

## Data Source Documentation

<b>Indicator</b>	Immunizations, adults with diabetes
<b>Demographic Group</b>	Wisconsin adults aged 18 and older with diabetes
<b>Numerator</b>	The number of adults with diabetes in the Wisconsin Behavioral Risk Factor Survey (BRFS) sample who reported receiving a flu shot in the past 12 months, a pneumonia shot at any time in their life, or both.
<b>Denominator</b>	The total number of adults with diabetes in the Wisconsin BRFS sample(s) for the relevant year or years. Cases with don't know/refused responses or missing data are excluded.
<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 Wisconsin adults with diabetes who are immunized against influenza, pneumonia or both. 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>Results shown in the tables are weighted to represent the overall population of adults in Wisconsin.</p> <p>BRFS questions:</p> <ul style="list-style-type: none"> <li>• “Have you ever been told by a doctor that you have diabetes?” [If “Yes” and respondent is female, “Was this only when you were pregnant?” (to exclude gestational diabetes).]</li> <li>• “During the past 12 months, have you had a flu shot?”</li> <li>• “Have you ever had a pneumonia shot? This shot is usually given only once or twice in a person’s lifetime and is different from the flu shot. It is also called the pneumococcal vaccine.”</li> </ul>
<b>Other Data Information</b>	The Wisconsin Behavioral Risk Factor Survey is a sample survey conducted by the Office of Health Informatics in conjunction with the U.S. Centers for Disease Control and Prevention (CDC). The annual number of landline cases is currently approximately 4,500 and has ranged from approximately 4,000 to 5,000 in recent years. Weighted BRFS data are representative of the Wisconsin adult population living in households with landline telephones. CDC calculates the weights using state-level population data and includes a weighting variable in the final data set provided to the state BRFS program. The table by race and ethnicity shows estimates using combined years of data to yield a minimum of 100 cases per group. [Note: BRFS conducts cell phone interviews, but cell phone data have not yet been officially released by CDC.]
<b>Reference Time Period</b>	<ul style="list-style-type: none"> <li>• The 12 months immediately preceding the respondent’s BRFS interview (flu shot).</li> <li>• The respondent’s entire lifetime (pneumonia shot).</li> </ul>

Prepared for Tracking the State Health Plan, 2010—State-Level Data  
<http://dhs.wisconsin.gov/statehealthplan/track2010> (July 2011)

Office of Health Informatics

Division of Public Health

Wisconsin Department of Health Services

<b>Data Source</b>	<p>Wisconsin Behavioral Risk Factor Survey, Office of Health Informatics, Division of Public Health, Wisconsin Department of Health Services.</p> <p>The BRFs is an ongoing probability survey conducted by telephone and carried out in conjunction with the CDC. Each survey year begins on January 1 and ends on December 31.</p>
<b>Additional Information</b>	<p>The CDC Web site (<a href="http://www.cdc.gov/brfss/">http://www.cdc.gov/brfss/</a>) provides substantial information about the BRFs at both the national and state levels, including prevalence and trend data and historical question information.</p> <p>Information about the Wisconsin BRFs is also available at <a href="http://dhs.wisconsin.gov/stats/BRFS.htm">http://dhs.wisconsin.gov/stats/BRFS.htm</a>.</p>