KNOX COUNTY
ENVIRONMENTAL HEALTH PROFILE

Life expectancy is
● 76.4 years

13.7% of people smoke

2.5% of people are minorities

20.2% of people live in poverty

The median household income is
● $39,674

HEALTH

Asthma Hospitalizations

* Age-adjusted rate of hospitalizations per 10,000 people in 2016

Ø

State Rate: 6.6

Asthma ER Visits

Ø

State Rate: 50.9

COPD Hospitalizations

● 11.5

Age-adjusted rate of hospitalizations per 10,000 people in 2016

State Rate: 26.1

COPD ER Visits

● 41.3

Age-adjusted rate of ER visits per 10,000 people in 2016

State Rate: 75.5

Carbon Monoxide Hospitalizations

● 0.0

Age-adjusted rate of hospitalizations per 100,000 people in 2016

State Rate: 1.0

Carbon Monoxide ER Visits

● 0.0

Age-adjusted rate of ER visits per 100,000 people in 2016

State Rate: 4.9

Heart Attack Hospitalizations

● 22.9

Age-adjusted rate of hospitalizations per 10,000 people in 2016

State Rate: 23.4

Heat Related Illness

Ø

State Rate: 55.8

Melanoma Incidence

Ø

Age-adjusted rate of incidence per 100,000 people in 2016

State Rate: 27.9

Lung Cancer Incidence

Ø

Age-adjusted rate of incidence per 100,000 people in 2016

State Rate: 68.2

DRINKING WATER

Public Drinking Water Systems

3

Number of public drinking water systems

Private Drinking Water Wells

58

Number of private drinking water wells

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.
KNOX COUNTY
ENVIRONMENTAL HEALTH PROFILE

AIR QUALITY

Asthma/ Lung Disease
No Air Monitors | Number of unhealthy days for people with asthma/ lung disease in 2016
Max for counties with monitors: 12

Heart Disease
No Air Monitors | Number of unhealthy days for people with heart disease in 2016
Max for counties with monitors: 1

Children and Elderly
No Air Monitors | Number of unhealthy days for children and the elderly in 2016
Max for counties with monitors: 12

Active People
No Air Monitors | Number of unhealthy days for people active outdoors in 2016
Max for counties with monitors: 12

CLIMATE

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

Extreme Heat
55 | 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^

RADON

Percent Elevated
0.0% | Percent of homes tested between 2008-2018 with elevated radon levels

Percent Tested
0.5% | Percent of homes tested between 2008-2018

LEAD

Lead Exposure Risk Factors:
Childhood blood lead testing rate below state average
Pre 1980 Housing Rate above 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.
## HEALTH

<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</td>
<td>2016</td>
</tr>
<tr>
<td>Minorities</td>
<td>U.S. Census Bureau</td>
<td>2010</td>
</tr>
</tbody>
</table>

### Asthma, COPD, Heart Attack

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asthma COPD</td>
<td>MOPHIMS-EPHT</td>
<td>DHSS-EPHT</td>
</tr>
</tbody>
</table>

### Carbon Monoxide, Melanoma, Lung Cancer

<table>
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<tr>
<th>Source</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Monoxide Melanoma Lung Cancer</td>
<td>MOPHIMS-EPHT MOPHIMS-MICA</td>
<td>DHSS-EPHT</td>
</tr>
</tbody>
</table>

### Heat Related Illness

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Heat Related Illness</td>
<td>DHSS-EPHT</td>
<td>2016</td>
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</table>

## DRINKING WATER

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
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</thead>
</table>
### 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>
<td></td>
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</table>

### Climate

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

### Environment

<table>
<thead>
<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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<tr>
<th>Source</th>
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</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

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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>
</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>

### Missouri Environmental Public Health Tracking Program

Bureau of Environmental Epidemiology  
Missouri Department of Health & Senior Services  
ephn.dhss.mo.gov | EPHTN@health.mo.gov