**WEBSTER COUNTY**

**ENVIRONMENTAL HEALTH PROFILE**

Life expectancy is 77.6 years

- 26.8% of people smoke
- 4.8% of people are minorities
- 18.4% of people live in poverty

The median household income is $45,185

### HEALTH

**Asthma Hospitalizations**

- *Age-adjusted rate of hospitalizations per 10,000 people in 2016*
  - 1.9
  - State Rate: 6.6

**COPD Hospitalizations**

- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 27.4
  - State Rate: 26.1

**Carbon Monoxide Hospitalizations**

- *Age-adjusted rate of hospitalizations per 100,000 people in 2016*
  - 0.0
  - State Rate: 1.0

**Heart Attack Hospitalizations**

- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 26.4
  - State Rate: 23.4

**Melanoma Incidence**

- *Age-adjusted rate of incidence per 100,000 people in 2016*
  - 29.1
  - State Rate: 27.9

**Asthma ER Visits**

- Age-adjusted rate of ER visits per 10,000 people in 2016
  - 19.3
  - State Rate: 50.9

**COPD ER Visits**

- Age-adjusted rate of ER visits per 10,000 people in 2016
  - 58.3
  - State Rate: 75.5

**Carbon Monoxide ER Visits**

- *Age-adjusted rate of ER visits per 100,000 people in 2016*
  - 0.0
  - State Rate: 4.9

**Heat Related Illness**

- Age-adjusted rate of ER visits per 100,000 people in 2016
  - 45.1
  - State Rate: 55.8

**Lung Cancer Incidence**

- Age-adjusted rate of incidence per 100,000 people in 2016
  - 65.4
  - State Rate: 68.2

### DRINKING WATER

**Public Drinking Water Systems**

- 14 Number of public drinking water systems

**Private Drinking Water Wells**

- 5027 Number of private drinking water wells

- At or Above State Rate
- Below State Rate

* Counts less than 20 are considered unreliable.
Ø Non-zero counts less than 5 are suppressed for patient confidentiality.

MISSOURI ENVIRONMENTAL PUBLIC HEALTH TRACKING PROGRAM
Bureau of Environmental Epidemiology
Missouri Department of Health & Senior Services
ephn.dhss.mo.gov | EPHTN@health.mo.gov
WEBSTER COUNTY
ENVIRONMENTAL HEALTH PROFILE

AIR QUALITY

Asthma/ Lung Disease
- No Air Monitors: Number of unhealthy days for people with asthma/ lung disease in 2016
- Maximum for counties with monitors: 12

Heart Disease
- No Air Monitors: Number of unhealthy days for people with heart disease in 2016
- Maximum for counties with monitors: 1

Children and Elderly
- No Air Monitors: Number of unhealthy days for children and the elderly in 2016
- Maximum for counties with monitors: 12

Active People
- No Air Monitors: Number of unhealthy days for people active outdoors in 2016
- Maximum for counties with monitors: 12

CLIMATE

Extreme Precipitation
- 10: Number of days with more than 1 inch of precipitation in 2016

Extreme Heat
- 32: Number of days with a high temperature above 90º F in 2016

Severe Drought
- 0: Number of weeks with severe drought in 2016

ENVIRONMENT

Environmental Remediation Program
Follow this link to the Missouri Department of Natural Resources website to view a map and find information about hazardous substance investigation and cleanup sites.

Fish Consumption Advisories
- Statewide Advisory for Sensitive Populations:

- Women who are pregnant, nursing, or of childbearing age, and children younger than 13.
- All U.S. water bodies: All Fish (All Sizes)- 1 serving/ week.
- All MO water bodies: Walleye, Largemouth, Smallmouth, & Spotted Bass (>12")- 1 serving/ month; Flathead, Channel, & Blue Catfish (>30") 1 serving/ month.

RADON

Percent Elevated
- 13.6%: Percent of homes tested between 2008-2018 with elevated radon levels

Percent Tested
- 0.5%: Percent of homes tested between 2008-2018

LEAD

Lead Exposure Risk Factors:
- Childhood blood lead testing rate below state average
- Elevated blood lead confirmation rate below state average

Missouri Lead Exposure Risk Tool

MISSOURI ENVIRONMENTAL PUBLIC HEALTH TRACKING PROGRAM
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^Women who are pregnant, nursing, or of childbearing age, and children younger than 13. All U.S. water bodies: All Fish (All Sizes)- 1 serving/ week. All MO water bodies: Walleye, Largemouth, Smallmouth, & Spotted Bass (>12")- 1 serving/ month; Flathead, Channel, & Blue Catfish (>30") 1 serving/ month.
<table>
<thead>
<tr>
<th>Source</th>
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<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Smoking</td>
<td>MOPHIMS - County-Level Study Profile 2016</td>
<td>Percentage of adults who currently smoke cigarettes. State rate: 21.9%. Source: DHSS – Missouri Public Health Information Management System (MOPHIMS), Missouri County Level Study.</td>
</tr>
<tr>
<td>Minorities</td>
<td>U.S. Census Bureau 2010</td>
<td>Percentage of racial and ethnic minorities. State rate: 19%. Source: 2010 U.S. Census, Summary File 1, Table GCT-P3.</td>
</tr>
<tr>
<td>Asthma</td>
<td>MOPHIMS-EPHT 2016</td>
<td>Age-adjusted rates of emergency room (ER) visits and hospitalizations for asthma and COPD; and hospitalizations for heart attack per 10,000 people, based on the 2000 U.S. Census standard population. Source: DHSS MOPHIMS-Environmental Public Health Tracking (EPHT).</td>
</tr>
<tr>
<td>COPD</td>
<td>DHSS-EPHT 2016</td>
<td>Age-adjusted rates of ER visits and hospitalizations for carbon monoxide poisoning; incidence of melanoma; and incidence of lung cancer per 100,000 people, based on the 2000 U.S. Census standard population. Source: DHSS MOPHIMS-EPHT (carbon monoxide and heart attack data); DHSS MOPHIMS-Missouri Information for Community Assessment (MICA) (cancer incidence).</td>
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<td>Heart Attack</td>
<td>DHSS-EPHT 2016</td>
<td>Age-adjusted rates of ER visits per 100,000 people, based on the 2000 U.S. Census standard population. Source: DHSS Bureau of Environmental Epidemiology, EPHT.</td>
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<tr>
<td>Carbon Monoxide</td>
<td>MOPHIMS-EPHT 2016</td>
<td>Age-adjusted rates of ER visits and hospitalizations for carbon monoxide poisoning; incidence of melanoma; and incidence of lung cancer per 100,000 people, based on the 2000 U.S. Census standard population. Source: DHSS MOPHIMS-EPHT (carbon monoxide and heart attack data); DHSS MOPHIMS-Missouri Information for Community Assessment (MICA) (cancer incidence).</td>
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<td>Melanoma</td>
<td>MOPHIMS-MICA 2016</td>
<td>Age-adjusted rates of ER visits and hospitalizations for carbon monoxide poisoning; incidence of melanoma; and incidence of lung cancer per 100,000 people, based on the 2000 U.S. Census standard population. Source: DHSS MOPHIMS-EPHT (carbon monoxide and heart attack data); DHSS MOPHIMS-Missouri Information for Community Assessment (MICA) (cancer incidence).</td>
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<td>Lung Cancer</td>
<td>DHSS-EPHT 2016</td>
<td>Age-adjusted rates of ER visits per 100,000 people, based on the 2000 U.S. Census standard population. Source: DHSS Bureau of Environmental Epidemiology, EPHT.</td>
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<td>Heat Related Illness</td>
<td>DHSS-EPHT 2016</td>
<td>Age-adjusted rates of ER visits per 100,000 people, based on the 2000 U.S. Census standard population. Source: DHSS Bureau of Environmental Epidemiology, EPHT.</td>
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**DRINKING WATER**

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**ABOUT THE DATA**

ENVIRONMENTAL HEALTH PROFILE

**HEALTH**

**DRINKING WATER**

MISSOURI ENVIRONMENTAL PUBLIC HEALTH TRACKING PROGRAM

Bureau of Environmental Epidemiology

Missouri Department of Health & Senior Services
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**AIR QUALITY**

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<td>Asthma/ Lung Disease Children and Elderly Heart Disease Active People</td>
<td>EPA AirCompare MOPHIMS-EPHT 2016</td>
<td>Number of unhealthy days for populations with asthma or other chronic lung disease; children and the elderly; populations with heart disease; and active people. Source: EPA AirCompare tool, based on air quality data collected from air monitors in 24 counties. Air quality data available from DHSS MOPHIMS-EPHT.</td>
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**CLIMATE**

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<td>Extreme Precipitation</td>
<td>National EPHT Portal 2016</td>
<td>Number of days with one or more inches of precipitation. Source: CDC, National Environmental Public Health Tracking Data Explorer.</td>
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<td>Extreme Heat</td>
<td>National EPHT Portal 2016</td>
<td>Number of days with a high temperature at or above 90°F. Source: CDC, National Environmental Public Health Tracking Data Explorer.</td>
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<td>Severe Drought</td>
<td>National EPHT Portal 2016</td>
<td>Number of weeks with severe drought. Source: CDC, National Environmental Public Health Tracking Data Explorer.</td>
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**ENVIRONMENT**

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<td>Environmental Remediation</td>
<td>DNR Environmental Remediation Program 2019</td>
<td>The Missouri Department of Natural Resources, Environmental Remediation Program maintains a map and logs information on all hazardous substance investigation and cleanup sites in the state.</td>
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<td>Fish Consumption Advisories</td>
<td>Fish Advisories 2019</td>
<td>2019 Missouri Fish Advisories. Source: DHSS Bureau of Environmental Epidemiology.</td>
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**RADON**

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<tr>
<td>Percent Elevated</td>
<td>DHSS-EPHT 2008-2018</td>
<td>Percentage of homes with test results showing elevated (&gt; 4 pCi/L) radon levels. Source: DHSS Bureau of Environmental Epidemiology, Indoor Air Quality Database.</td>
</tr>
<tr>
<td>Percent Tested</td>
<td>DHSS-EPHT American Community Survey 2008-2018</td>
<td>Percentage of homes tested for radon. Source: DHSS Bureau of Environmental Epidemiology, Indoor Air Quality Database (radon data); American Community Survey, 2018 Population Estimates, Table PEPANNHU (housing data).</td>
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**LEAD**

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<td>Lead Exposure Risk Factors</td>
<td>DHSS-EPHT 2018</td>
<td>Lead exposure risk factors contributing to the overall exposure risk. Source: DHSS Bureau of Environmental Epidemiology, EPHT.</td>
</tr>
<tr>
<td>Missouri Lead Exposure Risk Tool</td>
<td>DHSS-EPHT 2018</td>
<td>Statewide break down of lead exposure risk factors by county and zip code. Source: DHSS Bureau of Environmental Epidemiology, EPHT.</td>
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