

## 2005 YOUTH RISK BEHAVIOR SURVEY

### Delaware High School Sample Description and Weighting Procedures

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#### Sample Description

**School Level** - All regular public schools containing grades 9, 10, 11, or 12 were included in the sample.

**Class Level** - All classes in a required subject or all classes meeting during a particular period of the day, depending on the school, were included in the sampling frame. Systematic equal probability sampling with a random start was used to select classes from each school that participated in the survey.

#### Response Rates

**Schools** - 100% 33 of the 33 sampled schools participated.

**Students** - 84 % 2,726 of the 3,245 sampled students submitted questionnaires.  
2,717 questionnaires were usable after data editing.

**Overall response rate** - 100% \* 84% = 84%

#### Weighting

A weight has been associated with each questionnaire to reflect the likelihood of sampling each student and to reduce bias by compensating for differing patterns of nonresponse. The weight used for estimation is given by:

$$W = W1 * f1 * f2$$

W1 = the inverse of the probability of selecting the classroom within the school;

f1 = a student-level nonresponse adjustment factor calculated by class.

f2 = a poststratification adjustment factor calculated by gender within grade and by race/ethnicity.

#### Use of the Weighted Results

The weighted results can be used to make important inferences concerning the priority health-risk behaviors of all regular public school students in grades 9 through 12.