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Add Health Wave IV

Weight Components Codebook

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Add Health Wave IV Weight Components

The Wave IV respondents with weight components were selected from the 18,924 Wave I respondents who are part of the probability sample. Two level-1 (adolescents/individual level) weight component variables were constructed for the Wave IV sample: W4_2_WC and W4_WC.

To compute the weight component variable W4_2_WC, only the Wave I adolescents who were determined to be deceased at the Wave IV interview were excluded from Wave IV eligibility. Non-response adjustments were calculated separately by sex and race (black/non-black) for adolescents attending each school to create W4_2_WC from the Wave I level-1 weight component. The level-1 weight component W4_2_WC is designed for use with the 14,800 respondents who were interviewed at Wave I and Wave IV. This weight component is also appropriate for cross-sectional analysis using data only from Wave IV.

To compute the weight component variable W4_WC, the Wave I adolescents who were determined to be deceased by the Wave IV interview (including those who were deceased at the Wave II, III and IV interviews) were excluded from Wave IV eligibility. Non-response adjustments were calculated separately by sex and race (black/non-black) for adolescents attending each school to create W4_WC from the Wave I level-1 weight component. The level-1 weight component W4_WC is designed for use with the 9,421 respondents who were interviewed at Wave I, II, III and IV. It is also the appropriate weight component to use if analyzing data from Wave II, III, and IV.

The level-2 (school level) weight component is from Wave I constructed variable: schwt1.

To compute Wave IV multi-level weights for respondents interviewed at Waves I and IV or only interviewed at Wave IV, use the two weight components schwt1 and W4_2_WC and the program PWIGLS* or MPML_WT*. Likewise, to compute Wave IV multi-level weights for respondents interviewed at Waves I, II, III, and IV or for respondents interviewed at Waves II, III, and IV, use the two weight components schwt1 and W4_WC and the program PWIGLS* or MPML_WT*.

* http://www.cpc.unc.edu/research/tools/data_analysis/ml_sampling_weights

References

- Kim Chantala and C. M. Suchindran. 2006. "Add Health Weight Components." Carolina Population Center, UNC at Chapel Hill.
- Kim Chantala, Dan Blanchette, and C. M. Suchindran. 2006. "Software to Compute Sampling Weights from Multilevel Analysis." Carolina Population Center, UNC at Chapel Hill.

Wave IV Weight Components

Number of observations: 15,701

AID		Char	Respondent Identifier NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	10316654	
1	0%	10506342	
1	0%	10570810	
1	0%	11316958	
1	0%	11504509	
15691	100%	Values omitted	NOTE: Range of values omitted from display
1	0%	99886993	
1	0%	99886994	
1	0%	99886995	
1	0%	99886996	
1	0%	99886999	

PSUSCID		Char	Cluster Variable - School ID at Wave I NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
16	0%	001	
59	0%	002	
97	1%	003	
116	1%	006	
138	1%	007	
14885	95%	Values omitted	NOTE: Range of values omitted from display
8	0%	322	
11	0%	327	
46	0%	369	

52	0%	371	
273	2%	999	Missing

REGION		Num	Strata Variable - Region
Frequency	Percent	Value	Label
3558	23%	1	West
3899	25%	2	Midwest
5889	38%	3	South
1997	13%	4	Northeast
358	2%	.	Missing

SCHWT1		Num	Level 2 (School) Weight Component NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
445	3%	35.89100000	
150	1%	36.98600000	
112	1%	37.79600000	
1227	8%	40.83400000	
106	1%	41.97700000	
13192	84%	49.364- 808.5070000000001	NOTE: Range of values omitted from display
16	0%	929.78300000	
38	0%	1289.71100000	
37	0%	1587.01900000	
20	0%	4170.13300000	
358	2%	.	Missing

W4_2_WC		Num	Level 1 (AID) Weight Component for Wave IV respondents who were also interviewed at Wave I NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
91	1%	0.99883208	
1	0%	1.00341222	

1	0%	1.00442470	
1	0%	1.00600080	
3	0%	1.00908413	
14695	94%	1.01282555- 80.36633412000001	NOTE: Range of values omitted from display
1	0%	81.22187192	
5	0%	84.52487111	
1	0%	85.80487553	
1	0%	119.97587732	
901	6%	.	Missing

W4_WC		Num	Level 1 (AID) Weight Component for Wave IV respondents who were also interviewed at Waves I, II, & III NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
8	0%	0.99883208	
1	0%	1.00341222	
1	0%	1.00600080	
2	0%	1.03558497	
1	0%	1.03998349	
9401	60%	1.05425148- 100.61618966	NOTE: Range of values omitted from display
4	0%	105.59050399	
1	0%	109.03204691	
1	0%	119.97587732	
1	0%	130.28108970	
6280	40%	.	Missing