As an employee of the Bates County Health Department, you are interested in changes in preventive health behaviors during recent years. You decide to use the 2007-2011 County-Level Study (CLS) Comparison Profiles to analyze changes among Bates County residents.

1. What is the 2011 estimated prevalence for no leisure-time physical activity? **26.7%**

What was the change in prevalence for no leisure-time physical activity between 2007 and 2011? **-5.2% (or a 5.2% decrease)**

Was this change in prevalence statistically significant? **No, the 2011 prevalence is not significantly different from the 2007 prevalence.**

1. What is the 2007 estimated prevalence for consumption of fruits and vegetables less than five times per day?  **78.3%**

What is the 2011 estimated prevalence? **91.9%**

What was the percentage change between these two years? **13.6% (or a 13.6% increase)**

You decide to compare the change in Bates County to the change in Missouri. How did the state prevalence for this indicator change between 2007 and 2011? **The Missouri prevalence statistically significantly increased by 10.5% (from 77.0% in 2007 to 87.5% in 2011).**

You decide to compare the change in Bates County to the change in the Kansas City Metro Region (which includes Bates County). How did the regional prevalence for this indicator change between 2007 and 2011? **The Kansas City Metro Region prevalence significantly increased by 12.8% (from 75.0% in 2007 to 87.9% in 2011).**

1. What is the Bates County 2011 estimated prevalence for smoking not allowed in the home? **64.5%**

What was the change in prevalence for smoking not allowed in the home between 2007 and 2011?  **9.5% (or a 9.5% increase)**

Was this change in prevalence statistically significant?  **No, the 2011 prevalence is not statistically significantly different from the 2007 prevalence.**

In which Profile did you find this information?  **County-Level Study 2007-2011 Comparison Secondhand Smoke Profile**

1. Your supervisor asks you to briefly summarize the 2007-2011 changes in the Bates County prevalence estimates for “Current cigarette smokers who made a quit attempt in past year” and “Current smokers who intend to quit in next six months.” **The prevalence of current smokers who made a quit attempt in the past year decreased from 70.9% in 2007 to 30.5% in 2011, while the prevalence of current smokers who intend to quit in the next 6 months decreased from 79.1% to 42.9%. The decreases for these two indicators are statistically significant and reveal meaningful decreases in prevalence between the two CLS surveys. The Bates County Health Department may need to increase tobacco cessation efforts.**