Appendix table 1-1

First-time kindergarteners and their average mathematics and science assessment scores, by child, family, and school characteristics: Academic year 2010−11

Child, family, and school characteristic	Number	Percent distribution	Mathematics, fall 2010	Mathematics, spring 2011	Science, spring 2011[a]
All children	3,472,902	100	29.3	42.0	11.4
Sex					
Male	1,779,792	51	29.4	42.0	11.4
Female	1,693,109	49	29.2	42.0	11.3
Race or ethnicity[b]					
American Indian or Alaska Native	42,970	1	26.3	40.2	11.5
Asian	142,096	4	34.5	46.0	10.8
Black	458,058	13	25.8	37.5	10.0
Hispanic[c]	820,424	24	24.7	37.8	9.7
White	1,844,241	53	31.7	44.6	12.4
Family poverty status in fall 2010[d]					
Income below the federal poverty level	707,334	25	24.1	36.8	9.8
Income between 100% and 199% of the federal poverty level	635,889	22	27.9	40.6	11.1
Income at or above 200% of the federal poverty level	1,519,452	53	33.3	45.9	12.5
Parents' highest education in fall 2010[e]					
Less than high school education	308,586	9	21.0	34.3	8.7
High school education	706,967	20	24.7	37.4	10.2
Some college/vocational degree	1,122,354	32	28.4	41.1	11.3
Bachelor's degree	693,651	20	33.1	45.8	12.3
Graduate/professional school	630,113	18	35.7	48.1	12.8
Family type in fall 2010[f]					
Two parents	2,432,987	76	30.6	43.4	11.7
One parent	715,725	22	25.9	38.3	10.6
Other	69,293	2	24.6	37.3	10.7
Primary home language in fall 2010[g]					
Not English	514,014	15	24.1	37.3	8.8
English	2,909,750	84	30.2	42.9	11.8
School type in fall 2010					
Public	3,074,220	89	28.8	41.5	11.2
Private	398,682	11	32.9	45.8	12.3

[a] There was no science assessment in fall 2010.
[b] Other racial and ethnic groups are included in All children but are not shown separately in the table.
[c] Hispanic may be any race. American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and more than one race refer to individuals who are not of Hispanic origin.
[d] 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.
[e] 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 single-parent household.
[f] Two parents includes two biological parents, two adoptive parents, and one biological/adoptive parent and one other parent/partner. One parent refers to one biological or adoptive parent only. Other refers to related or unrelated guardians.
[g] Excludes about 1% of students with multiple home languages or no primary home language identified.

NOTES: Mathematics assessment scores range from 0 to 75, and science assessment scores range from 0 to 20. Detail may not sum to total due to rounding, missing data, and categories excluded for some variables.

SOURCES: Science scores: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2013) of the Early Childhood Longitudinal Study, Kindergarten Class of 2010−11, National Center for Education Statistics. Number of students and mathematics scores: Mulligan GM, Hastedt S, McCarroll JC, *First-Time Kindergartners in 2010−11: First Findings From the Kindergarten Rounds of the Early Childhood Longitudinal Study, Kindergarten Class of 2010−11* (ECLS-K:2011), NCES 2012-049 (2012).

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