



## Missouri Environmental Public Health Tracking

The exercises are structured to showcase content and data currently available within the Missouri EPHT portal as part of a live demonstration.

How many people younger than 30 were hospitalized for asthma in Laclede County for the years 2000 - 2008?

- ⇒ Make a pie chart by gender.
- ⇒ Make a vertical bar chart by year.
- ⇒ Update the chart to include each age group within each year.
- ⇒ Which age group is hospitalized the most?

For all years of data available, what is the crude rate of Myocardial Infarctions for women over 40?

- ⇒ For Macon County?
- ⇒ For Wright County?
- ⇒ For Platte County?

How many counties had increases of more than 10% in the percentage of land area treated with agricultural chemicals used to control grass, weeds, and brush between 2002 and 2007?

- ⇒ Which counties are they?
- ⇒ How many counties had decreases of more than 10% in the number of acres treated with commercial fertilizer, lime and soil conditioners?
- ⇒ How many square miles does Pike County have?

Locate the map of Missouri's air monitoring stations and find the Watkins Mill State Park site. What is the site id number?

- ⇒ What pollutant is monitored at this air station?
- ⇒ Using the data files on the EPHT portal, what was the Daily AQI value for the Watkins Mill State Park site on April 11, 2010?
- ⇒ Locate the Current Air Quality Index Report for Kansas City, when was this reported last updated?

[http://ephtn.dhss.mo.gov/EPHTN\\_Data\\_Portal/](http://ephtn.dhss.mo.gov/EPHTN_Data_Portal/)



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Using the Missouri Fish Advisory determine if any restrictions are advised on consuming fish caught in the Missouri River?

- ⇒ Are there any advisories specific to Francois County?
- ⇒ What contaminants are of concern?
- ⇒ How many can be safely eaten? How often?

What is the estimated number of owner occupied housing units in Texas County between the years of 2005 – 2010?

- ⇒ How many had an Income of \$35,000 - 49,999?
- ⇒ What is the estimated number of renter occupied housing units for people with an income of \$20,000 – 34,999?
- ⇒ What is the total estimated number of households spending 30% or more of their income on housing for the state of Missouri?

In 2007, what was the ratio of convenience (fast) food establishments to establishments selling fresh produce in Franklin County?

- ⇒ What was the ratio for the state of Missouri for that year?
- ⇒ How does the county compare to the state?
- ⇒ How many grocery stores, supermarkets, produce markets, and farmer's markets were in the county in 2007?

What industry had the highest average percent of civilian employment between the years of 2003 – 2010?

- ⇒ What industry had the lowest?
- ⇒ What percentage of the US works in the construction industry?
- ⇒ What percentage of Missourians work in the transportation and utilities industry?

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### HEALTH

(Acute Myocardial Infarctions, Asthma, Birth Defects, Childhood Blood Lead, Cancer, Carbon Monoxide, and Heat)

- ⇒ How does Knox County compare to the State of Missouri in the average age-adjusted rate of hospitalizations for acute myocardial infarction (AMI)?
- ⇒ Does Barton County have a higher age-adjusted rate of emergency room visits or hospitalizations for asthma?
- ⇒ Does Springfield have a higher or lower rate of selected birth defects than the State of Missouri?
- ⇒ How does the percentage of children tested (0-36 months) compare to their percent of children tested (0-72 months) for blood lead levels (BLLs) in Stoddard County?
- ⇒ Is Clay County's age-adjusted rate of all cancers higher or lower than the State of Missouri?
- ⇒ Is St. Louis City's age-adjusted rate of emergency room visits higher for carbon monoxide or heat?

### ENVIRONMENT

(Agriculture, Air, and Water)

- ⇒ What percentage of land area (in square miles) is treated with commercial fertilizers, lime, and soil conditioners in Chariton County?
- ⇒ What is the number of days with a maximum 8-hour average ozone concentration over the National Ambient Air Quality Standard in Phelps County?
- ⇒ What is the maximum and mean Atrazine water test results (in  $\mu\text{g/L}$ ) for St. Joseph?

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### COMMUNITY & INFRASTRUCTURE

(Crime, Food and Beverage, Housing, Population and Households, and Transportation)

- ⇒ Is the rate of violent crime higher in the State of Missouri or Columbia?
- ⇒ How does Stone County's rate of establishments selling fresh produce compare to the rate of establishments selling alcohol?
- ⇒ What percentage of households in Joplin are spending 30% or more of their income on housing?
- ⇒ What percentage of housing in Florissant was built before 1980?
- ⇒ How does the percent of uninsured individuals in Reynolds County correlate to your county's average household size and family size?
- ⇒ How does the percentage of households in St. Charles receiving assistance in the form of cash, Supplemental Nutrition Assistance Program (SNAP), and Supplemental Security Income (SSI) compare to those receiving Social Security or Retirement Income?
- ⇒ Does Pettis County have a higher percentage of single mother or father homes with children under the age of 18 than married families?
- ⇒ What percentage of individuals in Jackson County use public transportation to get to/from work? What percent walk or ride a bike to work?
- ⇒ Do more individuals in Independence carpool or drive alone to work?

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