

Appendix table 1-15

High school graduates who attended schools offering advanced mathematics courses, by student and school characteristics: Selected years, 1990–2003

(Percent)

Class and characteristic	Trigonometry/ algebra III	Precalculus/ analysis	Statistics and probability	Calculus	
				Any calculus	AP/IB calculus
1990 graduates	83.4	73.5	24.1	79.2	NA
1994 graduates	78.3	76.9	34.8	84.9	NA
1998 graduates	70.6	80.7	35.5	85.9	64.2
2000 graduates					
Overall	68.0	86.7	50.9	92.6	76.7
Race/ethnicity					
White	68.7	85.8	48.5	91.9	73.3
Black	77.8	88.6	59.2	92.5	83.1
Hispanic	53.7	88.8	47.0	94.2	83.0
Asian/Pacific Islander	62.1	90.4	67.7	97.0	89.7
Other	80.6	84.8	63.5	95.3	81.2
School sector					
Public	67.8	85.8	52.2	93.4	76.9
Private	70.0	98.1	35.9	83.8	75.2
Community type					
Urban	68.4	91.0	60.6	97.9	86.7
Suburban	66.4	89.1	59.1	95.1	86.9
Rural	70.8	77.4	23.6	81.6	45.1
Size (enrollment)					
Small (1–599)	70.2	68.8	22.5	76.7	31.3
Medium (600–1,799)	65.4	91.7	49.3	94.0	82.1
Large ($\geq 1,800$)	71.5	88.6	72.0	100.0	95.3
Poverty rate ^a					
Very low	68.6	88.9	63.0	96.0	86.1
Low	66.5	85.8	53.6	92.3	74.3
Medium	64.3	84.0	40.2	92.2	74.5
High	61.4	83.4	47.6	83.2	69.5

NA = not available

AP = Advanced Placement; IB = International Baccalaureate

^aStudents eligible for national free/reduced-priced lunch program: very low = $\leq 5\%$, low = 6–25%, medium = 26–50%, and high = 51–100%.

NOTES: AP and IB courses coded separately in 1998 and 2000 but not in prior years. AP/IB calculus courses appear in two columns: alone in their specific column and along with other calculus courses in any-calculus column.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, 1990, 1994, 1998, and 2000 High School Transcript Studies.