JEFFERSON COUNTY
ENVIRONMENTAL HEALTH PROFILE

Life expectancy is 76.4 years

• 27.0% of people smoke
• 4.6% of people are minorities
• 10.9% of people live in poverty

The median household income is $60,765

HEALTH

Asthma Hospitalizations
• 4.1
  Age-adjusted rate of hospitalizations per 10,000 people in 2016
  State Rate: 6.6

Asthma ER Visits
• 29.1
  Age-adjusted rate of ER visits per 10,000 people in 2016
  State Rate: 50.9

COPD Hospitalizations
• 19.3
  Age-adjusted rate of hospitalizations per 10,000 people in 2016
  State Rate: 26.1

COPD ER Visits
• 45.9
  Age-adjusted rate of ER visits per 10,000 people in 2016
  State Rate: 75.5

Carbon Monoxide Hospitalizations
• 0
  Age-adjusted rate of hospitalizations per 100,000 people in 2016
  State Rate: 1.0

Carbon Monoxide ER Visits
• 4.0
  Age-adjusted rate of ER visits per 100,000 people in 2016
  State Rate: 4.9

Heart Attack Hospitalizations
• 22.3
  Age-adjusted rate of hospitalizations per 10,000 people in 2016
  State Rate: 23.4

Heat Related Illness
• 59.6
  Age-adjusted rate of ER visits per 100,000 people in 2016
  State Rate: 55.8

Lung Cancer Incidence
• 73.8
  Age-adjusted rate of incidence per 100,000 people in 2016
  State Rate: 68.2

Melanoma Incidence
• 24.0
  Age-adjusted rate of incidence per 100,000 people in 2016
  State Rate: 27.9

DRINKING WATER

Public Drinking Water Systems
• 77
  Number of public drinking water systems

Private Drinking Water Wells
• 6603
  Number of private drinking water wells

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

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

**Asthma/ Lung Disease**
- Number of unhealthy days for people with asthma/ lung disease in 2016: 2
- Maximum for counties with monitors: 12

**Heart Disease**
- Number of unhealthy days for people with heart disease in 2016: 0
- Maximum for counties with monitors: 1

**Children and Elderly**
- Number of unhealthy days for children and the elderly in 2016: 2
- Maximum for counties with monitors: 12

**Active People**
- Number of unhealthy days for people active outdoors in 2016: 2
- Maximum for counties with monitors: 12

### CLIMATE

**Extreme Precipitation**
- Number of days with more than 1 inch of precipitation in 2016: 9

**Extreme Heat**
- Number of days with a high temperature above 90°F in 2016: 48

**Severe Drought**
- Number of weeks with severe drought in 2016: 0

### 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 River: Sunfish, Carp, Suckers (All Sizes)- Do Not Eat  
- 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  

^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**
- Percent of homes tested between 2008-2018 with elevated radon levels: 43.7%

**Percent Tested**
- Percent of homes tested between 2008-2018: 1.4%

### LEAD

#### Lead Exposure Risk Factors:
- Childhood blood lead testing rate below state average  
- NPL or IMMM Lead Sites  
- Adult elevated blood lead rate above state average

#### Missouri Lead Exposure Risk Tool
Follow this link to the Missouri Department of Health & Senior Services website to view a map and find information about hazardous substance investigation and cleanup sites.
<table>
<thead>
<tr>
<th>Health Category</th>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoking</td>
<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>Minorities</td>
<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>
<tr>
<td>Asthma</td>
<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>COPD</td>
<td>DHSS-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>
</tr>
<tr>
<td>Heart Attack</td>
<td></td>
<td>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>
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<tr>
<td>Carbon Monoxide</td>
<td>MOPHIMS-EPHT</td>
<td>2016</td>
<td></td>
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<tr>
<td>Melanoma</td>
<td>MOPHIMS-MICA</td>
<td>2016</td>
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<td>Lung Cancer</td>
<td>DHSS-EPHT</td>
<td>2016</td>
<td></td>
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<tr>
<td>Heat Related Illness</td>
<td>DHSS-EPHT</td>
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**DRINKING WATER**

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<th>Drinking Water Category</th>
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<td></td>
<td>MOPHIMS-EPHT</td>
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<tr>
<td><strong>AIR QUALITY</strong></td>
<td><strong>Source</strong></td>
<td><strong>Years</strong></td>
<td><strong>Description</strong></td>
</tr>
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<td>----------------</td>
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<tr>
<td>Asthma/ Lung Disease Children and Elderly Heart Disease Active People</td>
<td>EPA AirCompare MOPHIMS-EPHT</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>
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<tr>
<td>Extreme Precipitation</td>
<td>National EPHT Portal</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>National EPHT Portal</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>National EPHT Portal</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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<tr>
<td>Environmental Remediation</td>
<td>DNR Environmental Remediation Program</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>Fish Advisories</td>
<td>2019</td>
<td>2019 Missouri Fish Advisories. Source: DHSS Bureau of Environmental Epidemiology.</td>
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<tr>
<th><strong>RADON</strong></th>
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<tbody>
<tr>
<td>Percent Elevated</td>
<td>DHSS-EPHT</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>DHSS-EPHT American Community Survey</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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<tr>
<td>Lead Exposure Risk Factors</td>
<td>DHSS-EPHT</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>DHSS-EPHT</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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