# DUNKLIN COUNTY

## ENVIRONMENTAL HEALTH PROFILE

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Measure</th>
<th>Dunklin County</th>
<th>State Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asthma Hospitalizations</td>
<td>Age-adjusted rate of hospitalizations per 10,000 people in 2016</td>
<td>8.4</td>
<td>6.6</td>
</tr>
<tr>
<td>Asthma ER Visits</td>
<td>Age-adjusted rate of ER visits per 10,000 people in 2016</td>
<td>49.8</td>
<td>50.9</td>
</tr>
<tr>
<td>COPD Hospitalizations</td>
<td>Age-adjusted rate of hospitalizations per 10,000 people in 2016</td>
<td>52.8</td>
<td>26.1</td>
</tr>
<tr>
<td>COPD ER Visits</td>
<td>Age-adjusted rate of ER visits per 10,000 people in 2016</td>
<td>114.3</td>
<td>75.5</td>
</tr>
<tr>
<td>Carbon Monoxide Hospitalizations</td>
<td>Age-adjusted rate of hospitalizations per 100,000 people in 2016</td>
<td>Ø</td>
<td>1.0</td>
</tr>
<tr>
<td>Carbon Monoxide ER Visits</td>
<td>Age-adjusted rate of ER visits per 100,000 people in 2016</td>
<td>Ø</td>
<td>4.9</td>
</tr>
<tr>
<td>Heart Attack Hospitalizations</td>
<td>Age-adjusted rate of hospitalizations per 10,000 people in 2016</td>
<td>29.0</td>
<td>23.4</td>
</tr>
<tr>
<td>Heat Related Illness</td>
<td>Age-adjusted rate of ER visits per 100,000 people in 2016</td>
<td>75.4</td>
<td>55.8</td>
</tr>
<tr>
<td>Melanoma Incidence</td>
<td>Age-adjusted rate of incidence per 100,000 people in 2016</td>
<td>21.8</td>
<td>27.9</td>
</tr>
<tr>
<td>Lung Cancer Incidence</td>
<td>Age-adjusted rate of incidence per 100,000 people in 2016</td>
<td>95.0</td>
<td>68.2</td>
</tr>
</tbody>
</table>

## DRINKING WATER

<table>
<thead>
<tr>
<th>Category</th>
<th>Dunklin County</th>
<th>State Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Drinking Water Systems</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Private Drinking Water Wells</td>
<td>29</td>
<td></td>
</tr>
</tbody>
</table>

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

**Additional Information:**
- Life expectancy is 72 years.
- 31.9% of people smoke.
- 17.1% of people are minorities.
- 26.6% of people live in poverty.
- The median household income is $32,348.
**DUNKLIN COUNTY**  
**ENVIRONMENTAL HEALTH PROFILE**

### AIR QUALITY

#### Asthma/ Lung Disease

<table>
<thead>
<tr>
<th>No Air Monitors</th>
<th>Number of unhealthy days for people with asthma/ lung disease in 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for counties with monitors: 12</td>
</tr>
</tbody>
</table>

#### Heart Disease

<table>
<thead>
<tr>
<th>No Air Monitors</th>
<th>Number of unhealthy days for people with heart disease in 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for counties with monitors: 1</td>
</tr>
</tbody>
</table>

#### Children and Elderly

<table>
<thead>
<tr>
<th>No Air Monitors</th>
<th>Number of unhealthy days for children and the elderly in 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for counties with monitors: 12</td>
</tr>
</tbody>
</table>

#### Active People

<table>
<thead>
<tr>
<th>No Air Monitors</th>
<th>Number of unhealthy days for people active outdoors in 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for counties with monitors: 12</td>
</tr>
</tbody>
</table>

### CLIMATE

#### Extreme Precipitation

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

#### Extreme Heat

| 83 | Number of days with a high temperature above 90º F in 2016 |

#### Severe Drought

| 2  | 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

#### Lead Exposure Risk Factors:

- Elevated blood lead confirmation rate below state average
- Pre 1980 Housing Rate above state average

#### Percent Elevated

| 4.2% | Percent of homes tested between 2008-2018 with elevated radon levels |

#### Percent Tested

| 0.2% | Percent of homes tested between 2008-2018 |

^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.

**MISSOURI ENVIRONMENTAL PUBLIC HEALTH TRACKING PROGRAM**

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

**ENVIRONMENTAL HEALTH PROFILE**

<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>
</tbody>
</table>

### HEALTH

<table>
<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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></td>
<td></td>
</tr>
<tr>
<td>Heart Attack</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon Monoxide</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>Melanoma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lung Cancer</td>
<td></td>
<td></td>
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<tr>
<td>Heat Related Illness</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>
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### DRINKING WATER

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<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
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<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>
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### Air Quality

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<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Asthma/ Lung Disease Children and Elderly</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>Heart Disease</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active People</td>
<td></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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<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>
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</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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<thead>
<tr>
<th>Source</th>
<th>Years</th>
<th>Description</th>
</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

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