

Colorado EnviroScreen 2.0 Report

Colorado EnviroScreen overview

Pueblo County

Census block group 081010031061

Colorado EnviroScreen percentile score

51.86

The EnviroScreen percentile score combines population characteristics and environmental burdens. The score ranges from zero to 100, with the higher scores representing the most significant burden.

Component scores

The component scores listed below make up the final Colorado EnviroScreen percentile score. Like the overall EnviroScreen score, component scores reflect relative rankings (percentiles).

Environmental exposures percentile score 31

The environmental exposure score represents a community's exposure to certain environmental risks relative to the rest of the state. The score ranges from zero to 100, with higher scores indicating higher burden. The environmental exposure score does not cover all pollutants; it is the average data on diesel particulate matter, traffic proximity, ozone, particulate matter 2.5, air toxics, other air pollutants, lead exposure risk, drinking water violations, and noise.

Environmental effects percentile score 57.88

The environmental effects score represents the number of hazardous or toxic sites in a community relative to the rest of the state. The score ranges from zero to 100, with a higher score indicating a higher burden. The score is the average of data on proximity to mining, oil and gas operations, impaired surface waters, wastewater discharge facilities, Superfund sites, facilities that use hazardous chemicals, and facilities that generate, treat, store, or dispose of hazardous wastes.

Climate vulnerability percentile score 10.83

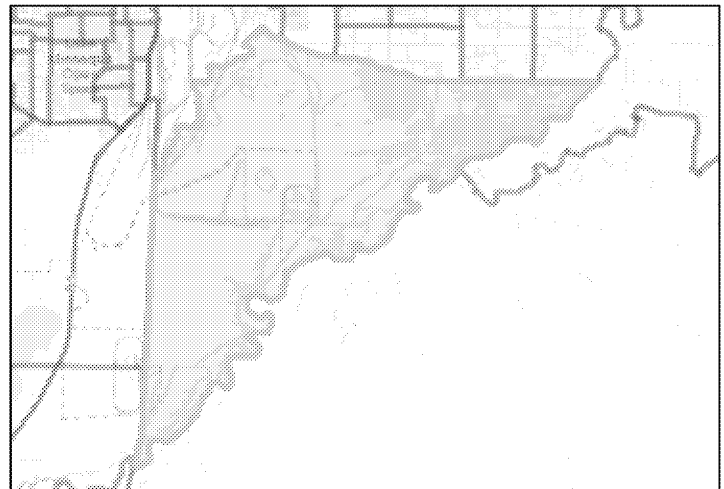
The climate burden score represents a community's risk of drought, flood, extreme heat, and wildfire compared to the rest of the state. The score ranges from zero to 100, the higher the score, the higher the burden.

Sensitive populations percentile score 52.02

The sensitive populations score captures how at risk a community is to environmental exposures and climate impacts related to health. For example, air pollution has a stronger impact on older and younger people and people with chronic conditions such as asthma. The score ranges from zero to 100, with a higher score being higher vulnerability. We calculate the score using data on asthma hospitalization rate, cancer prevalence, diabetes prevalence, heart disease prevalence, life expectancy, low birth weight rate, mental health, population over 65, and population under five.

Demographics percentile score 72.27

The demographics score represents a community's social and economic vulnerabilities. The score ranges from zero to 100, with a higher number representing a higher vulnerability. We calculate it using data on people with disabilities, housing cost burden, educational attainment, limited English proficiency, income, and race and ethnicity.



The pollution and climate indicators section lists the selected census block group's environmental exposures, environmental effects, and climate vulnerability indicator percentile scores. See pages 25 to 31 of the Colorado EnviroScreen technical documentation for the pollution and climate indicator data sources and methodology. The indicator percentile ranking is highlighted in red if it is above the 80th percentile, indicating that the census block group and the selected location have a higher burden based on that indicator than other Colorado communities.

Pollution and climate indicators

Indicator	Value	Unit	Percentile
Air toxics emissions	0.03	distance weighted measure of estimated air toxics emissions	55.24
Diesel particulate matter	0.05	micrograms per cubic meter	19.91
Drinking water regulations	62.75	population weighted duration (in weeks) of resolved and unresolved health based violations from active community public water systems	78.47
Fine particle pollution (PM 2.5)	6.14	micrograms per cubic meter	20.06
Impaired streams and rivers	51.94	average impairment and assessment status of streams	25.37
Lead exposure risk	0.16	percentage of housing units built before 1960, as an indicator of potential exposure to lead	48.18
Noise	37.45	decibels A	15.28
Other air pollutants	0.67	distance weighted measure of estimated other air pollutant emissions	99.79
Ozone	46.72	parts per billion	17.32
Proximity to hazardous waste facilities	0.77	distance weighted count of hazardous waste facilities within 10 km	34.52
Proximity to mining locations	0.93	distance weighted measure of the total number of active coal, hard rock, and construction materials mining permits	74.13
Proximity to National Priorities List sites	0.19	distance weighted count of proposed or listed NPL sites within 10 km	30.45
Proximity to oil and gas sites	0	distance weighted measure of the total number of active oil and gas locations	0
Proximity to Risk Management Plan sites	0.46	distance weighted count of RMP facilities within 10 km	46.72
Traffic proximity and volume	381118.99	amount of vehicular traffic nearby, and distance from roads	25.91
Wastewater discharge indicator	20814.3	toxic chemical concentrations in stream segments per km	88.58
Drought	42.91	sum of weekly total percent of an area experiencing a severe, extreme, or exceptional drought	82.06
Extreme heat days	22.25	average number of high heat days between May and September from 2019 to 2023	12.81
Floodplains	0	percentage of each geographic area where there is at least a one percent chance of flooding annually	0
Wildfire risk	215.39	mean wildfire hazard potential within each geographic area as determined by the US Forest Service, 2023	11.48

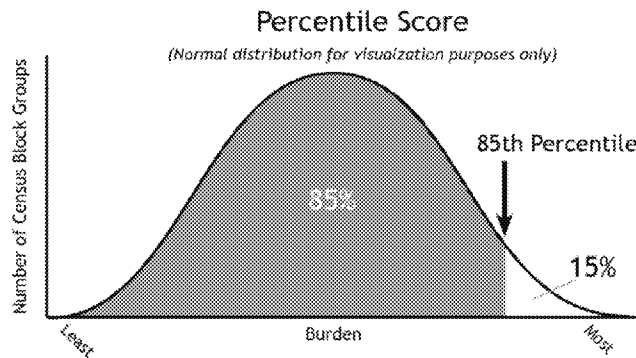
The health and social indicators section lists the selected census block group's sensitive populations and demographics percentile scores. See pages 36 to 52 of the Colorado EnviroScreen technical documentation for the health and social Indicators data sources and methodology. The indicator percentile ranking is highlighted in red if it is above the 80th percentile, indicating that the census block group and the selected location have a higher burden based on that indicator than other Colorado communities.

Health and Social Indicators

Indicator	Value	Unit	Percentile
Asthma hospitalization rate	36.53	rate of hospitalization per 100,000 people	56.25
Cancer index	32.41	percent of adults	13.51
Diabetes index	61.56	percent of adults	59.76
Heart Disease index	53.54	percent of adults	48.86
Life expectancy	74.8	years	91.64
Low birth weight	7.9	percent of singleton births	28.69
Mental health indicator	16.8	percent of adults	57.83
Population over 64 years of age	27.52	percent of total population	86.25
Population under five years of age	1.69	percent of total population	11.18
Disability	26.24	percent of total population	98.49
Housing cost burdened	17.05	percent of households	15.76
Less than High School education	7	percent of total population	55.07
Linguistic isolation	0	percent of total population	0
Low income	32.35	percent of total population	71.42
People of color	67.34	percent of total population	90.85

Understanding the Data

The values shown in the last column of the Pollution and Climate Indicator and Health and Social Indicator tables are percentiles. Percentiles are a way to see how one area compares to other areas in Colorado. Percentile values range from 0 - 100. A higher score indicates a higher burden. Specifically, the percentile tells you the percentage of places in Colorado that have a lower score than the selected location. For example, an area with an 85 percentile score for the noise indicator ranks in the top 15% of areas impacted by noise in Colorado. That means that 85% of the other census block groups in Colorado have a lower score for noise impacts.



The data in the report comes from Colorado EnviroScreen version 2.0. Developed in 2022 by CDPHE and Colorado State University, EnviroScreen maps the overlap of environmental exposures and effects, climate vulnerability, sensitive populations, and demographics to better understand environmental injustice and environmental health risks in Colorado. For more detailed information on the data sources used in Colorado EnviroScreen Version 2.0 see the [technical documentation](#).

Colorado EnviroScreen does:

- Show which areas in Colorado are more likely to have higher environmental health injustices.
- Identify areas in Colorado where government agencies can prioritize resources and work to reduce pollution and other sources of environmental injustice.
- Provide information to empower communities to advocate to improve public health and the environment.
- Identify areas that meet the updated definition of "Disproportionately Impacted Community" under House Bill 23-1233 adopted a definition that applies to all state agencies, including CDPHE.

Colorado EnviroScreen does not:

- Define a healthy or unhealthy environment.
- Establish causal associations between environmental risks and health.
- Define all areas that may be affected by environmental injustice or specific environmental risks.
- Provide information about an individual person's health status or environment.
- Take all environmental exposures into account.
- Tell us about smaller areas within a census block group that may be more vulnerable to environmental exposures than other areas.
- Provide information about non-human health or ecosystem risks.

Disproportionately impacted community definition criteria

Criteria	Yes/No	Value
Low-income population above 40%	No	32.35%
People of color population above 40%	Yes	67.34%
Linguistically isolated households above 20%	No	0%
Housing cost-burdened population above 50%	No	17.05%
Area under tribal jurisdiction	No	N/A
Colorado EnviroScreen percentile score	No	51.86
Within a Justice 40 census tract	No	N/A

The table above lists the disproportionately impacted community criteria outlined in Colorado Revised Statute 24-4-109. CDPHE released the most recent version of the disproportionately impacted community map in November 2024.

Demographic data are from the Census Bureau American Community Survey 2018-2022. Colorado EnviroScreen Percentile Score comes from Colorado EnviroScreen version 2.0, released November 2024. Areas identified as “within a Justice 40 Census Tract” are flagged as “Disadvantaged” by the Climate and Economic Justice Screening Tool released in November 2022, which aims to identify communities for the Justice40 Initiative.

For more information about the definition of Colorado EnviroScreen, visit <https://cdphe.colorado.gov/ej/learn>.

Additional Resources

[CDPHE Office of Environmental Justice](#)

[Colorado EnviroScreen version 2.0 Reports, Guides, and Resources folder](#)