BUCHANAN COUNTY
ENVIRONMENTAL HEALTH PROFILE

Life expectancy is 76.2 years

- 32.3% of people smoke
- 13.7% of people are minorities
- 17.3% of people live in poverty
The median household income is $48,652

HEALTH

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

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

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

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

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

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

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

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

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

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

DRINKING WATER

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

Private Drinking Water Wells
- 99 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.
BUCHANAN COUNTY
ENVIRONMENTAL HEALTH PROFILE

AIR QUALITY

Asthma/ Lung Disease
Number of unhealthy days for people with asthma/ lung disease in 2016
0
Maximum for counties with monitors: 12

Heart Disease
Number of unhealthy days for people with heart disease in 2016
0
Maximum for counties with monitors: 1

Children and Elderly
Number of unhealthy days for children and the elderly in 2016
0
Maximum for counties with monitors: 12

Active People
Number of unhealthy days for people active outdoors in 2016
0
Maximum for counties with monitors: 12

CLIMATE

Extreme Precipitation
Number of days with more than 1 inch of precipitation in 2016
11

Extreme Heat
Number of days with a high temperature above 90º F in 2016
56

Severe Drought
Number of weeks with severe drought in 2016
0

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 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

RADON

Percent Elevated
54.1% Percent of homes tested between 2008-2018 with elevated radon levels

Percent Tested
1.1% Percent of homes tested between 2008-2018

LEAD

Lead Exposure Risk Factors:
Childhood elevated blood lead rate above state average
Pre 1980 Housing Rate above state average
Adult elevated blood lead 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.
<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOPHIMS - County-Level Study Profile</td>
<td>2016</td>
<td>Percentage of adults who currently smoke cigarettes. State rate: 21.9%. Source: DHSS – Missouri Public Health Information Management System (MOPHIMS), Missouri County Level Study.</td>
</tr>
<tr>
<td>U.S. Census Bureau</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>MOPHIMS-EPHT</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>MOPHIMS-MICA</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>DHSS-EPHT</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>
<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>
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### AIR QUALITY

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<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>
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<td>Children and Elderly</td>
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<td>EPA AirCompare</td>
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<td>MOPHIMS-EPHT</td>
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### CLIMATE

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<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>
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<td>Extreme Heat</td>
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<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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<td>National EPHT Portal</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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<td>DNR Environmental Remediation Program</td>
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<td></td>
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<td>Fish Advisories</td>
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### RADON

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<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>
<tr>
<td>DHSS-EPHT</td>
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<tr>
<td>American Community Survey</td>
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### LEAD

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<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>
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<td>DHSS-EPHT</td>
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### ABOUT THE DATA

#### ENVIRONMENTAL HEALTH PROFILE

**Source:** EPA AirCompare, MOPHIMS-EPHT

**Years:** 2016

**Description:** 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.

**Source:** National EPHT Portal

**Years:** 2016

**Description:** Number of days with one or more inches of precipitation. Source: CDC, National Environmental Public Health Tracking Data Explorer.

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**Years:** 2016

**Description:** Number of weeks with severe drought. Source: CDC, National Environmental Public Health Tracking Data Explorer.

**Source:** DNR Environmental Remediation Program

**Years:** 2019

**Description:** 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.

**Source:** Fish Advisories

**Years:** 2019

**Description:** 2019 Missouri Fish Advisories. Source: DHSS Bureau of Environmental Epidemiology.

**Source:** DHSS-EPHT

**Years:** 2008-2018

**Description:** Percentage of homes with test results showing elevated (> 4 pCi/L) radon levels. Source: DHSS Bureau of Environmental Epidemiology, Indoor Air Quality Database.

**Source:** DHSS-EPHT

**Years:** 2008-2018

**Description:** 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).

**Source:** DHSS-EPHT

**Years:** 2018

**Description:** Lead exposure risk factors contributing to the overall exposure risk. Source: DHSS Bureau of Environmental Epidemiology, EPHT.

**Source:** DHSS-EPHT

**Years:** 2018

**Description:** Statewide break down of lead exposure risk factors by county and zip code. Source: DHSS Bureau of Environmental Epidemiology, EPHT.