HEALTH

Asthma Hospitalizations

* Age-adjusted rate of hospitalizations per 10,000 people in 2016

- 3.1 State Rate: 6.6

Asthma ER Visits

- 41.0 Age-adjusted rate of ER visits per 10,000 people in 2016

State Rate: 50.9

COPD Hospitalizations

- 21.3 Age-adjusted rate of hospitalizations per 10,000 people in 2016

State Rate: 26.1

COPD ER Visits

- 70.8 Age-adjusted rate of ER visits per 10,000 people in 2016

State Rate: 75.5

Carbon Monoxide Hospitalizations

* Age-adjusted rate of hospitalizations per 100,000 people in 2016

- 0.0 State Rate: 1.0

Carbon Monoxide ER Visits

Ø Age-adjusted rate of ER visits per 100,000 people in 2016

State Rate: 4.9

Heart Attack Hospitalizations

- 24.8 Age-adjusted rate of hospitalizations per 10,000 people in 2016

State Rate: 23.4

Heat Related Illness

- 58.0 Age-adjusted rate of ER visits per 100,000 people in 2016

State Rate: 55.8

Melanoma Incidence

* Age-adjusted rate of incidence per 100,000 people in 2016

- 21.8 State Rate: 27.9

Lung Cancer Incidence

- 57.5 Age-adjusted rate of incidence per 100,000 people in 2016

State Rate: 68.2

DRINKING WATER

Public Drinking Water Systems

- 8 Number of public drinking water systems

Private Drinking Water Wells

- 244 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.
AUDRAIN 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**
- 8 Number of days with more than 1 inch of precipitation in 2016

**Extreme Heat**
- 50 Number of days with a high temperature above 90°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^

**RADON**

**Percent Elevated**
- 23.8% Percent of homes tested between 2008-2018 with elevated radon levels

**Percent Tested**
- 0.6% Percent of homes tested between 2008-2018

**LEAD**

**Lead Exposure Risk Factors:**
- Childhood elevated blood lead rate above state average
- Elevated blood lead confirmation rate below state average
- Pre 1980 Housing Rate above state average

**Missouri Lead Exposure Risk Tool**

^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.

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

Environmental Public Health Tracking Program
### About the Data

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOPHIMS - County-Level Study Profile</td>
<td>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>U.S. Census Bureau</td>
<td>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>
</tbody>
</table>

### Health

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<tr>
<td>MOPHIMS-EPHT</td>
<td>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>DHSS-EPHT</td>
<td></td>
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<tr>
<td>MOPHIMS-EPHT</td>
<td>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>DHSS-EPHT</td>
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<td>Age-adjusted rate 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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<tbody>
<tr>
<td>Public Drinking Water Systems</td>
<td>2019</td>
<td>Number of public drinking water systems. Source: Department of Natural Resources, Public Drinking Water Branch. Water quality data available from DHSS MOPHIMS-EPHT.</td>
</tr>
</tbody>
</table>

### Missouri Environmental Public Health Tracking Program

Bureau of Environmental Epidemiology
Missouri Department of Health & Senior Services
dphn.dhss.mo.gov | EPHTN@health.mo.gov
### AIR QUALITY

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<tbody>
<tr>
<td>Asthma/ Lung Disease</td>
<td></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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<td>Children and Elderly</td>
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### CLIMATE

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<td>Extreme Precipitation</td>
<td>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>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>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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<tr>
<td>Environmental Remediation</td>
<td>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>
</tr>
<tr>
<td>Fish Consumption Advisories</td>
<td>2019</td>
<td>2019 Missouri Fish Advisories. Source: DHSS Bureau of Environmental Epidemiology.</td>
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### RADON

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<tbody>
<tr>
<td>Percent Elevated</td>
<td>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>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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<tbody>
<tr>
<td>Lead Exposure Risk Factors</td>
<td>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>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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