

ECLS-B Kindergarten 2007 Sample and Population Sizes

Table 1. Percentage distribution of children born in 2001 at kindergarten 2007 follow-up, by child and family characteristics: 2007-08

Characteristics	Sample ¹ (rounded to the nearest 50)	Population (rounded to the nearest 100)	Population percentage
Total	1,900	1,247,000	100
Child's race/ethnicity			
White, non-Hispanic	900	696,800	56
Black, non-Hispanic	300	184,600	15
Hispanic	350	288,700	23
Asian/ Pacific Islander, non-Hispanic	150	22,700	2
Other, non-Hispanic	250	54,300	4
Child's assessment age			
70 months	100	63,200	5
71 months	250	158,900	13
72 months	300	212,800	17
73 months	350	246,300	20
74 months	250	171,600	14
75 months	200	151,000	12
76 months	150	86,500	7
77 months	100	48,600	4
78 months	50	31,400	3
79 months	50	23,300	2
80 - 86 months	100	53,600	4
Mother's education (at kindergarten 2007) ²			
Less than high school	250	193,100	16
HS diploma /GED/some college/vocational/technical	1050	713,800	58
Bachelor's degree or higher	600	320,600	26
Poverty status (at kindergarten 2007)			
Below poverty threshold	450	321,100	26
At or above poverty threshold	1450	925,900	74
Primary language spoken in home (at kindergarten 2007)			
Non-English	300	207,500	17
English	1600	1,035,000	83

¹The total sample size in this column is the number of children with parent interview data from the kindergarten 2007 data collection.

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

NOTE: Data were collected in 2007 only for children who were not yet enrolled in kindergarten or higher in 2006, children whose parents indicated they were repeating kindergarten in 2007, and twins of children in these two groups. Estimates may not sum to total due to rounding and/or missing data. Estimates weighted by W5R0.

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 2007 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 2007 parent interview, calculated as the weighted number of children with completed kindergarten 2007 parent interviews divided by the weighted number of children eligible to participate in the kindergarten 2007 collection, was 92.5 percent.

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 2007 parent interview (as well as additional eligibility criteria, in some instances), because having a complete kindergarten 2007 parent interview was the criterion for being considered a participant in the kindergarten 2007 data collection. The weighted unit response rate for the kindergarten 2007 child assessment was 99.4 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 92.1 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, was 77.4 percent and the weighted unit response rate for the CCD/PSS school data merge was 96.9 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 2007 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 2007 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, to 58.0 percent when the kindergarten 2006 parent interview was taken into account, and to 53.7 percent when the kindergarten 2007 parent interview was taken into account. The weighted overall unit response rate was 53.3 percent for the kindergarten 2007 child assessment, 49.4 percent for the WECEP interview, 41.5 percent for the TSAQ, and 52.0 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 2007 parent interview was 91.7 percent. The unweighted unit response rate for the kindergarten 2007 child assessment was 99.2 percent. The unweighted unit response rate for the WECEP interview was 90.7 percent. The unweighted unit response rate for the TSAQ was 77.4 percent. The unweighted unit response rate for the CCD/PSS school data merge was 97.0 percent.