.49 | 0.43 | 0.46 | 0.44 | 0.42 | 0.45 |
| Oklahoma | 0.36 | 0.48 | 0.55 | 0.41 | 0.39 | 0.44 |
| Oregon | 1.11 | 1.00 | 1.01 | 1.19 | 1.06 | 1.07 |
| Pennsylvania | 1.09 | 0.85 | 0.73 | 0.62 | 0.62 | 0.78 |
| Rhode Island | 1.08 | 0.93 | 1.11 | 0.99 | 0.98 | 1.02 |
| South Carolina | 0.35 | 0.28 | 0.27 | 0.30 | 0.22 | 0.28 |
| South Dakota | 0.22 | 0.51 | 0.47 | 0.24 | 0.22 | 0.33 |
| Tennessee | 0.20 | 0.17 | 0.17 | 0.15 | 0.15 | 0.17 |
| Texas | 0.37 | 0.31 | 0.36 | 0.34 | 0.26 | 0.33 |
| Utah | 0.25 | 0.23 | 0.27 | 0.38 | 0.36 | 0.30 |
| Vermont | 0.98 | 0.82 | 0.53 | 0.49 | 0.51 | 0.67 |
| Virginia | 0.20 | 0.27 | 0.19 | 0.17 | 0.09 | 0.18 |
| **Washington** | **0.53** | **0.48** | **0.67** | **0.70** | **0.72** | **0.62** |
| West Virginia | 0.87 | 0.78 | 1.57 | 0.58 | 0.52 | 0.86 |
| Wisconsin | 0.49 | 0.44 | 0.34 | 0.33 | 0.40 | 0.40 |
| Wyoming | 0.72 | 0.79 | 1.85 | 0.47 | 0.46 | 0.86 |
| U.S. Average | 0.48 | 0.45 | 0.50 | 0.41 | 0.39 | 0.45 |
| **Washington's Rank** | **30** | **25** | **37** | **43** | **43** | **34** |

Source: U.S. Department of Labor, Employment, and Training Administration, 2023

Table 2.9
Business Performance
**Workers' Compensation Premium Costs**
(Dollar amount per $100 of payroll)

| | 2014 | 2016 | 2018 | 2020 | 2022 | 2014-22 |
|---|---|---|---|---|---|---|
| Alabama | 1.81 | 1.85 | 1.65 | 1.33 | 1.38 | 1.60 |
| Alaska | 2.68 | 2.74 | 2.51 | 1.86 | 1.37 | 2.23 |
| Arizona | 1.60 | 1.50 | 1.30 | 1.05 | 0.87 | 1.26 |
| Arkansas | 1.08 | 1.06 | 0.90 | 0.72 | 0.65 | 0.88 |
| California | 3.48 | 3.24 | 2.87 | 2.16 | 2.26 | 2.80 |
| Colorado | 1.50 | 1.56 | 1.43 | 1.25 | 0.93 | 1.33 |
| Connecticut | 2.87 | 2.74 | 2.20 | 1.99 | 1.64 | 2.29 |
| Delaware | 2.31 | 2.32 | 2.50 | 1.97 | 1.34 | 2.09 |
| Florida | 1.82 | 1.66 | 1.81 | 1.41 | 1.26 | 1.59 |
| Georgia | 1.75 | 1.80 | 2.27 | 1.64 | 1.15 | 1.72 |
| Hawaii | 1.85 | 1.96 | 2.01 | 2.08 | 2.27 | 2.03 |
| Idaho | 2.01 | 1.79 | 1.81 | 1.56 | 1.43 | 1.72 |
| Illinois | 2.35 | 2.23 | 1.80 | 1.46 | 1.39 | 1.85 |
| Indiana | 1.06 | 1.05 | 0.87 | 0.77 | 0.77 | 0.90 |
| Iowa | 1.88 | 1.86 | 1.64 | 1.54 | 1.52 | 1.69 |
| Kansas | 1.55 | 1.41 | 1.15 | 1.12 | 1.02 | 1.25 |
| Kentucky | 1.51 | 1.52 | 1.51 | 1.13 | 0.86 | 1.31 |
| Louisiana | 2.23 | 2.11 | 2.05 | 1.95 | 2.13 | 2.09 |
| Maine | 2.15 | 2.02 | 1.84 | 1.62 | 1.67 | 1.86 |
| Maryland | 1.64 | 1.50 | 1.33 | 1.14 | 1.04 | 1.33 |
| Massachusetts | 1.17 | 1.29 | 1.37 | 1.17 | 1.05 | 1.21 |
| Michigan | 1.68 | 1.57 | 1.38 | 1.14 | 1.00 | 1.35 |
| Minnesota | 1.99 | 1.91 | 1.67 | 1.61 | 1.55 | 1.75 |
| Mississippi | 1.59 | 1.70 | 1.54 | 1.20 | 0.98 | 1.40 |
| Missouri | 1.98 | 1.92 | 1.68 | 1.65 | 1.54 | 1.75 |
| Montana | 2.21 | 2.10 | 2.01 | 1.69 | 1.46 | 1.89 |
| Nebraska | 1.78 | 1.67 | 1.70 | 1.44 | 1.25 | 1.57 |
| Nevada | 1.26 | 1.31 | 1.18 | 1.07 | 1.00 | 1.16 |
| New Hampshire | 2.18 | 1.96 | 1.70 | 1.37 | 1.39 | 1.72 |
| New Jersey | 2.82 | 2.92 | 2.84 | 2.52 | 2.44 | 2.71 |
| New Mexico | 1.99 | 1.92 | 1.50 | 1.34 | 1.27 | 1.60 |
| New York | 2.75 | 2.83 | 3.08 | 2.23 | 2.15 | 2.61 |
| North Carolina | 1.85 | 1.91 | 1.84 | 1.31 | 1.16 | 1.61 |
| North Dakota | 0.88 | 0.89 | 0.82 | 0.67 | 0.58 | 0.77 |
| Ohio | 1.74 | 1.45 | 1.40 | 1.11 | 0.83 | 1.31 |
| Oklahoma | 2.55 | 2.23 | 1.71 | 1.66 | 1.41 | 1.91 |
| Oregon | 1.37 | 1.28 | 1.15 | 1.00 | 0.93 | 1.15 |
| Pennsylvania | 2.00 | 1.84 | 1.85 | 1.55 | 1.27 | 1.70 |
| Rhode Island | 1.99 | 2.20 | 2.19 | 1.93 | 1.62 | 1.99 |
| South Carolina | 2.00 | 1.94 | 1.95 | 1.56 | 1.35 | 1.76 |
| South Dakota | 1.86 | 1.67 | 1.73 | 1.48 | 1.30 | 1.61 |
| Tennessee | 1.95 | 1.68 | 1.52 | 1.09 | 1.03 | 1.45 |
| Texas | 1.61 | 1.45 | 1.21 | 0.98 | 0.88 | 1.23 |
| Utah | 1.31 | 1.27 | 1.06 | 0.85 | 0.86 | 1.07 |
| Vermont | 2.33 | 2.02 | 2.09 | 2.21 | 1.98 | 2.13 |
| Virginia | 1.17 | 1.24 | 1.28 | 1.28 | 1.01 | 1.20 |
| **Washington** | **2.00** | **1.97** | **1.87** | **1.53** | **1.31** | **1.74** |
| West Virginia | 1.37 | 1.22 | 1.01 | 0.79 | 0.63 | 1.00 |
| Wisconsin | 1.92 | 2.06 | 2.02 | 1.74 | 1.67 | 1.88 |
| Wyoming | 1.76 | 1.87 | 1.87 | 1.44 | 1.86 | 1.76 |
| 50 State Average* | 1.88 | 1.82 | 1.71 | 1.45 | 1.31 | 1.64 |
| **Washington's Rank** | **34** | **36** | **35** | **29** | **27** | **31** |

Source: Oregon Workers' Compensation Premium Rate Rankings, 2022
Research and Analysis Section of the Oregon Department of Consumer and Business Services.
*Unweighted average of state values

# Chapter 3: Economic Growth and Competitiveness – Summary

- **Washington's rank improved from 21st to 16th in the nation in *Economic Growth and Competitiveness*.**
- **The state's rank improved in three categories, worsened in four and remained unchanged in three. One category was not updated[1].**

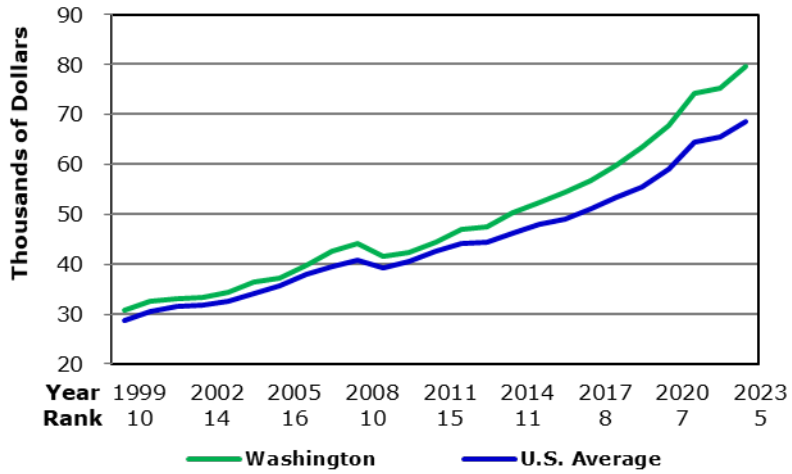
## Per Capita Personal Income

*Washington is 5th in the nation for per capita personal income*

Personal income, as defined by the Bureau of Economic Analysis, is the sum of earnings, dividends, interest, rent, and transfer payments. The per capita personal income indicator is calculated by dividing the total personal income of a state by its population. In 2023, Washington's per capita personal income was $79,659, well above the national average $68,531.

[1] The 2023 Economic Climate Study was compiled later in the year than usual. National data that are released late in the year and normally used in the next year's study were captured in the 2023 study. Those indicators are not updated for the 2024 study. The median household indicator was not updated.

**Figure 3.1: Per Capita Personal Income**




Source: Bureau of Economic Analysis, U.S. Department of Commerce; data through 2023

Washington's five-year average is $72,052, which is also higher than the U.S. average of $62,626. Washington's ranking in 2023 improved to 5th in the nation. Washington has been in the top 17 since the start of our collected data in 1929.

*Most of Washington's personal income derives from earnings*

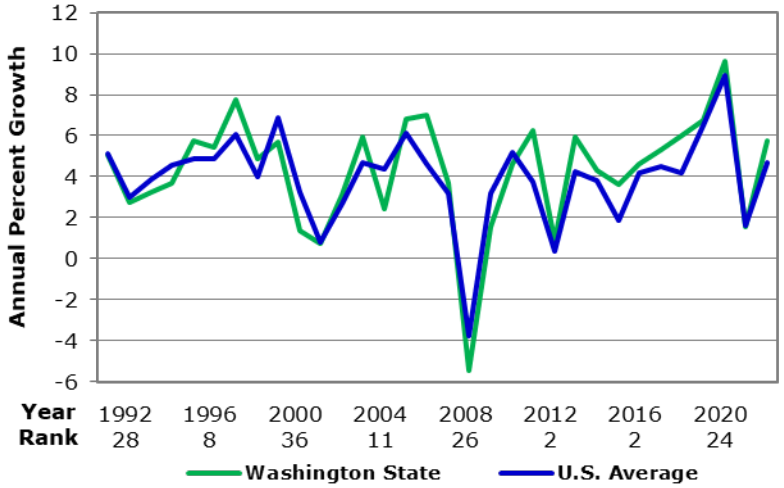
Most of Washington's personal income derives from earnings, which consists mainly of wages and salaries but also includes proprietor's income and other labor income. In 2023, 64.8 percent of total personal income of Washington residents was from net earnings by place of residence at $403.6 billion. Income from transfer payments totaled $89.2 billion. Income from dividends, interest, and rent was $129.6 billion, representing 20.8 percent of total personal income.

## Per Capita Personal Income Growth Rate

*WA per capita personal income grew by 5.7 percent in 2023, with a rank of 3rd*

The per capita personal income growth rate describes how quickly personal income is growing for a given population, and this growth rate is affected by the growth rate of the components of total personal income and the growth rate of the population. Washington's per capita personal income growth rate was 5.7 percent in 2023, up from 1.6 percent in 2022. Washington's rank improved to 3rd in the nation. Washington's rank has fluctuated drastically over the years, and even was ranked 50th in 2001. From 2019-2023, Washington's average ranking was 8th in the nation.

**Figure 3.2: Per Capita Personal Income Growth Rate**




Source: Bureau of Economic Analysis, U.S. Department of Commerce; data through 2023

## Regional Price Parities – Relative Value of $100

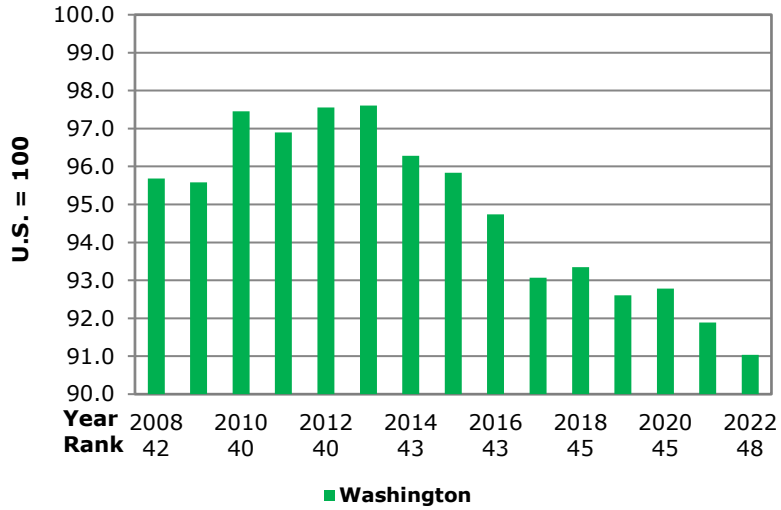
*RPPs measure geographic differences in price levels*

Regional Price Parities (RPPs), published by the Bureau of Economic Analysis, measure geographic differences in the price levels of goods and services. RPPs are weighted averages. To simplify comparisons, this indicator uses the United States as a base of 100. We then compare states in terms of relative value of $100. For example, if a state's value is 95, $100 only buys $95 worth of goods and services in that state compared to the nation. In other words, prices in that state are on average about five percent higher than the U.S. average (5.3 percent to be more exact). States with a lower relative RPP value have higher price levels.

*Washington ranked 48th in 2022, down from 46th in 2021*

In 2022, the relative value of $100 in Washington was $91.03. Washington ranked 48th in the nation for regional price parities, down from 46th in 2021. The state has historically ranked in the bottom 10 states for the category. Washington's five-year average is $92.33, ranking 46th in the U.S.

**Figure 3.3: Washington Regional Price Parity**




Source: Bureau of Economic Analysis, U.S. Department of Commerce, data through 2022

## Total Employment Growth Rate

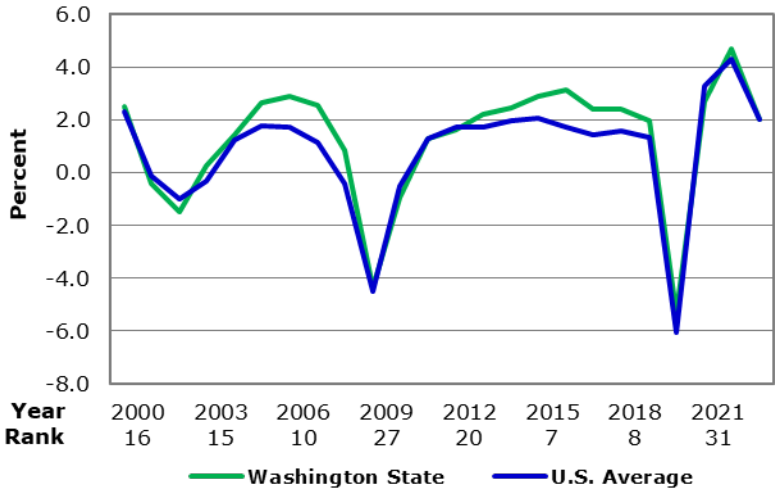
*Washington emerged from the Great Recession with strong job growth*

Large employment losses were suffered during the Great Recession. From peak to trough, employment in Washington fell 5.6 percent from 2008 to 2010. This is slightly better than the national growth rate during the same period, which was -5.7 percent. Employment growth in Washington accelerated as it emerged from the recession and eclipsed the national average in 2013 and remained above it until 2019. Washington employment growth was strong during this period, as it ranked in the top ten from 2015-2019. That run of job growth, however, came screeching to a halt in 2020.

*In 2023 Washington's ranking for employment growth rate fell to 24th in the nation.*

Due to the pandemic and subsequent measures to address it, employment growth fell both nationally and in Washington in 2020. In 2021, pandemic measures were eased and both national and Washington employment growth rebounded to slightly above pre-pandemic levels. In 2023, Washington employment grew by 2.0%, ranking 24th in the nation. Over the past 5 years, Washington's average employment growth rate was 1.2 percent, ranking 14th highest in the nation.

**Figure 3.4: Total Employment Growth Rate**




Source: U.S. Bureau of Labor Statistics; data through 2023

## Real Median Household Income

*Median income measures avoid bias due to extremely high or low incomes*

A state's median household income is the level of income (before taxes) at which exactly half of that state's households earn more than that amount, and half earn less. While it is related to average or per capita household income, an increase in average household income does not necessarily mean that median household income will increase and vice versa. Unlike average income, median income measures are not biased by the income levels of the highest-income or lowest-income households. Typically, the average or per capita household income of a state is higher than the median.

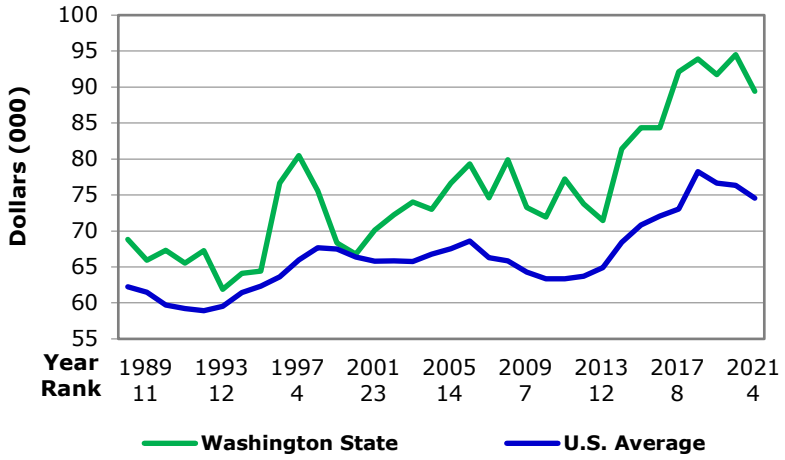
*The standard error for individual states trends higher than the national average in household income measures*

Annual median household income estimates for states are produced by the U.S. Census Bureau. The data presented here are in current dollars. These estimates are derived from the Annual Social and Economic Supplements to the annual Current Population Survey. As this survey's primary purpose is to arrive at national income and demographic numbers, estimates for individual states have substantial margins of error. The standard error for Washington's 2022 median household income estimate is plus or minus $2,633 compared to $588 for the United States.

*In 2022, the state's ranking in median income dropped to 10th place, its lowest point in the last 5 years*

Real median household income decreased to $89,430 in 2022 from $94,510 the year before. Although the national average household income also fell in 2022 to $74,580, Washington's rank dropped to 10th in the nation, its lowest ranking in the past 5 years. Washington has always been above the U.S. median. The five-year average of the annual median income for Washington is $92,342, compared to the five-year U.S. average of $75,770. Washington's five-year ranking is 7th in the nation.

**Figure 3.5: Real Median Household Income**



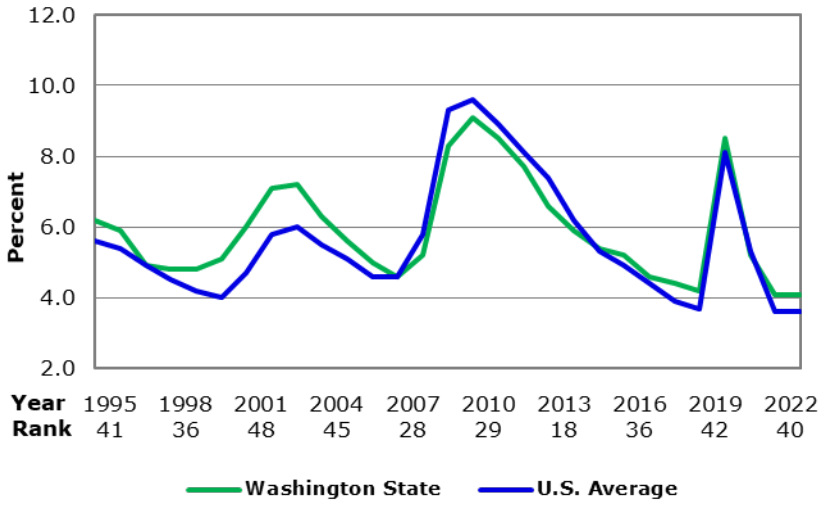

Source: U.S. Department of Commerce, Bureau of the Census; data through 2022

## Unemployment Rate

*Washington's unemployment rate held steady at 4.1 percent in 2023*

Washington's unemployment rate has decreased from a recent high of 8.5 percent in 2020 to 4.1 percent in 2023. This abrupt change can be attributed to the easing of Covid-19 pandemic restrictions after 2020. The U.S. average unemployment rate was 3.7 percent in 2019, 8.1 percent in 2020 and 3.6 percent in 2023. Washington's ranking rose to 30th in the nation in 2021 but dropped to 43rd in 2023. Washington's five-year average unemployment rate is 5.2 percent, 39th in the nation. The U.S. five-year average is 4.9 percent.

**Figure 3.6: Unemployment Rate**



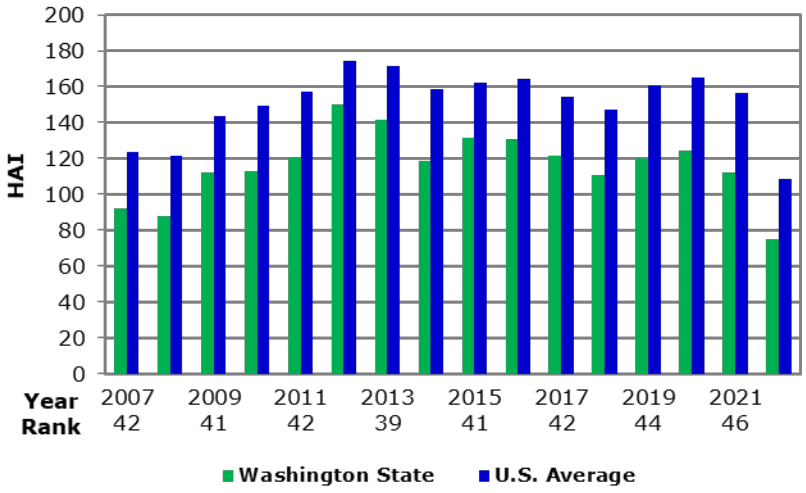

Source: U.S. Department of Labor, Bureau of Labor Statistics; data through 2022

## Housing Affordability Index

*The HAI measures housing affordability based on median income and home value*

The Housing Affordability Index (HAI) is a measure of how affordable median priced homes are to families earning median incomes. For this indicator, HAI scores are calculated using annual estimates for median household income and median home value from the U.S. Census Bureau's American Community Survey. HAI scores are also based on the annual percentage rates for mortgage loans given by Freddie Mac and assume a 20 percent down payment.

**Figure 3.7: Housing Affordability Index**




Source: U.S. Census Bureau, American Factfinder, data through 2022

*The baseline HAI value is 100*

At an HAI of 100, a family earning the median income has exactly enough income to qualify for a mortgage on a median-priced house. Higher index values – above 100 – indicate homes are more affordable; lower index values mean homes are less affordable. For example, an HAI value of 125 means that a median income household has 125 percent of the income necessary to qualify for a median priced house.

*Washington's HAI in 2022 was 75, placing it 47th in the nation*

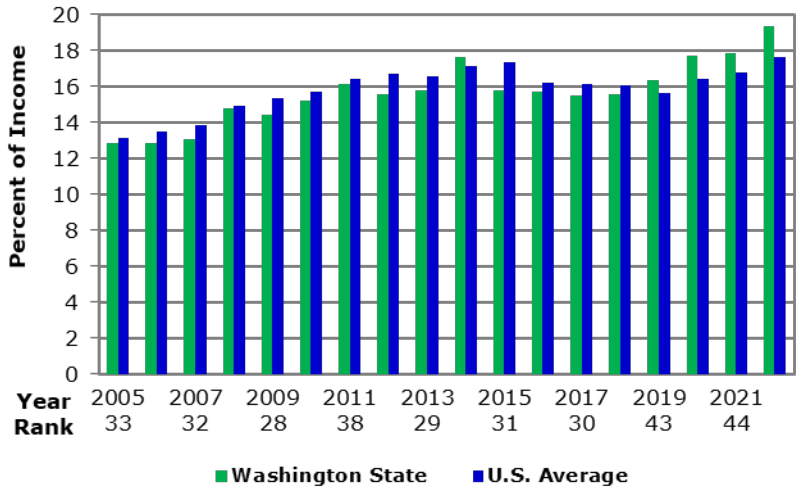
In 2022, Washington's HAI was 75, down from 112 in 2021. The U.S. average HAI was 109 in 2022. Washington has historically been below the U.S. average. Washington's ranking declined to 47th in the nation from 46th the year before. In 2022, only Oregon, California, and Hawaii had an HAI worse than Washington's. Washington's five-year average HAI is 108, placing it at 45th in the nation.

## Income Spent on Rent

*Income spent on rent helps measure housing affordability*

The U.S. Census Bureau's American Community Survey tracks both median contract rent and median household income. Median contract rent is the median amount of monthly rent that is agreed to or contracted for, not including utility payments, fees, meals, or other services. For vacant units, contract rent is the monthly price asked for the unit at the time of interview. Combining contract rent and income data into one indicator – income spent on rent – helps measure shelter costs as well as housing affordability. Renters are typically advised to spend no more than 30 percent of their incomes on rent.

**Figure 3.8: Income Spent on Rent**




Source: U.S. Census Bureau, American Factfinder, data through 2022

*In 2022, Washington ranked 6th worst in the nation for income spent on rent*

Washington's median rent as a percentage of median income was 19.3 percent in 2022, ranking 44th. This is a 1.4 percentage point increase from the year before. Some of the more expensive states, or states with larger portions of incomes being spent on rent, include: Hawaii, Florida, California, New York, and Nevada. The five-year average for Washington is 17.4 percent, while the national five-year average is 17.6 percent. Washington ranked 42nd in the nation over the period.

## Total Average Wage and Average Wage by Occupation

*The OES program produces estimates for over 800 occupations*

The Occupational Employment Statistics (OES) program, produced by the U.S. Department of Labor's Bureau of Labor Statistics, conducts a yearly mail survey to gather estimates of employment and wages for specific occupations in states and metropolitan areas. The OES program collects data on wage and salary workers in nonfarm establishments in order to produce estimates for over 800 occupations. Because of the survey technique, self-employed workers are not represented in these estimates. Under the OES program, occupations are classified under the Standard Occupational Classification (SOC) system. This system includes twenty-three major occupational groups, which can be broken down into 840 individual occupations. Total average state wages are shown in Table 3.9 and state wages for major groups are presented in Table 3.10. Wages for the 840 specific occupations can be found at the BLS web site (www.bls.gov).

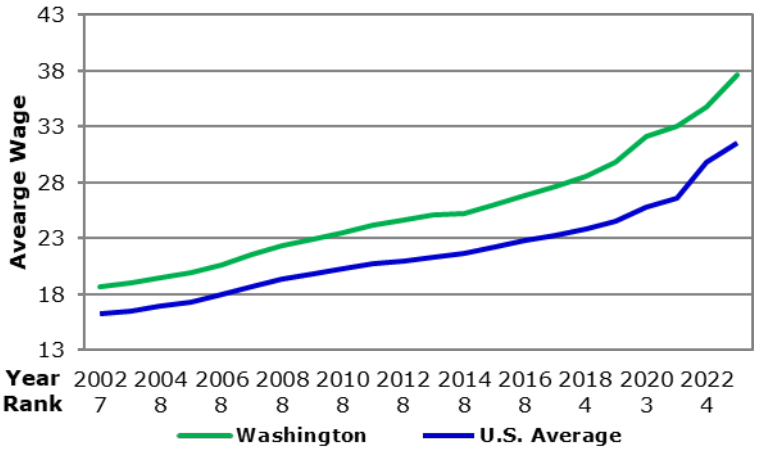
*Washington ranks within the top ten in 20 categories and 3rd overall*

In 2023, Washington ranked in the top ten nationally in twenty out of twenty-two categories. The state achieved 1st place ranking in Food Preparation and Serving Related and Personal Care and Service Operations. Washington ranked 2nd in Computer and Mathematical Operations, Healthcare Support, Office and Administrative Support, and Installation Maintenance and Repair. Washington achieved its lowest rankings in Farming, Fishing and Forestry, achieving 13th place in the nation. Washington's total average hourly wages were $37.56 in 2023, up from $34.79 in 2022. Washington ranked 3rd in the nation, up from its ranking of 4th in 2022. Washington has been consistently higher than the U.S. average. From 2019 to 2023, the average hourly wage was $33.47, ranking 3rd in the nation.

*Wages alone cannot be used to analyze costs since productivity must also be taken into account*

While information on average state wage levels alone can be useful in some business decisions, care must be taken in using them to analyze actual business costs. This is because the OES survey does not attempt to account for differences in productivity or industry mix between the states. A higher-than-average wage level may simply indicate a larger concentration of high-productivity jobs within an occupational group, or higher productivity levels in the same occupation due to differences in average state levels of capital or training. For example, Washington's relatively high average wage in Healthcare Support may be due to a higher-than-average number of higher-paid workers in biotechnology labs rather than having higher paid doctors and nurses. Additionally, there are considerable differences in wage levels between different parts of the state, with the highly populated areas affecting the average wage more than more sparsely populated areas that may have lower wages. The specific occupational and metropolitan area data available from the OES can present a clearer picture of the range of labor costs in the states.

**Figure 3.9: Total Average Wages**




Source: U.S. Department of Commerce, Bureau of Labor Statistics, data through 2023

## Real Per Capita GDP

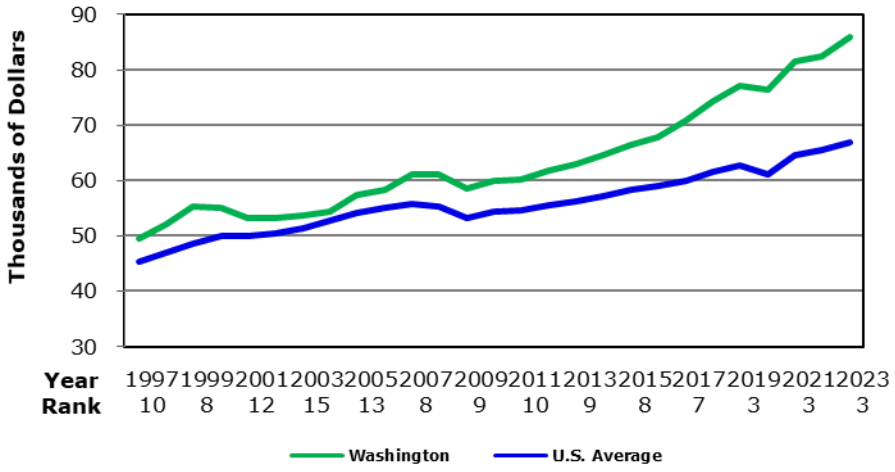
*This is the broadest indicator in the climate study*

The Bureau of Economic Analysis reports each state's real gross domestic product per capita annually. This is calculated by measuring the income and benefits of labor, total business taxes, and capital income, including depreciation. The total is chained with 2017 dollars and divided by the state population. This is the broadest indicator in the climate study and measures how much each state produces in goods and services per citizen, accounting for inflation.

*Washington ranks 3rd best in the nation in real per capita GDP*

In 2023, Washington's per capita GDP increased to $86,028 from $82,362 in 2022. At the same time, the 50-state average per capita GDP increased to $66,814 from $65,478. This resulted in Washington's rank remaining at 3rd. The five-year average for Washington State is $80,681 compared to $64,091 for the 50-state average. Washington's rank in that period is also 3rd.

**Figure 3.10: Real Per Capita GDP**



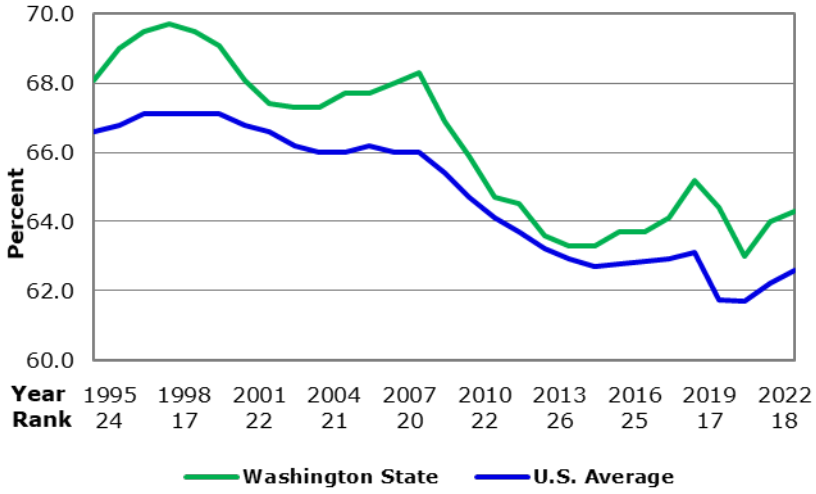

Source: Bureau of Economic Analysis, data through 2023

## Labor Force Participation Rate

*The Labor Force participation rate measures the percentage of the population that is either actively working, or looking for work*

Not to be confused with the employment rate, the labor force participation rate measures the percentage of the potential working population that are either employed or unemployed but seeking work. The working population is defined as all non-incarcerated civilians over the age of 16. A person is considered outside of the labor force if they aren't employed and haven't been seeking employment for at least a month. The labor force participation rate is a strong indicator of a nation's productivity and competitiveness. A large percentage of discouraged workers can lead to a low labor force participation rate. The Bureau of Labor Statistics (BLS) publishes the annual labor force participation rates of each state.

**Figure 3.11: Labor Force Participation Rate**




Source: U.S. Bureau of Labor Statistics; data through 2023

*In 2023, Washington ranked 18th for labor force participation, unchanged from 2022*

Washington's labor force participation rate rose to 64.3 percent in 2023 compared to the U.S. average of 62.6. Washington ranked 18th in the nation for labor force participation, unchanged from 2022. The five-year average for the labor force participation rate is 64.2 percent in Washington and 62.3 percent for the nation. For this period, Washington ranked 18th.

Table 3.1
Economic Growth and Competitiveness
**Per Capita Personal Income**
(Dollars)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 43,004 | 45,882 | 50,054 | 50,920 | 53,175 | 48,607 |
| Alaska | 60,569 | 61,894 | 65,596 | 68,664 | 71,616 | 65,668 |
| Arizona | 47,693 | 52,084 | 56,361 | 58,390 | 61,652 | 55,236 |
| Arkansas | 43,751 | 47,145 | 51,631 | 52,604 | 54,347 | 49,896 |
| California | 64,174 | 70,058 | 76,987 | 77,013 | 80,423 | 73,731 |
| Colorado | 61,258 | 64,848 | 71,920 | 75,708 | 78,918 | 70,530 |
| Connecticut | 74,173 | 77,810 | 81,131 | 83,340 | 87,447 | 80,780 |
| Delaware | 53,746 | 55,792 | 58,885 | 63,177 | 65,392 | 59,398 |
| Florida | 53,640 | 56,556 | 63,071 | 64,804 | 68,248 | 61,264 |
| Georgia | 48,535 | 51,456 | 56,172 | 56,588 | 58,581 | 54,266 |
| Hawaii | 53,912 | 57,030 | 61,481 | 61,813 | 65,151 | 59,877 |
| Idaho | 45,917 | 49,687 | 54,141 | 56,615 | 59,035 | 53,079 |
| Illinois | 57,721 | 61,569 | 67,258 | 67,653 | 70,953 | 65,031 |
| Indiana | 48,270 | 51,716 | 56,931 | 58,329 | 60,038 | 55,057 |
| Iowa | 49,663 | 52,580 | 58,044 | 60,238 | 62,351 | 56,575 |
| Kansas | 52,127 | 55,037 | 58,568 | 60,433 | 63,732 | 57,979 |
| Kentucky | 43,445 | 47,019 | 51,549 | 51,929 | 54,326 | 49,654 |
| Louisiana | 47,009 | 50,239 | 54,531 | 54,527 | 57,100 | 52,681 |
| Maine | 49,976 | 54,263 | 58,621 | 60,425 | 63,117 | 57,280 |
| Maryland | 61,707 | 64,820 | 69,047 | 70,236 | 73,849 | 67,932 |
| Massachusetts | 72,359 | 77,371 | 83,434 | 84,551 | 87,812 | 81,105 |
| Michigan | 48,569 | 52,780 | 56,597 | 57,043 | 59,714 | 54,941 |
| Minnesota | 57,874 | 61,270 | 66,770 | 68,874 | 71,866 | 65,331 |
| Mississippi | 39,157 | 42,510 | 46,577 | 46,388 | 48,110 | 44,548 |
| Missouri | 48,401 | 52,091 | 56,068 | 57,825 | 61,302 | 55,137 |
| Montana | 49,647 | 53,540 | 58,337 | 60,984 | 63,918 | 57,285 |
| Nebraska | 53,450 | 56,715 | 62,660 | 64,263 | 67,800 | 60,978 |
| Nevada | 51,905 | 54,646 | 61,020 | 62,092 | 65,168 | 58,966 |
| New Hampshire | 63,934 | 67,877 | 72,214 | 73,711 | 77,260 | 70,999 |
| New Jersey | 67,484 | 70,952 | 76,069 | 77,206 | 80,724 | 74,487 |
| New Mexico | 43,191 | 46,629 | 51,134 | 52,190 | 54,428 | 49,514 |
| New York | 66,415 | 69,886 | 75,959 | 75,423 | 79,581 | 73,453 |
| North Carolina | 48,366 | 51,759 | 56,698 | 58,125 | 60,484 | 55,086 |
| North Dakota | 56,622 | 61,087 | 65,891 | 70,391 | 73,341 | 65,466 |
| Ohio | 49,404 | 52,875 | 57,022 | 57,759 | 60,402 | 55,492 |
| Oklahoma | 48,172 | 50,245 | 55,159 | 56,306 | 58,499 | 53,676 |
| Oregon | 52,178 | 56,504 | 61,643 | 62,314 | 65,426 | 59,613 |
| Pennsylvania | 56,125 | 60,315 | 64,035 | 64,506 | 67,839 | 62,564 |
| Rhode Island | 55,105 | 59,061 | 63,657 | 63,551 | 66,480 | 61,571 |
| South Carolina | 46,149 | 48,769 | 52,822 | 53,615 | 56,123 | 51,496 |
| South Dakota | 54,426 | 59,462 | 65,411 | 68,173 | 70,353 | 63,565 |
| Tennessee | 48,889 | 51,924 | 57,008 | 58,311 | 61,049 | 55,436 |
| Texas | 53,247 | 55,114 | 60,543 | 62,585 | 65,422 | 59,382 |
| Utah | 48,156 | 51,748 | 57,039 | 59,449 | 62,823 | 55,843 |
| Vermont | 54,257 | 57,974 | 61,202 | 63,035 | 66,463 | 60,586 |
| Virginia | 58,368 | 61,469 | 66,838 | 69,021 | 72,855 | 65,710 |
| **Washington** | **63,405** | **67,669** | **74,181** | **75,345** | **79,659** | **72,052** |
| West Virginia | 42,627 | 45,067 | 49,079 | 50,024 | 52,585 | 47,876 |
| Wisconsin | 52,364 | 55,427 | 60,383 | 61,496 | 63,963 | 58,727 |
| Wyoming | 61,863 | 65,551 | 70,515 | 73,216 | 77,837 | 69,796 |
| U.S. Average* | 55,547 | 59,151 | 64,427 | 65,473 | 68,531 | 62,626 |
| **Washington's Rank** | **7** | **7** | **6** | **7** | **5** | **6** |

Source: Bureau of Economic Analysis, 2023

Table 3.2
Economic Growth and Competitiveness
**Per Capita Personal Income Growth Rate**
(Percent)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 4.1 | 6.7 | 9.1 | 1.7 | 4.4 | 5.2 |
| Alaska | 2.7 | 2.2 | 6.0 | 4.7 | 4.3 | 4.0 |
| Arizona | 5.4 | 9.2 | 8.2 | 3.6 | 5.6 | 6.4 |
| Arkansas | 1.7 | 7.8 | 9.5 | 1.9 | 3.3 | 4.8 |
| California | 5.2 | 9.2 | 9.9 | 0.0 | 4.4 | 5.8 |
| Colorado | 6.0 | 5.9 | 10.9 | 5.3 | 4.2 | 6.5 |
| Connecticut | 2.8 | 4.9 | 4.3 | 2.7 | 4.9 | 3.9 |
| Delaware | 2.0 | 3.8 | 5.5 | 7.3 | 3.5 | 4.4 |
| Florida | 5.2 | 5.4 | 11.5 | 2.7 | 5.3 | 6.0 |
| Georgia | 4.1 | 6.0 | 9.2 | 0.7 | 3.5 | 4.7 |
| Hawaii | 4.6 | 5.8 | 7.8 | 0.5 | 5.4 | 4.8 |
| Idaho | 6.1 | 8.2 | 9.0 | 4.6 | 4.3 | 6.4 |
| Illinois | 2.9 | 6.7 | 9.2 | 0.6 | 4.9 | 4.9 |
| Indiana | 3.7 | 7.1 | 10.1 | 2.5 | 2.9 | 5.3 |
| Iowa | 1.8 | 5.9 | 10.4 | 3.8 | 3.5 | 5.1 |
| Kansas | 3.7 | 5.6 | 6.4 | 3.2 | 5.5 | 4.9 |
| Kentucky | 4.3 | 8.2 | 9.6 | 0.7 | 4.6 | 5.5 |
| Louisiana | 3.4 | 6.9 | 8.5 | 0.0 | 4.7 | 4.7 |
| Maine | 4.7 | 8.6 | 8.0 | 3.1 | 4.5 | 5.8 |
| Maryland | 3.0 | 5.0 | 6.5 | 1.7 | 5.1 | 4.3 |
| Massachusetts | 4.6 | 6.9 | 7.8 | 1.3 | 3.9 | 4.9 |
| Michigan | 3.1 | 8.7 | 7.2 | 0.8 | 4.7 | 4.9 |
| Minnesota | 3.0 | 5.9 | 9.0 | 3.2 | 4.3 | 5.1 |
| Mississippi | 4.1 | 8.6 | 9.6 | -0.4 | 3.7 | 5.1 |
| Missouri | 3.7 | 7.6 | 7.6 | 3.1 | 6.0 | 5.6 |
| Montana | 5.2 | 7.8 | 9.0 | 4.5 | 4.8 | 6.3 |
| Nebraska | 3.9 | 6.1 | 10.5 | 2.6 | 5.5 | 5.7 |
| Nevada | 5.3 | 5.3 | 11.7 | 1.8 | 5.0 | 5.8 |
| New Hampshire | 6.0 | 6.2 | 6.4 | 2.1 | 4.8 | 5.1 |
| New Jersey | 5.1 | 5.1 | 7.2 | 1.5 | 4.6 | 4.7 |
| New Mexico | 5.4 | 8.0 | 9.7 | 2.1 | 4.3 | 5.9 |
| New York | 3.4 | 5.2 | 8.7 | -0.7 | 5.5 | 4.4 |
| North Carolina | 5.1 | 7.0 | 9.5 | 2.5 | 4.1 | 5.6 |
| North Dakota | 2.6 | 7.9 | 7.9 | 6.8 | 4.2 | 5.9 |
| Ohio | 3.3 | 7.0 | 7.8 | 1.3 | 4.6 | 4.8 |
| Oklahoma | 4.7 | 4.3 | 9.8 | 2.1 | 3.9 | 4.9 |
| Oregon | 3.9 | 8.3 | 9.1 | 1.1 | 5.0 | 5.5 |
| Pennsylvania | 3.0 | 7.5 | 6.2 | 0.7 | 5.2 | 4.5 |
| Rhode Island | 5.7 | 7.2 | 7.8 | -0.2 | 4.6 | 5.0 |
| South Carolina | 5.4 | 5.7 | 8.3 | 1.5 | 4.7 | 5.1 |
| South Dakota | 5.5 | 9.3 | 10.0 | 4.2 | 3.2 | 6.4 |
| Tennessee | 5.2 | 6.2 | 9.8 | 2.3 | 4.7 | 5.6 |
| Texas | 3.7 | 3.5 | 9.9 | 3.4 | 4.5 | 5.0 |
| Utah | 5.9 | 7.5 | 10.2 | 4.2 | 5.7 | 6.7 |
| Vermont | 5.0 | 6.9 | 5.6 | 3.0 | 5.4 | 5.2 |
| Virginia | 4.0 | 5.3 | 8.7 | 3.3 | 5.6 | 5.4 |
| **Washington** | **6.0** | **6.7** | **9.6** | **1.6** | **5.7** | **5.9** |
| West Virginia | 4.0 | 5.7 | 8.9 | 1.9 | 5.1 | 5.1 |
| Wisconsin | 3.6 | 5.8 | 8.9 | 1.8 | 4.0 | 4.9 |
| Wyoming | 4.5 | 6.0 | 7.6 | 3.8 | 6.3 | 5.6 |
| U.S. Average* | 4.2 | 6.5 | 8.9 | 1.6 | 4.7 | 5.2 |
| **Washington's Rank** | **3** | **24** | **15** | **34** | **3** | **8** |

Source: Bureau of Economic Analysis, U.S. Department of Commerce, 2023

Table 3.3
Economic Growth and Competitiveness
**Regional Price Parities**
Relative Value of $100

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 114.4 | 113.2 | 114.2 | 113.6 | 113.9 | 113.9 |
| Alaska | 95.6 | 97.0 | 98.7 | 95.4 | 98.0 | 97.0 |
| Arizona | 102.7 | 102.3 | 100.8 | 103.5 | 100.1 | 101.9 |
| Arkansas | 114.7 | 114.0 | 113.3 | 112.5 | 115.5 | 114.0 |
| California | 89.3 | 90.0 | 89.4 | 89.4 | 88.9 | 89.4 |
| Colorado | 99.7 | 97.6 | 96.3 | 97.2 | 97.8 | 97.7 |
| Connecticut | 96.1 | 96.3 | 95.1 | 97.3 | 94.0 | 95.8 |
| Delaware | 100.7 | 101.1 | 103.3 | 102.6 | 102.1 | 102.0 |
| Florida | 99.7 | 100.3 | 99.4 | 98.6 | 97.9 | 99.2 |
| Georgia | 105.5 | 106.0 | 105.8 | 104.4 | 104.3 | 105.2 |
| Hawaii | 90.2 | 89.5 | 88.4 | 88.9 | 90.2 | 89.4 |
| Idaho | 109.0 | 108.2 | 109.9 | 109.2 | 108.9 | 109.0 |
| Illinois | 99.7 | 100.6 | 99.7 | 98.8 | 98.8 | 99.5 |
| Indiana | 107.8 | 107.8 | 109.0 | 108.1 | 108.9 | 108.3 |
| Iowa | 108.9 | 108.8 | 110.2 | 111.4 | 113.1 | 110.5 |
| Kansas | 108.1 | 107.7 | 108.3 | 109.6 | 111.2 | 109.0 |
| Kentucky | 112.3 | 111.6 | 112.2 | 112.1 | 111.9 | 112.0 |
| Louisiana | 110.2 | 109.7 | 109.7 | 109.4 | 110.4 | 109.9 |
| Maine | 102.4 | 104.6 | 102.1 | 102.8 | 99.2 | 102.2 |
| Maryland | 94.0 | 95.2 | 94.0 | 94.2 | 95.3 | 94.5 |
| Massachusetts | 93.2 | 93.4 | 91.7 | 93.8 | 91.4 | 92.7 |
| Michigan | 105.9 | 104.9 | 105.9 | 106.2 | 107.0 | 106.0 |
| Minnesota | 100.4 | 101.2 | 102.1 | 101.6 | 102.3 | 101.5 |
| Mississippi | 116.1 | 115.5 | 116.8 | 116.0 | 114.5 | 115.8 |
| Missouri | 108.9 | 108.1 | 108.5 | 108.7 | 109.7 | 108.8 |
| Montana | 108.3 | 106.1 | 108.8 | 109.4 | 110.8 | 108.7 |
| Nebraska | 108.8 | 108.0 | 107.7 | 108.8 | 111.4 | 108.9 |
| Nevada | 104.0 | 101.2 | 102.9 | 104.8 | 103.8 | 103.3 |
| New Hampshire | 96.6 | 96.2 | 95.0 | 97.5 | 92.9 | 95.6 |
| New Jersey | 90.0 | 89.9 | 90.3 | 91.6 | 91.9 | 90.7 |
| New Mexico | 109.1 | 107.6 | 108.9 | 111.3 | 109.9 | 109.4 |
| New York | 91.3 | 91.3 | 90.8 | 91.2 | 92.9 | 91.5 |
| North Carolina | 107.6 | 108.8 | 109.5 | 106.6 | 106.2 | 107.7 |
| North Dakota | 109.6 | 107.2 | 108.8 | 110.0 | 112.8 | 109.7 |
| Ohio | 107.6 | 107.2 | 108.8 | 108.5 | 109.3 | 108.3 |
| Oklahoma | 111.5 | 112.0 | 111.5 | 111.2 | 112.6 | 111.8 |
| Oregon | 95.5 | 96.3 | 96.9 | 97.0 | 93.8 | 95.9 |
| Pennsylvania | 101.9 | 102.0 | 102.4 | 104.0 | 103.9 | 102.8 |
| Rhode Island | 98.0 | 97.7 | 98.2 | 98.0 | 95.5 | 97.5 |
| South Carolina | 108.4 | 109.3 | 110.0 | 106.8 | 106.9 | 108.3 |
| South Dakota | 109.6 | 108.9 | 109.4 | 111.0 | 113.6 | 110.5 |
| Tennessee | 111.5 | 109.6 | 110.4 | 110.4 | 108.9 | 110.2 |
| Texas | 102.3 | 101.6 | 101.2 | 101.6 | 102.6 | 101.9 |
| Utah | 104.2 | 102.8 | 105.0 | 105.7 | 105.9 | 104.7 |
| Vermont | 99.8 | 100.4 | 97.9 | 101.4 | 98.9 | 99.7 |
| Virginia | 98.0 | 99.9 | 99.0 | 97.7 | 97.9 | 98.5 |
| **Washington** | **93.3** | **92.6** | **92.8** | **91.9** | **91.0** | **92.3** |
| West Virginia | 111.8 | 112.9 | 114.5 | 109.9 | 112.1 | 112.2 |
| Wisconsin | 106.4 | 105.9 | 107.9 | 107.3 | 108.3 | 107.2 |
| Wyoming | 108.3 | 106.3 | 108.9 | 109.3 | 108.8 | 108.3 |
| U.S. Average* | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| **Washington Rank** | **45** | **46** | **45** | **46** | **48** | **46** |

Source U.S. Department of Commerce, Bureau of Economic Analysis (www.bea.gov), 2022
*U.S. set to 100 by default

Table 3.4
Economic Growth and Competitiveness
**Total Employment Growth Rate**
(Percent)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 1.5 | -4.0 | 2.8 | 3.1 | 2.4 | 1.2 |
| Alaska | 0.7 | -8.4 | 2.6 | 2.8 | 3.0 | 0.2 |
| Arizona | 3.0 | -3.0 | 4.1 | 4.8 | 2.6 | 2.3 |
| Arkansas | 1.2 | -2.7 | 2.8 | 3.6 | 1.7 | 1.3 |
| California | 1.5 | -7.1 | 3.5 | 5.5 | 0.9 | 0.8 |
| Colorado | 2.3 | -4.9 | 3.7 | 4.3 | 2.5 | 1.6 |
| Connecticut | -0.2 | -7.4 | 2.9 | 3.2 | 1.6 | 0.0 |
| Delaware | 1.1 | -5.5 | 2.7 | 4.1 | 2.6 | 1.0 |
| Florida | 2.1 | -4.9 | 4.6 | 5.7 | 3.4 | 2.2 |
| Georgia | 1.9 | -4.5 | 3.9 | 4.6 | 2.0 | 1.6 |
| Hawaii | 0.1 | -15.0 | 4.8 | 5.3 | 2.3 | -0.5 |
| Idaho | 2.9 | -0.7 | 5.6 | 3.9 | 2.3 | 2.8 |
| Illinois | 0.4 | -7.0 | 2.0 | 3.8 | 1.4 | 0.1 |
| Indiana | 0.7 | -5.2 | 3.0 | 3.4 | 1.5 | 0.7 |
| Iowa | 0.2 | -5.0 | 2.0 | 2.2 | 1.1 | 0.1 |
| Kansas | 0.6 | -4.6 | 1.5 | 2.6 | 1.9 | 0.4 |
| Kentucky | 0.8 | -5.5 | 3.6 | 3.4 | 2.5 | 0.9 |
| Louisiana | 0.2 | -7.5 | 1.9 | 2.7 | 1.2 | -0.3 |
| Maine | 1.0 | -6.0 | 4.1 | 2.6 | 1.8 | 0.7 |
| Maryland | 0.7 | -6.8 | 2.5 | 2.4 | 1.1 | 0.0 |
| Massachusetts | 1.5 | -8.3 | 3.8 | 4.0 | 1.1 | 0.4 |
| Michigan | 0.4 | -9.1 | 4.0 | 4.1 | 1.8 | 0.2 |
| Minnesota | 0.7 | -6.6 | 2.5 | 2.7 | 1.8 | 0.2 |
| Mississippi | 0.4 | -4.2 | 2.6 | 2.5 | 1.2 | 0.5 |
| Missouri | 0.8 | -4.8 | 2.5 | 2.8 | 1.8 | 0.6 |
| Montana | 1.2 | -2.9 | 4.6 | 3.6 | 2.1 | 1.7 |
| Nebraska | 0.3 | -3.8 | 1.9 | 1.9 | 2.2 | 0.5 |
| Nevada | 2.8 | -9.9 | 7.2 | 8.3 | 3.4 | 2.4 |
| New Hampshire | 1.0 | -6.5 | 3.7 | 3.5 | 1.9 | 0.7 |
| New Jersey | 0.8 | -8.0 | 4.7 | 5.1 | 2.0 | 0.9 |
| New Mexico | 1.7 | -6.5 | 1.9 | 4.4 | 2.7 | 0.8 |
| New York | 1.0 | -9.9 | 2.8 | 5.0 | 2.0 | 0.2 |
| North Carolina | 2.0 | -3.8 | 4.3 | 4.4 | 2.6 | 1.9 |
| North Dakota | 1.1 | -6.5 | 1.1 | 2.7 | 2.2 | 0.1 |
| Ohio | 0.6 | -5.9 | 2.4 | 2.7 | 1.5 | 0.3 |
| Oklahoma | 0.9 | -4.5 | 1.4 | 3.3 | 2.9 | 0.8 |
| Oregon | 1.6 | -6.3 | 2.4 | 3.7 | 1.7 | 0.6 |
| Pennsylvania | 0.9 | -7.6 | 2.8 | 3.9 | 1.7 | 0.3 |
| Rhode Island | 0.7 | -8.4 | 3.9 | 3.7 | 1.4 | 0.2 |
| South Carolina | 1.6 | -4.9 | 3.4 | 4.1 | 2.8 | 1.4 |
| South Dakota | 0.6 | -3.2 | 3.3 | 2.8 | 2.1 | 1.1 |
| Tennessee | 1.8 | -3.7 | 3.3 | 4.5 | 1.8 | 1.5 |
| Texas | 2.3 | -4.2 | 3.6 | 5.8 | 3.3 | 2.2 |
| Utah | 2.7 | -1.4 | 5.0 | 4.2 | 2.5 | 2.6 |
| Vermont | 0.1 | -9.3 | 2.7 | 3.3 | 1.7 | -0.3 |
| Virginia | 1.2 | -4.9 | 2.4 | 3.1 | 2.3 | 0.8 |
| **Washington** | **2.0** | **-5.3** | **2.7** | **4.7** | **2.0** | **1.2** |
| West Virginia | -0.7 | -6.6 | 1.9 | 2.5 | 1.8 | -0.2 |
| Wisconsin | 0.3 | -5.5 | 2.4 | 2.7 | 1.4 | 0.3 |
| Wyoming | 1.6 | -5.7 | 1.6 | 2.3 | 2.2 | 0.4 |
| U.S. Average | 1.3 | -6.1 | 3.3 | 4.3 | 2.0 | 1.0 |
| **Washington's Rank** | **9** | **23** | **31** | **9** | **24** | **14** |

Source: U.S. Bureau of Labor Statistics (www.bls.gov), 2023

Table 3.5
Economic Growth and Competitiveness
**Real Median Household Income**
(Current dollars)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 57,720 | 64,010 | 61,650 | 61,390 | 59,910 | 60,936 |
| Alaska | 79,450 | 89,290 | 84,260 | 87,490 | 89,740 | 86,046 |
| Arizona | 71,990 | 80,500 | 75,620 | 76,370 | 73,450 | 75,586 |
| Arkansas | 57,540 | 62,120 | 57,240 | 54,760 | 53,980 | 57,128 |
| California | 81,480 | 88,960 | 87,530 | 87,960 | 85,300 | 86,246 |
| Colorado | 84,420 | 82,580 | 94,440 | 91,610 | 89,930 | 88,596 |
| Connecticut | 84,160 | 99,420 | 89,540 | 87,300 | 90,730 | 90,230 |
| Delaware | 75,140 | 84,510 | 78,930 | 74,070 | 80,750 | 78,680 |
| Florida | 63,160 | 66,480 | 65,110 | 64,410 | 65,370 | 64,906 |
| Georgia | 64,520 | 64,500 | 66,810 | 66,310 | 67,730 | 65,974 |
| Hawaii | 92,590 | 100,200 | 91,110 | 88,630 | 91,010 | 92,708 |
| Idaho | 67,880 | 75,160 | 75,220 | 82,940 | 72,580 | 74,756 |
| Illinois | 81,080 | 84,740 | 83,790 | 85,460 | 78,020 | 82,618 |
| Indiana | 69,230 | 75,960 | 75,310 | 75,690 | 70,030 | 73,244 |
| Iowa | 79,430 | 75,240 | 77,570 | 78,100 | 76,320 | 77,332 |
| Kansas | 73,900 | 83,320 | 82,380 | 81,930 | 73,040 | 78,914 |
| Kentucky | 63,060 | 63,400 | 63,980 | 59,980 | 55,880 | 61,260 |
| Louisiana | 57,760 | 58,890 | 57,700 | 61,690 | 58,330 | 58,874 |
| Maine | 67,810 | 75,800 | 71,800 | 76,710 | 75,160 | 73,456 |
| Maryland | 99,660 | 108,900 | 106,900 | 105,000 | 108,200 | 105,732 |
| Massachusetts | 99,800 | 99,900 | 98,980 | 93,340 | 93,550 | 97,114 |
| Michigan | 69,870 | 73,030 | 72,590 | 69,540 | 68,990 | 70,804 |
| Minnesota | 83,010 | 92,740 | 88,770 | 86,740 | 90,390 | 88,330 |
| Mississippi | 49,450 | 51,010 | 50,880 | 50,290 | 48,610 | 50,048 |
| Missouri | 71,350 | 69,020 | 70,090 | 68,570 | 71,520 | 70,110 |
| Montana | 66,670 | 68,560 | 63,960 | 70,090 | 72,980 | 68,452 |
| Nebraska | 78,110 | 83,230 | 81,440 | 84,220 | 78,360 | 81,072 |
| Nevada | 71,510 | 80,760 | 68,950 | 69,380 | 72,330 | 72,586 |
| New Hampshire | 94,020 | 98,980 | 100,200 | 95,800 | 84,970 | 94,794 |
| New Jersey | 85,740 | 99,920 | 96,430 | 95,490 | 92,340 | 93,984 |
| New Mexico | 55,810 | 60,500 | 57,380 | 57,650 | 56,420 | 57,552 |
| New York | 77,760 | 81,840 | 77,400 | 78,630 | 75,910 | 78,308 |
| North Carolina | 61,690 | 69,660 | 68,120 | 67,820 | 65,070 | 66,472 |
| North Dakota | 76,870 | 79,760 | 72,270 | 74,280 | 78,720 | 76,380 |
| Ohio | 71,240 | 73,650 | 68,060 | 67,600 | 67,520 | 69,614 |
| Oklahoma | 62,920 | 67,650 | 59,150 | 64,800 | 63,440 | 63,592 |
| Oregon | 79,950 | 84,760 | 86,630 | 88,260 | 86,780 | 85,276 |
| Pennsylvania | 74,580 | 80,390 | 79,800 | 78,310 | 72,210 | 77,058 |
| Rhode Island | 71,970 | 79,900 | 90,380 | 80,850 | 80,650 | 80,750 |
| South Carolina | 66,400 | 70,650 | 68,020 | 67,440 | 61,770 | 66,856 |
| South Dakota | 68,730 | 73,190 | 79,120 | 79,680 | 67,180 | 73,580 |
| Tennessee | 64,800 | 64,500 | 61,970 | 67,030 | 65,380 | 64,736 |
| Texas | 69,100 | 76,820 | 77,110 | 72,680 | 74,640 | 74,070 |
| Utah | 89,080 | 96,270 | 94,680 | 94,510 | 95,800 | 94,068 |
| Vermont | 80,990 | 84,630 | 75,810 | 82,040 | 72,190 | 79,132 |
| Virginia | 89,180 | 92,610 | 92,670 | 86,550 | 85,170 | 89,236 |
| **Washington** | **92,150** | **93,910** | **91,710** | **94,510** | **89,430** | **92,342** |
| West Virginia | 58,460 | 61,170 | 58,580 | 50,500 | 52,460 | 56,234 |
| Wisconsin | 72,390 | 76,720 | 75,980 | 75,420 | 73,330 | 74,768 |
| Wyoming | 72,290 | 74,190 | 73,780 | 76,620 | 73,090 | 73,994 |
| U.S. Median* | 73,030 | 78,250 | 76,660 | 76,330 | 74,580 | 75,770 |
| **Washington's Rank** | **5** | **8** | **8** | **4** | **10** | **7** |

Source: U.S. Department of Commerce, Bureau of the Census, 2022

Table 3.6
Economic Growth and Competitiveness
**Unemployment Rate**

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 3.2 | 6.4 | 3.4 | 2.5 | 2.5 | 3.6 |
| Alaska | 5.6 | 8.3 | 6.4 | 4.2 | 4.2 | 5.7 |
| Arizona | 4.8 | 7.8 | 5.1 | 3.8 | 3.9 | 5.1 |
| Arkansas | 3.5 | 6.2 | 4.0 | 3.2 | 3.3 | 4.0 |
| California | 4.1 | 10.1 | 7.3 | 4.3 | 4.8 | 6.1 |
| Colorado | 2.7 | 6.8 | 5.5 | 3.1 | 3.2 | 4.3 |
| Connecticut | 3.6 | 8.0 | 6.4 | 4.1 | 3.8 | 5.2 |
| Delaware | 3.6 | 7.5 | 5.5 | 4.3 | 4.0 | 5.0 |
| Florida | 3.3 | 8.1 | 4.7 | 3.0 | 2.9 | 4.4 |
| Georgia | 3.6 | 6.5 | 3.9 | 3.1 | 3.2 | 4.1 |
| Hawaii | 2.5 | 11.7 | 6.0 | 3.3 | 3.0 | 5.3 |
| Idaho | 2.9 | 5.5 | 3.6 | 2.8 | 3.1 | 3.6 |
| Illinois | 4.0 | 9.3 | 6.1 | 4.6 | 4.5 | 5.7 |
| Indiana | 3.3 | 7.3 | 3.9 | 3.1 | 3.3 | 4.2 |
| Iowa | 2.7 | 5.2 | 3.8 | 2.8 | 2.9 | 3.5 |
| Kansas | 3.2 | 5.8 | 3.3 | 2.6 | 2.7 | 3.5 |
| Kentucky | 4.1 | 6.5 | 4.5 | 4.0 | 4.2 | 4.7 |
| Louisiana | 4.6 | 8.6 | 5.6 | 3.7 | 3.7 | 5.2 |
| Maine | 2.9 | 5.1 | 4.7 | 2.8 | 2.9 | 3.7 |
| Maryland | 3.4 | 6.4 | 5.2 | 3.0 | 2.1 | 4.0 |
| Massachusetts | 3.0 | 9.3 | 5.4 | 3.7 | 3.4 | 5.0 |
| Michigan | 4.1 | 10.0 | 5.7 | 4.1 | 3.9 | 5.6 |
| Minnesota | 3.3 | 6.3 | 3.7 | 2.6 | 2.8 | 3.7 |
| Mississippi | 5.5 | 8.0 | 5.4 | 3.8 | 3.2 | 5.2 |
| Missouri | 3.2 | 6.2 | 4.2 | 2.6 | 3.0 | 3.8 |
| Montana | 3.5 | 5.8 | 3.4 | 2.7 | 2.9 | 3.7 |
| Nebraska | 3.1 | 4.3 | 2.6 | 2.2 | 2.3 | 2.9 |
| Nevada | 4.1 | 13.5 | 6.8 | 5.2 | 5.1 | 6.9 |
| New Hampshire | 2.6 | 6.7 | 3.4 | 2.3 | 2.2 | 3.4 |
| New Jersey | 3.5 | 9.4 | 6.7 | 3.9 | 4.4 | 5.6 |
| New Mexico | 5.0 | 7.9 | 7.1 | 4.1 | 3.8 | 5.6 |
| New York | 3.9 | 9.8 | 7.1 | 4.3 | 4.2 | 5.9 |
| North Carolina | 3.9 | 7.2 | 4.9 | 3.7 | 3.5 | 4.6 |
| North Dakota | 2.2 | 4.9 | 3.0 | 2.0 | 1.9 | 2.8 |
| Ohio | 4.2 | 8.2 | 5.1 | 4.0 | 3.5 | 5.0 |
| Oklahoma | 3.1 | 6.3 | 4.0 | 3.1 | 3.2 | 3.9 |
| Oregon | 3.7 | 7.6 | 5.2 | 3.9 | 3.7 | 4.8 |
| Pennsylvania | 4.3 | 8.9 | 5.9 | 4.1 | 3.4 | 5.3 |
| Rhode Island | 3.5 | 9.2 | 5.5 | 3.2 | 3.0 | 4.9 |
| South Carolina | 2.8 | 6.0 | 3.9 | 3.2 | 3.0 | 3.8 |
| South Dakota | 2.8 | 4.2 | 2.6 | 2.0 | 2.0 | 2.7 |
| Tennessee | 3.3 | 7.4 | 4.5 | 3.4 | 3.3 | 4.4 |
| Texas | 3.5 | 7.7 | 5.6 | 3.9 | 3.9 | 4.9 |
| Utah | 2.5 | 4.8 | 2.8 | 2.4 | 2.6 | 3.0 |
| Vermont | 2.1 | 5.6 | 3.6 | 2.3 | 2.0 | 3.1 |
| Virginia | 2.8 | 6.4 | 3.9 | 2.8 | 2.9 | 3.8 |
| **Washington** | **4.2** | **8.5** | **5.2** | **4.1** | **4.1** | **5.2** |
| West Virginia | 5.0 | 8.2 | 5.1 | 3.9 | 3.9 | 5.2 |
| Wisconsin | 3.2 | 6.4 | 3.9 | 2.9 | 3.0 | 3.9 |
| Wyoming | 3.7 | 5.9 | 4.5 | 3.4 | 2.9 | 4.1 |
| U.S. Average * | 3.7 | 8.1 | 5.3 | 3.6 | 3.6 | 4.9 |
| **Washington's Rank** | **42** | **39** | **30** | **40** | **43** | **39** |

Source: U.S. Department of Labor, Bureau of Labor Statistics, 2023

Table 3.7

Economic Growth and Competitiveness

**Housing Affordability Index**

(Baseline: 100)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 180 | 205 | 204 | 205 | 139 | 187 |
| Alaska | 133 | 157 | 152 | 166 | 122 | 146 |
| Arizona | 138 | 155 | 155 | 131 | 86 | 133 |
| Arkansas | 200 | 225 | 213 | 195 | 144 | 195 |
| California | 69 | 77 | 81 | 78 | 60 | 73 |
| Colorado | 105 | 103 | 126 | 113 | 79 | 105 |
| Connecticut | 140 | 175 | 159 | 162 | 119 | 151 |
| Delaware | 136 | 159 | 150 | 142 | 114 | 140 |
| Florida | 199 | 134 | 139 | 128 | 91 | 138 |
| Georgia | 154 | 157 | 174 | 153 | 114 | 151 |
| Hawaii | 47 | 74 | 71 | 71 | 53 | 63 |
| Idaho | 184 | 145 | 159 | 130 | 79 | 139 |
| Illinois | 154 | 200 | 205 | 213 | 142 | 183 |
| Indiana | 255 | 240 | 251 | 240 | 149 | 227 |
| Iowa | 211 | 234 | 250 | 259 | 167 | 224 |
| Kansas | 230 | 252 | 260 | 257 | 156 | 231 |
| Kentucky | 231 | 206 | 216 | 200 | 141 | 199 |
| Louisiana | 174 | 169 | 170 | 185 | 124 | 164 |
| Maine | 135 | 187 | 180 | 176 | 112 | 158 |
| Maryland | 97 | 162 | 163 | 163 | 111 | 139 |
| Massachusetts | 115 | 118 | 122 | 112 | 83 | 110 |
| Michigan | 284 | 213 | 221 | 202 | 139 | 212 |
| Minnesota | 137 | 186 | 187 | 175 | 122 | 162 |
| Mississippi | 311 | 196 | 201 | 199 | 151 | 212 |
| Missouri | 141 | 203 | 213 | 200 | 137 | 179 |
| Montana | 132 | 133 | 130 | 125 | 86 | 121 |
| Nebraska | 191 | 238 | 247 | 237 | 140 | 210 |
| Nevada | 124 | 125 | 118 | 107 | 78 | 110 |
| New Hampshire | 122 | 174 | 182 | 160 | 109 | 150 |
| New Jersey | 126 | 141 | 140 | 141 | 105 | 131 |
| New Mexico | 227 | 165 | 163 | 155 | 115 | 165 |
| New York | 79 | 119 | 118 | 123 | 93 | 107 |
| North Carolina | 199 | 178 | 186 | 165 | 112 | 168 |
| North Dakota | 144 | 192 | 179 | 191 | 138 | 169 |
| Ohio | 235 | 231 | 223 | 217 | 150 | 211 |
| Oklahoma | 235 | 227 | 207 | 222 | 145 | 207 |
| Oregon | 85 | 118 | 128 | 121 | 74 | 105 |
| Pennsylvania | 199 | 206 | 210 | 203 | 137 | 191 |
| Rhode Island | 126 | 139 | 163 | 134 | 100 | 132 |
| South Carolina | 195 | 194 | 199 | 182 | 118 | 177 |
| South Dakota | 179 | 195 | 225 | 209 | 133 | 188 |
| Tennessee | 179 | 166 | 173 | 165 | 107 | 158 |
| Texas | 161 | 189 | 205 | 177 | 123 | 171 |
| Utah | 105 | 144 | 154 | 129 | 83 | 123 |
| Vermont | 177 | 179 | 163 | 174 | 113 | 161 |
| Virginia | 133 | 158 | 163 | 151 | 110 | 143 |
| **Washington** | **111** | **120** | **124** | **112** | **75** | **108** |
| West Virginia | 351 | 242 | 236 | 204 | 164 | 239 |
| Wisconsin | 143 | 192 | 199 | 189 | 131 | 171 |
| Wyoming | 145 | 156 | 161 | 166 | 112 | 148 |
| United States | 147 | 161 | 165 | 157 | 109 | 148 |
| **Washington's Rank** | **43** | **44** | **45** | **46** | **47** | **45** |

Source: U.S. Census Bureau, 2022

Table 3.8
Economic Growth and Competitiveness
**Monthly Income Spent on Rent**
(Percent)*

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2017-21 |
|---|---|---|---|---|---|---|
| Alabama | 13.3 | 12.4 | 13.2 | 13.3 | 13.7 | 13.2 |
| Alaska | 19.2 | 17.2 | 18.0 | 17.1 | 16.2 | 17.5 |
| Arizona | 16.0 | 15.0 | 16.5 | 16.8 | 18.4 | 16.5 |
| Arkansas | 12.8 | 12.3 | 13.7 | 14.5 | 14.6 | 13.6 |
| California | 21.9 | 21.2 | 22.3 | 22.8 | 23.9 | 22.4 |
| Colorado | 17.4 | 19.2 | 17.4 | 18.7 | 19.4 | 18.4 |
| Connecticut | 15.8 | 13.7 | 15.5 | 15.8 | 15.4 | 15.2 |
| Delaware | 16.9 | 15.5 | 16.8 | 17.8 | 16.4 | 16.7 |
| Florida | 20.7 | 20.7 | 22.2 | 23.1 | 23.4 | 22.0 |
| Georgia | 16.2 | 17.0 | 17.1 | 17.6 | 17.8 | 17.1 |
| Hawaii | 20.8 | 19.9 | 22.2 | 23.2 | 22.5 | 21.7 |
| Idaho | 13.8 | 13.2 | 13.6 | 12.7 | 15.1 | 13.7 |
| Illinois | 14.2 | 14.0 | 14.4 | 14.2 | 15.7 | 14.5 |
| Indiana | 12.5 | 11.7 | 12.0 | 12.1 | 13.2 | 12.3 |
| Iowa | 10.7 | 11.6 | 11.4 | 11.4 | 11.7 | 11.3 |
| Kansas | 11.7 | 10.7 | 10.9 | 11.2 | 12.6 | 11.4 |
| Kentucky | 12.3 | 12.7 | 12.9 | 13.8 | 15.1 | 13.4 |
| Louisiana | 15.9 | 16.2 | 16.7 | 15.7 | 16.5 | 16.2 |
| Maine | 14.5 | 13.5 | 14.5 | 13.7 | 14.1 | 14.1 |
| Maryland | 16.4 | 15.5 | 16.0 | 16.4 | 15.7 | 16.0 |
| Massachusetts | 14.8 | 15.5 | 16.2 | 17.6 | 17.9 | 16.4 |
| Michigan | 13.5 | 13.4 | 13.7 | 14.5 | 14.8 | 14.0 |
| Minnesota | 14.0 | 13.1 | 14.0 | 14.5 | 14.3 | 13.9 |
| Mississippi | 15.6 | 15.6 | 15.8 | 16.1 | 16.6 | 15.9 |
| Missouri | 11.8 | 12.6 | 12.6 | 13.1 | 12.6 | 12.5 |
| Montana | 13.8 | 14.2 | 15.5 | 14.3 | 13.9 | 14.3 |
| Nebraska | 11.3 | 11.1 | 11.7 | 11.5 | 12.5 | 11.6 |
| Nevada | 17.2 | 16.0 | 19.7 | 20.3 | 20.1 | 18.7 |
| New Hampshire | 13.8 | 13.4 | 13.5 | 14.5 | 16.7 | 14.4 |
| New Jersey | 18.4 | 16.3 | 17.1 | 17.6 | 18.2 | 17.5 |
| New Mexico | 16.9 | 16.2 | 17.3 | 17.3 | 17.6 | 17.0 |
| New York | 19.7 | 19.4 | 20.8 | 20.8 | 21.6 | 20.5 |
| North Carolina | 15.2 | 14.1 | 14.9 | 15.2 | 16.4 | 15.2 |
| North Dakota | 12.8 | 12.7 | 13.9 | 13.3 | 12.5 | 13.0 |
| Ohio | 12.0 | 11.9 | 13.1 | 13.4 | 13.5 | 12.8 |
| Oklahoma | 13.3 | 12.7 | 14.6 | 13.6 | 14.0 | 13.6 |
| Oregon | 15.5 | 15.6 | 16.2 | 16.3 | 16.9 | 16.1 |
| Pennsylvania | 13.5 | 13.0 | 13.4 | 13.8 | 15.2 | 13.8 |
| Rhode Island | 15.8 | 14.8 | 13.2 | 14.9 | 15.3 | 14.8 |
| South Carolina | 13.5 | 13.3 | 14.3 | 14.6 | 16.5 | 14.4 |
| South Dakota | 12.1 | 11.8 | 11.1 | 11.3 | 13.5 | 11.9 |
| Tennessee | 13.6 | 14.3 | 15.5 | 14.5 | 15.3 | 14.6 |
| Texas | 16.4 | 15.6 | 16.1 | 17.3 | 17.4 | 16.5 |
| Utah | 13.2 | 12.9 | 13.7 | 14.2 | 14.6 | 13.7 |
| Vermont | 14.2 | 14.0 | 15.6 | 14.7 | 16.6 | 15.0 |
| Virginia | 15.5 | 15.6 | 15.9 | 17.2 | 17.6 | 16.4 |
| **Washington** | **15.5** | **16.4** | **17.7** | **17.9** | **19.3** | **17.4** |
| West Virginia | 12.2 | 12.0 | 12.5 | 14.8 | 14.1 | 13.1 |
| Wisconsin | 13.2 | 12.9 | 13.2 | 13.4 | 13.9 | 13.3 |
| Wyoming | 13.5 | 13.5 | 13.5 | 12.7 | 13.2 | 13.3 |
| United States | 16.1 | 15.6 | 16.4 | 16.8 | 17.6 | 16.5 |
| **Washington's Rank** | **31** | **43** | **44** | **44** | **44** | **42** |

Source: U.S. Census Bureau, 2022

Table 3.9
Economic Growth and Competitiveness
**Total Average Hourly Wages**
(Dollars)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 21.60 | 22.52 | 23.13 | 24.34 | 25.67 | 23.45 |
| Alaska | 28.51 | 29.69 | 30.52 | 31.79 | 33.60 | 30.82 |
| Arizona | 24.49 | 25.67 | 26.53 | 28.18 | 30.31 | 27.04 |
| Arkansas | 20.52 | 21.53 | 22.36 | 23.35 | 24.64 | 22.48 |
| California | 29.47 | 31.61 | 32.94 | 35.20 | 37.00 | 33.24 |
| Colorado | 27.73 | 29.25 | 30.24 | 32.63 | 34.60 | 30.89 |
| Connecticut | 29.98 | 31.46 | 31.79 | 33.32 | 35.45 | 32.40 |
| Delaware | 26.14 | 27.26 | 28.76 | 29.93 | 31.73 | 28.76 |
| Florida | 22.96 | 24.05 | 24.98 | 26.91 | 28.95 | 25.57 |
| Georgia | 23.85 | 24.97 | 25.93 | 27.88 | 29.45 | 26.42 |
| Hawaii | 26.41 | 27.98 | 28.73 | 29.53 | 31.27 | 28.78 |
| Idaho | 21.58 | 22.50 | 23.05 | 24.69 | 26.75 | 23.71 |
| Illinois | 26.51 | 27.92 | 28.68 | 30.73 | 32.27 | 29.22 |
| Indiana | 22.49 | 23.39 | 24.25 | 25.72 | 27.12 | 24.59 |
| Iowa | 22.76 | 23.69 | 24.59 | 25.73 | 27.12 | 24.78 |
| Kansas | 22.37 | 23.37 | 23.88 | 25.41 | 27.05 | 24.42 |
| Kentucky | 21.16 | 22.11 | 23.16 | 24.76 | 25.97 | 23.43 |
| Louisiana | 21.24 | 22.34 | 22.95 | 24.49 | 25.69 | 23.34 |
| Maine | 23.30 | 24.62 | 25.59 | 26.90 | 28.85 | 25.85 |
| Maryland | 28.95 | 30.58 | 31.68 | 33.53 | 35.40 | 32.03 |
| Massachusetts | 31.58 | 33.66 | 35.07 | 36.83 | 38.62 | 35.15 |
| Michigan | 24.42 | 25.67 | 26.52 | 27.88 | 29.13 | 26.72 |
| Minnesota | 26.87 | 28.23 | 29.08 | 30.60 | 32.07 | 29.37 |
| Mississippi | 19.27 | 20.00 | 20.53 | 21.72 | 22.87 | 20.88 |
| Missouri | 22.99 | 24.10 | 24.71 | 26.21 | 27.68 | 25.14 |
| Montana | 21.81 | 22.73 | 23.72 | 25.11 | 26.88 | 24.05 |
| Nebraska | 23.20 | 24.16 | 25.05 | 26.48 | 27.92 | 25.36 |
| Nevada | 22.70 | 24.21 | 24.56 | 26.68 | 28.32 | 25.29 |
| New Hampshire | 25.94 | 27.27 | 28.50 | 30.07 | 31.78 | 28.71 |
| New Jersey | 28.84 | 30.62 | 32.27 | 34.08 | 35.57 | 32.28 |
| New Mexico | 22.61 | 23.87 | 24.93 | 26.15 | 27.65 | 25.04 |
| New York | 30.76 | 32.62 | 33.87 | 36.00 | 37.80 | 34.21 |
| North Carolina | 23.34 | 24.52 | 25.53 | 27.03 | 28.71 | 25.83 |
| North Dakota | 24.25 | 25.22 | 25.67 | 26.83 | 28.39 | 26.07 |
| Ohio | 23.76 | 24.77 | 25.56 | 27.18 | 28.79 | 26.01 |
| Oklahoma | 21.93 | 22.76 | 23.25 | 24.49 | 25.70 | 23.63 |
| Oregon | 25.91 | 27.34 | 28.40 | 30.14 | 32.07 | 28.77 |
| Pennsylvania | 24.68 | 25.94 | 26.68 | 28.11 | 29.77 | 27.04 |
| Rhode Island | 27.51 | 28.96 | 29.87 | 31.03 | 32.02 | 29.88 |
| South Carolina | 21.34 | 22.22 | 22.83 | 24.35 | 26.08 | 23.36 |
| South Dakota | 20.63 | 21.62 | 22.50 | 23.99 | 25.59 | 22.87 |
| Tennessee | 21.95 | 22.85 | 23.72 | 25.39 | 26.94 | 24.17 |
| Texas | 24.27 | 25.19 | 26.07 | 27.55 | 29.44 | 26.50 |
| Utah | 23.76 | 24.73 | 25.67 | 27.58 | 29.36 | 26.22 |
| Vermont | 24.58 | 25.68 | 26.66 | 28.46 | 30.18 | 27.11 |
| Virginia | 27.28 | 28.92 | 29.97 | 31.54 | 33.68 | 30.28 |
| **Washington** | **29.82** | **32.15** | **33.05** | **34.79** | **37.56** | **33.47** |
| West Virginia | 20.88 | 21.82 | 22.35 | 23.64 | 25.10 | 22.76 |
| Wisconsin | 23.49 | 24.64 | 25.54 | 26.98 | 28.61 | 25.85 |
| Wyoming | 23.92 | 24.61 | 25.05 | 26.17 | 27.85 | 25.52 |
| U.S. Average * | 24.53 | 25.75 | 26.62 | 29.76 | 31.48 | 27.63 |
| **Washington's Rank** | **4** | **3** | **3** | **4** | **3** | **3** |

Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics, 2023

Table 3.10
Economic Growth and Competitiveness
**Average Hourly Wages, 2023**
(Dollars)

| | Management SOC 11-0000 | Business and Financial Operations SOC 13-0000 | Computer and Mathematical SOC 15-0000 | Architecture and Engineering SOC 17-0000 | Life, Physical and Social Science SOC 19-0000 | Community and Social Services SOC 21-0000 |
|---|---|---|---|---|---|---|
| Alabama | 56.21 | 38.76 | 46.27 | 48.95 | 35.13 | 23.81 |
| Alaska | 59.74 | 41.82 | 44.70 | 50.99 | 40.12 | 30.94 |
| Arizona | 59.53 | 39.60 | 49.87 | 47.27 | 36.88 | 26.26 |
| Arkansas | 47.14 | 34.62 | 40.78 | 37.34 | 33.98 | 24.86 |
| California | 77.10 | 48.75 | 68.40 | 58.61 | 49.52 | 33.40 |
| Colorado | 74.99 | 44.72 | 58.77 | 50.73 | 44.50 | 29.13 |
| Connecticut | 73.74 | 46.23 | 53.51 | 49.22 | 48.04 | 30.14 |
| Delaware | 76.65 | 45.55 | 56.36 | 45.91 | 43.33 | 26.51 |
| Florida | 62.44 | 40.39 | 48.16 | 43.75 | 35.91 | 25.53 |
| Georgia | 64.69 | 41.37 | 50.06 | 44.43 | 39.12 | 26.91 |
| Hawaii | 58.20 | 38.47 | 46.36 | 44.88 | 36.30 | 27.80 |
| Idaho | 49.00 | 36.06 | 50.75 | 43.85 | 32.35 | 26.53 |
| Illinois | 65.06 | 43.73 | 50.18 | 46.05 | 42.44 | 27.78 |
| Indiana | 56.74 | 37.58 | 42.47 | 41.79 | 36.22 | 24.56 |
| Iowa | 52.12 | 37.20 | 44.97 | 41.84 | 33.21 | 25.07 |
| Kansas | 57.69 | 38.25 | 45.66 | 42.36 | 34.34 | 23.88 |
| Kentucky | 50.95 | 35.27 | 40.77 | 39.06 | 33.57 | 24.15 |
| Louisiana | 54.93 | 35.34 | 45.91 | 45.94 | 37.00 | 24.24 |
| Maine | 55.62 | 39.71 | 43.82 | 42.99 | 36.13 | 26.27 |
| Maryland | 66.34 | 47.20 | 60.49 | 53.39 | 48.16 | 29.90 |
| Massachusetts | 77.15 | 48.93 | 60.65 | 50.93 | 50.96 | 30.09 |
| Michigan | 59.78 | 39.30 | 45.19 | 43.70 | 39.63 | 25.84 |
| Minnesota | 64.47 | 43.04 | 50.78 | 45.43 | 42.81 | 28.76 |
| Mississippi | 46.42 | 33.65 | 36.54 | 39.16 | 34.55 | 21.91 |
| Missouri | 52.62 | 38.97 | 42.67 | 42.94 | 36.94 | 23.84 |
| Montana | 51.67 | 35.60 | 43.21 | 38.62 | 32.90 | 23.37 |
| Nebraska | 54.96 | 35.73 | 44.30 | 39.22 | 33.07 | 25.03 |
| Nevada | 57.65 | 43.50 | 45.49 | 42.78 | 37.11 | 28.10 |
| New Hampshire | 67.81 | 40.78 | 52.58 | 46.46 | 38.20 | 27.11 |
| New Jersey | 83.86 | 50.52 | 57.35 | 50.02 | 45.35 | 32.16 |
| New Mexico | 56.91 | 37.68 | 48.90 | 54.97 | 41.28 | 27.59 |
| New York | 86.07 | 53.43 | 59.76 | 47.67 | 44.09 | 31.95 |
| North Carolina | 63.95 | 42.03 | 52.92 | 41.80 | 39.91 | 25.81 |
| North Dakota | 55.21 | 37.23 | 41.40 | 40.74 | 34.91 | 28.29 |
| Ohio | 56.89 | 38.80 | 46.26 | 44.38 | 38.08 | 26.80 |
| Oklahoma | 52.36 | 36.38 | 42.33 | 44.01 | 35.83 | 24.04 |
| Oregon | 59.96 | 40.33 | 52.78 | 50.74 | 38.02 | 29.39 |
| Pennsylvania | 63.30 | 39.90 | 47.14 | 44.69 | 39.53 | 26.46 |
| Rhode Island | 67.52 | 43.59 | 53.83 | 49.99 | 47.54 | 28.94 |
| South Carolina | 55.89 | 37.94 | 44.86 | 42.55 | 35.29 | 24.14 |
| South Dakota | 59.84 | 37.01 | 40.87 | 38.12 | 30.06 | 23.70 |
| Tennessee | 58.82 | 36.23 | 43.45 | 40.23 | 38.90 | 24.36 |
| Texas | 61.61 | 40.24 | 50.52 | 47.00 | 37.88 | 26.26 |
| Utah | 57.45 | 37.07 | 49.83 | 42.54 | 35.52 | 27.67 |
| Vermont | 54.70 | 39.42 | 47.31 | 44.22 | 34.84 | 26.48 |
| Virginia | 71.71 | 51.94 | 58.95 | 49.56 | 46.86 | 27.87 |
| **Washington** | **77.73** | **47.81** | **65.99** | **52.04** | **43.72** | **30.94** |
| West Virginia | 49.54 | 35.28 | 41.79 | 41.34 | 34.01 | 22.23 |
| Wisconsin | 63.67 | 38.57 | 43.93 | 40.56 | 37.07 | 27.53 |
| Wyoming | 53.25 | 40.95 | 43.64 | 43.30 | 35.02 | 27.29 |
| U.S. Average | 66.23 | 43.55 | 54.39 | 47.64 | 42.24 | 28.36 |
| **Washington's Rank** | **3** | **6** | **2** | **4** | **10** | **4** |

Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics (www.bls.gov), 2023

Table 3.10 (continued)
Economic Growth and Competitiveness
**Average Hourly Wages, 2023**
(Dollars)

| | Legal SOC 23-0000 | Education, Training, and Library SOC 25-0000 | Arts, Design, Entertainment, Sports, and Media SOC 27-0000 | Healthcare Practitioners and Technical SOC 29-0000 | Healthcare Support SOC 31-0000 | Protective Service SOC 33-0000 |
|---|---|---|---|---|---|---|
| Alabama | 48.23 | 26.81 | 26.49 | 37.29 | 15.25 | 21.62 |
| Alaska | 46.03 | 36.23 | 27.42 | 55.54 | 22.48 | 32.85 |
| Arizona | 49.95 | 28.91 | 28.68 | 49.44 | 18.85 | 27.17 |
| Arkansas | 44.32 | 26.45 | 23.76 | 37.50 | 16.04 | 21.51 |
| California | 74.00 | 38.91 | 46.72 | 61.54 | 19.37 | 33.33 |
| Colorado | 63.04 | 29.63 | 41.55 | 50.09 | 20.78 | 30.59 |
| Connecticut | 63.46 | 37.79 | 37.40 | 55.54 | 20.12 | 30.11 |
| Delaware | 68.47 | 29.86 | 29.14 | 50.55 | 17.94 | 26.64 |
| Florida | 50.39 | 27.57 | 30.07 | 46.49 | 18.65 | 26.52 |
| Georgia | 56.02 | 29.37 | 33.56 | 47.28 | 17.41 | 23.63 |
| Hawaii | 42.56 | 28.69 | 34.43 | 60.49 | 24.99 | 28.66 |
| Idaho | 37.43 | 26.25 | 25.10 | 43.03 | 17.22 | 26.63 |
| Illinois | 60.24 | 30.96 | 35.92 | 46.48 | 19.22 | 30.36 |
| Indiana | 48.81 | 27.76 | 25.29 | 46.41 | 17.93 | 24.91 |
| Iowa | 41.69 | 25.94 | 27.29 | 42.44 | 18.60 | 26.10 |
| Kansas | 43.49 | 24.92 | 26.74 | 41.44 | 16.57 | 24.21 |
| Kentucky | 39.53 | 27.14 | 25.81 | 42.57 | 17.60 | 20.73 |
| Louisiana | 45.45 | 27.24 | 35.21 | 40.12 | 13.87 | 20.89 |
| Maine | 41.36 | 28.64 | 27.65 | 47.92 | 19.54 | 25.27 |
| Maryland | 57.30 | 35.18 | 35.26 | 53.51 | 19.99 | 30.14 |
| Massachusetts | 75.72 | 38.48 | 39.28 | 55.70 | 20.66 | 32.11 |
| Michigan | 47.62 | 29.73 | 27.56 | 46.03 | 17.73 | 25.60 |
| Minnesota | 59.46 | 29.65 | 31.56 | 52.82 | 18.79 | 30.00 |
| Mississippi | 37.35 | 23.51 | 24.07 | 38.69 | 14.42 | 18.69 |
| Missouri | 51.84 | 28.16 | 31.76 | 41.98 | 16.55 | 24.98 |
| Montana | 37.66 | 27.38 | 29.30 | 45.85 | 18.28 | 27.17 |
| Nebraska | 45.23 | 29.96 | 25.99 | 44.96 | 18.28 | 27.62 |
| Nevada | 57.50 | 27.55 | 33.47 | 49.09 | 20.07 | 25.18 |
| New Hampshire | 46.41 | 30.05 | 29.49 | 52.28 | 20.45 | 27.91 |
| New Jersey | 63.51 | 34.53 | 38.48 | 52.42 | 19.56 | 32.30 |
| New Mexico | 41.45 | 30.37 | 30.33 | 48.61 | 15.50 | 24.42 |
| New York | 74.71 | 39.79 | 49.49 | 53.94 | 19.54 | 30.20 |
| North Carolina | 49.41 | 26.71 | 29.72 | 44.30 | 17.54 | 22.83 |
| North Dakota | 45.48 | 27.67 | 24.76 | 42.27 | 19.68 | 27.33 |
| Ohio | 49.54 | 31.65 | 28.64 | 46.29 | 17.77 | 26.36 |
| Oklahoma | 42.36 | 24.30 | 25.75 | 44.62 | 16.17 | 23.96 |
| Oregon | 52.42 | 35.01 | 35.47 | 58.59 | 22.04 | 30.23 |
| Pennsylvania | 52.62 | 32.99 | 29.64 | 46.71 | 16.89 | 26.98 |
| Rhode Island | 60.13 | 35.18 | 35.25 | 49.96 | 20.76 | 29.45 |
| South Carolina | 41.08 | 27.42 | 25.92 | 44.06 | 16.89 | 21.76 |
| South Dakota | 41.14 | 22.70 | 22.44 | 40.79 | 18.22 | 24.29 |
| Tennessee | 51.05 | 26.92 | 27.28 | 44.14 | 17.32 | 22.64 |
| Texas | 59.37 | 29.39 | 31.71 | 45.45 | 15.08 | 25.80 |
| Utah | 43.58 | 28.30 | 29.29 | 44.10 | 18.96 | 26.08 |
| Vermont | 42.20 | 30.60 | 30.75 | 47.72 | 18.91 | 26.68 |
| Virginia | 58.10 | 31.19 | 32.53 | 47.33 | 17.62 | 27.14 |
| **Washington** | **58.33** | **35.39** | **38.63** | **58.05** | **22.57** | **33.11** |
| West Virginia | 41.14 | 27.38 | 23.50 | 41.24 | 15.25 | 20.70 |
| Wisconsin | 50.92 | 28.97 | 26.73 | 50.96 | 17.89 | 27.54 |
| Wyoming | 36.45 | 25.99 | 28.80 | 46.82 | 18.50 | 25.38 |
| U.S. Average | 59.87 | 31.92 | 36.31 | 49.07 | 18.37 | 27.74 |
| **Washington's Rank** | **12** | **6** | **5** | **4** | **2** | **2** |

Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics, 2023

Table 3.10 (continued)
Economic Growth and Competitiveness

**Average Hourly Wages, 2023**

(Dollars)

| | Food Preparation and Serving Related SOC 35-0000 | Building and Grounds Cleaning and Maintenance SOC 37-0000 | Personal Care and Service SOC 39-0000 | Sales and Related SOC 41-0000 | Office and Administrative Support SOC 43-0000 | Farming, Fishing, and Forestry SOC 45-0000 |
|---|---|---|---|---|---|---|
| Alabama | 12.92 | 15.28 | 14.72 | 20.75 | 19.66 | 20.54 |
| Alaska | 17.62 | 19.48 | 21.32 | 22.24 | 24.90 | 24.21 |
| Arizona | 18.70 | 17.97 | 19.70 | 24.76 | 22.74 | 18.19 |
| Arkansas | 14.01 | 15.08 | 15.33 | 20.41 | 19.65 | 18.85 |
| California | 19.37 | 21.40 | 21.23 | 28.68 | 26.42 | 18.55 |
| Colorado | 19.02 | 20.12 | 21.06 | 31.08 | 24.73 | 20.84 |
| Connecticut | 18.73 | 20.51 | 20.58 | 26.70 | 26.05 | 20.30 |
| Delaware | 16.49 | 18.12 | 17.82 | 24.37 | 23.46 | 19.19 |
| Florida | 16.42 | 17.10 | 17.30 | 24.66 | 21.76 | 16.58 |
| Georgia | 14.22 | 16.46 | 16.12 | 24.22 | 21.21 | 20.95 |
| Hawaii | 19.56 | 21.49 | 21.24 | 23.42 | 23.57 | 21.11 |
| Idaho | 14.42 | 17.58 | 16.49 | 23.51 | 20.32 | 20.65 |
| Illinois | 16.92 | 19.06 | 19.20 | 26.59 | 23.38 | 21.13 |
| Indiana | 14.40 | 17.28 | 16.48 | 22.88 | 21.48 | 20.35 |
| Iowa | 14.64 | 17.38 | 15.98 | 22.19 | 21.84 | 21.16 |
| Kansas | 14.66 | 16.68 | 15.43 | 24.18 | 20.62 | 19.11 |
| Kentucky | 13.84 | 15.94 | 15.65 | 21.38 | 20.41 | 18.77 |
| Louisiana | 13.18 | 14.12 | 14.73 | 19.36 | 19.42 | 22.62 |
| Maine | 19.00 | 19.31 | 18.79 | 23.38 | 22.48 | 21.46 |
| Maryland | 17.51 | 18.66 | 19.03 | 23.91 | 24.30 | 20.11 |
| Massachusetts | 19.36 | 22.23 | 21.58 | 29.36 | 26.80 | 22.35 |
| Michigan | 16.24 | 17.93 | 17.40 | 24.54 | 22.20 | 20.51 |
| Minnesota | 15.80 | 19.67 | 19.05 | 26.51 | 24.65 | 22.15 |
| Mississippi | 12.33 | 13.85 | 16.04 | 17.86 | 18.53 | 19.79 |
| Missouri | 15.92 | 16.98 | 16.60 | 22.60 | 21.57 | 18.78 |
| Montana | 14.30 | 18.27 | 16.39 | 23.10 | 20.96 | 20.93 |
| Nebraska | 15.43 | 17.12 | 15.85 | 22.51 | 21.08 | 21.51 |
| Nevada | 16.27 | 18.83 | 17.29 | 21.05 | 21.79 | 20.05 |
| New Hampshire | 17.25 | 19.83 | 17.78 | 26.75 | 23.58 | 19.64 |
| New Jersey | 19.42 | 20.04 | 20.16 | 30.06 | 25.00 | 19.07 |
| New Mexico | 15.36 | 16.43 | 16.59 | 19.93 | 20.41 | 17.10 |
| New York | 20.56 | 21.77 | 21.64 | 35.04 | 26.60 | 20.92 |
| North Carolina | 14.57 | 16.35 | 17.01 | 25.00 | 21.27 | 19.16 |
| North Dakota | 16.06 | 18.35 | 16.60 | 23.28 | 22.75 | 22.79 |
| Ohio | 15.05 | 17.30 | 16.98 | 23.55 | 21.95 | 21.33 |
| Oklahoma | 13.01 | 15.00 | 15.18 | 21.16 | 20.33 | 19.19 |
| Oregon | 17.32 | 19.41 | 19.80 | 24.67 | 23.63 | 20.62 |
| Pennsylvania | 15.17 | 18.03 | 16.95 | 24.25 | 22.50 | 20.00 |
| Rhode Island | 18.26 | 20.27 | 18.64 | 26.93 | 23.92 | 19.95 |
| South Carolina | 13.45 | 15.94 | 15.93 | 21.79 | 20.31 | 19.81 |
| South Dakota | 14.54 | 16.55 | 16.12 | 24.33 | 19.66 | 19.15 |
| Tennessee | 14.53 | 16.54 | 15.74 | 21.47 | 21.43 | 18.35 |
| Texas | 14.30 | 15.82 | 16.20 | 24.07 | 21.63 | 18.30 |
| Utah | 15.60 | 17.60 | 18.13 | 24.90 | 21.78 | 20.11 |
| Vermont | 21.01 | 20.02 | 20.09 | 24.22 | 23.21 | 21.87 |
| Virginia | 16.70 | 17.37 | 18.59 | 25.27 | 22.51 | 20.89 |
| **Washington** | **21.64** | **21.73** | **24.52** | **29.73** | **26.66** | **20.99** |
| West Virginia | 13.73 | 14.86 | 16.17 | 17.48 | 18.93 | 18.87 |
| Wisconsin | 14.96 | 17.77 | 17.69 | 24.63 | 22.21 | 19.42 |
| Wyoming | 14.99 | 17.41 | 16.56 | 21.65 | 20.76 | 18.05 |
| U.S. Average | 16.58 | 18.43 | 18.48 | 25.62 | 23.05 | 19.22 |
| **Washington's Rank** | **1** | **3** | **1** | **4** | **2** | **13** |

Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics (www.bls.gov), 2023

Table 3.10 (continued)
Economic Growth and Competitiveness
**Average Hourly Wages, 2023**
(Dollars)

| | Construction and Extraction SOC 47-0000 | Installation, Maintenance, and Repair SOC 49-0000 | Production SOC 51-0000 | Transportation and Material Moving SOC 53-0000 |
|---|---|---|---|---|
| Alabama | 23.52 | 26.67 | 20.98 | 19.32 |
| Alaska | 35.89 | 34.49 | 28.65 | 31.36 |
| Arizona | 27.16 | 26.91 | 23.25 | 22.12 |
| Arkansas | 22.31 | 24.41 | 20.37 | 20.25 |
| California | 35.69 | 32.19 | 24.69 | 24.04 |
| Colorado | 29.11 | 30.08 | 24.72 | 24.77 |
| Connecticut | 32.24 | 30.54 | 26.02 | 21.99 |
| Delaware | 29.48 | 29.56 | 22.19 | 22.60 |
| Florida | 24.65 | 25.37 | 20.76 | 21.41 |
| Georgia | 25.23 | 26.78 | 21.09 | 22.26 |
| Hawaii | 38.35 | 32.30 | 26.00 | 28.95 |
| Idaho | 25.12 | 25.71 | 21.95 | 21.40 |
| Illinois | 36.99 | 29.21 | 22.83 | 23.70 |
| Indiana | 29.48 | 27.69 | 22.94 | 21.43 |
| Iowa | 27.86 | 27.03 | 22.62 | 21.91 |
| Kansas | 26.45 | 27.21 | 23.15 | 21.64 |
| Kentucky | 25.79 | 26.64 | 22.43 | 23.30 |
| Louisiana | 25.36 | 26.47 | 26.90 | 21.33 |
| Maine | 26.95 | 27.62 | 23.55 | 21.23 |
| Maryland | 29.10 | 29.58 | 24.48 | 22.75 |
| Massachusetts | 38.04 | 32.05 | 24.91 | 24.08 |
| Michigan | 29.13 | 27.16 | 22.57 | 21.74 |
| Minnesota | 33.93 | 29.39 | 23.81 | 23.90 |
| Mississippi | 23.30 | 24.18 | 20.51 | 19.54 |
| Missouri | 29.97 | 26.85 | 22.34 | 21.10 |
| Montana | 28.36 | 26.90 | 23.69 | 22.10 |
| Nebraska | 26.17 | 26.76 | 22.36 | 22.42 |
| Nevada | 31.51 | 28.78 | 22.10 | 22.38 |
| New Hampshire | 28.56 | 28.83 | 24.30 | 21.25 |
| New Jersey | 37.43 | 30.67 | 23.48 | 22.76 |
| New Mexico | 25.03 | 24.59 | 22.46 | 20.90 |
| New York | 35.36 | 31.14 | 24.09 | 26.00 |
| North Carolina | 24.51 | 26.37 | 21.13 | 19.66 |
| North Dakota | 30.89 | 30.42 | 26.08 | 24.82 |
| Ohio | 29.34 | 26.93 | 22.24 | 21.15 |
| Oklahoma | 25.21 | 25.99 | 22.32 | 19.78 |
| Oregon | 33.05 | 29.56 | 23.93 | 22.74 |
| Pennsylvania | 29.72 | 27.50 | 23.13 | 22.01 |
| Rhode Island | 32.28 | 29.01 | 24.34 | 21.29 |
| South Carolina | 23.98 | 25.21 | 22.19 | 19.45 |
| South Dakota | 24.08 | 27.27 | 21.41 | 20.23 |
| Tennessee | 24.73 | 25.66 | 21.22 | 20.70 |
| Texas | 25.13 | 26.65 | 22.35 | 21.81 |
| Utah | 26.70 | 27.19 | 22.49 | 23.10 |
| Vermont | 26.92 | 27.81 | 22.84 | 21.24 |
| Virginia | 26.38 | 27.85 | 22.83 | 22.71 |
| **Washington** | **37.17** | **32.81** | **27.06** | **27.17** |
| West Virginia | 26.80 | 24.86 | 22.23 | 19.14 |
| Wisconsin | 30.83 | 27.98 | 23.07 | 21.51 |
| Wyoming | 28.31 | 29.69 | 30.32 | 24.19 |
| U.S. Average | 29.57 | 28.13 | 22.90 | 22.45 |
| **Washington's Rank** | **4** | **2** | **3** | **3** |

Source: "Occupational Employment Statistics," US Department of Commerce, Bureau of Labor Statistics (www.bls.gov), 2023

Table 3.11
Economic Growth and Competitiveness
**Per Capita Real GDP**
(Chained 2017 Dollars)

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 44,958 | 44,135 | 45,916 | 46,475 | 47,324 | 45,762 |
| Alaska | 71,208 | 68,686 | 69,425 | 68,617 | 72,274 | 70,042 |
| Arizona | 50,866 | 50,455 | 53,737 | 54,778 | 55,747 | 53,116 |
| Arkansas | 42,345 | 42,484 | 44,765 | 45,088 | 45,892 | 44,115 |
| California | 74,916 | 74,048 | 80,372 | 81,132 | 82,975 | 78,689 |
| Colorado | 66,876 | 65,844 | 70,026 | 71,240 | 72,826 | 69,362 |
| Connecticut | 76,021 | 72,290 | 74,603 | 76,667 | 78,094 | 75,535 |
| Delaware | 76,019 | 73,146 | 74,075 | 73,738 | 71,968 | 73,789 |
| Florida | 50,541 | 49,482 | 53,355 | 54,772 | 56,571 | 52,944 |
| Georgia | 58,329 | 56,122 | 59,241 | 60,095 | 59,942 | 58,746 |
| Hawaii | 61,045 | 54,847 | 58,145 | 59,199 | 60,543 | 58,756 |
| Idaho | 44,944 | 44,783 | 46,202 | 47,284 | 48,309 | 46,304 |
| Illinois | 66,768 | 63,345 | 67,197 | 68,680 | 69,768 | 67,152 |
| Indiana | 54,874 | 52,906 | 56,364 | 57,962 | 58,505 | 56,122 |
| Iowa | 59,148 | 58,647 | 62,062 | 61,833 | 62,501 | 60,838 |
| Kansas | 58,066 | 57,363 | 58,830 | 59,520 | 62,012 | 59,158 |
| Kentucky | 47,073 | 45,759 | 47,601 | 48,225 | 49,763 | 47,684 |
| Louisiana | 52,816 | 49,188 | 50,575 | 50,406 | 52,079 | 51,013 |
| Maine | 48,878 | 49,410 | 51,400 | 52,121 | 52,862 | 50,934 |
| Maryland | 65,277 | 62,934 | 65,733 | 66,886 | 68,120 | 65,790 |
| Massachusetts | 80,766 | 79,483 | 84,656 | 86,550 | 87,861 | 83,863 |
| Michigan | 51,383 | 49,896 | 52,948 | 53,811 | 54,574 | 52,522 |
| Minnesota | 64,833 | 62,713 | 65,536 | 66,344 | 66,857 | 65,257 |
| Mississippi | 37,231 | 37,146 | 38,717 | 38,842 | 39,103 | 38,208 |
| Missouri | 52,232 | 51,228 | 53,500 | 54,495 | 55,537 | 53,398 |
| Montana | 46,788 | 46,136 | 47,861 | 48,076 | 48,722 | 47,517 |
| Nebraska | 65,211 | 64,632 | 67,963 | 69,651 | 72,879 | 68,067 |
| Nevada | 57,274 | 53,210 | 57,555 | 58,924 | 60,177 | 57,428 |
| New Hampshire | 61,255 | 60,334 | 64,786 | 64,439 | 65,086 | 63,180 |
| New Jersey | 66,651 | 64,274 | 67,861 | 69,835 | 70,659 | 67,856 |
| New Mexico | 47,602 | 46,029 | 47,036 | 47,938 | 49,879 | 47,697 |
| New York | 84,548 | 82,099 | 86,855 | 89,641 | 90,731 | 86,775 |
| North Carolina | 54,816 | 54,028 | 56,526 | 56,943 | 57,744 | 56,011 |
| North Dakota | 76,164 | 71,449 | 71,211 | 70,353 | 74,005 | 72,636 |
| Ohio | 57,185 | 55,481 | 58,325 | 58,648 | 59,242 | 57,776 |
| Oklahoma | 50,576 | 48,106 | 48,481 | 47,666 | 49,745 | 48,915 |
| Oregon | 56,905 | 55,988 | 58,758 | 60,082 | 61,443 | 58,635 |
| Pennsylvania | 59,464 | 56,671 | 58,754 | 59,538 | 60,910 | 59,068 |
| Rhode Island | 54,696 | 53,040 | 55,399 | 56,855 | 57,641 | 55,526 |
| South Carolina | 46,777 | 45,539 | 47,143 | 47,487 | 48,372 | 47,064 |
| South Dakota | 59,331 | 59,348 | 61,520 | 60,404 | 61,251 | 60,371 |
| Tennessee | 53,930 | 52,924 | 56,949 | 58,463 | 59,694 | 56,392 |
| Texas | 62,476 | 60,620 | 63,376 | 64,070 | 66,646 | 63,438 |
| Utah | 59,609 | 59,304 | 62,880 | 63,260 | 64,130 | 61,837 |
| Vermont | 51,738 | 50,249 | 52,328 | 53,483 | 54,171 | 52,394 |
| Virginia | 62,935 | 61,806 | 65,019 | 66,477 | 67,786 | 64,804 |
| **Washington** | **77,098** | **76,432** | **81,486** | **82,362** | **86,028** | **80,681** |
| West Virginia | 42,649 | 41,278 | 42,303 | 43,136 | 45,272 | 42,928 |
| Wisconsin | 56,750 | 54,772 | 56,891 | 56,988 | 56,922 | 56,464 |
| Wyoming | 67,018 | 62,634 | 63,721 | 64,120 | 67,326 | 64,964 |
| 50 State Average | 62,659 | 61,033 | 64,471 | 65,478 | 66,814 | 64,091 |
| **Washington's Rank** | **3** | **3** | **3** | **3** | **3** | **3** |

Source: Bureau of Economic Analysis, 2023

Table 3.12
Economic Growth and Competitiveness
**Labor Force Participation Rate**

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 57.7 | 57.3 | 56.6 | 56.9 | 57.2 | 57.1 |
| Alaska | 64.8 | 63.7 | 64.5 | 64.8 | 65.1 | 64.6 |
| Arizona | 62.0 | 61.2 | 61.2 | 61.5 | 62.1 | 61.6 |
| Arkansas | 58.6 | 57.9 | 56.5 | 57.3 | 57.5 | 57.6 |
| California | 62.5 | 60.9 | 61.1 | 61.8 | 62.0 | 61.7 |
| Colorado | 68.6 | 67.4 | 68.1 | 68.2 | 68.4 | 68.1 |
| Connecticut | 66.9 | 65.1 | 63.0 | 65.2 | 64.2 | 64.9 |
| Delaware | 61.9 | 61.2 | 61.3 | 60.7 | 60.9 | 61.2 |
| Florida | 59.4 | 57.7 | 58.2 | 59.1 | 59.6 | 58.8 |
| Georgia | 62.8 | 61.2 | 61.6 | 61.6 | 61.6 | 61.8 |
| Hawaii | 60.9 | 59.0 | 59.6 | 59.9 | 60.2 | 59.9 |
| Idaho | 64.4 | 63.2 | 62.9 | 62.9 | 62.8 | 63.2 |
| Illinois | 64.9 | 63.0 | 62.9 | 64.1 | 64.2 | 63.8 |
| Indiana | 64.5 | 62.8 | 62.8 | 63.2 | 63.3 | 63.3 |
| Iowa | 70.3 | 67.4 | 67.1 | 68.0 | 67.7 | 68.1 |
| Kansas | 66.8 | 66.4 | 66.5 | 66.5 | 66.6 | 66.6 |
| Kentucky | 58.9 | 57.2 | 57.1 | 57.6 | 57.1 | 57.6 |
| Louisiana | 58.8 | 57.6 | 57.7 | 58.4 | 58.6 | 58.2 |
| Maine | 62.7 | 59.9 | 60.4 | 59.1 | 59.2 | 60.3 |
| Maryland | 68.6 | 66.4 | 64.8 | 64.8 | 65.1 | 65.9 |
| Massachusetts | 66.9 | 65.2 | 65.1 | 65.2 | 65.1 | 65.5 |
| Michigan | 61.7 | 60.1 | 59.4 | 60.4 | 61.9 | 60.7 |
| Minnesota | 70.3 | 69.7 | 67.9 | 68.2 | 68.4 | 68.9 |
| Mississippi | 56.0 | 54.6 | 55.1 | 54.9 | 54.0 | 54.9 |
| Missouri | 63.8 | 62.9 | 62.5 | 62.4 | 63.1 | 62.9 |
| Montana | 63.5 | 62.7 | 62.3 | 62.9 | 63.1 | 62.9 |
| Nebraska | 70.2 | 69.5 | 69.2 | 69.3 | 69.1 | 69.5 |
| Nevada | 64.0 | 61.2 | 60.2 | 61.6 | 62.7 | 61.9 |
| New Hampshire | 68.7 | 66.7 | 65.6 | 65.6 | 65.1 | 66.3 |
| New Jersey | 63.8 | 62.9 | 62.9 | 64.0 | 64.9 | 63.7 |
| New Mexico | 58.6 | 56.5 | 56.4 | 56.5 | 57.3 | 57.1 |
| New York | 60.8 | 59.1 | 59.4 | 60.2 | 61.1 | 60.1 |
| North Carolina | 61.5 | 59.0 | 59.4 | 61.1 | 61.0 | 60.4 |
| North Dakota | 70.0 | 69.2 | 68.5 | 69.0 | 69.2 | 69.2 |
| Ohio | 63.1 | 61.5 | 61.4 | 61.5 | 61.8 | 61.9 |
| Oklahoma | 61.0 | 60.5 | 61.1 | 61.8 | 62.9 | 61.5 |
| Oregon | 61.6 | 61.3 | 62.1 | 62.5 | 62.4 | 62.0 |
| Pennsylvania | 63.0 | 62.2 | 61.4 | 61.8 | 62.2 | 62.1 |
| Rhode Island | 64.2 | 63.3 | 63.8 | 63.6 | 63.6 | 63.7 |
| South Carolina | 58.0 | 57.4 | 57.4 | 57.1 | 57.4 | 57.5 |
| South Dakota | 68.9 | 68.4 | 68.7 | 68.4 | 68.2 | 68.5 |
| Tennessee | 61.9 | 60.5 | 60.4 | 60.4 | 59.8 | 60.6 |
| Texas | 63.7 | 62.7 | 63.6 | 64.1 | 64.5 | 63.7 |
| Utah | 68.4 | 67.9 | 68.0 | 68.8 | 69.5 | 68.5 |
| Vermont | 66.9 | 63.8 | 62.4 | 63.6 | 64.7 | 64.3 |
| Virginia | 66.3 | 64.6 | 63.6 | 65.0 | 66.4 | 65.2 |
| **Washington** | **65.2** | **64.4** | **63.0** | **64.0** | **64.3** | **64.2** |
| West Virginia | 54.8 | 54.1 | 53.8 | 54.4 | 54.9 | 54.4 |
| Wisconsin | 66.8 | 66.2 | 66.1 | 65.5 | 65.8 | 66.1 |
| Wyoming | 65.8 | 65.3 | 63.7 | 64.0 | 63.9 | 64.5 |
| U.S. Average * | 63.1 | 61.7 | 61.7 | 62.2 | 62.6 | 62.3 |
| **Washington's Rank** | **17** | **16** | **18** | **18** | **18** | **18** |

Source: U.S. Department of Labor, Bureau of Labor Statistics, 2023

# Chapter 4: Quality of Life – Summary

- **Washington's rank improved from 16th to 15th place in the nation in *Quality of Life* this year.**
- **The state's rank relative to other states improved in two indicators, worsened in one, and was unchanged in one. Six indicators were not updated[1].**

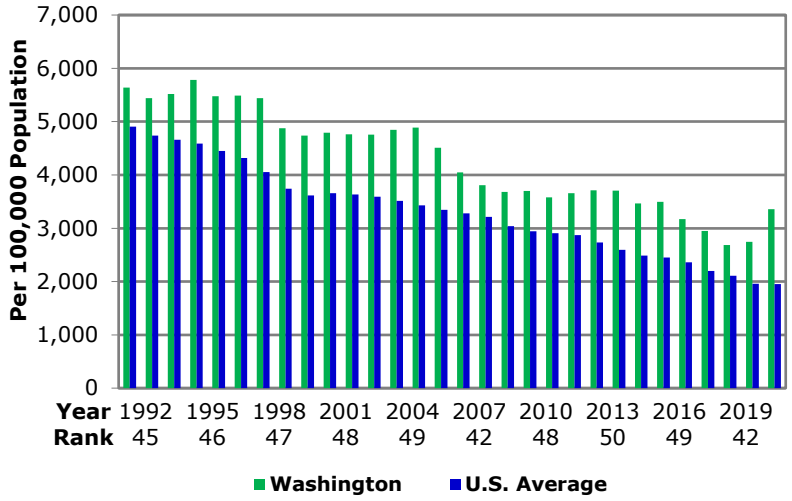
## Property Crime, Violent Crime Rate, Arrests Per Violent Crime

*The FBI generates consistent criminal statistics across states*

Due to former discrepancies including variable reporting methods, crime definitions, multiple reports for different arrests, charges and convictions for a crime, the International Association of Chiefs of Police established the Uniform Crime Reporting (UCR) program. Reported by the U.S. Federal Bureau of Investigation (FBI), the program's primary objective is to generate a reliable set of criminal statistics by mandating specific reporting requirements and criteria for gathering data.

[1] The 2023 Economic Climate Study was compiled later in the year than usual. National data that are released late in the year and normally used in the next year's study were captured in the 2023 study. Those indicators are not updated for the 2024 study. They are: property crime, violent crime rate, arrests per violent crime, air quality, toxins released, and state health index.

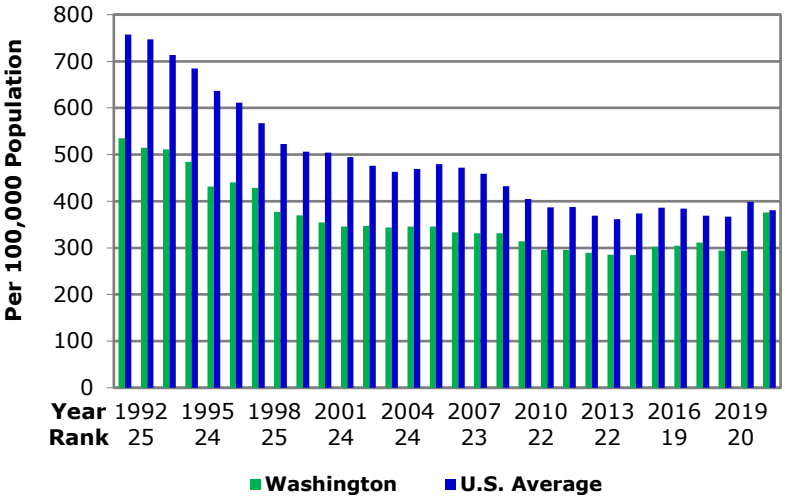
**Figure 4.1: Property Crime Rate**




Source: U.S. Department of Justice. Federal Bureau of Investigation; data through 2022

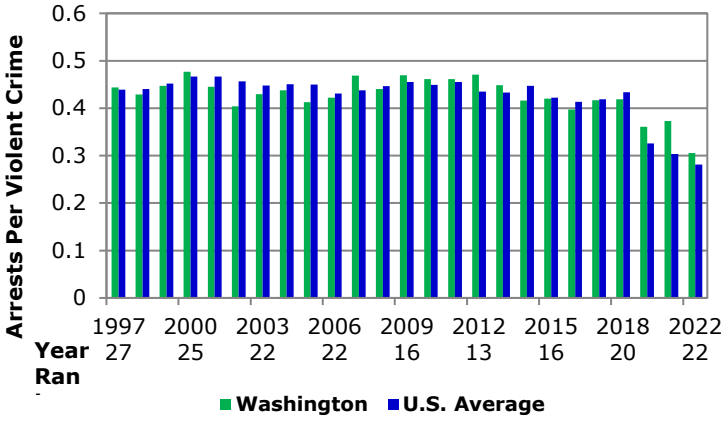
Nationwide this statistical effort includes data from over 17,000 cities, counties, and state law enforcement agencies, with data in this report going back to 1991. Note that, due to a change in data collection systems, 2021 data suffered from underreporting from several states and therefore has not been included.

**Figure 4.2: Violent Crime Rate**




Source: U.S. Department of Justice. Federal Bureau of Investigation; data through 2022

**Figure 4.3: Arrests per Violent Crime**




Source: U.S. Department of Justice. Federal Bureau of Investigation; data through 2022

*Washington's violent crimes rank decreased to 28th*

*Property crime fell to 50th while the arrest rate decreased to 22nd*

Washington's violent crime (murder, non-negligent manslaughter, forcible rape, robbery, and aggravated assault) rate, as measured per 100,000 people, increased to 376 in 2022 from 294 in 2020. Washington's 2022 ranking decreased to 28th in the nation, as the national average rate of violent crime decreased from 399 in 2020 to 381 in 2022. The property crime (burglary, larceny-theft, motor vehicle theft, and arson) rate in Washington, also measured per 100,000 people, increased to 3,356 crimes in 2022 from 2,743 crimes in 2020. Washington's rank fell to 50th in the nation for property crime. In Washington there were 0.31 arrests per violent crime in 2022, a decrease of 0.06 from 2020. Washington's rank decreased to 22nd in the nation.

## Air Quality

*The United Health Foundation measures air pollution*

Air quality is measured by the amount of micrograms of fine particles per cubic meter in the air we breathe. The United Health Foundation measures air pollution by particulate matter of 2.5 microns and smaller. The smaller particles are, the more risk there is for health problems. Particulate matter of 2.5 microns or less is known as fine particulate, which is found in smoke and haze.

*Data show the micrograms per cubic meter in each state*

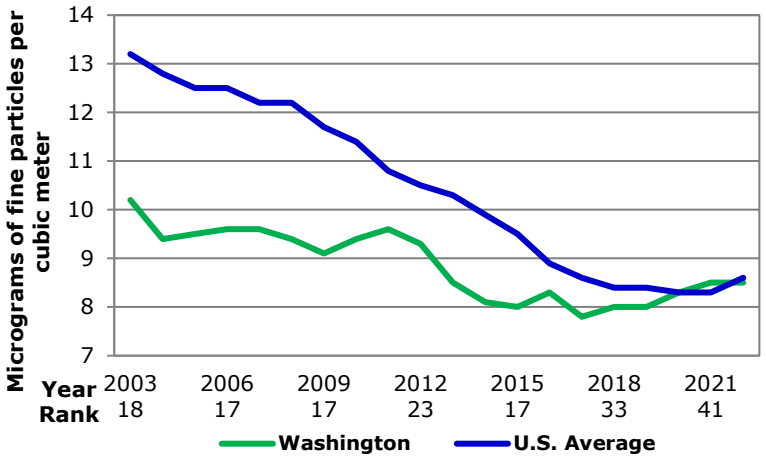
Air pollution is monitored in places where population density is significant or where pollution has been a problem in the past. The average exposure of the general public to fine particles is found by pollution reports provided by each county reporting in a state, which is weighted by population. In counties where pollution data are not available, it is assumed that pollution is

equal to the average of the lowest reported pollution areas in the state or region for each of the last three years. The data report the micrograms of fine particles per cubic meter in each state.

*Washington ranked 37th in the nation for air pollution in 2022*

Washington has experienced yearly increases in air pollution since 2017. In 2022, there were 8.5 micrograms of fine particles per cubic meter in Washington, unchanged from 2021. Washington's ranking improved to 37th in the nation. Washington's five-year average was 8.3 micrograms, ranking 39th in the nation.

**Figure 4.4: Air Quality**



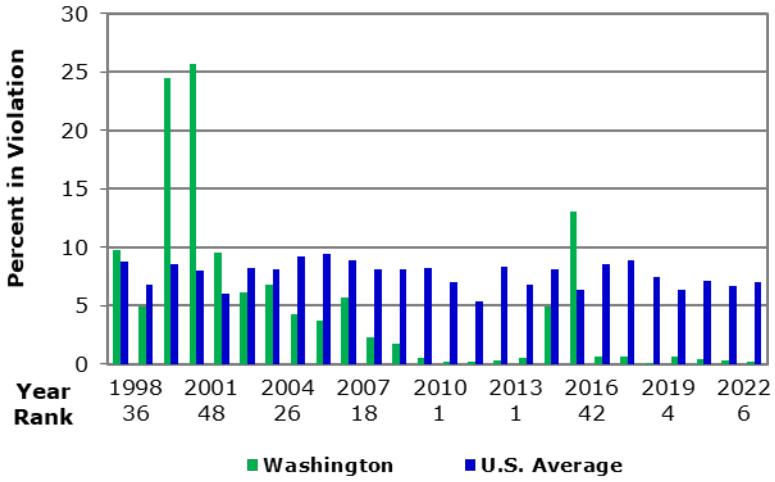

Source: United Health Foundation, America's Health Rankings, Air Pollution; data through 2022

## Drinking Water

*Public water systems must abide by the standards established by the EPA*

Public water systems must abide by the standards established by the Environmental Protection Agency (EPA) under the federal Safe Drinking Water Act (SDWA). These standards are designed to prevent microbial, chemical, and radiological contaminants in drinking water, and to assure the protection of public health if contamination does occur. The number of contaminants regulated by the EPA has risen from 23 in 1986 to over 100 today.

**Figure 4.5: Drinking Water**




Source: U.S. Environmental Protection Agency, Community Public Water Systems Compliance Statistics; data through 2023

*The EPA annually reports the number of systems whose water has violated SDWA standards*

The EPA annually reports the number of systems whose water has violated SDWA standards and the total number of people served by these systems. There are five major categories of violations: Maximum Contaminant Level, Monitoring, Maximum Residual Disinfectant Level, Treatment Technique, and Consumer Confidence and Public/State Notification violations. Each of the violation categories is associated with multiple sub-categories and different Rules, Rule Codes, and Contaminants. The corresponding table, found at the end of the chapter, indicates the percentage of each state's population served by a water system subject to the SDWA that is in violation of any of its rules.

*Washington's rank has been in the top ten since 2018; in 2023 the state ranked 4th in the nation for drinking water*

It is important to note that some states represent very large outliers that will affect the results. In the past 5 years, Washington has experienced little change in its nominal drinking water index and has ranked among the top ten states since 2018. In 2023, Washington's drinking water index decreased from 0.3 percent to 0.2 percent. Washington's rank also increased to 4th from 6th the prior year. The U.S. average for 2023 was 7.0 percent. Washington's five-year average is 0.3 percent, which is below the five-year U.S. average of 6.9 percent.

## Toxins Released

*The EPA reports the amount of toxic chemical releases*

The Toxics Release Inventory (TRI), reported by the U.S. Environmental Protection Agency (EPA), provides the public with information concerning toxic chemical releases from industrial facilities. Each year, facilities that meet certain thresholds must report their releases and other waste management activities for listed toxic chemicals to the EPA and to the state or tribal entity in whose jurisdiction the facility is located.

*Washington doesn't have a widespread presence of high pollutant industries*

Before 1998, only facilities in the manufacturing sector were required to report to TRI. Starting in 1994, federal facilities began to report to TRI and in 1998 seven additional industries were added to the required report list. This is the basis for the dramatic increases in the national average for toxins released in 1998 and beyond. States that housed the newly added reporting industries saw a large jump in toxins released beginning in 1998. Washington never saw a noticeable increase in its TRI reports because many of the added industries, such as metal and coal mining, are not widespread in the state.

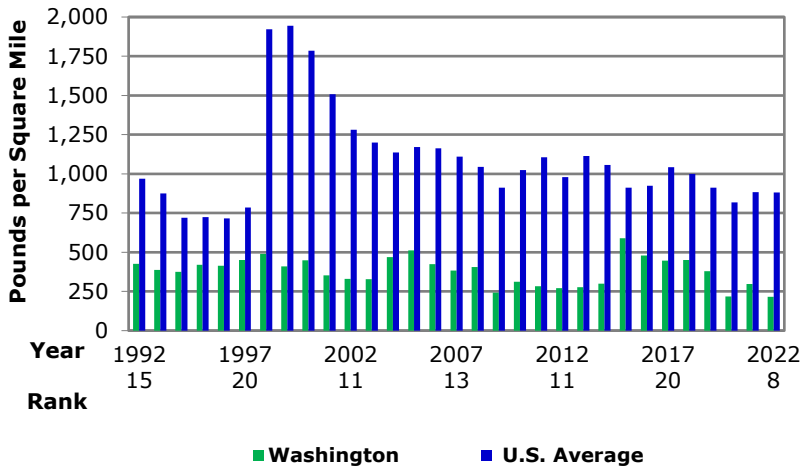
*The U.S. reported a 0.3% percent decrease in toxins in 2022*

In 2022, U.S. industries reported a 0.3 percent decrease in their total releases of toxics, from 3.28 billion pounds to 3.27 billion pounds. This figure includes effluent releases directly into the air, water or land, whether it is on-site or off-site landfills, surface impoundments, land treatment facilities, or underground injection wells.

*Washington's ranking for toxin releases improved from 14th in 2021 to 8th in 2022*

The amount of toxins released in Washington decreased in 2022 to 216 pounds per square mile. This is well below the U.S. average of 880 pounds per square mile. Washington's ranking improved to 8th in the nation. Washington's five-year average is 313 pounds per square mile, and the U.S. average in that same period is 899. Washington's five-year average ranking is 14th in the nation.

**Figure 4.6: Toxins Released**




Source: U.S. Environmental Protection Agency. Office of Pollution Prevention and Toxics; data through 2022

## State Health Index

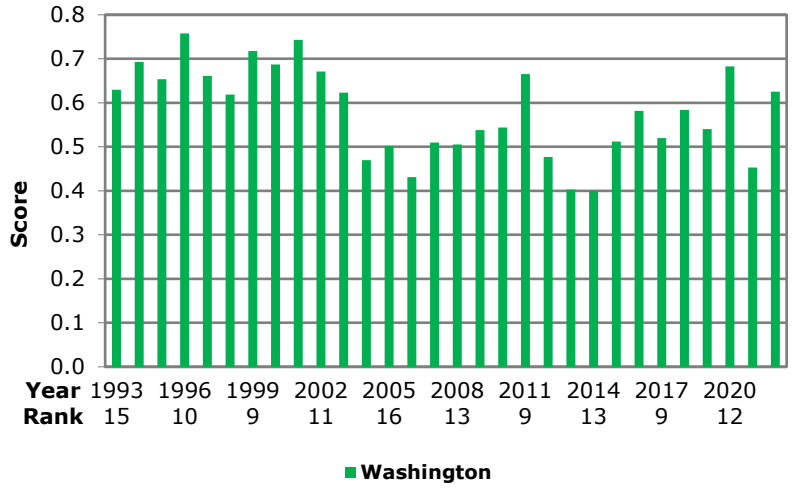
*The United Health Foundation provides a composite health index for each state*

The United Health Foundation America's Health Rankings provide a composite indicator that measures the relative healthiness of each state and the general health of the population in the United States. The measures that comprise America's Health Rankings are of two types – determinants and outcomes. Determinants represent those actions that can affect the future health of the population, whereas outcomes represent what has already occurred. Index values represent scores which are the weighted number of standard deviations a state is above or below the national mean.

*WA's health index rose to 0.63, while the rank rose to 7th in the nation*

Washington's health index rose to 0.63 in 2022. With this increase, Washington's national ranking improved to 7th from 10th in 2021. Over the years, Washington ranks high amongst the other states. The five-year average for the index is 0.58, ranking Washington 8th. According to the United Health Foundation, Washington's strengths were: low economic hardship index score, low household food insecurity and low prevalence of physical inactivity. Washington's challenges were: high prevalence of frequent mental distress, low supply of primary care providers and low percentage of fluoridated water. This data series is not updated for 2023.

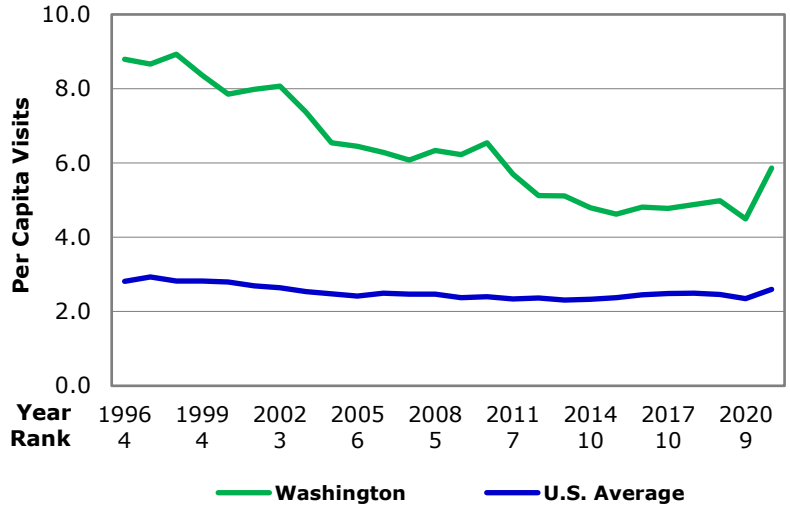
**Figure 4.7: State Health Index**




Source: United Health Foundation, America's Health Rankings; data through 2023

## State Parks and Recreation Areas

**Figure 4.8: State Parks and Recreation Areas**




Source: National Association of State Parks Directors. Washington State Parks and Recreation Commission; data through 2021

*Washington's park system is more than a century old*

Established in 1913, the Washington state park system has provided the public with places to recreate and enjoy for over a century. Washington's park system is one of the most abundant and busiest state park systems in the nation. With over 130 state parks and recreation areas covering about 120,000 acres, Washington ranks 3rd among all 50 states in the number of operating parks and 19th in the amount of park acreage managed.

*Washington's per capita visits increased to its highest level since 2011*

In 2021, the number of per capita park visits was 5.9, the highest since 2011. Washington's ranking improved to 6th in the nation. The U.S. average was 2.6 park visits per capita. Washington's five-year average was 5.0 visits per capita compared to a U.S. average of 2.5. In 2017, complete data for Hawaii was not collected. Absence of these data will affect the U.S. average.

## State Arts

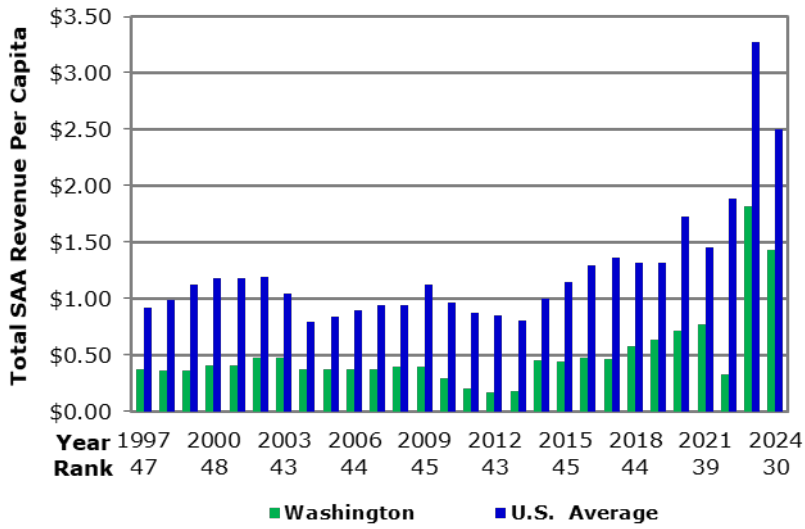
*Measures art agency funding*

The National Assembly of State Arts Agencies (NASAA) reports annual, fiscal year summaries about state art agency revenue. Using data from these fiscal year reports, the State Arts indicator expresses funding for state art programs and allows for state-to-state comparisons. The estimates for total per capita state arts agency revenue that are shown in Table 4.9 are calculated by totaling state legislative appropriations, other state funds, federal funds from sources such as the National Endowment for the Arts (NEA), and other non-federal funds received. Though arts agencies are the primary source of funding, some states also fund the arts through other agencies, such as arts education through the Department of Education; this funding is not included in the data.

*Washington's per capita arts funding decreased from $1.82 per capita in FY2023 to $1.43 in FY2024*

Washington's per capita state arts revenue fell to $1.43 in fiscal year 2024 from $1.82 in fiscal year 2023. This decrease in state arts revenue lowered Washington's ranking to 30th from 26th. Washington's per capita state art revenue has always been lower than the U.S. average. Washington's five-year average is $1.01 per capita compared to the national average at $2.17. In the past five years, Washington has on average ranked 32nd among the 50 states.

**Figure 4.9: State Arts**



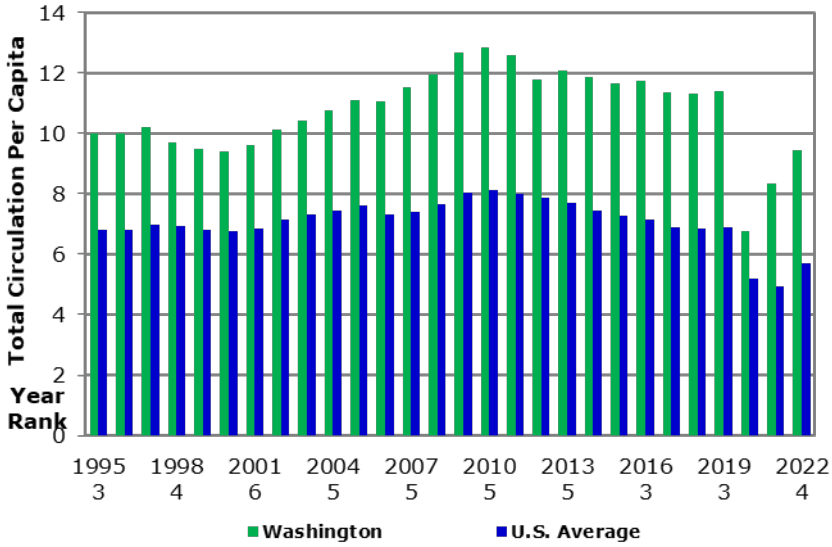

Source: National Assembly of State Arts Agencies; data through FY 2024

## Public Library Service

*Measures the amount of circulation per capita*

The United States Institute of Museum and Library Services administers the Public Library Survey. The survey has been conducted annually since 1988 and monitors the state of public libraries across the nation. In this climate study, the public library service indicator ranks each state's public library service by measuring the amount of circulation (or the amount of media such as books, videos, or musical recordings checked out at each library) per capita.

**Figure 4.10: Public Library Service**




Source: U.S. Institute of Museum and Library Services; data through 2022

*Washington's ranking dropped to 10th in public library usage during 2020, but improved to 4th in*

The United States experienced a significant decline in library usage in 2020 and 2021 due to the pandemic. National circulation per capita dropped to 5.2 in 2020 and 4.9 in 2021 from 6.9 in 2019. Washington experienced a shock to public library service as well, only achieving a circulation rate of 6.8 in 2020. National library usage rebounded slightly, but Washington's usage improved at an even better rate. Washington library use remained below pre-pandemic levels though. Washington has consistently ranked high in the nation for library usage. Except for 2020, Washington ranked in the top 5 in the United States each year since 2013. Washington's average for the past 5 years is 9.5, ranking 5th among the states.

Table 4.1
Quality of Life
**Property Crime Rate**
(Per 100,000 Population)

| | 2017 | 2018 | 2019 | 2020 | 2022 | 2017-22 |
|---|---|---|---|---|---|---|
| Alabama | 2,957 | 2,817 | 2,674 | 2,137 | 1,739 | 2,465 |
| Alaska | 3,542 | 3,301 | 2,911 | 2,261 | 1,789 | 2,761 |
| Arizona | 2,915 | 2,677 | 2,441 | 2,278 | 2,058 | 2,473 |
| Arkansas | 3,079 | 2,913 | 2,858 | 2,613 | 2,452 | 2,783 |
| California | 2,497 | 2,380 | 2,331 | 2,139 | 2,343 | 2,338 |
| Colorado | 2,702 | 2,672 | 2,591 | 2,834 | 3,148 | 2,789 |
| Connecticut | 1,770 | 1,681 | 1,427 | 1,565 | 1,494 | 1,587 |
| Delaware | 2,441 | 2,324 | 2,252 | 1,961 | 1,964 | 2,189 |
| Florida | 2,512 | 2,282 | 2,146 | 1,769 | 1,566 | 2,055 |
| Georgia | 2,860 | 2,574 | 2,376 | 2,007 | 1,691 | 2,302 |
| Hawaii | 2,830 | 2,870 | 2,841 | 2,411 | 2,435 | 2,677 |
| Idaho | 1,635 | 1,461 | 1,220 | 1,112 | 927 | 1,271 |
| Illinois | 2,011 | 1,933 | 1,847 | 1,559 | 1,683 | 1,807 |
| Indiana | 2,417 | 2,179 | 1,971 | 1,783 | 1,544 | 1,979 |
| Iowa | 2,125 | 1,692 | 1,734 | 1,698 | 1,331 | 1,716 |
| Kansas | 2,801 | 2,634 | 2,315 | 2,199 | 1,992 | 2,388 |
| Kentucky | 2,129 | 1,963 | 1,897 | 1,780 | 1,449 | 1,843 |
| Louisiana | 3,367 | 3,276 | 3,162 | 2,884 | 2,754 | 3,089 |
| Maine | 1,507 | 1,358 | 1,246 | 1,156 | 1,213 | 1,296 |
| Maryland | 2,222 | 2,033 | 1,950 | 1,610 | 1,635 | 1,890 |
| Massachusetts | 1,437 | 1,263 | 1,180 | 1,053 | 1,070 | 1,201 |
| Michigan | 1,800 | 1,654 | 1,585 | 1,361 | 1,537 | 1,587 |
| Minnesota | 2,192 | 1,994 | 2,079 | 2,125 | 1,967 | 2,071 |
| Mississippi | 2,734 | 2,403 | 2,376 | 2,102 | 1,747 | 2,272 |
| Missouri | 2,834 | 2,647 | 2,639 | 2,531 | 2,340 | 2,598 |
| Montana | 2,592 | 2,496 | 2,193 | 2,121 | 1,919 | 2,264 |
| Nebraska | 2,274 | 2,080 | 2,039 | 1,909 | 1,889 | 2,038 |
| Nevada | 2,612 | 2,438 | 2,322 | 1,927 | 2,380 | 2,336 |
| New Hampshire | 1,382 | 1,249 | 1,209 | 1,099 | 1,011 | 1,190 |
| New Jersey | 1,556 | 1,405 | 1,336 | 1,158 | 1,417 | 1,374 |
| New Mexico | 3,942 | 3,420 | 3,113 | 2,842 | 2,984 | 3,260 |
| New York | 1,514 | 1,441 | 1,373 | 1,411 | 1,722 | 1,492 |
| North Carolina | 2,545 | 2,494 | 2,357 | 2,227 | 2,064 | 2,337 |
| North Dakota | 2,198 | 2,040 | 1,977 | 2,124 | 1,995 | 2,067 |
| Ohio | 2,419 | 2,177 | 2,056 | 1,850 | 1,783 | 2,057 |
| Oklahoma | 2,876 | 2,875 | 2,845 | 2,706 | 2,332 | 2,727 |
| Oregon | 2,987 | 2,894 | 2,731 | 2,659 | 2,935 | 2,841 |
| Pennsylvania | 1,649 | 1,490 | 1,403 | 1,644 | 1,483 | 1,534 |
| Rhode Island | 1,752 | 1,661 | 1,535 | 1,246 | 1,285 | 1,496 |
| South Carolina | 3,196 | 3,018 | 2,940 | 2,721 | 2,308 | 2,837 |
| South Dakota | 1,876 | 1,729 | 1,771 | 1,957 | 1,737 | 1,814 |
| Tennessee | 2,941 | 2,825 | 2,653 | 2,593 | 2,302 | 2,663 |
| Texas | 2,563 | 2,367 | 2,391 | 2,245 | 2,300 | 2,373 |
| Utah | 2,780 | 2,378 | 2,169 | 2,464 | 1,895 | 2,337 |
| Vermont | 1,437 | 1,283 | 1,424 | 1,217 | 1,671 | 1,406 |
| Virginia | 1,793 | 1,666 | 1,643 | 1,456 | 1,696 | 1,651 |
| **Washington** | **3,174** | **2,946** | **2,682** | **2,743** | **3,356** | **2,980** |
| West Virginia | 1,852 | 1,486 | 1,583 | 1,399 | 1,230 | 1,510 |
| Wisconsin | 1,808 | 1,560 | 1,471 | 1,486 | 1,385 | 1,542 |
| Wyoming | 1,830 | 1,785 | 1,571 | 1,611 | 1,637 | 1,687 |
| United States | 2,363 | 2,200 | 2,110 | 1,958 | 1,951 | 2,116 |
| **Washington's Rank** | **46** | **46** | **42** | **47** | **50** | **48** |

Source: U.S. Department of Justice. Federal Bureau of Investigation. Crime in the United States-Uniform Crime Reports, 2022

Table 4.2
Quality of Life
**Violent Crime Rate**
(Per 100,000 Population)

| | 2017 | 2018 | 2019 | 2020 | 2022 | 2017-22 |
|---|---|---|---|---|---|---|
| Alabama | 524 | 520 | 511 | 454 | 409 | 483 |
| Alaska | 829 | 885 | 867 | 838 | 759 | 836 |
| Arizona | 508 | 475 | 455 | 485 | 432 | 471 |
| Arkansas | 555 | 544 | 585 | 672 | 645 | 600 |
| California | 449 | 447 | 441 | 442 | 500 | 456 |
| Colorado | 368 | 397 | 381 | 423 | 493 | 412 |
| Connecticut | 228 | 207 | 184 | 182 | 150 | 190 |
| Delaware | 453 | 424 | 423 | 432 | 384 | 423 |
| Florida | 408 | 385 | 378 | 384 | 259 | 363 |
| Georgia | 357 | 327 | 341 | 400 | 367 | 358 |
| Hawaii | 251 | 249 | 286 | 254 | 260 | 260 |
| Idaho | 226 | 227 | 224 | 243 | 241 | 232 |
| Illinois | 439 | 404 | 407 | 426 | 287 | 393 |
| Indiana | 399 | 382 | 371 | 358 | 306 | 363 |
| Iowa | 293 | 250 | 267 | 304 | 287 | 280 |
| Kansas | 413 | 439 | 411 | 425 | 415 | 420 |
| Kentucky | 226 | 212 | 217 | 259 | 214 | 226 |
| Louisiana | 557 | 538 | 549 | 639 | 629 | 582 |
| Maine | 121 | 112 | 115 | 109 | 103 | 112 |
| Maryland | 500 | 469 | 454 | 400 | 399 | 444 |
| Massachusetts | 358 | 338 | 328 | 309 | 322 | 331 |
| Michigan | 450 | 449 | 437 | 478 | 461 | 455 |
| Minnesota | 238 | 220 | 236 | 278 | 281 | 251 |
| Mississippi | 286 | 234 | 278 | 291 | 245 | 267 |
| Missouri | 530 | 502 | 495 | 543 | 488 | 512 |
| Montana | 377 | 374 | 405 | 470 | 418 | 409 |
| Nebraska | 306 | 285 | 301 | 334 | 283 | 302 |
| Nevada | 556 | 541 | 494 | 460 | 454 | 501 |
| New Hampshire | 199 | 173 | 153 | 147 | 126 | 159 |
| New Jersey | 229 | 208 | 207 | 196 | 203 | 208 |
| New Mexico | 784 | 857 | 832 | 778 | 781 | 806 |
| New York | 357 | 351 | 359 | 364 | 429 | 372 |
| North Carolina | 364 | 378 | 372 | 419 | 381 | 383 |
| North Dakota | 281 | 281 | 285 | 329 | 280 | 291 |
| Ohio | 298 | 280 | 293 | 309 | 294 | 295 |
| Oklahoma | 456 | 466 | 432 | 459 | 420 | 446 |
| Oregon | 282 | 286 | 284 | 292 | 342 | 297 |
| Pennsylvania | 313 | 306 | 306 | 390 | 280 | 319 |
| Rhode Island | 232 | 219 | 221 | 231 | 172 | 215 |
| South Carolina | 506 | 488 | 511 | 531 | 491 | 506 |
| South Dakota | 434 | 405 | 399 | 501 | 377 | 423 |
| Tennessee | 652 | 624 | 595 | 673 | 622 | 633 |
| Texas | 439 | 411 | 419 | 447 | 432 | 429 |
| Utah | 239 | 233 | 236 | 261 | 242 | 242 |
| Vermont | 166 | 172 | 202 | 173 | 222 | 187 |
| Virginia | 208 | 200 | 208 | 209 | 234 | 212 |
| **Washington** | **305** | **312** | **294** | **294** | **376** | **316** |
| West Virginia | 351 | 290 | 317 | 356 | 278 | 318 |
| Wisconsin | 320 | 295 | 293 | 323 | 297 | 306 |
| Wyoming | 238 | 212 | 217 | 234 | 202 | 221 |
| United States | 384 | 369 | 367 | 399 | 381 | 380 |
| **Washington's Rank** | **19** | **23** | **20** | **16** | **28** | **21** |

Source: U.S. Department of Justice. Federal Bureau of Investigation. Crime in the United States-Uniform Crime Reports, 2022

Table 4.3
Quality of Life
**Arrests Per Violent Crime**

| | 2017 | 2018 | 2019 | 2020 | 2022 | 2017-22 |
|---|---|---|---|---|---|---|
| Alabama | 0.31 | 0.30 | 0.00 | na | 0.18 | 0.20 |
| Alaska | 0.39 | 0.41 | 0.40 | 0.42 | 0.41 | 0.41 |
| Arizona | 0.39 | 0.37 | 0.34 | 0.34 | 0.30 | 0.35 |
| Arkansas | 0.31 | 0.32 | 0.29 | 0.27 | 0.27 | 0.29 |
| California | 0.62 | 0.62 | 0.59 | 0.58 | 0.43 | 0.57 |
| Colorado | 0.41 | 0.40 | 0.36 | 0.37 | 0.30 | 0.37 |
| Connecticut | 0.48 | 0.47 | 0.47 | 0.41 | 0.44 | 0.45 |
| Delaware | 0.46 | 0.48 | 0.46 | na | 0.45 | 0.46 |
| Florida | 0.42 | 0.43 | 0.41 | 0.37 | 0.28 | 0.38 |
| Georgia | 0.37 | 0.36 | 0.06 | 0.15 | 0.24 | 0.24 |
| Hawaii | 0.34 | 0.29 | 0.21 | 0.35 | 0.21 | 0.28 |
| Idaho | 0.41 | 0.44 | 0.46 | 0.40 | 0.40 | 0.42 |
| Illinois | 0.31 | 0.48 | 0.01 | 0.01 | 0.16 | 0.19 |
| Indiana | 0.49 | 0.47 | 0.13 | 0.18 | 0.23 | 0.30 |
| Iowa | 0.60 | NA | 0.53 | 0.55 | 0.46 | 0.53 |
| Kansas | 0.28 | 0.07 | 0.18 | 0.21 | 0.26 | 0.20 |
| Kentucky | 0.35 | 0.27 | 0.35 | 0.18 | 0.20 | 0.27 |
| Louisiana | 0.45 | 0.49 | 0.35 | 0.35 | 0.28 | 0.38 |
| Maine | 0.48 | 0.50 | 0.44 | 0.48 | 0.44 | 0.47 |
| Maryland | 0.35 | 0.37 | 0.37 | na | 0.27 | 0.34 |
| Massachusetts | 0.40 | 0.33 | 0.28 | 0.33 | 0.34 | 0.33 |
| Michigan | 0.27 | 0.29 | 0.29 | 0.27 | 0.27 | 0.28 |
| Minnesota | 0.45 | 0.45 | 0.42 | 0.36 | 0.34 | 0.40 |
| Mississippi | 0.38 | 0.44 | 0.17 | 0.14 | 0.15 | 0.25 |
| Missouri | 0.31 | 0.33 | 0.24 | 0.26 | 0.28 | 0.29 |
| Montana | 0.32 | 0.32 | 0.40 | 0.42 | 0.37 | 0.37 |
| Nebraska | 0.23 | 0.39 | 0.38 | 0.26 | 0.28 | 0.31 |
| Nevada | 0.44 | 0.49 | 0.49 | 0.41 | 0.43 | 0.45 |
| New Hampshire | 0.35 | 0.38 | 0.35 | 0.33 | 0.31 | 0.34 |
| New Jersey | 0.44 | 0.44 | 0.51 | 0.49 | 0.38 | 0.45 |
| New Mexico | 0.42 | 0.35 | 0.19 | 0.16 | 0.17 | 0.26 |
| New York | 0.34 | 0.34 | 0.16 | 0.13 | 0.12 | 0.22 |
| North Carolina | 0.50 | 0.45 | 0.23 | 0.23 | 0.23 | 0.33 |
| North Dakota | 0.41 | 0.34 | 0.35 | 0.40 | 0.38 | 0.37 |
| Ohio | 0.29 | 0.32 | 0.26 | 0.20 | 0.20 | 0.25 |
| Oklahoma | 0.28 | 0.27 | 0.27 | 0.27 | 0.25 | 0.27 |
| Oregon | 0.35 | 0.40 | 0.38 | 0.39 | 0.36 | 0.38 |
| Pennsylvania | 0.52 | 0.51 | 0.12 | na | 0.20 | 0.34 |
| Rhode Island | 0.39 | 0.41 | 0.39 | 0.39 | 0.40 | 0.40 |
| South Carolina | 0.33 | 0.32 | 0.25 | 0.27 | 0.27 | 0.29 |
| South Dakota | 0.55 | 0.32 | 0.32 | 0.45 | 0.39 | 0.41 |
| Tennessee | 0.35 | 0.36 | 0.35 | 0.30 | 0.27 | 0.33 |
| Texas | 0.27 | 0.31 | 0.28 | 0.24 | 0.24 | 0.27 |
| Utah | 0.36 | 0.37 | 0.34 | 0.31 | 0.34 | 0.34 |
| Vermont | 0.67 | 0.65 | 0.68 | 0.67 | 0.61 | 0.66 |
| Virginia | 0.44 | 0.43 | 0.39 | 0.37 | 0.35 | 0.39 |
| **Washington** | **0.42** | **0.42** | **0.36** | **0.37** | **0.31** | **0.38** |
| West Virginia | 0.45 | 0.38 | 0.16 | 0.20 | 0.19 | 0.28 |
| Wisconsin | 0.44 | 0.47 | 0.45 | 0.40 | 0.39 | 0.43 |
| Wyoming | 0.47 | 0.56 | 0.35 | 0.35 | 0.24 | 0.39 |
| U.S. Average | 0.42 | 0.43 | 0.33 | 0.30 | 0.28 | 0.35 |
| **Washington's Rank** | **21** | **20** | **21** | **17** | **22** | **20** |

Source: U.S. Department of Justice. Federal Bureau of Investigation. Crime in the United States-Uniform Crime Reports, 2022

Table 4.4
Quality of Life
**Air Quality**
(Micrograms of fine particles per cubic meter)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 8.4 | 8.1 | 8.0 | 7.8 | 7.9 | 8.0 |
| Alaska | 7.4 | 6.4 | 6.9 | 6.8 | 6.3 | 6.8 |
| Arizona | 9.7 | 9.7 | 8.6 | 9.1 | 11.1 | 9.6 |
| Arkansas | 7.1 | 7.1 | 7.3 | 7.2 | 8.1 | 7.4 |
| California | 11.9 | 12.8 | 12.6 | 13.3 | 13.4 | 12.8 |
| Colorado | 6.7 | 6.7 | 6.7 | 6.9 | 7.1 | 6.8 |
| Connecticut | 7.7 | 7.2 | 7.0 | 7.3 | 5.7 | 7.0 |
| Delaware | 8.6 | 8.3 | 8.3 | 8.2 | 9.2 | 8.5 |
| Florida | 7.1 | 7.4 | 7.3 | 7.2 | 7.6 | 7.3 |
| Georgia | 8.6 | 8.3 | 7.9 | 7.8 | 8.6 | 8.2 |
| Hawaii | 5.8 | 5.4 | 4.8 | 4.3 | 4.1 | 4.9 |
| Idaho | 7.2 | 6.8 | 6.6 | 6.1 | 8.2 | 7.0 |
| Illinois | 6.7 | 9.3 | 9.5 | 9.6 | 9.8 | 9.0 |
| Indiana | 9.6 | 8.4 | 8.7 | 8.7 | 8.8 | 8.8 |
| Iowa | 8.7 | 7.1 | 7.3 | 7.5 | 7.7 | 7.7 |
| Kansas | 6.9 | 7.0 | 7.4 | 7.6 | 8.9 | 7.6 |
| Kentucky | 8.2 | 8.1 | 7.9 | 7.8 | 8.3 | 8.1 |
| Louisiana | 8.0 | 7.9 | 8.0 | 7.7 | 7.6 | 7.8 |
| Maine | 6.0 | 5.9 | 5.3 | 5.0 | 5.4 | 5.5 |
| Maryland | 8.3 | 7.7 | 7.2 | 6.7 | 6.6 | 7.3 |
| Massachusetts | 6.5 | 6.3 | 6.4 | 7.0 | 7.3 | 6.7 |
| Michigan | 8.3 | 8.0 | 8.0 | 7.9 | 8.3 | 8.1 |
| Minnesota | 7.1 | 6.6 | 6.8 | 6.8 | 7.2 | 6.9 |
| Mississippi | 7.9 | 7.7 | 7.8 | 8.1 | 8.2 | 7.9 |
| Missouri | 7.6 | 7.5 | 7.6 | 7.5 | 7.5 | 7.5 |
| Montana | 6.8 | 6.6 | 6.3 | 5.5 | 6.6 | 6.4 |
| Nebraska | 7.4 | 7.1 | 7.0 | 6.2 | 5.9 | 6.7 |
| Nevada | 4.5 | 9.0 | 8.3 | 9.3 | 10.4 | 8.3 |
| New Hampshire | 7.1 | 4.4 | 4.1 | 4.3 | 4.9 | 5.0 |
| New Jersey | 5.0 | 8.1 | 8.0 | 7.7 | 7.5 | 7.3 |
| New Mexico | 8.3 | 6.0 | 5.9 | 6.1 | 6.8 | 6.6 |
| New York | 5.8 | 6.6 | 6.4 | 6.3 | 6.7 | 6.4 |
| North Carolina | 8.8 | 7.2 | 7.0 | 6.6 | 7.1 | 7.3 |
| North Dakota | 7.0 | 4.6 | 5.0 | 4.8 | 5.4 | 5.4 |
| Ohio | 9.0 | 8.5 | 8.7 | 8.5 | 8.4 | 8.6 |
| Oklahoma | 7.9 | 8.2 | 8.4 | 8.4 | 8.7 | 8.3 |
| Oregon | 7.7 | 7.8 | 8.3 | 9.2 | 8.8 | 8.4 |
| Pennsylvania | 9.7 | 9.2 | 8.8 | 8.5 | 9.0 | 9.0 |
| Rhode Island | 7.6 | 7.3 | 7.0 | 7.0 | 6.9 | 7.2 |
| South Carolina | 7.4 | 7.4 | 7.2 | 7.1 | 7.8 | 7.4 |
| South Dakota | 5.4 | 5.1 | 5.2 | 5.1 | 5.8 | 5.3 |
| Tennessee | 7.7 | 7.4 | 7.2 | 7.2 | 7.6 | 7.4 |
| Texas | 8.6 | 8.3 | 8.4 | 8.5 | 9.0 | 8.6 |
| Utah | 8.3 | 8.4 | 7.8 | 7.9 | 8.6 | 8.2 |
| Vermont | 7.2 | 5.1 | 4.8 | 4.9 | 5.9 | 5.6 |
| Virginia | 5.2 | 6.9 | 6.9 | 6.5 | 6.6 | 6.4 |
| **Washington** | **8.0** | **8.0** | **8.3** | **8.5** | **8.5** | **8.3** |
| West Virginia | 6.8 | 7.6 | 7.4 | 7.1 | 7.2 | 7.2 |
| Wisconsin | 7.8 | 6.8 | 7.0 | 7.2 | 7.9 | 7.3 |
| Wyoming | 5.0 | 5.0 | 4.5 | 4.2 | 4.9 | 4.7 |
| U.S. Average | 8.4 | 8.4 | 8.3 | 8.3 | 8.6 | 8.4 |
| **Washington's Rank** | **33** | **34** | **39** | **41** | **37** | **39** |

Source: United Health Foundation, America's Health Rankings, Air Pollution. 2022. (www.ameriashealthrankings.org)

Table 4.5
Quality of Life
**Drinking Water Index**
(Percent)*

| | 2019 | 2020 | 2021 | 2022 | 2023 | 2019-23 |
|---|---|---|---|---|---|---|
| Alabama | 2.1 | 1.2 | 0.6 | 2.6 | 3.3 | 2.0 |
| Alaska | 9.0 | 6.0 | 6.4 | 5.7 | 5.3 | 6.5 |
| Arizona | 8.7 | 1.3 | 24.9 | 8.7 | 1.8 | 9.1 |
| Arkansas | 5.6 | 4.3 | 3.6 | 2.8 | 2.0 | 3.7 |
| California | 1.9 | 0.6 | 0.4 | 0.5 | 2.2 | 1.1 |
| Colorado | 1.7 | 3.9 | 1.9 | 2.9 | 3.5 | 2.8 |
| Connecticut | 1.4 | 2.1 | 0.2 | 1.9 | 1.3 | 1.4 |
| Delaware | 0.6 | 2.8 | 1.9 | 0.4 | 0.1 | 1.2 |
| Florida | 0.5 | 3.6 | 2.4 | 2.6 | 1.3 | 2.1 |
| Georgia | 7.8 | 1.1 | 1.5 | 3.2 | 2.6 | 3.2 |
| Hawaii | 0.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.8 |
| Idaho | 2.0 | 1.7 | 2.4 | 6.8 | 6.7 | 3.9 |
| Illinois | 0.9 | 1.0 | 0.6 | 0.8 | 0.8 | 0.8 |
| Indiana | 0.9 | 1.3 | 2.5 | 8.5 | 5.3 | 3.7 |
| Iowa | 3.4 | 3.1 | 0.3 | 0.3 | 0.8 | 1.6 |
| Kansas | 3.6 | 4.0 | 2.1 | 3.4 | 3.6 | 3.3 |
| Kentucky | 8.5 | 4.9 | 3.9 | 3.0 | 3.2 | 4.7 |
| Louisiana | 23.0 | 13.9 | 15.6 | 18.0 | 20.4 | 18.2 |
| Maine | 6.5 | 4.6 | 4.7 | 5.8 | 1.1 | 4.6 |
| Maryland | 2.1 | 0.0 | 0.2 | 0.1 | 22.0 | 4.9 |
| Massachusetts | 2.3 | 2.3 | 1.6 | 9.8 | 8.9 | 5.0 |
| Michigan | 2.4 | 3.5 | 1.6 | 1.5 | 2.7 | 2.3 |
| Minnesota | 2.0 | 1.2 | 1.2 | 1.1 | 0.9 | 1.3 |
| Mississippi | 9.0 | 8.5 | 8.0 | 9.3 | 10.3 | 9.0 |
| Missouri | 0.1 | 10.5 | 0.9 | 1.4 | 1.8 | 2.9 |
| Montana | 12.0 | 1.5 | 1.2 | 3.5 | 7.8 | 5.2 |
| Nebraska | 3.1 | 2.6 | 0.9 | 1.1 | 1.6 | 1.9 |
| Nevada | 0.2 | 0.4 | 0.3 | 0.3 | 0.5 | 0.3 |
| New Hampshire | 4.3 | 3.2 | 2.3 | 3.2 | 3.7 | 3.3 |
| New Jersey | 11.0 | 16.7 | 20.1 | 12.3 | 9.9 | 14.0 |
| New Mexico | 10.1 | 5.6 | 8.4 | 6.4 | 6.5 | 7.4 |
| New York | 48.0 | 46.7 | 52.4 | 48.3 | 48.1 | 48.7 |
| North Carolina | 2.1 | 3.4 | 1.6 | 1.7 | 3.3 | 2.4 |
| North Dakota | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ohio | 2.2 | 1.3 | 0.9 | 1.4 | 5.0 | 2.2 |
| Oklahoma | 13.9 | 13.4 | 9.9 | 13.0 | 18.5 | 13.7 |
| Oregon | 19.3 | 18.5 | 16.5 | 17.9 | 18.1 | 18.1 |
| Pennsylvania | 14.9 | 7.6 | 8.1 | 6.3 | 6.0 | 8.6 |
| Rhode Island | 32.5 | 4.3 | 0.3 | 0.3 | 2.7 | 8.0 |
| South Carolina | 3.4 | 1.2 | 11.6 | 8.1 | 1.8 | 5.2 |
| South Dakota | 6.4 | 3.7 | 4.3 | 3.2 | 4.3 | 4.4 |
| Tennessee | 1.5 | 2.2 | 1.8 | 1.8 | 3.9 | 2.2 |
| Texas | 6.7 | 3.1 | 7.3 | 6.7 | 4.1 | 5.6 |
| Utah | 7.2 | 2.4 | 0.6 | 3.5 | 3.0 | 3.3 |
| Vermont | 0.9 | 1.5 | 0.2 | 0.2 | 0.4 | 0.6 |
| Virginia | 2.0 | 2.4 | 0.5 | 0.4 | 1.6 | 1.4 |
| **Washington** | **0.1** | **0.7** | **0.4** | **0.3** | **0.2** | **0.3** |
| West Virginia | 20.1 | 21.1 | 21.3 | 3.4 | 18.2 | 16.8 |
| Wisconsin | 6.3 | 6.3 | 3.6 | 18.7 | 4.1 | 7.8 |
| Wyoming | 3.5 | 4.1 | 5.6 | 4.6 | 6.8 | 4.9 |
| 50 State Average** | 7.4 | 6.3 | 7.1 | 6.7 | 7.0 | 6.9 |
| **Washington's Rank** | **4** | **5** | **8** | **6** | **4** | **2** |

* Lack of data for Hawaii will effect results for 50 state average
*Percent of population served by water supply in violation of EPA standards.
Source: U.S. Environmental Protection Agency, GPRA Summary Report, 2023

Table 4.6
Quality of Life
**Toxins Released**
Pounds per square mile

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 1,515 | 1,498 | 1,341 | 1,485 | 1,642 | 1,496 |
| Alaska | 1,580 | 1,385 | 1,020 | 1,134 | 1,263 | 1,276 |
| Arizona | 765 | 753 | 471 | 550 | 549 | 618 |
| Arkansas | 690 | 950 | 581 | 634 | 663 | 704 |
| California | 217 | 229 | 195 | 234 | 264 | 228 |
| Colorado | 235 | 271 | 191 | 189 | 196 | 216 |
| Connecticut | 393 | 437 | 328 | 300 | 285 | 348 |
| Delaware | 2,702 | 2,596 | 3,225 | 2,928 | 2,813 | 2,853 |
| Florida | 1,027 | 892 | 815 | 1,351 | 795 | 976 |
| Georgia | 857 | 839 | 772 | 811 | 770 | 810 |
| Hawaii | 459 | 451 | 395 | 406 | 400 | 422 |
| Idaho | 399 | 402 | 477 | 461 | 513 | 451 |
| Illinois | 2,111 | 1,706 | 1,040 | 1,098 | 1,032 | 1,397 |
| Indiana | 3,548 | 3,386 | 2,887 | 2,712 | 3,298 | 3,166 |
| Iowa | 718 | 713 | 675 | 604 | 590 | 660 |
| Kansas | 294 | 298 | 293 | 279 | 327 | 298 |
| Kentucky | 1,182 | 1,091 | 1,191 | 1,265 | 1,405 | 1,227 |
| Louisiana | 2,938 | 2,700 | 2,490 | 3,080 | 2,657 | 2,773 |
| Maine | 342 | 280 | 235 | 209 | 217 | 257 |
| Maryland | 497 | 395 | 455 | 433 | 457 | 447 |
| Massachusetts | 381 | 338 | 328 | 413 | 407 | 374 |
| Michigan | 814 | 786 | 636 | 1,027 | 552 | 763 |
| Minnesota | 313 | 258 | 234 | 252 | 260 | 263 |
| Mississippi | 1,278 | 1,163 | 1,103 | 1,139 | 1,153 | 1,167 |
| Missouri | 873 | 780 | 759 | 817 | 849 | 816 |
| Montana | 350 | 420 | 385 | 364 | 357 | 375 |
| Nebraska | 241 | 229 | 211 | 231 | 219 | 226 |
| Nevada | 3,068 | 3,043 | 4,204 | 4,068 | 3,331 | 3,543 |
| New Hampshire | 46 | 42 | 48 | 44 | 43 | 45 |
| New Jersey | 1,532 | 1,710 | 1,422 | 1,472 | 1,337 | 1,495 |
| New Mexico | 138 | 136 | 102 | 130 | 178 | 137 |
| New York | 350 | 337 | 282 | 282 | 295 | 309 |
| North Carolina | 1,050 | 1,079 | 1,021 | 1,090 | 1,023 | 1,052 |
| North Dakota | 632 | 597 | 571 | 596 | 805 | 640 |
| Ohio | 2,516 | 2,320 | 2,034 | 2,127 | 1,971 | 2,194 |
| Oklahoma | 452 | 409 | 407 | 454 | 499 | 444 |
| Oregon | 215 | 189 | 174 | 185 | 204 | 193 |
| Pennsylvania | 1,202 | 1,083 | 1,072 | 1,084 | 1,235 | 1,135 |
| Rhode Island | 348 | 271 | 434 | 420 | 315 | 357 |
| South Carolina | 1,186 | 1,150 | 1,039 | 1,320 | 1,289 | 1,197 |
| South Dakota | 98 | 93 | 113 | 125 | 112 | 108 |
| Tennessee | 2,077 | 1,957 | 1,744 | 1,788 | 1,770 | 1,867 |
| Texas | 799 | 705 | 689 | 718 | 941 | 770 |
| Utah | 3,432 | 2,338 | 2,158 | 2,355 | 2,142 | 2,485 |
| Vermont | 38 | 40 | 44 | 41 | 40 | 41 |
| Virginia | 816 | 826 | 814 | 787 | 713 | 791 |
| **Washington** | **452** | **379** | **218** | **298** | **216** | **313** |
| West Virginia | 1,235 | 1,120 | 929 | 1,009 | 912 | 1,041 |
| Wisconsin | 502 | 497 | 444 | 467 | 389 | 459 |
| Wyoming | 219 | 189 | 192 | 168 | 195 | 193 |
| U.S. Average | 1,000 | 912 | 819 | 883 | 880 | 899 |
| **Washington's Rank** | **19** | **16** | **10** | **14** | **8** | **14** |

Source: U.S. Environmental Protection Agency. Office of Pollution Prevention and Toxics.
Toxics Release Inventory Public Data Release Reports, 2022

Table 4.7
Quality of Life
**State Health Index**
*Score

| | 2018 | 2019 | 2020 | 2021 | 2023 | 2018-23 |
|---|---|---|---|---|---|---|
| Alabama | -0.84 | -0.82 | -1.17 | -0.60 | -0.70 | -0.83 |
| Alaska | -0.12 | 0.07 | 0.37 | -0.09 | -0.07 | 0.03 |
| Arizona | -0.11 | -0.15 | -0.64 | -0.09 | -0.15 | -0.23 |
| Arkansas | -0.67 | -0.84 | -0.71 | -0.71 | -0.84 | -0.75 |
| California | 0.43 | 0.40 | 0.36 | 0.11 | 0.04 | 0.27 |
| Colorado | 0.59 | 0.54 | 0.46 | 0.45 | 0.51 | 0.51 |
| Connecticut | 0.80 | 0.73 | 1.05 | 0.59 | 0.67 | 0.77 |
| Delaware | -0.11 | -0.09 | 0.40 | 0.19 | 0.31 | 0.14 |
| Florida | -0.09 | -0.21 | -0.96 | -0.08 | -0.03 | -0.27 |
| Georgia | -0.39 | -0.45 | -1.40 | -0.28 | -0.26 | -0.56 |
| Hawaii | 0.88 | 0.84 | 1.13 | 0.62 | 0.66 | 0.82 |
| Idaho | 0.34 | 0.33 | -0.54 | 0.29 | 0.28 | 0.14 |
| Illinois | 0.35 | 0.09 | 0.23 | 0.13 | 0.10 | 0.18 |
| Indiana | 0.06 | -0.49 | -0.22 | -0.24 | -0.21 | -0.22 |
| Iowa | -0.43 | 0.29 | 0.77 | 0.28 | 0.38 | 0.26 |
| Kansas | 0.04 | -0.02 | -0.17 | -0.04 | 0.02 | -0.03 |
| Kentucky | -0.62 | -0.61 | 0.35 | -0.48 | -0.41 | -0.35 |
| Louisiana | -1.02 | -0.91 | -0.45 | -1.00 | -0.95 | -0.87 |
| Maine | 0.87 | 0.25 | 0.63 | 0.48 | 0.53 | 0.55 |
| Maryland | 0.31 | 0.31 | 0.66 | 0.47 | 0.52 | 0.45 |
| Massachusetts | 0.35 | 0.85 | 1.84 | 0.73 | 0.82 | 0.92 |
| Michigan | -0.19 | -0.21 | 0.66 | -0.10 | 0.09 | 0.05 |
| Minnesota | 0.67 | 0.57 | 0.94 | 0.65 | 0.67 | 0.70 |
| Mississippi | -0.35 | -1.01 | -1.25 | -0.79 | -0.92 | -0.86 |
| Missouri | -1.01 | -0.41 | -0.38 | -0.28 | -0.37 | -0.49 |
| Montana | 0.30 | 0.20 | 0.51 | 0.06 | 0.14 | 0.24 |
| Nebraska | -0.19 | 0.32 | 0.28 | 0.33 | 0.33 | 0.21 |
| Nevada | 0.42 | -0.26 | -0.81 | -0.32 | -0.41 | -0.28 |
| New Hampshire | 0.38 | 0.61 | 0.72 | 0.76 | 0.89 | 0.67 |
| New Jersey | 0.69 | 0.55 | 0.07 | 0.40 | 0.42 | 0.43 |
| New Mexico | 0.46 | -0.27 | -0.05 | -0.42 | -0.44 | -0.14 |
| New York | -0.20 | 0.51 | 0.83 | 0.17 | 0.08 | 0.28 |
| North Carolina | -0.27 | -0.26 | -0.68 | -0.03 | -0.07 | -0.26 |
| North Dakota | 0.48 | 0.37 | 0.73 | 0.26 | 0.38 | 0.44 |
| Ohio | -0.42 | -0.40 | 0.31 | -0.26 | -0.24 | -0.20 |
| Oklahoma | -0.74 | -0.78 | -0.93 | -0.61 | -0.71 | -0.75 |
| Oregon | 0.30 | 0.23 | 0.49 | 0.31 | 0.27 | 0.32 |
| Pennsylvania | -0.01 | 0.00 | 0.71 | 0.03 | 0.19 | 0.18 |
| Rhode Island | 0.38 | 0.38 | 1.32 | 0.42 | 0.62 | 0.63 |
| South Carolina | -0.57 | -0.60 | -0.71 | -0.44 | -0.30 | -0.52 |
| South Dakota | 0.07 | 0.15 | 0.19 | 0.16 | 0.34 | 0.18 |
| Tennessee | -0.57 | -0.64 | -0.53 | -0.38 | -0.57 | -0.54 |
| Texas | -0.29 | -0.24 | -1.64 | -0.20 | -0.32 | -0.54 |
| Utah | 0.70 | 0.63 | -0.35 | 0.57 | 0.61 | 0.43 |
| Vermont | 0.31 | 0.85 | 1.30 | 0.68 | 0.79 | 0.78 |
| Virginia | 0.72 | 0.35 | 0.07 | 0.38 | 0.31 | 0.37 |
| **Washington** | **0.58** | **0.54** | **0.68** | **0.45** | **0.63** | **0.58** |
| West Virginia | 0.22 | -0.66 | 0.02 | -0.62 | -0.68 | -0.35 |
| Wisconsin | -0.60 | 0.20 | 0.62 | 0.23 | 0.25 | 0.14 |
| Wyoming | 0.21 | 0.30 | -0.35 | -0.11 | -0.01 | 0.01 |
| U.S. Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Washington's Rank** | **9** | **9** | **12** | **10** | **7** | **8** |

*Scores reflect the number of standard deviations above or below the national average.
Source: United Health Foundation, America's Health Rankings, 2023

Table 4.8
Quality of Life
**State Parks and Recreational Areas**
(Per Capita Park Visits) (Fiscal Years)

| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017-21 |
|---|---|---|---|---|---|---|
| Alabama | 1.0 | 1.0 | 0.7 | 1.3 | 1.1 | 1.0 |
| Alaska | 5.0 | 5.0 | 5.0 | 0.1 | 1.4 | 3.3 |
| Arizona | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Arkansas | 2.3 | 2.4 | 2.5 | 2.2 | 2.9 | 2.4 |
| California | 2.0 | 2.1 | 2.1 | 1.7 | 2.1 | 2.0 |
| Colorado | 2.7 | 2.6 | 2.6 | 3.0 | 3.3 | 2.8 |
| Connecticut | 2.6 | 2.6 | 2.8 | 3.6 | 4.8 | 3.3 |
| Delaware | 6.1 | 6.1 | 6.2 | 9.3 | 11.5 | 7.9 |
| Florida | 1.5 | 1.3 | 1.4 | 1.2 | 1.3 | 1.3 |
| Georgia | 0.9 | 0.9 | 0.9 | 1.0 | 1.1 | 0.9 |
| Hawaii | 2.1 | 8.0 | 8.4 | 5.8 | 3.9 | 5.6 |
| Idaho | 3.0 | 3.3 | 3.4 | 3.5 | 4.7 | 3.6 |
| Illinois | 3.0 | 3.0 | 3.1 | 2.7 | 0.8 | 2.5 |
| Indiana | 2.6 | 2.5 | 2.3 | 2.2 | 2.8 | 2.5 |
| Iowa | 4.9 | 4.6 | 4.8 | 5.0 | 5.3 | 4.9 |
| Kansas | 2.4 | 2.4 | 2.1 | 2.5 | 2.6 | 2.4 |
| Kentucky | 1.5 | 1.5 | 0.3 | 0.3 | 2.0 | 1.1 |
| Louisiana | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| Maine | 2.1 | 2.1 | 2.3 | 2.7 | 2.3 | 2.3 |
| Maryland | 2.4 | 2.3 | 2.3 | 2.8 | 3.5 | 2.7 |
| Massachusetts | 4.0 | 4.0 | 3.9 | 3.8 | 3.8 | 3.9 |
| Michigan | 3.2 | 3.1 | 3.2 | 3.8 | 3.8 | 3.4 |
| Minnesota | 1.8 | 1.7 | 1.7 | 1.9 | 2.2 | 1.9 |
| Mississippi | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Missouri | 3.5 | 3.6 | 3.1 | 3.1 | 3.6 | 3.4 |
| Montana | 2.6 | 2.5 | 2.6 | 3.1 | 3.3 | 2.8 |
| Nebraska | 6.6 | 5.7 | 7.2 | 4.1 | 4.6 | 5.6 |
| Nevada | 1.3 | 1.3 | 1.4 | 1.2 | 1.5 | 1.3 |
| New Hampshire | 1.0 | 0.9 | 0.8 | 0.8 | 0.9 | 0.9 |
| New Jersey | 1.7 | 2.0 | 2.0 | 1.5 | 1.7 | 1.8 |
| New Mexico | 2.4 | 2.4 | 2.2 | 1.9 | 2.1 | 2.2 |
| New York | 3.5 | 3.7 | 4.1 | 3.9 | 3.9 | 3.8 |
| North Carolina | 1.9 | 1.8 | 1.7 | 1.7 | 2.2 | 1.9 |
| North Dakota | 2.0 | 2.0 | 2.0 | 1.7 | 2.3 | 2.0 |
| Ohio | 3.7 | 3.7 | 3.5 | 3.4 | 3.7 | 3.6 |
| Oklahoma | 2.5 | 2.5 | 2.3 | 2.9 | 2.9 | 2.6 |
| Oregon | 12.7 | 13.0 | 13.0 | 10.4 | 13.1 | 12.4 |
| Pennsylvania | 3.1 | 3.0 | 2.9 | 3.1 | 3.6 | 3.2 |
| Rhode Island | 7.7 | 8.4 | 7.5 | 7.6 | 10.5 | 8.3 |
| South Carolina | 1.6 | 1.7 | 1.6 | 1.6 | 2.0 | 1.7 |
| South Dakota | 8.9 | 8.8 | 8.2 | 9.4 | 11.4 | 9.3 |
| Tennessee | 5.8 | 6.0 | 5.6 | 5.2 | 5.2 | 5.6 |
| Texas | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Utah | 1.7 | 1.8 | 1.8 | 3.7 | 3.6 | 2.5 |
| Vermont | 1.5 | 1.6 | 1.6 | 1.3 | 1.5 | 1.5 |
| Virginia | 1.2 | 1.1 | 1.0 | 0.8 | 0.9 | 1.0 |
| **Washington** | **4.8** | **4.9** | **5.0** | **4.5** | **5.9** | **5.0** |
| West Virginia | 4.2 | 3.8 | 3.6 | 3.5 | 4.3 | 3.9 |
| Wisconsin | 3.1 | 3.1 | 3.2 | 3.2 | 3.7 | 3.2 |
| Wyoming | 8.4 | 7.8 | 6.3 | 8.7 | 10.7 | 8.4 |
| U.S. Average | 2.5 | 2.5 | 2.5 | 2.4 | 2.6 | 2.5 |
| **Washington's Rank** | **10** | **10** | **10** | **9** | **6** | **9** |

*Complete data has not been collected for Hawaii for 2017
Source: National Association of State Parks Directors. Annual Information Exchange, 2021

Table 4.9
Quality of Life
**State Arts**
Total Per Capita State Arts Agency Revenue*

| (Fiscal Years) | 2020 | 2021 | 2022 | 2023 | 2024 | 2020-24 |
|---|---|---|---|---|---|---|
| Alabama | 1.37 | 1.41 | 1.43 | 1.71 | 1.76 | 1.54 |
| Alaska | 5.14 | 3.72 | 0.95 | 3.81 | 5.66 | 3.86 |
| Arizona | 0.61 | 0.26 | 0.27 | 1.01 | 1.02 | 0.63 |
| Arkansas | 0.75 | 0.80 | 0.58 | 0.79 | 0.81 | 0.75 |
| California | 1.66 | 1.07 | 3.16 | 3.73 | 1.05 | 2.13 |
| Colorado | 0.84 | 0.37 | 0.35 | 0.50 | 0.53 | 0.52 |
| Connecticut | 1.97 | 1.97 | 9.69 | 10.87 | 7.85 | 6.47 |
| Delaware | 4.70 | 4.74 | 3.92 | 6.18 | 5.84 | 5.08 |
| Florida | 1.19 | 0.84 | 1.41 | 3.80 | 2.51 | 1.95 |
| Georgia | 0.22 | 0.22 | 0.14 | 0.23 | 0.23 | 0.21 |
| Hawaii | 5.43 | 5.16 | 4.56 | 5.61 | 7.83 | 5.72 |
| Idaho | 0.94 | 0.94 | 0.48 | 0.93 | 1.02 | 0.86 |
| Illinois | 5.07 | 1.13 | 1.05 | 5.14 | 5.31 | 3.54 |
| Indiana | 0.70 | 0.71 | 0.54 | 0.84 | 1.11 | 0.78 |
| Iowa | 0.88 | 0.89 | 0.32 | 0.90 | 0.95 | 0.79 |
| Kansas | 0.41 | 0.43 | 0.17 | 0.44 | 0.66 | 0.42 |
| Kentucky | 0.61 | 0.52 | 0.39 | 0.59 | 0.62 | 0.55 |
| Louisiana | 0.64 | 0.66 | 0.46 | 0.66 | 0.68 | 0.62 |
| Maine | 1.39 | 1.38 | 0.75 | 1.40 | 1.50 | 1.28 |
| Maryland | 4.05 | 4.54 | 4.35 | 11.19 | 5.75 | 5.98 |
| Massachusetts | 2.84 | 3.30 | 3.10 | 4.27 | 4.68 | 3.64 |
| Michigan | 0.98 | 0.92 | 0.84 | 1.27 | 0.98 | 1.00 |
| Minnesota | 7.36 | 6.52 | 8.23 | 7.78 | 9.80 | 7.94 |
| Mississippi | 0.88 | 0.81 | 0.56 | 2.34 | 3.95 | 1.71 |
| Missouri | 1.19 | 1.20 | 1.02 | 3.15 | 4.89 | 2.29 |
| Montana | 1.84 | 1.75 | 0.49 | 1.84 | 2.07 | 1.60 |
| Nebraska | 2.10 | 2.19 | 1.31 | 6.66 | 3.00 | 3.05 |
| Nevada | 0.85 | 0.60 | 0.62 | 0.94 | 1.02 | 0.81 |
| New Hampshire | 1.28 | 1.33 | 0.60 | 1.36 | 1.80 | 1.27 |
| New Jersey | 1.95 | 2.39 | 3.59 | 4.52 | 5.05 | 3.50 |
| New Mexico | 0.97 | 1.06 | 0.67 | 1.10 | 1.25 | 1.01 |
| New York | 2.37 | 2.38 | 2.39 | 12.32 | 5.68 | 5.03 |
| North Carolina | 0.93 | 0.91 | 0.78 | 1.00 | 1.28 | 0.98 |
| North Dakota | 2.08 | 2.13 | 1.09 | 2.20 | 3.20 | 2.14 |
| Ohio | 1.60 | 1.55 | 1.71 | 1.84 | 2.32 | 1.80 |
| Oklahoma | 1.22 | 1.37 | 0.75 | 1.21 | 1.27 | 1.16 |
| Oregon | 1.29 | 1.33 | 2.13 | 3.05 | 1.84 | 1.93 |
| Pennsylvania | 0.89 | 0.90 | 0.82 | 0.90 | 0.90 | 0.88 |
| Rhode Island | 5.37 | 4.44 | 1.55 | 5.51 | 5.84 | 4.54 |
| South Carolina | 2.70 | 1.25 | 8.77 | 3.06 | 2.88 | 3.73 |
| South Dakota | 2.03 | 2.15 | 1.21 | 2.25 | 2.34 | 2.00 |
| Tennessee | 1.44 | 1.50 | 1.37 | 1.75 | 1.81 | 1.57 |
| Texas | 0.57 | 0.40 | 0.39 | 0.39 | 0.52 | 0.45 |
| Utah | 2.42 | 2.42 | 2.88 | 3.31 | 3.11 | 2.83 |
| Vermont | 3.03 | 3.07 | 1.16 | 3.79 | 4.37 | 3.08 |
| Virginia | 0.54 | 0.75 | 0.46 | 0.64 | 0.64 | 0.61 |
| **Washington** | **0.71** | **0.77** | **0.33** | **1.82** | **1.43** | **1.01** |
| West Virginia | 1.33 | 1.29 | 0.53 | 1.35 | 1.65 | 1.23 |
| Wisconsin | 0.28 | 0.29 | 0.15 | 0.30 | 0.36 | 0.28 |
| Wyoming | 3.08 | 2.92 | 1.60 | 3.04 | 3.51 | 2.83 |
| U.S. Average | 1.72 | 1.45 | 1.89 | 3.27 | 2.50 | 2.17 |
| **Washington's Rank** | **41** | **39** | **45** | **26** | **30** | **32** |

Source: National Assembly of State Arts Agencies, State Arts Agency Revenues, FY2024

*Though state arts agencies are the primary source for state funding, some states also fund the arts through other agencies, such as arts education funding through the Department of Education.

Table 4.10
Quality of Life
**Public Library Service**
(Circulation per Capita)

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2018-22 |
|---|---|---|---|---|---|---|
| Alabama | 4.1 | 4.2 | 3.1 | 3.4 | 3.5 | 3.6 |
| Alaska | 6.3 | 6.9 | 5.3 | 3.8 | 4.9 | 5.4 |
| Arizona | 6.2 | 6.8 | 6.5 | 3.8 | 5.2 | 5.7 |
| Arkansas | 4.6 | 4.6 | 3.0 | 3.9 | 4.0 | 4.0 |
| California | 5.8 | 5.8 | 4.5 | 3.4 | 4.8 | 4.8 |
| Colorado | 10.9 | 11.1 | 7.5 | 8.9 | 9.3 | 9.5 |
| Connecticut | 7.2 | 7.3 | 5.7 | 4.6 | 5.9 | 6.2 |
| Delaware | 5.7 | 5.7 | 6.2 | 4.2 | 6.1 | 5.6 |
| Florida | 4.8 | 4.8 | 3.7 | 3.5 | 3.9 | 4.1 |
| Georgia | 3.3 | 3.4 | 2.7 | 2.3 | 2.7 | 2.9 |
| Hawaii | 4.1 | 4.0 | 3.2 | 2.5 | 3.0 | 3.4 |
| Idaho | 9.1 | 9.2 | 6.7 | 6.8 | 7.5 | 7.9 |
| Illinois | 8.4 | 8.3 | 7.4 | 6.1 | 6.9 | 7.4 |
| Indiana | 10.7 | 9.7 | 6.2 | 6.7 | 7.2 | 8.1 |
| Iowa | 7.8 | 7.8 | 6.2 | 5.3 | 6.2 | 6.7 |
| Kansas | 8.8 | 8.7 | 5.9 | 6.8 | 6.9 | 7.4 |
| Kentucky | 6.5 | 6.5 | 5.7 | 4.1 | 4.6 | 5.5 |
| Louisiana | 4.6 | 4.7 | 3.2 | 3.8 | 4.5 | 4.2 |
| Maine | 6.2 | 6.0 | 4.3 | 3.8 | 4.7 | 5.0 |
| Maryland | 9.3 | 9.3 | 7.1 | 5.5 | 7.5 | 7.7 |
| Massachusetts | 7.8 | 8.0 | 6.6 | 5.4 | 7.5 | 7.1 |
| Michigan | 7.5 | 7.6 | 6.9 | 5.1 | 6.2 | 6.7 |
| Minnesota | 9.3 | 9.1 | 5.6 | 7.6 | 8.5 | 8.0 |
| Mississippi | 2.3 | 2.2 | 1.5 | 1.5 | 1.6 | 1.8 |
| Missouri | 8.7 | 8.4 | 8.0 | 6.5 | 7.4 | 7.8 |
| Montana | 5.7 | 5.7 | 4.6 | 3.8 | 4.6 | 4.9 |
| Nebraska | 6.7 | 7.1 | 4.8 | 5.8 | 6.3 | 6.2 |
| Nevada | 5.9 | 5.6 | 4.6 | 3.9 | 4.0 | 4.8 |
| New Hampshire | 7.5 | 7.4 | 5.1 | 5.1 | 5.8 | 6.2 |
| New Jersey | 5.7 | 5.7 | 3.4 | 4.3 | 4.6 | 4.8 |
| New Mexico | 4.4 | 4.5 | 3.6 | 3.0 | 3.5 | 3.8 |
| New York | 6.1 | 5.7 | 3.3 | 3.8 | 4.6 | 4.7 |
| North Carolina | 4.7 | 4.9 | 4.1 | 3.3 | 4.2 | 4.2 |
| North Dakota | 4.7 | 4.7 | 3.1 | 3.8 | 4.4 | 4.1 |
| Ohio | 15.0 | 15.3 | 9.8 | 11.3 | 12.0 | 12.7 |
| Oklahoma | 6.3 | 6.4 | 5.3 | 4.5 | 5.4 | 5.6 |
| Oregon | 13.0 | 12.9 | 10.1 | 7.8 | 10.8 | 10.9 |
| Pennsylvania | 4.7 | 5.0 | 3.6 | 3.7 | 4.2 | 4.2 |
| Rhode Island | 5.5 | 6.3 | 5.2 | 4.9 | 5.5 | 5.5 |
| South Carolina | 4.6 | 4.8 | 3.7 | 3.4 | 3.9 | 4.1 |
| South Dakota | 6.6 | 6.6 | 4.7 | 5.6 | 5.8 | 5.8 |
| Tennessee | 4.1 | 4.2 | 3.6 | 3.1 | 3.5 | 3.7 |
| Texas | 4.1 | 4.0 | 2.9 | 3.0 | 3.4 | 3.5 |
| Utah | 11.2 | 11.1 | 8.2 | 9.3 | 9.9 | 9.9 |
| Vermont | 6.8 | 6.8 | 6.0 | 4.8 | 5.8 | 6.0 |
| Virginia | 7.3 | 7.1 | 5.7 | 5.2 | 6.0 | 6.3 |
| **Washington** | **11.3** | **11.4** | **6.8** | **8.3** | **9.4** | **9.5** |
| West Virginia | 3.6 | 3.6 | 2.9 | 2.4 | 2.6 | 3.0 |
| Wisconsin | 9.5 | 9.3 | 5.8 | 7.0 | 7.6 | 7.8 |
| Wyoming | 7.9 | 7.8 | 7.0 | 6.7 | 7.2 | 7.3 |
| U.S. Average* | 6.9 | 6.9 | 5.2 | 4.9 | 5.7 | 5.9 |
| **Washington's Rank** | **3** | **3** | **10** | **4** | **4** | **5** |

Source: U.S. Institute of Museum and Library Services, Public Libraries in the United States Survey, 2023.

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