Add Health
The National Longitudinal Study of Adolescent to Adult Health

Construction of Wave V Biomarker Weight

Report prepared by

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Introduction and Methods

This document provides a brief overview of how the biomarker sample was constructed. It also reports some statistical results of the biomarker weight.

The full Wave V sample is 12,300. The total number of the biomarker sample is 5,381. Four respondents are CATI cases whose wave V grand sample weights are missing. They were excluded for weight computation. When the proportion of subjects who have biomarker data are different for certain Add Health post-stratification domains from the full sample, this might cause problems if we simply use grand sample weights and subpopulation analysis for biomarker sample (Bethlehem 2002). We thus have developed weights for this special sample.

We used post-stratification variables, including gender, age categories and race (black and non-black), to create 36 Add Health domains. Response rates within each domain was calculated. The Wave V biomarker weight was calculated by multiplying Wave V *grand* sample weights by the inverse of the response rates (N= 5,381).

Results

Table 1 provides summary statistics of the final constructed biomarker weights for a total of 5,381 respondents.

Table 1. Summary Statistics of Weight Variables

	Minimum	Maximum	Mean	N
Final Wave V Biomarker Sample Weight	2,330	32564.89	3753.886	5,381

Reference

Bethlehem, J. G. (2002). “Weighting Nonresponse Adjustments Based on Auxiliary Information.” in Groves, R., Dillman, D., Eltinge, J., and Little, R. (eds.) Survey Nonresponse. New York, NY: Wiley.

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