

TABLE S1-2

Average science assessment test scores of children who were in kindergarten for the first time in the 2010–11 school year and in grade 5 in the 2015–16 school year, by child and family characteristics

(Average score)

Child and family characteristic	Kindergarten, spring 2011	Grade 1, spring 2012	Grade 2, spring 2013	Grade 3, spring 2014	Grade 4, spring 2015	Grade 5, spring 2016
All children	34.4	43.7	53.6	61.0	67.9	74.7
Sex						
Male	34.5	44.1	54.1	61.6	68.4	75.2
Female	34.3	43.4	53.0	60.5	67.4	74.2
Race or ethnicity ^a						
White	37.1	47.2	56.9	64.5	71.2	77.9
Black or African American	31.1	38.9	47.6	54.6	61.2	66.9
Hispanic or Latino	30.1	38.4	48.6	56.0	63.3	70.6
Asian	32.1	42.7	55.0	63.2	69.9	77.8
Native Hawaiian or Other Pacific Islander	31.7	40.5	50.3	58.7	64.7	72.5
American Indian or Alaska Native	35.7	44.0	53.3	59.7	68.8	74.2
More than once race	36.8	46.8	56.4	63.9	70.9	77.3
Family poverty status in fall 2010 ^b						
Income below the federal poverty level	30.2	38.2	47.8	55.4	62.3	68.9
Income at or above 200% of the federal poverty level	37.0	47.2	57.2	64.8	71.5	78.4
Family type in fall 2010 ^c						
One-parent household	32.7	40.9	50.0	57.3	64.1	70.5
Two-parent household	35.2	44.9	54.9	62.5	69.3	76.3
Primary home language in fall 2010						
English	35.6	45.2	54.8	62.2	68.9	75.5
Not English	27.7	35.8	46.8	54.9	62.6	70.0
Parents' highest education in fall 2010 ^d						
Less than high school education	28.0	35.1	45.1	52.5	60.0	66.4
High school diploma or equivalent	31.4	39.7	49.3	56.4	63.3	70.3
Some college, associate's degree, or career or technical education	34.2	43.2	52.6	60.0	67.1	73.8
Bachelor's degree	36.8	46.8	57.1	64.8	71.3	78.4
Graduate or professional school	38.3	49.6	59.8	67.6	74.0	80.6

^a Hispanic may be any race; race categories exclude Hispanic origin.

^b Poverty status is based on 2010 U.S. Census poverty thresholds, which identify incomes determined to meet household needs, given family size. For example, in 2010, a family of two was below the poverty threshold if its income was lower than \$14,220.

^c Two-parent household includes two biological parents, two adoptive parents, and one biological or adoptive parent and one other parent or partner. One-parent household refers to one biological or adoptive parent only.

^d The highest level of education achieved by either of the parents or guardians in a two-parent household or by the only parent or guardian in a one-parent household.

Note(s)

The possible range of scores for the science assessment was 0–100. The spring kindergarten science scores have a mean of 34.4 and a standard deviation of 7.28, and the spring grade 5 science scores have a mean of 74.7 and a standard deviation of 11.76.

Source(s)

Mulligan GM, McCarroll JC, Flanagan KD, and McPhee C, *Findings From the Fifth-Grade Round of the Early Childhood Longitudinal Study, Kindergarten Class of 2010–11 (ECLS-K:2011)*, NCES 2019-130 (2019).

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