VERNON COUNTY
ENVIRONMENTAL HEALTH PROFILE

Health

Asthma Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - State Rate: 26.1
  - 3.9

COPD Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - State Rate: 28.4
  - 28.4

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

Heart Attack Hospitalizations
- Age-adjusted rate of hospitalizations per 10,000 people in 2016
  - State Rate: 24.0
  - 24.0

Melanoma Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - State Rate: 0
  - 0

Asthma ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - State Rate: 46.9
  - 46.9

COPD ER Visits
- Age-adjusted rate of ER visits per 10,000 people in 2016
  - State Rate: 83.6
  - 83.6

Carbon Monoxide ER Visits
- Age-adjusted rate of ER visits per 100,000 people in 2016
  - State Rate: 0
  - 0

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

Lung Cancer Incidence
- Age-adjusted rate of incidence per 100,000 people in 2016
  - State Rate: 50.9
  - 50.9

Drinking Water

Public Drinking Water Systems
- Number of public drinking water systems
  - 11

Private Drinking Water Wells
- Number of private drinking water wells
  - 269

The median household income is $41,479

Life expectancy is 75.5 years
26.5% of people smoke
4.5% of people are minorities
15.2% of people live in poverty

Non-zero counts less than 5 are suppressed for patient confidentiality.

Counts less than 20 are considered unreliable.

* Counts less than 20 are considered unreliable.
**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

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**CLIMATE**

**Extreme Precipitation**

- 10: Number of days with more than 1 inch of precipitation in 2016

**Extreme Heat**

- 66: Number of days with a high temperature above 90º 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

- Missouri Lead Exposure Risk Tool

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**RADON**

- Percent Elevated: 10.3%
  - Percent of homes tested between 2008-2018 with elevated radon levels
- Percent Tested: 0.3%
  - Percent of homes tested between 2008-2018

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**LEAD**

**Lead Exposure Risk Factors:**

- Childhood elevated blood lead rate above state average
- Childhood blood lead testing rate below state average
- Elevated blood lead confirmation rate below state average

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**MISSOURI ENVIRONMENTAL PUBLIC HEALTH TRACKING PROGRAM**

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

**^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
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-EPHT.

Heart Attack
Source: DHSS EPHT
Years: 2016
Description: Age-adjusted rates of emergency room (ER) visits and hospitalizations for heart attack per 10,000 people, based on the 2000 U.S. Census standard population. Source: DHSS Bureau of Environmental Epidemiology, EPHT.

Carbon Monoxide
Source: MOPHIMS-EPHT
Years: 2016
Description: Age-adjusted rates of emergency room (ER) visits and hospitalizations for heart attack per 10,000 people, based on the 2000 U.S. Census standard population. Source: DHSS MOPHIMS-EPHT.

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 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).

Heat Related Illness
Source: DHSS-EPHT
Years: 2016
Description: Age-adjusted rate of emergency room (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>
<tr>
<td>Children and Elderly</td>
<td></td>
<td></td>
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<tr>
<td>Heart Disease</td>
<td></td>
<td></td>
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<td>Active People</td>
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<tr>
<td>EPA AirCompare</td>
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<td>MOPHIMS-EPHT</td>
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CLIMATE

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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 90ºF. 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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<td>National EPHT Portal</td>
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ENVIRONMENT

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<tr>
<th>Source</th>
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<th>Description</th>
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<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>DNR Environmental</td>
<td></td>
<td>Remediation Program</td>
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<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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<td>Fish Advisories</td>
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RADON

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<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
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<tbody>
<tr>
<td>Percent Elevated</td>
<td>2008-</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>
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<tr>
<td>2018</td>
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<tr>
<td>Percent Tested</td>
<td>2008-</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>
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<tr>
<td>2018</td>
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<tr>
<td>DHSS-EPHT</td>
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<td>American Community Survey</td>
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LEAD

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<th>Years</th>
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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>
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<tr>
<td>Missouri Lead Exposure Risk</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>
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<td>Tool</td>
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<tr>
<td>DHSS-EPHT</td>
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ABOUT THE DATA

ENVIRONMENTAL HEALTH PROFILE

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