**ST. CHARLES COUNTY**

**ENVIRONMENTAL HEALTH PROFILE**

- Life expectancy is 80.4 years
- 17.5% of people smoke
- 10.9% of people are minorities
- 5.7% of people live in poverty
- The median household income is $78,380

**HEALTH**

**Asthma Hospitalizations**
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - State Rate: 6.6
  - At or Above State Rate

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

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

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

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

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

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

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

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

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

**DRINKING WATER**

**Public Drinking Water Systems**
- Number of public drinking water systems
  - 23

**Private Drinking Water Wells**
- Number of private drinking water wells
  - 2867

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

**ENVIRONMENTAL HEALTH PROFILE**

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**AIR QUALITY**

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

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

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

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

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**CLIMATE**

| Extreme Precipitation | 12 | Number of days with more than 1 inch of precipitation in 2016

| Extreme Heat | 53 | Number of days with a high temperature above 90°F in 2016

| Severe Drought | 0 | Number of weeks with severe drought in 2016

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**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
- Mississippi & Missouri Rivers: 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

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**RADON**

| Percent Elevated | 28.9% | Percent of homes tested between 2008-2018 with elevated radon levels

| Percent Tested | 2.3% | Percent of homes tested between 2008-2018

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**LEAD**

**Lead Exposure Risk Factors:**

Childhood blood lead testing rate below state average

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**Missouri Lead Exposure Risk Tool**

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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.
<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minorities</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>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>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>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>
</tr>
</tbody>
</table>

**PUBLIC HEALTH**

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Drinking Water Systems</td>
<td>2019</td>
<td>Number of public drinking water systems. Source: Department of Natural Resources, Public Drinking Water Branch. Water quality data available from DHSS MOPHIMS-EPHT.</td>
</tr>
</tbody>
</table>
### About the Data

**Environmental Health Profile**

**Air Quality**

<table>
<thead>
<tr>
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<th>Years</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Asthma/ Lung Disease</td>
<td>EPA AirCompare</td>
<td>2016</td>
</tr>
<tr>
<td>Children and Elderly</td>
<td>MOPHIMS-EPHT</td>
<td></td>
</tr>
<tr>
<td>Heart Disease</td>
<td>National EPHT Portal</td>
<td></td>
</tr>
<tr>
<td>Active People</td>
<td>National EPHT Portal</td>
<td></td>
</tr>
</tbody>
</table>

**Climate**

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<tr>
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</thead>
<tbody>
<tr>
<td>Extreme Precipitation</td>
<td>National EPHT Portal</td>
<td>2016</td>
</tr>
<tr>
<td>Extreme Heat</td>
<td>National EPHT Portal</td>
<td>2016</td>
</tr>
<tr>
<td>Severe Drought</td>
<td>National EPHT Portal</td>
<td>2016</td>
</tr>
</tbody>
</table>

**Environment**

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<thead>
<tr>
<th>Source</th>
<th>Years</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Environmental Remediation</td>
<td>DNR Environmental Remediation Program</td>
<td>2019</td>
</tr>
<tr>
<td>Fish Consumption Advisories</td>
<td>Fish Advisories</td>
<td>2019</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>DHSS-EPHT</td>
<td>2008-2018</td>
</tr>
<tr>
<td>Percent Tested</td>
<td>DHSS-EPHT American Community Survey</td>
<td>2008-2018</td>
</tr>
</tbody>
</table>

**Lead**

<table>
<thead>
<tr>
<th>Source</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Exposure Risk Factors</td>
<td>DHSS-EPHT</td>
<td>2018</td>
</tr>
<tr>
<td>Missouri Lead Exposure Risk Tool</td>
<td>DHSS-EPHT</td>
<td>2018</td>
</tr>
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