**MORGAN COUNTY**

**ENVIRONMENTAL HEALTH PROFILE**

- Life expectancy is 75.5 years
- 22.0% of people smoke
- 4.8% of people are minorities
- 25.5% of people live in poverty
- The median household income is $34,776

**HEALTH**

### Asthma Hospitalizations
- **4.1** per 10,000 people in 2016
  - State Rate: 6.6

### COPD Hospitalizations
- **34.2** per 10,000 people in 2016
  - State Rate: 26.1

### Carbon Monoxide Hospitalizations
- **0.0** per 100,000 people in 2016
  - State Rate: 1.0

### Heart Attack Hospitalizations
- **32.1** per 10,000 people in 2016
  - State Rate: 23.4

### Melanoma Incidence
- **Ø** per 100,000 people in 2016
  - State Rate: 27.9

### Asthma ER Visits
- **17.1** per 10,000 people in 2016
  - State Rate: 50.9

### COPD ER Visits
- **111.3** per 10,000 people in 2016
  - State Rate: 75.5

### Carbon Monoxide ER Visits
- **Ø** per 100,000 people in 2016
  - State Rate: 4.9

### Heat Related Illness
- **51.8** per 100,000 people in 2016
  - State Rate: 55.8

### Lung Cancer Incidence
- **103.6** per 100,000 people in 2016
  - State Rate: 68.2

**DRINKING WATER**

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

### Private Drinking Water Wells
- **3221**
  - Number of private drinking water wells

* At or Above State Rate
* Below State Rate
* Counts less than 20 are considered unreliable.
* 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
- **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
- **9**: Number of days with more than 1 inch of precipitation in 2016.

#### Extreme Heat
- **54**: Number of days with a high temperature above 90º 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
- **18.0%**: Percent of homes tested between 2008-2018 with elevated radon levels.

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

### LEAD

#### Lead Exposure Risk Factors:
Elevated blood lead confirmation rate below state average.

#### Missouri Lead Exposure Risk Tool
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
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).

Heart Attack

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).

Carbon Monoxide

Source: MOPHIMS-EPHT
Years: 2016
Description: 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

Source: MOPHIMS-MICA
Years: 2016
Description: 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

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.

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 MOPHIMS-EPHT
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 DHSS-EPHT
Years: 1978-2017
Description: Number of private drinking water wells. Source: DHSS Bureau of Environmental Epidemiology, EPHT and Private Drinking Water Program.
### 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>
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<td>Children and Elderly</td>
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### Climate

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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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<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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<th>Source</th>
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<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>
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### Lead

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</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>
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