

# Snapshot of health system climate vulnerability and performance in...

## Oklahoma

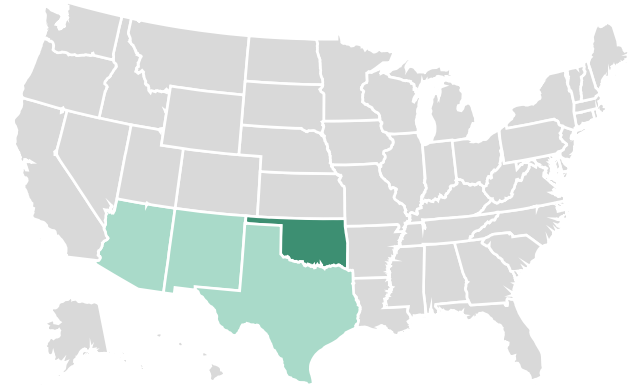


The  
Commonwealth  
Fund

Oklahoma ranks #39 overall.

	National Rank	Rank Among Southwestern States*
Average Annual Air Quality Index	44 of 51	2 of 4
Health Risk from Extreme Heat	44	1
Health Care Facility Risk from Natural Hazards	34	4
Health Care Facility Flood Risk	37	2
State Energy Efficiency Policy	41	4
State Electricity Emissions and Their Health Impact	24	2
Health Care Sector Greenhouse Gas (GHG) Emissions	19	3
Health Care Worker Commuting Emissions	39	4

Oklahoma ranks #1 in the Southwest region.



\*Note: Southwest region includes AZ, NM, OK, TX.

## How Oklahoma Compares to All States

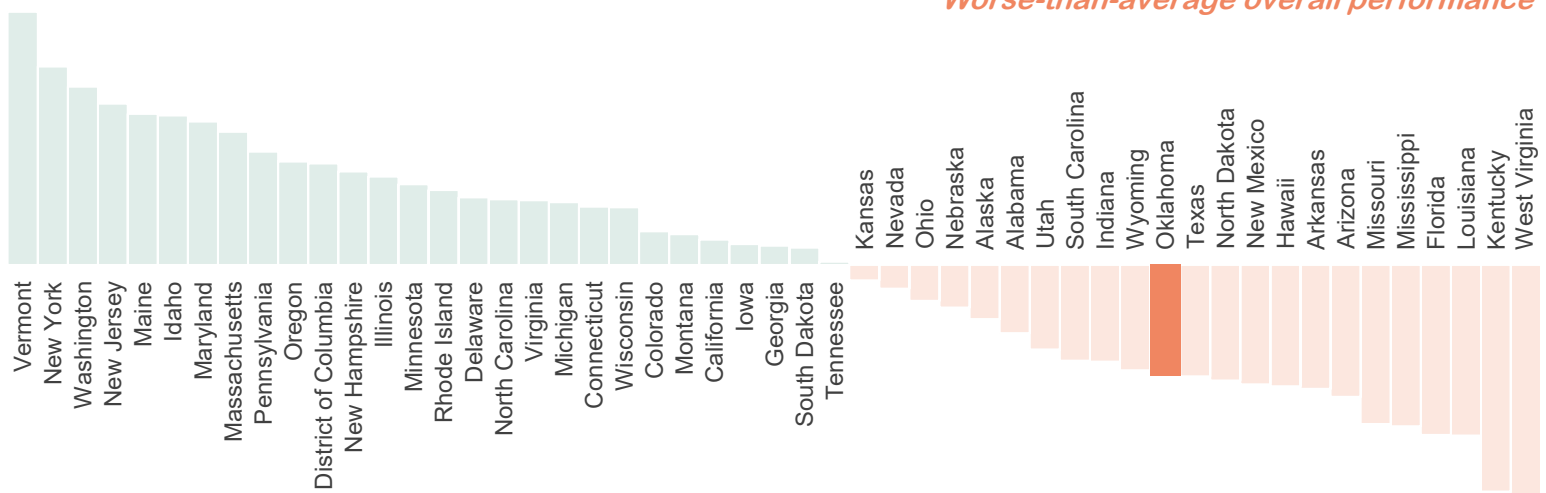




Table 1. Indicators of State Health System Climate Vulnerability and Performance

Indicator	Data year	State rate	U.S. average	State rank
<b>Average Annual Air Quality Index</b> Scale of 0–500, with values below 100 generally considered good/moderate air quality	2022	47	42	44
<b>Health Risk from Extreme Heat</b> CDC/ATSDR <sup>a</sup> Heat and Health Index (0–1), with 1 indicating greatest risk	2024	0.61	0.51	44
<b>Health Care Facility Risk from Natural Hazards</b> FEMA <sup>b</sup> National Risk Index (0–100), with 100 indicating greatest risk	2023	67	54	34
<b>Health Care Facility Flood Risk</b> Percent of inpatient facility beds in high-hazard flood zones	2023	2.8%	2.5%	37
<b>State Energy Efficiency Policy</b> ACEEE <sup>c</sup> Energy Efficiency Scorecard (0–50), with 50 indicating best performance	2022	5	17	41
<b>State Electricity Emissions and Their Health Impact</b> Health impact per unit of electricity generated, <sup>d</sup> where lower values indicate less health impact from emissions	2021	0.377	0.464	24
<b>Health Care Sector Greenhouse Gas (GHG) Emissions</b> Kilograms of carbon dioxide equivalent (kg CO <sub>2</sub> e) <sup>e</sup>	2020	1,156	1,362	19
<b>Health Care Worker Commuting Emissions</b> Transportation-related GHG emissions from health care facility employee commuting (kg CO <sub>2</sub> e per employee)	2022	2,428	2,169	39

 **Oklahoma ranked best on:**

**Health Care Sector Greenhouse Gas (GHG) Emissions**  
The Oklahoma health sector produces fewer greenhouse gas emissions per capita than in other states. This indicator helps gauge the sector’s role in driving climate change at the state level.

 **Oklahoma ranked worst on:**

**Average Annual Air Quality Index**  
Residents of Oklahoma experience poorer average air quality than other states in a given year.

**Notes:** (–) Indicates missing data. (a) Centers for Disease Control/Agency for Toxic Substances and Disease Registry (CDC/ATSDR). (b) Federal Emergency Management Agency (FEMA). (c) American Council for an Energy-Efficient Economy (ACEEE). (d) Measured in Disability-Adjusted Life Years (DALYs) per gigawatt-hour (GWh) of electricity generated; DALYs are a common measure of the burden of disease, representing years of healthy life lost. (e) Kilograms of CO<sub>2</sub>e stands for “carbon dioxide equivalent,” a standard measure of the warming effect of greenhouse gases.