## Health

### Asthma Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - County Rate: 26.1 State Rate: 6.6

### COPD Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - County Rate: 16.4 State Rate: 26.1

### Carbon Monoxide Hospitalizations
- Age-adjusted rate of hospitalizations per 100,000 people in 2016
  - County Rate: 0.0 State Rate: 1.0

### Heart Attack Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - County Rate: 13.9 State Rate: 23.4

### Melanoma Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - County Rate: 43.8 State Rate: 27.9

### Asthma ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - County Rate: 12.1 State Rate: 50.9

### COPD ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - County Rate: 66.7 State Rate: 75.5

### Carbon Monoxide ER Visits
- Age-adjusted rate of ER visits per 100,000 people in 2016
  - County Rate: 0.0 State Rate: 4.9

### Heat Related Illness
- Age-adjusted rate of ER visits per 100,000 people in 2016
  - County Rate: 30.3 State Rate: 55.8

### Lung Cancer Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - County Rate: 30.5 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: 86

* 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>Condition</th>
<th>Healthy Days</th>
<th>Unhealthy Days</th>
<th>Maximum Monitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asthma/ Lung Disease</td>
<td>0</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Children and Elderly</td>
<td>0</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>Active People</td>
<td>0</td>
<td>0</td>
<td>12</td>
</tr>
</tbody>
</table>

### CLIMATE

<table>
<thead>
<tr>
<th>Condition</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extreme Precipitation</td>
<td>11</td>
</tr>
<tr>
<td>Extreme Heat</td>
<td>55</td>
</tr>
<tr>
<td>Severe Drought</td>
<td>0</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
- Missouri River: Shovelnose Sturgeon (All Sizes)- 1 serving/month; Sturgeon Eggs- Do Not Eat; Flathead, Channel, & Blue Catfish (>17”)- 1 serving/ week; Buffalo (All Sizes)- 1 serving/ month; Common Carp (>21”)- 1 serving/ week

### RADON

<table>
<thead>
<tr>
<th>Percent Elevated</th>
<th>55.8%</th>
</tr>
</thead>
</table>

Percent of homes tested between 2008-2018 with elevated radon levels

<table>
<thead>
<tr>
<th>Percent Tested</th>
<th>1.4%</th>
</tr>
</thead>
</table>

Percent of homes tested between 2008-2018

### LEAD

#### Lead Exposure Risk Factors:
- Pre 1980 Housing Rate above state average
- Adult elevated blood lead 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.
<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<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</td>
<td></td>
</tr>
<tr>
<td>Heart Attack</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>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>MOPHIMS-EPHT 2016</td>
<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>
</tr>
<tr>
<td>Melanoma</td>
<td>MOPHIMS-MICA</td>
<td></td>
</tr>
<tr>
<td>Lung Cancer</td>
<td>DHSS-EPHT</td>
<td></td>
</tr>
<tr>
<td>Heat Related Illness</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>
</tr>
</tbody>
</table>

### DRINKING WATER

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MOPHIMS-EPHT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DHSS-EPHT</td>
<td></td>
</tr>
</tbody>
</table>
### AIR QUALITY

**Asthma/ Lung Disease**
- **Source**: EPA AirCompare, MOPHIMS-EPHT
- **Years**: 2016
- **Description**: 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.

**Heart Disease**

**Active People**

### CLIMATE

**Extreme Precipitation**
- **Source**: National EPHT Portal
- **Years**: 2016
- **Description**: Number of days with one or more inches of precipitation. Source: CDC, National Environmental Public Health Tracking Data Explorer.

**Extreme Heat**
- **Source**: National EPHT Portal
- **Years**: 2016
- **Description**: Number of days with a high temperature at or above 90°F. Source: CDC, National Environmental Public Health Tracking Data Explorer.

**Severe Drought**
- **Source**: National EPHT Portal
- **Years**: 2016
- **Description**: Number of weeks with severe drought. Source: CDC, National Environmental Public Health Tracking Data Explorer.

### ENVIRONMENT

**Environmental Remediation**
- **Source**: DNR Environmental Remediation Program
- **Years**: 2019
- **Description**: 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.

**Fish Consumption Advisories**
- **Source**: Fish Advisories
- **Years**: 2019
- **Description**: 2019 Missouri Fish Advisories. Source: DHSS Bureau of Environmental Epidemiology.

### RADON

**Percent Elevated**
- **Source**: DHSS-EPHT
- **Years**: 2008-2018
- **Description**: Percentage of homes with test results showing elevated (> 4 pCi/L) radon levels. Source: DHSS Bureau of Environmental Epidemiology, Indoor Air Quality Database.

**Percent Tested**
- **Source**: DHSS-EPHT, American Community Survey
- **Years**: 2008-2018
- **Description**: 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).

### LEAD

**Lead Exposure Risk Factors**
- **Source**: DHSS-EPHT
- **Years**: 2018
- **Description**: Lead exposure risk factors contributing to the overall exposure risk. Source: DHSS Bureau of Environmental Epidemiology, EPHT.

**Missouri Lead Exposure Risk Tool**
- **Source**: DHSS-EPHT
- **Years**: 2018
- **Description**: Statewide break down of lead exposure risk factors by county and zip code. Source: DHSS Bureau of Environmental Epidemiology, EPHT.