HEALTH

Asthma Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 6.4
  - State Rate: 6.6

COPD Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 59.7
  - State Rate: 26.1

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

Heart Attack Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 21.9
  - State Rate: 23.4

Melanoma Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - 41.5
  - State Rate: 27.9

Asthma ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - 30.8
  - State Rate: 50.9

COPD ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - 128.0
  - State Rate: 75.5

Carbon Monoxide ER Visits
- Age-adjusted rate of ER visits per 100,000 people in 2016
  - 17.7
  - State Rate: 4.9

Heat Related Illness
- Age-adjusted rate of ER visits per 100,000 people in 2016
  - 42.4
  - State Rate: 55.8

Lung Cancer Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - 94.0
  - State Rate: 68.2

DRINKING WATER

Public Drinking Water Systems
- Number of public drinking water systems
  - 3

Private Drinking Water Wells
- Number of private drinking water wells
  - 72

* Counts less than 20 are considered unreliable.
Ø Non-zero counts less than 5 are suppressed for patient confidentiality.
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
5
Number of days with more than 1 inch of precipitation in 2016

Extreme Heat
64
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^• Mississippi 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

Missouri Lead Exposure Risk Tool

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

RADON

Percent Elevated
38.4%
Percent of homes tested between 2008-2018 with elevated radon levels

Percent Tested
0.8%
Percent of homes tested between 2008-2018

LEAD

Percent Elevated
38.4%
Percent of homes tested between 2008-2018 with elevated radon levels

Percent Tested
0.8%
Percent of homes tested between 2008-2018

^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.
### ABOUT THE DATA

**ENVIRONMENTAL HEALTH PROFILE**

<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</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</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

- **Asthma**
  - Source: MOPHIMS-EPHT
  - Years: 2016
  - Description: 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**
  - Source: DHSS-EPHT
  - Years: 2016
  - Description: 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-EPHT (carbon monoxide and heart attack data); DHSS MOPHIMS-Missouri Information for Community Assessment (MICA) (cancer incidence).

- **Heart Attack**
  - Source: MOPHIMS-EPHT
  - Years: 2016
  - Description: Age-adjusted rates of emergency room (ER) visits and hospitalizations for heart attack per 10,000 people, based on the 2000 U.S. Census standard population. Source: DHSS Bureau of Environmental Epidemiology, EPHT.

- **Carbon Monoxide**
  - Source: MOPHIMS-EPHT
  - Years: 2016
  - Description: Age-adjusted rates of emergency room (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).

- **Melanoma**
  - Source: MOPHIMS-MICA
  - Years: 2016
  - Description: Age-adjusted rates of emergency room (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).

- **Lung Cancer**
  - Source: DHSS-EPHT
  - Years: 2016
  - Description: Age-adjusted rates of emergency room (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 Bureau of Environmental Epidemiology, EPHT.

- **Heat Related Illness**
  - Source: DHSS-EPHT
  - Years: 2016
  - Description: Age-adjusted rate of emergency room (ER) visits per 100,000 people, based on the 2000 U.S. Census standard population. Source: DHSS Bureau of Environmental Epidemiology, EPHT.

### DRINKING WATER

- **Public Drinking Water Systems**
  - Source: Public Drinking Water
  - Years: 2019
  - Description: Number of public drinking water systems. Source: Department of Natural Resources, Public Drinking Water Branch. Water quality data available from DHSS MOPHIMS-EPHT.

- **Private Drinking Water Wells**
  - Source: Private Drinking Water
  - Years: 1978-2017
  - Description: Number of private drinking water wells. Source: DHSS Bureau of Environmental Epidemiology, EPHT and Private Drinking Water Program.
### AIR QUALITY

<table>
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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>
</tr>
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<td>Children and Elderly</td>
<td></td>
<td></td>
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### CLIMATE

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<tbody>
<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>
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<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>
</tbody>
</table>

### 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>
</tr>
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</table>

### RADON

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>

### LEAD

<table>
<thead>
<tr>
<th>Source</th>
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</tr>
</thead>
<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>
</tr>
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</table>