CASS COUNTY
ENVIRONMENTAL HEALTH PROFILE

HEALTH

Asthma Hospitalizations
- 6.0
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  State Rate: 6.6

COPD Hospitalizations
- 28.5
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  State Rate: 26.1

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

Heart Attack Hospitalizations
- 24.7
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  State Rate: 23.4

Melanoma Incidence
- 38.3
- Age-adjusted rate of incidence per 100,000 people in 2016
  State Rate: 27.9

Asthma ER Visits
- 31.5
- Age-adjusted rate of ER visits per 10,000 people in 2016
  State Rate: 50.9

COPD ER Visits
- 92.2
- Age-adjusted rate of ER visits per 10,000 people in 2016
  State Rate: 75.5

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

Heat Related Illness
- 56.0
- Age-adjusted rate of ER visits per 100,000 people in 2016
  State Rate: 55.8

Lung Cancer Incidence
- 69.8
- Age-adjusted rate of incidence per 100,000 people in 2016
  State Rate: 68.2

DRINKING WATER

Public Drinking Water Systems
- 31
- Number of public drinking water systems

Private Drinking Water Wells
- 223
- Number of private drinking water wells

Life expectancy is 78.4 years
- 24.0% of people smoke
- 10.5% of people are minorities
- 9.5% of people live in poverty
The median household income is $65,352

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

Asthma/ Lung Disease
- Number of unhealthy days for people with asthma/ lung disease in 2016: 0
- 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: 0
- Maximum for counties with monitors: 12

Active People
- Number of unhealthy days for people active outdoors in 2016: 0
- Maximum for counties with monitors: 12

CLIMATE

Extreme Precipitation
- Number of days with more than 1 inch of precipitation in 2016: 8

Extreme Heat
- Number of days with a high temperature above 90°F in 2016: 62

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.
  - 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: 44.2%

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

LEAD

Lead Exposure Risk Factors:
Childhood blood lead testing rate below 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 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>COPD</td>
<td>DHSS-EPHT</td>
<td></td>
</tr>
<tr>
<td>Heart Attack</td>
<td>MOPHIMS-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-EPHT (carbon monoxide and heart attack data); DHSS MOPHIMS-Missouri Information for Community Assessment (MICA) (cancer incidence).</td>
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<td>Carbon Monoxide</td>
<td>MOPHIMS-EPHT</td>
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<td>Melanoma</td>
<td>MOPHIMS-MICA</td>
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<td>Lung Cancer</td>
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<td>Heat Related Illness</td>
<td>DHSS-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>
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| **AIR QUALITY** | **Asthma/ Lung Disease** | 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.
| **CLIMATE** | **Extreme Precipitation** | Number of days with one or more inches of precipitation. Source: CDC, National Environmental Public Health Tracking Data Explorer.
| **ENVIRONMENT** | **Environmental Remediation** | 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.
| **RADON** | **Percent Elevated** | Percentage of homes with test results showing elevated (> 4 pCi/L) radon levels. Source: DHSS Bureau of Environmental Epidemiology, Indoor Air Quality Database.
| **LEAD** | **Lead Exposure Risk Factors** | Lead exposure risk factors contributing to the overall exposure risk. Source: DHSS Bureau of Environmental Epidemiology, EPHT.
| | **Missouri Lead Exposure Risk Tool** | Statewide break down of lead exposure risk factors by county and zip code. Source: DHSS Bureau of Environmental Epidemiology, EPHT.