

ECLS-B Kindergarten 2006 Sample and Population Sizes

Table 1. Percentage distribution of children born in 2001 at kindergarten 2006 follow-up, by child and family characteristics: 2006-07

Characteristics	Sample ¹ (rounded to the nearest 50)	Population (rounded to the nearest 100)	Population percentage
Total	6,950	3,929,600	100
Child's race/ethnicity			
White, non-Hispanic	2,850	2,106,700	54
Black, non-Hispanic	1,100	554,500	14
Hispanic	1,400	986,100	25
Asian/ Pacific Islander, non-Hispanic	800	108,300	3
Other, non-Hispanic	850	173,700	4
Child's assessment age			
56-59 months	750	448,600	11
60 months	450	275,500	7
61 months	500	330,800	8
62 months	550	337,000	9
63 months	600	367,900	9
64 months	550	327,900	8
65 months	500	273,700	7
66 months	600	335,900	9
67 months	650	332,900	8
68 months	650	334,200	9
69 months	500	238,300	6
70 – 74 months	700	327,000	8
Mother's education (at kindergarten 2006) ²			
Less than high school	900	589,200	15
HS diploma /GED/some college/vocational/technical	3,850	2,278,500	59
Bachelor's degree or higher	2,100	1,024,500	26
Poverty status (at kindergarten 2006)			
Below poverty threshold	1,650	955,000	24
At or above poverty threshold	5,300	2,974,600	76
Primary language spoken in home (at kindergarten 2006)			
Non-English	1,450	721,600	18
English	5,500	3,191,500	82

¹The total sample size in this column is the number of children with parent interview data from the kindergarten 2006 data collection.

²Children living in households with no mother or mother figure are not included in these estimates.

NOTE: Estimates may not sum to total due to rounding and/or missing data. Estimates weighted by W4R0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Early Childhood Longitudinal Study, Birth Cohort (ECLS-B) Longitudinal 9-Month—Kindergarten 2007 Restricted-Use Data File.

ECLS-B Kindergarten 2006 Response Rates

Response rates can be either unweighted or weighted. The unweighted rate, computed using the raw number of cases, provides a useful description of the success of the operational aspects of the survey. The weighted rate, computed by summing the weights (usually the reciprocals of the probability of selecting the units) for both the numerator and denominator, gives a better description of the success of the survey with respect to the population sampled, since the weights allow for inference of the sample data (including response status) to the population level. Both rates are usually similar unless the probabilities of selection and the unit response rates in the categories with different selection probabilities vary considerably.

Weighted Response Rates

The weighted unit response rate for the kindergarten 2006 parent interview, calculated as the weighted number of children with completed kindergarten 2006 parent interviews divided by the weighted number of children eligible to participate in the kindergarten 2006 collection, was 91.8 percent (this includes the planned sample reduction).

Some cases that have a completed parent interview did not complete one or more of the other study components. Therefore, it is necessary to calculate separate weighted unit response rates for these components. These rates are conditioned on the presence of a complete kindergarten 2006 parent interview (as well as additional eligibility criteria, in some instances), because having a complete kindergarten 2006 parent interview was the criterion for being considered a participant in the kindergarten 2006 data collection. The weighted unit response rate for the kindergarten 2006 child assessment was 98.6 percent. The weighted unit response rate for the early care and education provider (ECEP) interview, calculated for cases in which the child had a regular early care and education arrangement, was 92.0 percent. The weighted unit response rate for the wrap-around early care and education provider (WECEP) interview, calculated for cases in which the child had a regular wrap-around early care and education arrangement, was 81.2 percent. The weighted unit response rate for the teacher self-administered questionnaire (TSAQ), calculated for cases in which the child was enrolled in a formal school setting in kindergarten or higher, was 75.6 percent. Lastly, the weighted unit response rate for the CCD/PSS school data merge was 95.9 percent. All weighted response weights were calculated using the base weight.

The unit response rate is a round-specific rate in that it indicates the proportion of the eligible sample responding to a survey at a particular time point. For a longitudinal study such as the ECLS-B, it is also useful to calculate a longitudinal response rate, also called an overall unit response rate, which takes into account response for all rounds of collection. The kindergarten 2006 overall unit response rate for the ECLS-B indicates the proportion of all eligible cases originally sampled for the 9-month collection that participated in the kindergarten 2006 collection. The 9-month weighted overall unit response rate for the parent interview was 74.1 percent (after PSU substitution); this rate dropped to 69.0 percent when the 2-year parent interview was taken into account, to 63.1 percent when the preschool parent interview was taken into account, and to 58.0 percent when the kindergarten 2006 parent interview was taken into account. The weighted overall unit response rate was 57.2 percent for the kindergarten 2006 child assessment, 53.3 percent for the ECEP interview, 47.1 percent for the WECEP interview, 43.8 percent for the TSAQ, and 55.6 percent for the CCD/PSS school data merge.

Unweighted Response Rates

Unweighted unit response rates are calculated in the same way as weighted response rates, but with unweighted numbers. The unweighted unit response rate for the kindergarten 2006 parent interview was 91.5 percent. The unweighted unit response rate for the kindergarten 2006 child assessment was 98.5 percent. The unweighted unit response rate for the ECEP interview was 90.9 percent. The unweighted unit response rate for the WECEP interview was 77.9 percent. The unweighted unit response rate for the Teacher Questionnaire was 75.3 percent. The unweighted unit response rate for the CCD/PSS school data merge was 95.8 percent.