MONITEAU COUNTY
ENVIRONMENTAL HEALTH PROFILE

HEALTH

Asthma Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 4.0
  - State Rate: 6.6

Asthma ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - 29.0
  - State Rate: 50.9

COPD Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 27.0
  - State Rate: 26.1

COPD ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - 82.3
  - State Rate: 75.5

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

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

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

Heart Attack Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - 27.0
  - State Rate: 23.4

Lung Cancer Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - 60.4
  - State Rate: 68.2

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

DRINKING WATER

Public Drinking Water Systems
- Number of public drinking water systems
  - 7

Private Drinking Water Wells
- Number of private drinking water wells
  - 1355

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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.

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

### ENVIRONMENTAL HEALTH PROFILE

## AIR QUALITY

<table>
<thead>
<tr>
<th>Asthma/ Lung Disease</th>
<th>Children and Elderly</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Air Monitors</td>
<td>No Air Monitors</td>
</tr>
<tr>
<td>Number of unhealthy days for people with asthma/ lung disease in 2016</td>
<td>Number of unhealthy days for children and the elderly in 2016</td>
</tr>
<tr>
<td>Maximum for counties with monitors: 12</td>
<td>Maximum for counties with monitors: 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Heart Disease</th>
<th>Active People</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Air Monitors</td>
<td>No Air Monitors</td>
</tr>
<tr>
<td>Number of unhealthy days for people with heart disease in 2016</td>
<td>Number of unhealthy days for people active outdoors in 2016</td>
</tr>
<tr>
<td>Maximum for counties with monitors: 1</td>
<td>Maximum for counties with monitors: 12</td>
</tr>
</tbody>
</table>

## CLIMATE

<table>
<thead>
<tr>
<th>Extreme Precipitation</th>
<th>Extreme Heat</th>
<th>Severe Drought</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>56</td>
<td>0</td>
</tr>
<tr>
<td>Number of days with more than 1 inch of precipitation in 2016</td>
<td>Number of days with a high temperature above 90°F in 2016</td>
<td>Number of weeks with severe drought in 2016</td>
</tr>
</tbody>
</table>

## RADON

<table>
<thead>
<tr>
<th>Percent Elevated</th>
<th>Percent Tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0%</td>
<td>0.9%</td>
</tr>
<tr>
<td>Percent of homes tested between 2008-2018 with elevated radon levels</td>
<td>Percent of homes tested between 2008-2018</td>
</tr>
</tbody>
</table>

## LEAD

<table>
<thead>
<tr>
<th>Lead Exposure Risk Factors:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Childhood elevated blood lead rate above state average</td>
</tr>
<tr>
<td>Childhood blood lead testing rate below state average</td>
</tr>
<tr>
<td>Elevated blood lead confirmation rate below state average</td>
</tr>
<tr>
<td>Pre 1980 Housing Rate above state average</td>
</tr>
</tbody>
</table>

### Lead Exposure Risk Factors:

- Statewide Advisory for Sensitive Populations^:
  - Missouri 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
  - 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 Lead Exposure Risk Tool

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.

### 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.

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Environmental Public Health Tracking Program
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^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.
Life Expectancy

Source: DHSS-Life Expectancy

Years: 2008-2016


Smoking

Source: MOPHIMS - County-Level Study Profile

Years: 2016

Description: 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

Source: U.S. Census Bureau

Years: 2010

Description: Percentage of racial and ethnic minorities. State rate: 19%. Source: 2010 U.S. Census, Summary File 1, Table GCT-P3.

Poverty

Source: American Community Survey

Years: 2013-2017


Income

Source: American Community Survey

Years: 2013-2017


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

Heart Attack

Source: MOPHIMS-EPHT

Years: 2016

Carbon Monoxide

Source: MOPHIMS-EPHT

Years: 2016

Melanoma

Source: MOPHIMS-MICA

Years: 2016

Lung Cancer

Source: DHSS-EPHT

Years: 2016

Heat Related Illness

Source: DHSS-EPHT

Years: 2016

Description: 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

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.
### About the Data

**Environmental Health Profile**

#### Air Quality

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asthma/ Lung Disease</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>
</tr>
<tr>
<td>Children and Elderly</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heart Disease</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active People</td>
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<th>Description</th>
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</thead>
<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>
</tr>
<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>
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</table>

#### Environment

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

#### Radon

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

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**Missouri Environmental Public Health Tracking Program**

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