



**Data Brief**

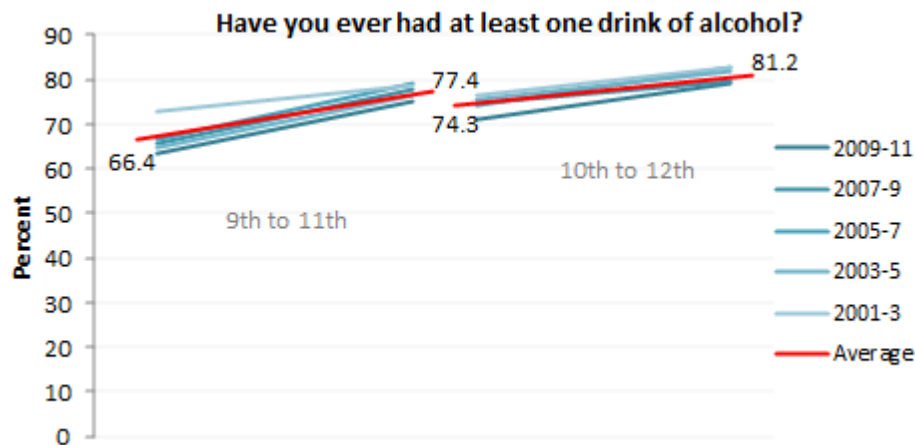
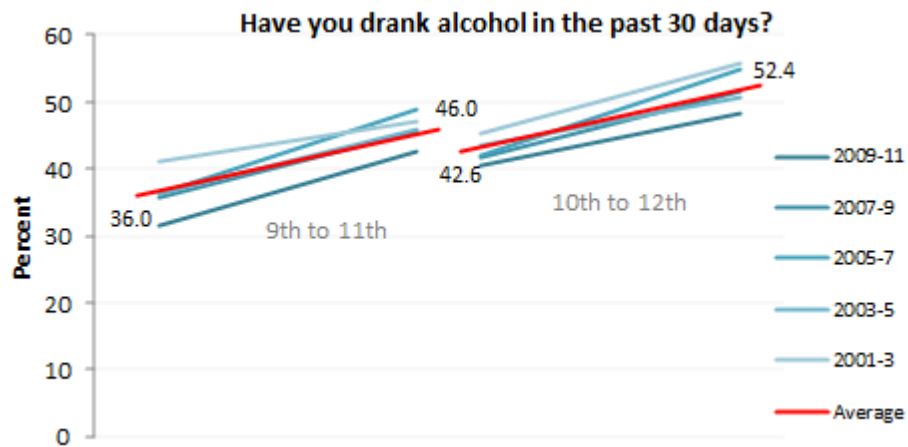
**Comparing 9th grade students to 11th grade students two years later**

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Youth Risk Behavior Surveillance System (YRBSS) statistics are available by grade every two years. Instead of reporting lifetime and 30 day alcohol use by grade each year, trajectories have been plotted for 9th and 10th graders as they are paired with their 11th and 12th counterpart two year later. For example, a blue line below illustrates change in 30 day alcohol use among 9th graders in 2009 with use among 11th graders in 2011. The population of South Dakota 9th graders will become the South Dakota 11th graders in 2011, which is the motivation for this presentation.

The red lines below are the weighted (by sample size) averages of the five blue lines above and/or below. These trajectories suggest approximately a 10% increase in 30 day alcohol use from both 9th to 11th grade and 10th to 12th grade in South Dakota. There is an 11% increase in lifetime alcohol use among South Dakota 9th graders compared to 11th graders and approximately a 7% increase from 10th to 12th grade.

**Trajectories of Increased 30 day and Lifetime Alcohol Use Among South Dakota High School Students**



Source: [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6201a3.htm?s\\_cid=mm6201a3\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6201a3.htm?s_cid=mm6201a3_w).

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