## Health

### Asthma Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - State Rate: 6.6
- 30.8% of people smoke

### COPD Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - State Rate: 26.1
- 21.2% of people live in poverty

### Carbon Monoxide Hospitalizations
- Age-adjusted rate of hospitalizations per 100,000 people in 2016
  - State Rate: 1.0

### Heart Attack Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - State Rate: 23.4

### Melanoma Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - State Rate: 27.9

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

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

### Carbon Monoxide ER Visits
- Age-adjusted rate of ER visits per 100,000 people in 2016
  - State Rate: 4.9

### Heat Related Illness
- Age-adjusted rate of ER visits per 100,000 people in 2016
  - State Rate: 68.2

### Lung Cancer Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - State Rate: 68.2

## Drinking Water

### Public Drinking Water Systems
- Number of public drinking water systems
- 11

### Private Drinking Water Wells
- Number of private drinking water wells
- 922

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

<table>
<thead>
<tr>
<th>Asthma/Lung Disease</th>
<th>0</th>
<th>Number of unhealthy days for people with asthma/lung disease in 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Maximum for counties with monitors: 12</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>0</td>
<td>Number of unhealthy days for people with heart disease in 2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum for counties with monitors: 1</td>
</tr>
<tr>
<td>Children and Elderly</td>
<td>0</td>
<td>Number of unhealthy days for children and the elderly in 2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum for counties with monitors: 12</td>
</tr>
<tr>
<td>Active People</td>
<td>0</td>
<td>Number of unhealthy days for people active outdoors in 2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum for counties with monitors: 12</td>
</tr>
</tbody>
</table>

### CLIMATE

<table>
<thead>
<tr>
<th>Extreme Precipitation</th>
<th>12</th>
<th>Number of days with more than 1 inch of precipitation in 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extreme Heat</td>
<td>21</td>
<td>Number of days with a high temperature above 90°F in 2016</td>
</tr>
<tr>
<td>Severe Drought</td>
<td>0</td>
<td>Number of weeks with severe drought in 2016</td>
</tr>
</tbody>
</table>

### 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^  
- Big Creek: Sunfish (All Sizes)- Do Not Eat

#### 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.

### RADON

<table>
<thead>
<tr>
<th>Percent Elevated</th>
<th>42.9%</th>
<th>Percent of homes tested between 2008-2018 with elevated radon levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Tested</td>
<td>0.3%</td>
<td>Percent of homes tested between 2008-2018</td>
</tr>
</tbody>
</table>

### LEAD

#### Lead Exposure Risk Factors:
- Childhood elevated blood lead rate above state average  
- Pre 1980 Housing Rate above state average  
- NPL or IMM Lead Sites  
- Adult elevated blood lead rate above state average

#### Missouri Lead Exposure Risk Tool


Asthma: MOPHIMS-EPHT (2016): 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).

COPD: DHSS-EPHT (2016): 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).

Heart Attack: DHSS-EPHT (2016): 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.

Carbon Monoxide: MOPHIMS-EPHT (2016)

Melanoma: MOPHIMS-MICA (2016)

Lung Cancer: DHSS-EPHT (2016)

Heat Related Illness: DHSS-EPHT (2016)


<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asthma/Lung Disease</td>
<td>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>
</tr>
<tr>
<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>
</tr>
<tr>
<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>
</tr>
<tr>
<td>Severe Drought</td>
<td>2016</td>
<td>Number of weeks with severe drought. Source: CDC, National Environmental Public Health Tracking Data Explorer.</td>
</tr>
<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>
</tr>
<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 PEPANNU (housing data).</td>
</tr>
<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>
</tr>
</tbody>
</table>