You work for the Washington County Health Department and are interested in applying for a grant to prevent tobacco use and support tobacco cessation programs in your county. Use the 2011 County-Level Study Profiles to research tobacco use in Missouri.

**The answers to questions 1-3 are found on the Health and Preventative Practices Profile.**

1. What is the Washington County prevalence of current cigarette smoking? **36.4%**Is the Washington County prevalence statistically significantly different from the state prevalence?  **Yes – significantly higher**
2. What is the Central Region (which includes Washington County) prevalence of current cigarette smoking?  **22.5%**Is the Central Region prevalence statistically significantly different from the state prevalence?  **No**
3. Use the Download Indicator Data column **(available only on the Missouri Profile)**to determine which region has the highest current cigarette smoking prevalence.  **Southeastern Region (27.5%)**Which region has the lowest prevalence?  **St. Louis Metro Region (20.0%)**
Which county/city has the highest prevalence of current cigarette smoking? **Pemiscot County (45.5%)**
Which has the lowest? **Scotland County (8.4%)**

**The answers to questions 4-6 are found on the Tobacco Use Profile.**

1. What is the Washington County prevalence of former cigarette use?  **22.1%**Is the Washington County prevalence statistically significantly different from the state prevalence?  **No**
2. What is the Washington County prevalence of smokeless tobacco use?  **7.2%**Is the Washington County prevalence statistically significantly different from the state prevalence?  **No**
3. What are the Washington County prevalence rates for belief that smoking cigarettes causes the following conditions?

| **Condition** | **Prevalence Rate** |
| --- | --- |
| Heart attack | **76.5%** |
| Colon cancer | **36.1%** |
| Stroke | **67.5%** |
| Low-birth weight | **78.4%** |
| Impotence | **41.5%** |

Visit [**http://health.mo.gov/data/mica/MICA/solutions.html**](https://health.mo.gov/data/mica/MICA/solutions.html) to check the solution.