

Advanced Placement Examination Results in Texas and the United States, 2018-19

This report presents Advanced Placement (AP) examination participation and performance data for students in Texas and the United States in public and nonpublic schools combined. AP examination results are used by colleges and universities to make class placement decisions and to award college credit to incoming students who meet qualifying standards on the examinations.

Results presented in this report were obtained from summary reports released annually by the College Board. For additional information about AP examinations and results

reported by the Texas Education Agency (TEA) Division of Research and Analysis, including definitions of terms and explanations of calculations, please see *Advanced Placement and International Baccalaureate General Information, 2018-19* (TEA, forthcoming-b), and *Advanced Placement and International Baccalaureate Glossary of Terms, 2018-19* (TEA, forthcoming-c). AP and International Baccalaureate results for Texas public schools are presented in the report *Advanced Placement and International Baccalaureate Examination Results in Texas Public Schools, 2018-19* (TEA, forthcoming-a).

Advanced Placement Results for Texas and the United States

- In the 2018-19 school year, a total of 325,088 students in all grades in Texas public and nonpublic schools took 598,008 Advanced Placement (AP) examinations (Table 1). Texas ranked second in the nation in both number of AP examinees and number of AP examinations taken (Table 3 on page 5).
- Between 2017-18 and 2018-19, the number of AP examinations taken increased by 0.6 percent in Texas, compared to 0.1 percent in the United States as a whole (Table 1). The number of AP examinations with scores in the 3-5 range increased by 1.9 percent in Texas, compared to 1.2 percent in the United States. The percentage of examinations with scores in the 3-5 range increased by 0.7 percentage points in Texas and by 0.6 percentage point in the United States.
- In 2018-19, the percentage of AP examinees who reported their race/ethnicity to the College Board as African American, American Indian, Asian, Hispanic, Pacific Islander, or multiracial was considerably higher in Texas (68.7%) than the United States as a whole (49.0%) (Table 2 on page 4). In large part, the difference reflects the higher percentage of Hispanic AP examinees in Texas (46.9%), compared to the United States (24.3%).
- Of the four most populous states in the country in 2018-19, New York had the highest AP examination participation rate (32.0%) among public school students in Grades 11 and 12, followed by California (29.1%), Florida (26.9%), and Texas (26.0%) (Table 4 on page 7). All four states had higher participation rates than the United States as a whole (23.8%).
- For public and nonpublic schools combined in the four most populous states, New York had the highest percentage of examinations with scores in the 3-5 range (60.8%), followed by California (60.0%), Florida (54.8%), and Texas (48.6%). New York and California had higher percentages of examinations with scores in the 3-5 range than the United States as a whole (59.3%), while Florida and Texas had lower percentages.
- Among students in all grades in 2018-19, the three AP examinations with the largest numbers of test takers in Texas, in rank order, were English Language and Composition, World History, and United States History (Table 5 on page 8). The three AP examinations with the largest numbers of test takers in the United States, in rank order, were English Language and Composition, United States History, and English Literature and Composition.
- Compared to the United States, Texas had higher percentages of examinees with scores in the 3-5 range on 4 out of 38 examinations: Computer Science Principles, Art History, Latin, and Italian Language and Culture.

Table 1
Advanced Placement (AP) Examination Trends, Texas and the United States, 2008-09
Through 2018-19

Year	Examinees		Examinations		Examinations with scores of 3-5		Scores in 3-5 range (%)	
	Texas	U.S.	Texas	U.S.	Texas	U.S.	Texas	U.S.
2008-09	158,993	1,653,962	287,756	2,860,912	138,276	1,672,594	48.1	58.5
2009-10	179,320	1,802,144	325,571	3,134,686	153,539	1,802,472	47.2	57.5
2010-11	198,272	1,926,204	360,735	3,365,617	163,705	1,936,054	45.4	57.5
2011-12	207,321	2,046,377	374,091	3,594,696	179,021	2,114,995	47.9	58.8
2012-13	218,325	2,160,331	398,130	3,824,691	190,042	2,239,916	47.7	58.6
2013-14	238,161	2,281,499	434,001	4,056,283	211,192	2,380,263	48.7	58.7
2014-15	268,918	2,416,329	505,790	4,343,547	231,124	2,495,907	45.7	57.5
2015-16	289,550	2,538,998	542,178	4,559,273	250,081	2,620,390	46.1	57.5
2016-17	310,793	2,665,203	584,179	4,803,422	270,805	2,762,298	46.4	57.5
2017-18	318,150	2,727,480	594,643	4,923,072	286,847	2,877,811	48.2	58.5
2018-19	325,088	2,743,034	598,008	4,930,147	292,337	2,913,627	48.9	59.1

Source. Primary data from College Board. See, for example College Board (2019c, 2019e).

Note. Data are based on public and nonpublic school examinees.

Table 2
Advanced Placement (AP) Examinees, by Grade Level, Race/Ethnicity, and Gender, Texas and the United States, 2018-19

Examinee group	Number		Percent		Change from previous year (percentage-point)	
	Texas	U.S.	Texas	U.S.	Texas	U.S.
9th/10th grade	124,700	796,947	38.4	29.1	2.5	1.5
11th grade	101,669	973,834	31.3	35.5	-1.3	-0.4
12th grade	87,142	917,979	26.8	33.5	-0.6	-0.7
11th/12th grade	188,811	1,891,813	58.1	69.0	-1.9	-1.1
African American	22,361	196,918	6.9	7.2	0.1	0.0
American Indian	872	8,620	0.3	0.3	0.0	0.0
Asian	37,211	345,234	11.4	12.6	0.3	0.4
Hispanic	152,574	666,162	46.9	24.3	0.6	0.6
Pacific Islander	294	4,337	0.1	0.2	0.0	0.0
White	95,982	1,346,353	29.5	49.1	-0.7	-0.7
Multiracial	9,890	121,560	3.0	4.4	-0.1	-0.1
Other	1	1	<0.1	<0.1	0.0	0.0
Not stated	5,903	53,849	1.8	2.0	-0.3	-0.2
Female	182,347	1,552,788	56.1	56.6	-0.2	0.0
Male	142,741	1,190,246	43.9	43.4	0.2	0.0
Total	325,088	2,743,034	100	100	n/a ^a	n/a

Source. Primary data from College Board (2018c, 2018e, 2019c, 2019e).

Note. Data are based on public and nonpublic school examinees. Parts may not add to 100 percent because of rounding. Numbers of examinees by grade level may not sum to the totals because the totals include students who took examinations outside of Grades 9-12, or because of missing data or data errors.

^aNot applicable.

Table 3
Advanced Placement (AP) Examination Results, by State and the United States, 2018-19

State	Examinees		Examinations	
	Number	Change from previous year (%)	Number	Scoring 3-5 (%)
Alabama	29,472	-2.9	54,462	41.2
Alaska	3,104	-9.3	5,260	59.8
Arizona	40,860	0.2	72,533	59.4
Arkansas	27,724	-0.3	47,899	37.1
California	423,174	0.5	793,695	60.1
Colorado	53,755	1.0	91,101	61.4
Connecticut	37,469	1.0	70,423	69.2
Delaware	7,586	2.3	13,361	57.6
District of Columbia	6,642	1.0	12,532	56.0
Florida	217,393	-1.1	394,624	54.5
Georgia	96,311	-2.9	175,394	61.6
Hawaii	9,887	-0.2	16,022	54.2
Idaho	8,528	4.5	13,984	59.5
Illinois	128,748	2.5	234,674	63.7
Indiana	52,065	0.5	88,555	52.3
Iowa	13,658	0.5	21,111	60.4
Kansas	10,147	0.3	16,378	66.0
Kentucky	33,849	-3.5	54,791	52.9
Louisiana	25,295	4.4	37,544	42.1
Maine	8,640	2.0	15,056	57.1
Maryland	66,428	-1.6	123,872	67.1
Massachusetts	66,820	0.5	125,437	68.7
Michigan	65,327	-1.2	110,149	64.4
Minnesota	45,656	-0.7	74,291	66.1
Mississippi	10,562	-1.4	15,882	36.8
Missouri	28,380	2.7	47,277	63.4
Montana	3,698	5.7	5,706	65.4
Nebraska	9,251	4.1	15,506	57.3
Nevada	22,324	2.5	39,223	51.6
New Hampshire	7,646	-0.5	12,697	69.5

Source. Primary data from College Board (2019c).

Note. Data are based on public and nonpublic school examinees.

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Table 3 (continued)
Advanced Placement (AP) Examination Results, by State and the United States, 2018-19

State	Examinees		Examinations	
	Number	Change from previous year (%)	Number	Scoring 3-5 (%)
New Jersey	80,788	2.2	159,398	69.2
New Mexico	10,881	2.5	17,430	39.2
New York	179,974	3.6	319,337	61.3
North Carolina	82,148	-1.5	152,602	56.4
North Dakota	3,274	11.5	5,053	56.3
Ohio	72,745	-0.7	128,221	65.5
Oklahoma	18,025	-6.2	30,559	47.7
Oregon	21,557	2.1	35,521	60.2
Pennsylvania	77,481	0.3	138,647	67.8
Rhode Island	8,159	3.6	14,896	56.2
South Carolina	34,952	-0.9	57,895	59.3
South Dakota	2,932	2.5	4,895	68.2
Tennessee	40,161	3.7	68,620	56.5
Texas	325,088	2.2	598,008	48.9
Utah	29,679	4.9	45,542	67.4
Vermont	3,800	1.6	6,555	66.5
Virginia	79,554	-0.1	159,084	65.3
Washington	53,517	-1.3	92,346	63.4
West Virginia	8,054	1.1	12,895	45.0
Wisconsin	47,624	-0.9	79,817	66.5
Wyoming	2,242	2.0	3,387	54.8
United States	2,743,034	0.6	4,930,147	59.1

Source. Primary data from College Board (2019c).

Note. Data are based on public and nonpublic school examinees.

Table 4
Advanced Placement (AP) Examination Results, Grades 11 and 12, Four Most Populous States and the United States, 2018-19

State	Enrollment		Examinees		Examinations	
	Number	Taking at least 1 AP exam (%)	Number	Change from previous year (%)	Number	Scoring 3-5 (%)
California	932,046	29.1	271,627	-0.4	647,173	60.0
Florida	392,503	26.9	105,555	-2.2	272,317	54.8
New York	367,645	32.0	117,733	1.7	263,386	60.8
Texas	679,131	26.0	176,694	-1.2	431,839	48.6
United States	6,995,257	23.8	1,661,466	-1.0	3,875,614	59.3

Source. Primary data from College Board (2018a, 2018b, 2018c, 2018d, 2018e, 2019a, 2019b, 2019c, 2019d, 2019e).

Note. Data for enrollment and examinees are based on public schools only. Data for examinations are based on public and nonpublic schools combined.

Table 5
Advanced Placement (AP) Examinations and Scores, by Subject, Texas and the United States, 2018-19

Examination	Examinations				Scores			
	Number		Percent		Scoring in		Mean score	
	Texas	U.S.	Texas	U.S.	3-5 range (%)		Texas	U.S.
English Language and Composition	68,421	563,798	11.4	11.4	42.3	54.1	2.5	2.8
World History	62,767	309,118	10.5	6.3	44.8	55.1	2.5	2.8
United States History	55,809	492,450	9.3	10.0	43.9	53.6	2.4	2.7
Human Geography	45,781	221,304	7.7	4.5	39.2	48.7	2.3	2.5
English Literature and Composition	43,980	372,805	7.4	7.6	40.8	49.4	2.4	2.6
United States Government and Politics	35,105	313,872	5.9	6.4	45.1	55.1	2.4	2.7
Spanish Language and Culture	33,851	185,181	5.7	3.8	85.6	88.6	3.6	3.7
Macroeconomics	28,415	134,952	4.8	2.7	41.7	57.2	2.4	2.9
Physics 1	27,892	153,222	4.7	3.1	29.0	44.1	2.0	2.5
Biology	26,409	253,212	4.4	5.1	52.0	64.2	2.6	2.9
Calculus AB	25,774	285,923	4.3	5.8	45.7	57.8	2.6	3.0
Statistics	19,161	209,569	3.2	4.3	53.3	59.0	2.7	2.8
Environmental Science	19,068	169,690	3.2	3.4	41.7	49.0	2.5	2.7
Psychology	18,166	300,542	3.0	6.1	55.3	64.2	2.8	3.1
Chemistry	14,189	149,123	2.4	3.0	44.6	54.3	2.4	2.7
Calculus BC	11,143	125,267	1.9	2.5	74.7	81.1	3.6	3.8
Spanish Literature and Culture	6,911	28,353	1.2	0.6	64.7	71.4	2.9	3.1
Computer Science A	6,550	64,197	1.1	1.3	66.7	69.2	3.2	3.3
Computer Science Principles	5,844	94,360	1.0	1.9	73.6	71.7	3.2	3.1
European History	5,220	99,197	0.9	2.0	57.1	57.8	2.9	2.9
Physics C: Mechanics	4,760	50,831	0.8	1.0	75.4	81.3	3.5	3.7
Microeconomics	4,385	77,525	0.7	1.6	41.3	67.7	2.4	3.2
Capstone Seminar	3,860	41,542	0.6	0.8	80.6	80.6	3.1	3.1
Studio Art: 2-D Design	3,854	36,380	0.6	0.7	83.4	86.2	3.5	3.6
Physics 2	3,492	20,851	0.6	0.4	55.6	62.9	2.8	3.0
Art History	3,279	23,782	0.5	0.5	64.2	63.2	3.0	3.0
Physics C: Electricity and Magnetism	3,027	22,033	0.5	0.4	66.4	71.9	3.3	3.6
Studio Art: Drawing	2,540	20,754	0.4	0.4	86.6	90.8	3.5	3.6
Music Theory	2,341	18,493	0.4	0.4	61.7	63.4	3.1	3.1
French Language and Culture	1,480	21,306	0.2	0.4	63.9	75.4	3.0	3.2

Source: Primary data from College Board (2019c, 2019e).

Note: Data are based on public and nonpublic school examinees. Parts may not add to 100 percent because of rounding.

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Table 5 (continued)
Advanced Placement (AP) Examinations and Scores, by Subject, Texas and the United States, 2018-19

Examination	Examinations				Scores			
	Number		Percent		Scoring in 3-5 range (%)		Mean score	
	Texas	U.S.	Texas	U.S.	Texas	U.S.	Texas	U.S.
Capstone Research	1,319	14,927	0.2	0.3	73.6	75.4	3.1	3.1
Studio Art: 3-D Design	831	5,850	0.1	0.1	62.3	69.8	2.9	3.1
Chinese Language and Culture	779	12,153	0.1	0.2	87.2	88.6	4.1	4.1
Latin	541	6,052	0.1	0.1	63.4	62.8	2.9	3.0
Comparative Government and Politics	532	22,066	0.1	0.4	59.6	65.7	3.0	3.2
German Language and Culture	385	4,800	0.1	0.1	55.8	70.5	2.9	3.2
Japanese Language and Culture	111	2,113	<0.1	<0.1	73.9	76.4	3.2	3.5
Italian Language and Culture	36	2,554	<0.1	0.1	88.9	64.9	3.8	3.0

Source. Primary data from College Board (2019c, 2019e).

Note. Data are based on public and nonpublic school examinees. Parts may not add to 100 percent because of rounding.

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Abstract. This report presents Advanced Placement (AP) examination participation and performance results in Texas and the United States for the 2018-19 school year. The results are for public and nonpublic schools combined and are presented by race/ethnicity and gender.

The report is available in PDF format on the agency website at https://tea.texas.gov/Reports_and_Data/School_Performance/Accountability_Research/Advanced_Placement_and_International_Baccalaureate. Additional information about this report may be obtained by contacting the Texas Education Agency Division of Research and Analysis by phone at (512) 475-3523 or by e-mail at Research@tea.texas.gov.

For additional information about AP examinations, contact the College Board Southwestern Regional Office at (866) 392-3017 or <http://www.collegeboard.org/>.



**Texas Education Agency
1701 North Congress Avenue
Austin, Texas 78701-1494**

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