

## Data Source Documentation

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| <b>Indicator</b>               | Fruit and vegetable consumption, high school students  |
| <b>Demographic Group</b>       | Wisconsin public high school students  |
| <b>Numerator</b>               | <p><b>1999-2005</b></p> <p>1) The number of Wisconsin high school students who reported on the Youth Risk Behavior Survey (YRBS) that they consumed five or more servings of fruits and vegetables <i>the previous day</i>;</p> <p>2) The number of Wisconsin high school students who reported on the YRBS that they consumed three or more servings of vegetables the previous day;</p> <p>3) The number of Wisconsin high school students who reported on the YRBS that they consumed two or more servings of fruit the previous day.</p> <p><b>2007, 2009</b></p> <p>1) The number of Wisconsin high school students who reported on the YRBS that they ate five or more servings of fruits and vegetables <i>per day during the past 7 days</i>. (Note change from 2005.)</p> <p>2) The number of Wisconsin high school students who reported on the YRBS that they ate three or more servings of vegetables per day during the past 7 days.</p> <p>3) The number of Wisconsin high school students who reported on the YRBS that they ate two or more servings of fruit or fruit juice per day during the past 7 days.</p>           |
| <b>Denominator</b>             | All Wisconsin high school students in the final YRBS sample in the relevant year or years (see “Details about Data Item,” below).  |
| <b>Details about Data Item</b> | <p>In the tables, the 95% confidence interval (the +/- column) indicates the range in which 95 of 100 identical surveys would estimate the percent of high school students who consume five or more servings of fruits and vegetables per day. Add the confidence interval to the estimated percent to find the high boundary and subtract it to find the low boundary. Smaller numbers of cases in the denominator produce larger confidence intervals.</p> <p><b>1999-2005</b></p> <p>The Youth Risk Behavior Survey (YRBS) asks students about consumption of fruits and vegetables on the previous day. Consumption of recommended servings is reported for fruits and vegetables together and separately. YRBS fruit and vegetable questions:</p> <ul style="list-style-type: none"> <li>• “Yesterday, how many servings of fruit or fruit juice did you consume (one serving equals ½ cup canned, 1 medium fresh fruit, or 6 ounces of juice)?”</li> <li>• “Yesterday, how many servings of vegetables or vegetable juice did you consume (one serving equals ½ cup cooked, 1 cup raw vegetables, or 6 ounces of juice)?”</li> </ul> |

Prepared for Tracking the State Health Plan, 2010—State-Level Data

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Bureau of Health Information and Policy

Division of Public Health

Wisconsin Department of Health Services

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|                               | <p>Answers for both questions range from 0 to 5 servings (continuously), along with a category “6 or more.”</p> <p><b>2007, 2009</b></p> <ul style="list-style-type: none"> <li>• "During the past 7 days, how many times did you drink 100% fruit juices such as orange juice, apple juice or grape juice? (Do not count punch, Kool-Aid, sports drinks or other fruit-flavored drinks.)"</li> <li>• "During the past 7 days, how many times did you eat fruit? (Do not count fruit juice.)"</li> <li>• "During the past 7 days, how many times did you eat green salad?"</li> <li>• "During the past 7 days, how many times did you eat potatoes? (Do not count fried potatoes or potato chips.)"</li> <li>• "During the past 7 days, how many times did you eat carrots?"</li> <li>• "During the past 7 days, how many times did you eat other vegetables? (Do not count green salad, potatoes or carrots.)"</li> </ul> <p>Responses for all questions are: Did not eat (none), 1-3 times (total), 4-6 times (total), 1 time per day, 2 times per day, 3 times per day, 4 or more times per day.</p> <p>Calculations of fruits and vegetables per day, fruits per day and vegetables per day follow CDC's calculation method, using 2/7 times per day for a response of 1-3 (total) and 5/7 times per day for a response of 4-6 (total).</p> <p><b>Note:</b> Estimates based on the 2007/2009 questions are considerably different from estimates based on the earlier questions. There is no obvious explanation for the differences; however, even subtle changes in survey questions and response formats can affect responses. Comparisons between estimates based on the 2007/2009 versus 1999-2005 questions are therefore likely to be misleading.</p> |
| <b>Other Data Information</b> | <p>The Wisconsin Youth Risk Behavior Survey is administered through collaboration between the Wisconsin Department of Public Instruction and the U.S. Centers for Disease Control and Prevention (CDC). All public schools in Wisconsin containing grades 9-12 are included in the sampling frame. Schools are selected with probability proportional to enrollment in grades 9-12. All students in classes selected within each school are eligible to participate. The results are weighted to represent the overall population of Wisconsin public high school students.</p>  |
| <b>Reference Time Period</b>  | <p>1999-2005: “Yesterday,” i.e., the day immediately preceding the day students responded to the YRBS.</p> <p>2007, 2009: The past 7 days.</p>   |
| <b>Data Source</b>            | <p>Wisconsin Youth Risk Behavior Survey, Department of Public Instruction; U.S. Centers for Disease Control and Prevention (CDC).</p>  |
| <b>Additional Information</b> | <p>Additional information about the Wisconsin YRBS can be found on the Department of Public Instruction Web site:<br/> <a href="http://dpi.wi.gov/sspw/yrbsindx.html">http://dpi.wi.gov/sspw/yrbsindx.html</a></p>   |