

TABLE S1-4

Students in grades 4, 8, and 12 scoring at or above NAEP's proficient level in mathematics for their grade, by student grade and characteristics: 1990–2017

(Percent)

Student grade and characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011	2013	2015	2017
Male	NA	NA	NA	NA	NA	25.1	NA	28.3	NA	27.6	26.2	NA
Female	NA	NA	NA	NA	NA	21.1	NA	23.5	NA	23.8	22.7	NA
Race or ethnicity ^a												
White	NA	NA	NA	NA	NA	28.9	NA	32.7	NA	33.2	31.7	NA
Black or African American	NA	NA	NA	NA	NA	5.6	NA	6.2	NA	7.1	7.1	NA
Hispanic or Latino ^b	NA	NA	NA	NA	NA	8.1	NA	11.0	NA	11.8	11.9	NA
Asian or Pacific Islander	NA	NA	NA	NA	NA	36.0	NA	51.8	NA	46.8	46.2	NA
American Indian or Alaska Native	NA	NA	NA	NA	NA	6.1	NA	11.6	NA	12.5	9.9	NA
More than one race	NA	NA	NA	NA	NA	18.9	NA	28.2	NA	25.7	30.6	NA
Parents' highest education ^e												
Did not finish high school	NA	NA	NA	NA	NA	6.9	NA	8.1	NA	9.1	7.1	NA
Graduated from high school	NA	NA	NA	NA	NA	11.5	NA	13.9	NA	12.2	12.4	NA
Some education after high school	NA	NA	NA	NA	NA	18.2	NA	19.0	NA	19.6	18.0	NA
Graduated from college	NA	NA	NA	NA	NA	34.3	NA	38.0	NA	37.7	36.8	NA
Unknown	NA	NA	NA	NA	NA	5.8	NA	7.9	NA	5.6	0.0	NA
Socioeconomic status ^c												
Eligible for free or reduced-price lunch	NA	NA	NA	NA	NA	7.7	NA	10.2	NA	11.4	11.0	NA
Not eligible for free or reduced-price lunch	NA	NA	NA	NA	NA	26.7	NA	31.9	NA	33.7	32.3	NA
Student disability status ^d												
Has a disability	NA	NA	NA	NA	NA	4.5	NA	6.6	NA	5.9	5.7	NA
Does not have a disability	NA	NA	NA	NA	NA	24.4	NA	27.5	NA	27.7	26.3	NA
English language learner status ^d												
English language learner	NA	NA	NA	NA	NA	3.1	NA	4.0	NA	2.8	5.7	NA
Not English language learner	NA	NA	NA	NA	NA	23.8	NA	26.6	NA	26.4	25.2	NA

NA = not available; s = suppressed for reasons of confidentiality and/or reliability.

NAEP = National Assessment of Educational Progress.

^a Other racial and ethnic groups are included in the rows for All students in grade 4, All students in grade 8, and All students in grade 12 but are not shown separately in the table.

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

^c NAEP uses eligibility for the federal National School Lunch Program (NSLP) as a measure of socioeconomic status. NSLP is a federally assisted meal program that provides low-cost or free lunches to eligible students. It is sometimes referred to as the free or reduced-price lunch program. Information on students' eligibility for free or reduced-price lunch was first collected in 1996.

^d From 1996 on, students with a disability and English language learners were allowed to use testing accommodation (e.g., extended time, one-on-one testing, bilingual dictionary).

^e Parents' highest level of education is defined by the highest level reported by eighth graders and twelfth graders for either parent. Fourth graders were not asked to indicate their parents' highest level of education because their responses in previous studies were highly variable, and a large percentage of them chose the "I don't know" option.

Note(s)

From 1996 on, data shown here are for students allowed to use testing accommodations. NAEP does not collect parental education data for students in grade 4. Grade 12 mathematics data are presented from 2005, 2009, 2013, and 2015 only because the mathematics framework was substantially revised in 2005, making prior assessment results not comparable with those in or after 2005. Mathematics assessment was not conducted in 2007 and 2011 for grade 12.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, special tabulations (2018) of the 1990–2017 NAEP mathematics assessments, National Center for Education Statistics, Department of Education.

