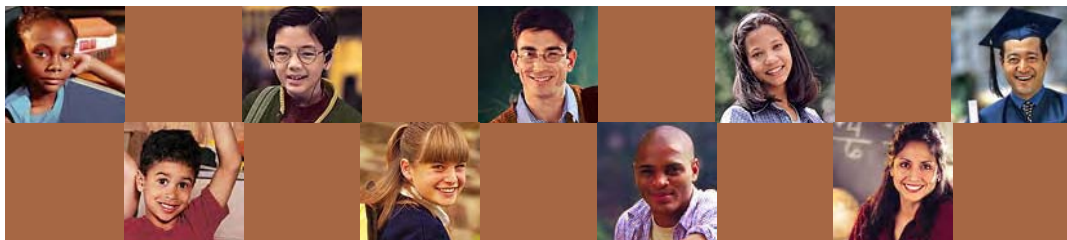


the condition of education 2005



INDICATOR 25

Availability of Advanced Courses in High Schools

The indicator and corresponding tables are taken directly from *The Condition of Education 2005*. Therefore, the page numbers may not be sequential.

Additional information about the survey data and supplementary notes can be found in the full report. For a copy of *The Condition of Education 2005*, visit the NCES website (<http://nces.ed.gov/pubsearch/pubsinfo.sap?pubid=2005094>) or contact ED PUBs at 1-877-4ED-PUBS.

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U.S. Department of Education, National Center for Education Statistics. (2005). *The Condition of Education 2005*, NCES 2005-094, Washington, DC: U.S. Government Printing Office.

Learning Opportunities

Availability of Advanced Courses in High Schools

Students in rural schools or schools with a 12th-grade enrollment of less than 150 have the least opportunity to take one or more advanced courses in mathematics, English, science, and a foreign language.

Since 1982, the percentage of students completing advanced coursework in mathematics, English, science, and foreign language has increased (NCES 2003–067, *indicator 24*; NCES 2004–077, *indicator 21*). However, students can be limited in the number of advanced courses they take by the level of coursework offered in their schools. This indicator examines the extent to which students attend schools that offer advanced courses in these four subject areas.

Overall, 74 percent of high school students attended schools that offered at least one advanced course in each of these four subjects in 2000, some 58 percent attended schools that offered at least two, and 22 percent attended schools that offered four or more (see supplemental table 25-1).

Students attending schools in a central city or urban fringe/large town and students in schools with a 12th-grade enrollment of 450 or more were more likely than their peers to have the opportunity to take four or more advanced courses in each subject. Students attending schools in the Northeast and Southeast were also more likely to have such an opportunity than their peers in schools in Central states.

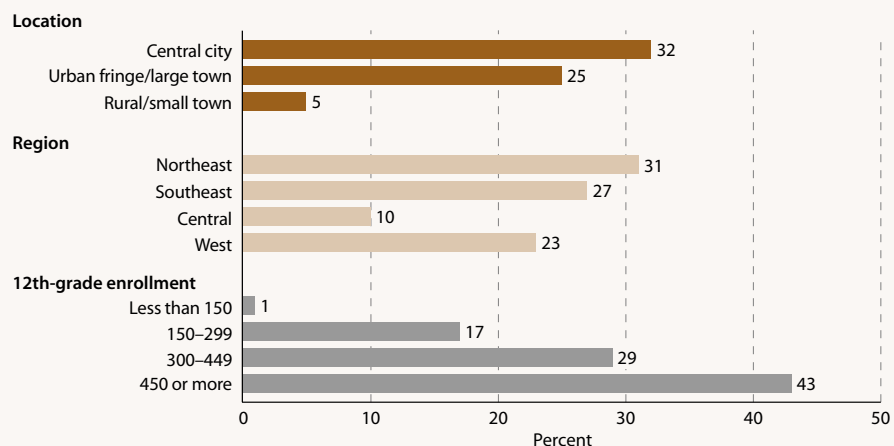
Students in rural/small town schools and in schools with a 12th-grade enrollment of less than 150 students were less likely than their peers to be able to take one or more advanced courses in each subject in 2000. Compared with their peers in central city or urban fringe/large town schools, students in rural/small town schools were also less than one-fourth as likely to be offered seven or more advanced mathematics courses or four or more advanced foreign language courses. They were also half as likely to be offered four or more advanced science courses (see supplemental tables 25-2 and 25-3).

Differences in the number of advanced courses offered by race/ethnicity were also found. A greater percentage of Asian/Pacific Islander students than American Indian, Black, White, and Hispanic students were likely to attend schools that offered four or more foreign language courses. When compared with American Indian students, Asian/Pacific Islander students were also more likely to attend schools that offered four or more science courses.

NOTE: See *supplemental note 6* for a definition of advanced coursework. See *supplemental note 1* for details on geographic location, region, and poverty. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).

AVAILABILITY OF ADVANCED COURSES: Percentage of students in schools that offer at least four advanced courses each in mathematics, English, science, and foreign language, by location, region, and 12th-grade enrollment: 2000



FOR MORE INFORMATION:
Supplemental Notes 1, 6
Supplemental Tables 25-1,
25-2, 25-3

NCES 2003–067

NCES 2004–077

Availability of Advanced Courses in High Schools

Table 25-1. Percentage distribution of all students and percentage of students in schools offering some advanced coursework in mathematics, English, science, and foreign language, by student and school characteristics: 2000

Student or school characteristic	Percent of all students	In all four subjects		
		At least one course offered	At least two courses offered	At least four courses offered
Total	100.0	74.0	58.3	22.2
Race/ethnicity ¹				
American Indian	0.8	73.4	52.8	10.8!
Asian/Pacific Islander	4.3	90.6	78.3	37.5
Black	13.4	73.5	56.5	24.7
White	67.6	71.3	56.0	20.9
Hispanic	13.0	82.8	66.5	23.3
Location				
Central city	26.0	90.2	71.7	32.0
Urban fringe/large town	49.9	83.6	72.4	25.3
Rural/small town	24.2	36.6	14.5!	5.3!
Region				
Northeast	22.1	81.9	71.6	30.6
Southeast	22.5	57.0	47.7	26.7
Central	25.1	67.2	43.9	9.8!
West	30.4	86.3	68.2	23.0
12th-grade enrollment				
Less than 150	22.0	32.0	25.0	1.1!
150–299	24.6	74.0	55.4	17.1!
300–449	22.0	87.7	67.8	29.3
450 or more	17.2	98.4	95.2	43.0

! Interpret data with caution (estimates are unstable).

¹ American Indian includes Alaska Native, Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified.

NOTE: See *supplemental note 6* for a definition of advanced courses in mathematics, English, science, and foreign language. See *supplemental note 1* for details on location and region. Percentage distributions may not add up to 100 because nonresponse categories are not shown. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).

Availability of Advanced Courses in High Schools

Table 25-2. Percentage distribution of students by the number of advanced mathematics and English courses offered in their school and the average number of advanced courses offered by subject, by student and school characteristics: 2000

Student or school characteristic	Advanced mathematics					Advanced English				
	Percentage of students in schools offering				Average number of courses offered	Percentage of students in schools offering				Average number of courses offered
	No courses	One to three courses	Four to six courses	Seven or more courses		No courses	One to three courses	Four to six courses	Seven or more courses	
Total	0.8!	21.8	39.4	38.0	6.2	7.7	22.2	54.0	16.1	4.4
Race/ethnicity ¹										
American Indian	#	29.3	34.8	36.0	5.5	8.3!	29.4	46.8	15.6!	3.9
Asian/Pacific Islander	2.1!	10.0!	30.1	57.7	7.9	2.7!	13.9	60.9	22.6	5.3
Black	0.9!	9.8	43.5	45.8	7.0	2.4!	21.0	59.0	17.6	4.9
White	0.1!	26.4	38.5	34.9	5.9	9.2	23.9	52.8	14.1	4.2
Hispanic	3.7!	14.6	45.4	36.2	5.9	6.5!	13.8	56.1	23.7	5.0
Location										
Central city	0.7!	10.5!	30.6	58.2	7.5	2.2!	18.6	58.7	20.5	5.2
Urban fringe/large town	1.1!	15.0	43.0	40.9	6.6	2.9!	19.3	59.4	18.5	4.8
Rural/small town	0.3!	48.1	41.4	10.2!	3.9	23.7	31.9	37.8	6.6!	2.7
Region										
Northeast	0.9!	17.0	37.0	45.1	7.2	7.9!	17.0!	55.8	19.3!	4.7
Southeast	0.2!	16.2!	49.2	34.5	6.2	2.7!	9.4!	63.5	24.4	5.5
Central	#	28.6	41.8	29.6	5.3	15.1	39.7	38.8	6.4!	3.0
West	1.9!	24.0	31.9	42.3	6.2	5.3!	20.9	58.2	15.7	4.6
12th-grade enrollment										
Less than 150	3.5!	37.6	42.4	16.5!	4.1	28.5	30.5	35.0	5.9!	2.6
150–299	#	24.3	45.9	29.7	5.8	2.0!	23.9	61.7	12.3!	4.6
300–449	#	16.2!	36.9	47.0	7.1	1.2!	14.4!	60.8	23.6!	5.1
450 or more	#	3.3!	33.4	63.3	7.8	#	14.2!	66.1	19.6!	5.2

Rounds to zero.

! Interpret data with caution (estimates are unstable).

¹ American Indian includes Alaska Native, Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified.

NOTE: See supplemental note 6 for a definition of advanced courses in mathematics and English. See supplemental note 1 for details on location and region. Results from these categories cannot be directly compared with results from previous years. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).

Availability of Advanced Courses in High Schools

Table 25-3. Percentage distribution of students by the number of advanced science and foreign language courses offered in their school and the average number of advanced courses offered by subject, by student and school characteristics: 2000

Student or school characteristic	Advanced science					Advanced foreign language				
	Percentage of students in schools offering				Average number of courses offered	Percentage of students in schools offering				Average number of courses offered
	No courses	One course	Two to three courses	Four or more courses		No courses	One course	Two to three courses	Four or more courses	
Total	10.7	11.6	38.4	39.3	3.3	19.9	13.0	21.5	45.6	3.9
Race/ethnicity¹										
American Indian	13.4!	11.6!	50.5	24.5	2.8	21.8	17.3	24.5	36.4	2.8
Asian/Pacific Islander	5.1!	3.0!	39.9	52.0	4.1	7.0	9.9!	17.4	65.6	5.0
Black	6.7!	12.8	30.8	49.7	3.8	23.3	11.7!	18.5	46.5	4.7
White	12.3	11.8	39.0	36.9	3.2	21.5	14.6	20.3	43.6	3.5
Hispanic	8.5!	12.5	44.3	34.7	3.1	13.2	7.0!	33.7	46.1	4.2
Location										
Central city	3.3!	8.3!	39.0	49.3	4.0	5.9!	9.2!	25.3	59.7	5.7
Urban fringe/large town	6.8!	6.9!	43.8	42.5	3.5	11.7	8.9!	25.1	54.3	4.3
Rural/small town	26.5	24.8	26.7	21.9!	2.1	51.9	25.4	10.1!	12.5!	1.1
Region										
Northeast	5.7!	14.5!	26.0	53.8	4.1	12.0!	4.0!	19.5	64.6	4.9
Southeast	16.0	13.1!	33.0	38.0	3.2	34.0	16.7!	11.2!	38.1	3.7
Central	14.9!	15.1	41.9	28.1	2.6	23.5	17.8!	23.5	35.2	3.0
West	6.9!	5.4!	48.6	39.1	3.5	12.3	12.7!	29.0	46.0	4.0
12th-grade enrollment										
Less than 150	33.7	21.6	32.6	12.1!	1.6	54.0	13.5!	12.0!	20.5	1.5
150–299	9.0!	12.5!	46.9	31.7	3.2	17.1	15.2!	27.2	40.6	4.3
300–449	0.8!	4.9!	33.6	60.8	4.3	10.4!	17.3!	25.6	46.8	4.2
450 or more	#	1.6!	43.0	55.5	4.3	1.6!	1.6!	19.4!	77.4	5.5

Rounds to zero.

! Interpret data with caution (estimates are unstable).

¹ American Indian includes Alaska Native, Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified.

NOTE: See *supplemental note 6* for a definition of advanced courses in science and foreign language courses. See *supplemental note 1* for details on location and region. Results from these categories cannot be directly compared with results from previous years. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).

Availability of Advanced Courses in High Schools

Table S25. Standard errors for the percentage of students in schools that offer at least four advanced courses each in mathematics, English, science, and foreign language, by location, region, and 12th-grade enrollment: 2000

Characteristic	At least four courses offered
Location	
Central city	6.4
Urban fringe/large town	4.8
Rural/small town	3.1
Region	
Northeast	6.6
Southeast	6.5
Central	4.3
West	5.8
12th-grade enrollment	
Less than 150	1.1
150–299	5.3
300–449	7.6
450 or more	7.9

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).

Availability of Advanced Courses in High Schools

Table S25-1. Standard errors for the percentage distribution of all students and percentage of students in schools offering some advanced coursework in mathematics, English, science, and foreign language, by student and school characteristics: 2000

Student or school characteristic	Percent of all students	In all four subjects		
		At least one course offered	At least two courses offered	At least four courses offered
Total	†	2.41	2.96	3.11
Race/ethnicity				
American Indian	0.14	7.96	7.00	3.59
Asian/Pacific Islander	0.47	2.97	4.91	6.99
Black	1.44	4.97	6.00	5.24
White	2.03	2.92	3.64	3.11
Hispanic	1.39	3.59	4.26	4.96
Location				
Central city	2.30	3.57	6.14	6.43
Urban fringe/large town	3.33	3.32	4.32	4.76
Rural/small town	2.67	6.31	4.85	3.15
Region				
Northeast	1.25	5.26	5.46	6.57
Southeast	1.63	5.22	6.62	6.46
Central	0.58	4.89	6.25	4.28
West	1.61	3.33	4.59	5.82
12th-grade enrollment				
Less than 150	2.59	5.28	5.15	1.12
150–299	2.87	5.75	6.63	5.28
300–449	2.71	5.03	7.59	7.63
450 or more	2.77	1.57	2.72	7.90

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).

Availability of Advanced Courses in High Schools

Table S25-2. Standard errors for the percentage distribution of students by the number of advanced mathematics and English courses offered in their school and the average number of advanced courses offered by subject, by student and school characteristics: 2000

Student or school characteristic	Advanced mathematics					Advanced English				
	Percentage of students in schools offering				Average number of courses offered	Percentage of students in schools offering				Average number of courses offered
	No courses	One to three courses	Four to six courses	Seven or more courses		No courses	One to three courses	Four to six courses	Seven or more courses	
Total	0.49	2.66	3.30	3.27	0.27	1.59	2.33	3.63	2.59	0.17
Race/ethnicity										
American Indian	†	7.80	8.16	9.74	0.38	3.55	5.86	10.46	8.46	0.46
Asian/Pacific Islander	1.62	3.10	6.13	6.58	0.69	1.66	3.78	7.06	6.35	0.38
Black	0.57	2.73	4.96	5.74	0.43	0.87	4.64	5.04	3.19	0.29
White	0.07	3.21	3.94	3.85	0.29	2.07	3.09	4.52	2.79	0.19
Hispanic	2.49	2.71	4.50	3.90	0.27	2.81	2.55	5.35	5.25	0.30
Location										
Central city	0.73	4.48	5.63	6.54	0.48	1.52	4.97	6.01	4.94	0.38
Urban fringe/large town	0.89	3.90	5.14	5.35	0.48	1.49	4.18	5.35	4.60	0.24
Rural/small town	0.28	6.31	6.31	4.15	0.25	5.18	5.78	7.32	3.52	0.34
Region										
Northeast	0.86	4.82	8.89	6.87	0.78	3.18	5.49	9.45	7.71	0.43
Southeast	0.17	6.15	5.06	8.59	0.60	1.34	2.98	5.27	5.22	0.34
Central	†	7.05	8.18	7.28	0.41	4.21	6.48	8.24	2.88	0.31
West	1.48	2.98	4.68	5.00	0.40	2.70	3.87	6.22	4.41	0.31
12th-grade enrollment										
Less than 150	2.19	5.92	7.57	5.16	0.27	5.58	5.24	6.99	4.11	0.34
150–299	†	6.14	6.41	6.97	0.48	1.43	5.96	6.75	4.96	0.38
300–449	†	6.13	6.70	6.72	0.77	1.18	5.38	8.18	7.39	0.39
450 or more	†	2.30	7.41	7.55	0.47	†	6.15	8.15	7.02	0.29

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).

Availability of Advanced Courses in High Schools

Table S25-3. Standard errors for the percentage distribution of students by the number of advanced science and foreign language courses offered in their school and the average number of advanced courses offered by subject, by student and school characteristics: 2000

Student or school characteristic	Advanced science					Advanced foreign language				
	Percentage of students in schools offering				Average number of courses offered	Percentage of students in schools offering				Average number of courses offered
	No courses	One course	Two to three courses	Four or more courses		No courses	One course	Two to three courses	Four or more courses	
Total	1.90	1.88	2.97	3.35	0.16	1.91	2.69	2.68	3.04	0.26
Race/ethnicity										
American Indian	5.19	4.11	7.63	4.81	0.28	6.00	4.71	5.93	6.83	0.30
Asian/Pacific Islander	2.16	1.09	6.98	7.12	0.35	2.08	4.07	2.94	5.43	0.49
Black	2.02	2.89	4.97	6.32	0.29	4.36	3.74	4.23	6.22	0.84
White	2.31	2.19	3.77	3.77	0.19	2.49	3.38	3.02	3.53	0.24
Hispanic	3.07	3.44	5.52	5.42	0.23	2.74	2.31	5.49	5.95	0.47
Location										
Central city	1.76	3.25	6.26	6.68	0.35	2.36	3.71	5.26	6.94	0.75
Urban fringe/large town	2.29	2.48	4.94	5.06	0.24	3.04	2.71	4.02	4.36	0.30
Rural/small town	5.42	5.77	5.52	7.26	0.32	6.49	6.82	4.16	4.63	0.22
Region										
Northeast	2.89	4.86	7.52	7.19	0.42	3.97	2.47	5.82	5.39	0.55
Southeast	3.52	3.95	6.42	5.35	0.37	4.55	5.28	4.20	6.76	0.70
Central	5.00	3.96	5.09	7.80	0.32	3.81	7.89	6.73	5.96	0.34
West	2.71	2.28	5.52	5.41	0.27	2.88	4.01	4.43	5.41	0.45
12th-grade enrollment										
Less than 150	6.33	4.97	5.52	4.87	0.22	5.60	4.99	5.05	5.04	0.20
150–299	3.59	4.63	6.77	6.40	0.31	4.72	4.67	5.80	7.70	0.79
300–449	0.82	2.45	6.57	6.99	0.40	4.54	6.06	7.62	7.52	0.60
450 or more	†	1.52	8.77	8.56	0.40	1.51	1.64	6.14	6.59	0.44

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2000 High School Transcript Study (HSTS), previously unpublished tabulation (November 2004).