

Myanmar Schools

Sample Description and Weighting Procedures

Sample Description:

School Level - All schools containing Grades 8, 9, 10, and 11 were included in the sampling frame. Schools were selected systematically with probability proportional to enrollment in Grades 8, 9, 10, and 11 using a random start. 50 schools were sampled.

Class Level - All classes with the majority of students in Grades 8, 9, 10, and 11 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% 50 of the 50 sampled schools participated.

Students - 95% 2,806 of the 2,946 sampled students completed questionnaires.
2,806 questionnaires were usable after data editing.

Overall response rate - $100\% * 95\% = 95\%$

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:

$$W = W1 * W2 * f1 * f2 * f3$$

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

W2 = the inverse of the probability of selecting the classroom within the school;

f1 = a school-level nonresponse adjustment factor calculated by school size category (small, medium, large). The factor was calculated in terms of school enrollment instead of number of schools.

f2 = a student-level nonresponse adjustment factor calculated by class.

f3 = a poststratification adjustment factor calculated by Grade.

Use of the Weighted Results:

The weighted results can be used to make important inferences about the priority health-risk behaviors and protective factors of all students in Grades 8, 9, 10, and 11.