JASPER COUNTY
ENVIRONMENTAL HEALTH PROFILE

Life expectancy is 76.1 years

22.7% of people smoke
14.0% of people are minorities
17.3% of people live in poverty

The median household income is $45,328

HEALTH

Asthma Hospitalizations

4.2
Age-adjusted rate of hospitalizations per 10,000 people in 2016
State Rate: 6.6

Asthma ER Visits

36.9
Age-adjusted rate of ER visits per 10,000 people in 2016
State Rate: 50.9

COPD Hospitalizations

29.3
Age-adjusted rate of hospitalizations per 10,000 people in 2016
State Rate: 26.1

COPD ER Visits

95.9
Age-adjusted rate of ER visits per 10,000 people in 2016
State Rate: 75.5

Carbon Monoxide Hospitalizations

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

Carbon Monoxide ER Visits

9.6
Age-adjusted rate of ER visits per 100,000 people in 2016
State Rate: 4.9

Heart Attack Hospitalizations

22.4
Age-adjusted rate of hospitalizations per 10,000 people in 2016
State Rate: 23.4

Heat Related Illness

50.6
Age-adjusted rate of ER visits per 100,000 people in 2016
State Rate: 55.8

Melanoma Incidence

17.6
Age-adjusted rate of incidence per 100,000 people in 2016
State Rate: 27.9

Lung Cancer Incidence

76.7
Age-adjusted rate of incidence per 100,000 people in 2016
State Rate: 68.2

DRINKING WATER

Public Drinking Water Systems

25
Number of public drinking water systems

Private Drinking Water Wells

2936
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

Environmental Public Health Tracking Program
### AIR QUALITY

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

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

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

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

### CLIMATE

#### Extreme Precipitation
- Number of days with more than 1 inch of precipitation in 2016
- 10

#### Extreme Heat
- Number of days with a high temperature above 90°F in 2016
- 66

#### 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^  
  - 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.  
  - 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
- 17.2%

#### Percent Tested
- Percent of homes tested between 2008-2018
- 0.3%

### LEAD

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

#### Missouri Lead Exposure Risk Tool
<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Life Expectancy**           | DHSS-Life Expectancy | 2008-2016  
| **Smoking**                   | MOPHIMS - County-Level Study Profile | 2016  
Percentage of adults who currently smoke cigarettes. State rate: 21.9%. Source: DHSS – Missouri Public Health Information Management System (MOPHIMS), Missouri County Level Study. |
| **Minorities**                | U.S. Census Bureau | 2010  
Percentage of racial and ethnic minorities. State rate: 19%. Source: 2010 U.S. Census, Summary File 1, Table GCT-P3. |
| **Poverty**                   | American Community Survey | 2013-2017  
| **Income**                    | American Community Survey | 2013-2017  
| **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 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). |
| **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  
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). |
| **Melanoma**                  | MOPHIMS-MICA | 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). |
| **Lung Cancer**               | 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. |
| **Heat Related Illness**      | 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. |
| **Public Drinking Water Systems** | Public Drinking Water | 2019  
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** | Private Drinking Water | 1978-2017  
Number of private drinking water wells. Source: DHSS Bureau of Environmental Epidemiology, EPHT and Private Drinking Water Program. |
### AIR QUALITY

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<tbody>
<tr>
<td>Asthma/ Lung Disease</td>
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<tr>
<td>Children and Elderly</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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<td>Heart Disease</td>
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<td>EPA AirCompare</td>
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<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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<td>Extreme Heat</td>
<td>2016</td>
<td>Number of days with a high temperature at or above 90ºF. 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>
<td></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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</table>

### RADON

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<th>Source</th>
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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>
<td></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>
<td></td>
</tr>
</tbody>
</table>

### LEAD

<table>
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<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>
<td></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>
<td></td>
</tr>
</tbody>
</table>