### HEALTH

#### Asthma Hospitalizations
- **Age-adjusted rate of hospitalizations per 10,000 people in 2016**
  - State Rate: 6.6
  - * 2.2

#### COPD Hospitalizations
- **Age-adjusted rate of hospitalizations per 10,000 people in 2016**
  - State Rate: 26.1
  - 16.3

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

#### Heart Attack Hospitalizations
- **Age-adjusted rate of hospitalizations per 10,000 people in 2016**
  - State Rate: 23.4
  - 28.5

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

#### Asthma ER Visits
- **Age-adjusted rate of ER visits per 10,000 people in 2016**
  - State Rate: 50.9
  - 18.9

#### COPD ER Visits
- **Age-adjusted rate of ER visits per 10,000 people in 2016**
  - State Rate: 75.5
  - 85.2

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

#### Heat Related Illness
- **Age-adjusted rate of ER visits per 100,000 people in 2016**
  - State Rate: 55.8
  - 74.1

#### Lung Cancer Incidence
- **Age-adjusted rate of incidence per 100,000 people in 2016**
  - State Rate: 68.2
  - 68.0

### DRINKING WATER

#### Public Drinking Water Systems
- Number of public drinking water systems: 19
- **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.

#### Private Drinking Water Wells
- Number of private drinking water wells: 3940
**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**
- 7
  - Number of days with more than 1 inch of precipitation in 2016

**Extreme Heat**
- 52
  - 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^:
  - 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**
- 11.3%
  - 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:**
- Elevated blood lead confirmation rate below state average

^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
<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>COPD</td>
<td>DHSS-EPHT</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>
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<td>Heart Attack</td>
<td>MOPHIMS-EPHT</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>
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<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-Environmental Public Health Tracking (EPHT).</td>
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<tr>
<td>Melanoma</td>
<td>MOPHIMS-MICA</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-Environmental Public Health Tracking (EPHT).</td>
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<td>Lung Cancer</td>
<td>DHSS-EPHT</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-Environmental Public Health Tracking (EPHT).</td>
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<td>Heat Related Illness</td>
<td>DHSS-EPHT</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>
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**DRINKING WATER**

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## AIR QUALITY

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<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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<td>Heart Disease</td>
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## CLIMATE

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<td>Extreme Precipitation</td>
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<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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<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>
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<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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