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INFORMATION

Office of Shared Accountability
MONTGOMERY COUNTY PUBLIC SCHOOLS
Rockville, Maryland

February 14, 2019

MEMORANDUM

To: High School Principals

From: Janet S. Wilson, Associate Superintendent

Subject: INFORMATION: 2018 Advanced Placement and International Baccalaureate Course Enrollment and Exam Participation and Performance

This memorandum provides you with the information related to Advanced Placement (AP) and International Baccalaureate (IB) courses enrollment and exam participation and performance during the 2017–2018 school year. Furthermore, AP/IB exam participation and performance of Montgomery County Public Schools (MCPS) students is benchmarked with the results of public school students in Maryland and the nation.

Advanced Placement and International Baccalaureate Course Enrollment in MCPS

MCPS is committed to ensuring access and opportunity of all students to advanced-level courses. AP and IB courses serve as key components for a rigorous instructional program as well as EXPERIENCES for college-level courses. Students who take AP or IB courses may participate in exams related to the course content. An AP exam score of 3 or higher or an IB exam score of 4 or higher is considered college ready. In 2018, all 25 MCPS comprehensive high schools offered AP courses and 8 schools provided IB programs (Attachment). Of all 25 high schools, 16 schools offered 30 or more AP/IB courses. Richard Montgomery (72), Bethesda-Chevy Chase (64), Albert Einstein (55), and Springbrook (55) high schools were the four high schools offering the most AP/IB courses.

Districtwide, nearly 54.0 percent of MCPS high school students enrolled in at least one AP or IB course in 2018 (Figure 1). In the past three years, AP/IB course enrollment increased 5.9 percentage points. Given the number and course offerings of AP/IB content differ by high school, it is prudent to compare the AP/IB course enrollment across schools with caution.

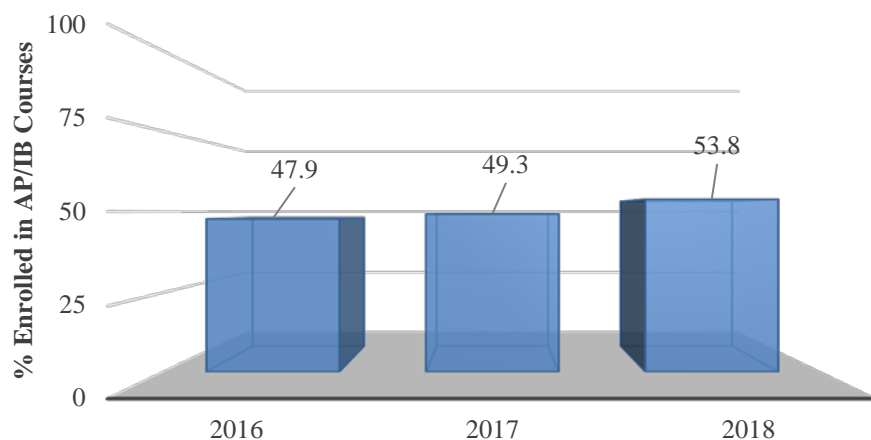


Figure 1. Percentage of MCPS High School Students Enrolled in at Least One Advanced Placement/International Baccalaureate Course from 2016 to 2018

In 2018, nearly 49.0 percent of male students in MCPS high schools enrolled in at least one AP/IB course, while slightly more than 59.0 percent of female students enrolled in one or more courses (Table 1). Among racial/ethnic groups, 74.4 percent of Asian, 67.1 percent of White, and 63.4 percent of Two or More Races students enrolled in one or more AP/IB courses. The AP/IB course enrollment rates for Black or African American and Hispanic/Latino students were 43.4 and 36.2 percent, respectively. Approximately 34.0 percent of high school students who received Free and Reduced-price Meals System (FARMS) services enrolled in at least one AP/IB course. The AP/IB course enrollment rates were 14.0 percent for those receiving Special Education and 18.5 percent for Limited English Proficiency (LEP) services. From 2016 to 2018, all student groups demonstrated increases in enrollment in AP/IB courses; Asian, Black or African American, Two or More Races students, and students receiving FARMS services increased more than 7.0 percentage points.

Table 1. Percentage of MCPS High School Students Enrolled in at Least One Advanced Placement or International Baccalaureate Course in 2016 and 2018 by Gender, Race/Ethnicity, and Services			
	% Enrolled in AP/IB Courses		3-year Rate Change
	2016	2018	
Male	43.0	48.8	5.8 ↑
Female	53.1	59.1	6.0 ↑
Asian	65.9	74.4	8.5 ↑
Black or African American	35.7	43.4	7.6 ↑
Hispanic/Latino	30.7	36.2	5.5 ↑
White	62.1	67.1	5.0 ↑
Two or More Races	55.2	63.4	8.2 ↑
Free and Reduced-price Meals System	26.9	34.1	7.2 ↑
Special Education	11.4	14.0	2.6 ↑
Limited English Proficiency	14.2	18.5	4.3 ↑

Further analysis by minority and poverty investigated one monitoring group, Non-FARMS All Other Student Groups, and five focus groups, Non-FARMS Black or African American, Non-FARMS Hispanic/Latino, FARMS All Other Student Groups, FARMS Black or African American, FARMS Hispanic/Latino. All focus groups increased their access to AP/IB courses from 2016 to 2018; FARMS All Other Student Groups made the largest gain in AP/IB course enrollment rate by 11.0 percentage points (Table 2).

Table 2. Percentage of MCPS High School Students Enrolled in at Least One Advanced Placement or International Baccalaureate Course in 2016 and 2018 by Focus Group			
	% Enrolled in AP/IB Courses		3-year Rate Change
	2016	2018	
Non-FARMS All Other Student Groups	64.9	70.8	5.9 ↑
Non-FARMS Black or African American	41.9	50.2	8.3 ↑
Non-FARMS Hispanic/Latino	41.0	44.4	3.4 ↑
FARMS All Other Student Groups	38.5	49.5	11.0 ↑
FARMS Black or African American	28.5	35.0	6.5 ↑
FARMS Hispanic/Latino	22.3	29.4	7.1 ↑

Note. All Other Student Groups includes American Indian or Alaskan Native, Asian, Native Hawaiian or Other Pacific Islander, White, and Two or More Races students.

Advanced Placement Exam Participation and Performance: MCPS, Maryland, and the Nation

The continued emphasis on rigorous course-taking resulted in 40,404 AP exams taken by MCPS students in 2018 with 28,604 of those tests having a score of 3 or higher (Table 3). The number of AP exams taken by MCPS students in 2018 accounted for 36.9 percent of all those taken by Maryland public school students, and the number of AP exams with scores of 3 or higher taken by MCPS students accounted for 39.9 percent of all those in Maryland.

Table 3. Number of Advanced Placement Exams and Number of Advanced Placement Exam Scores of 3 or Higher Taken by Public School Students in MCPS, Maryland and the Nation in 2018 by Race/Ethnicity						
	Number of AP Exams Taken			Number of AP Exams 3 or Higher		
	MCPS	Maryland	Nation	MCPS	Maryland	Nation
All Students	40,404	109,563	4,354,784	28,604	71,733	2,490,937
Asian	10,911	19,383	654,359	8,435	14,528	462,381
Black or African American	5,060	14,694	284,732	2,382	6,056	85,163
Hispanic/Latino	5,509	11,762	1,008,507	3,042	6,479	428,815
White	16,689	54,000	2,108,040	13,049	38,209	1,346,450
Two or More Races	2,177	6,173	197,318	1,666	4,123	117,834

Note. AP = Advanced Placement. Results for MCPS American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students but are not reported separately. AP exam results are based on data reported by the College Board as of September 2018.

The percentage of AP exams taken by MCPS students who attained scores of 3 or higher (70.8 percent) was 5.3 and 13.6 percentage points greater than those for public school students in the state of Maryland (65.5 percent) and the nation (57.2 percent), respectively (Figure 2).

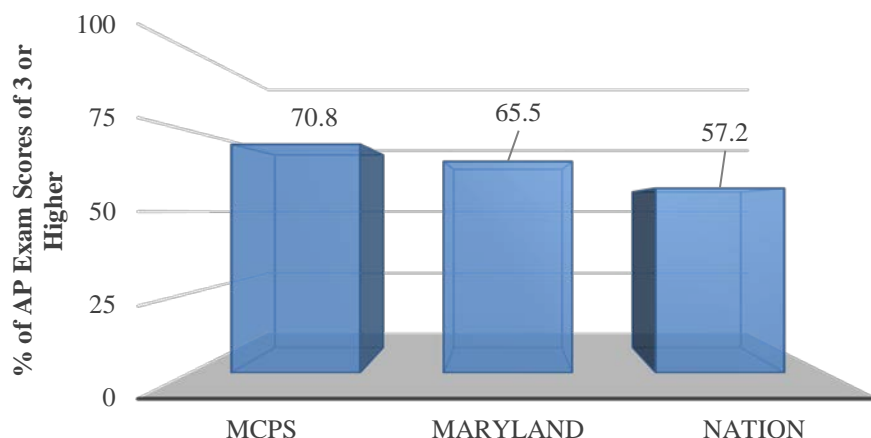


Figure 2. Percentage of Advanced Placement Exams with a Score of 3 or Higher Taken by Public School Students in MCPS, Maryland and the Nation in 2018

MCPS students of all racial/ethnic groups exceeded the percentage of AP exams with scores of 3 or higher compared with the public school students in the state of Maryland and the nation. Among all racial/ethnic groups, the percentage of AP exams taken by MCPS Two or More Races students had the greatest difference (9.7 percentage points) compared to those in Maryland public schools (Table 4). Particularly noteworthy was the percentage of AP exams taken by MCPS Black or African American students earning scores of 3 or higher (47.1 percent), which was 17.2 percentage points greater than those in the nation (29.9 percent).

Table 4. Percentage of Advanced Placement Exams with a Score of 3 or Higher Taken by Public School Students in MCPS, Maryland and the Nation in 2018 by Race/Ethnicity			
	% AP Exams 3 or Higher		
	MCPS	Maryland	Nation
Asian	77.3	75.0	70.7
Black or African American	47.1	41.2	29.9
Hispanic/Latino	55.2	55.1	42.5
White	78.2	70.8	63.9
Two or More Races	76.5	66.8	59.7

Note. AP = Advanced Placement. AP exam results are based on data reported by the College Board as of September 2018.

Advanced Placement Exam Participation and Performance Trends: MCPS, Maryland, and the Nation

From 2016 to 2018, the number of AP exams taken by MCPS students increased by 5,644 tests (Table 5). A similar upward trend was observed in Maryland (1,171 more tests) and the nation (336,768 more tests). Likewise, the number of AP exams taken by each racial/ethnic group in MCPS and the nation increased. In Maryland, the number of AP exams taken by Asian (2,002 more tests), Hispanic/Latino (1,203 more tests), and Two or More Races (587 more tests) public school students increased; however, the number of exams taken by Black or African American (1,517 less tests) and White (2,688 less tests) students decreased.

The percentage of AP exams with scores of 3 or greater taken by public school students in the state of Maryland and the nation increased 3.4 and 1.2 percentage points, respectively, while MCPS AP scores decreased 3.3 percentage points from 2016 to 2018 (Table 5). There were decreases among all racial/ethnic groups in MCPS, while the percentage of AP exam performance increased for all racial/ethnic groups in Maryland and the nation.

Table 5. Differences for Number of AP Exams Taken by Public School Students in MCPS, Maryland and the Nation and Percentage Points of Advanced Placement Exam with a Score of 3 or Higher from 2016 to 2018 by Race/Ethnicity

	Difference for Number of AP Exams Taken from 2016 to 2018			Percentage Points of AP Exams with a Score of 3+ from 2016 to 2018		
	MCPS	Maryland	Nation	MCPS	Maryland	Nation
All Students	5,644	1,171	336,768	-3.3 ↓	3.4 ↑	1.2 ↑
Asian	2,193	2,002	82,220	-1.9 ↓	0.6 ↑	2.0 ↑
Black or African American	958	-1,517	15,933	-3.0 ↓	7.0 ↑	1.8 ↑
Hispanic/Latino	1,213	1,203	119,377	-4.8 ↓	1.5 ↑	1.4 ↑
White	864	-2,688	59,677	-2.4 ↓	2.6 ↑	1.0 ↑
Two or More Races	400	598	29,971	-3.6 ↓	5.7 ↑	11.5 ↑

Note. AP = Advanced Placement. Results for MCPS American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students but are not reported separately. AP exam results are based on data reported by the College Board as of September 2018.

Advanced Placement Exam Participation and Performance: MCPS High Schools

MCPS high schools continued to support AP exam participation and performance of minority students. Between 2016 and 2018, 19 of the 25 high schools observed an increase in the number of AP exams taken by Black or African American students and 23 of the 25 high schools experienced an increase in the number of AP exams taken by Hispanic/Latino students (Table 6). In 12 of the 25 high schools, there was an increase in the percentage of AP exams with a score of 3 or higher taken by Black or African American students and in 9 of the 25 high schools, gains in the percentage of AP exams with a score of 3 or higher taken by Hispanic/Latino students. Ten of the 25 high schools noted increases for both AP exam participation and performance for Black or African American students; of those, Northwood High School demonstrated the greatest improvement (14.7 percentage points) in these students earning AP exam scores of 3 or higher. Eight of the 25 high schools exhibited increases for both AP exam participation and performance for Hispanic/Latino students; among these schools, Seneca Valley High School recorded the largest increase (34.4 percentage points) in these students earning AP exam scores of 3 or higher.

Table 6. Number of High Schools with Increases in Advanced Placement Exam Participation and Performance from 2016 to 2018 by Minority

	N of AP Exams Taken	% AP Exams 3 or Higher	Both
Black or African American	19	12	10
Hispanic/Latino	23	9	8

Among all focus groups that had the greatest number of high schools improving in AP exam participation, performance, or both, 21 high schools demonstrated an increase in the number of AP exams taken by Non-FARMS Hispanic/Latino from 2016 to 2018 and 13 high schools experienced an increase in the percentage of AP exams with scores of 3 or greater taken by Non-FARMS Black or African American students (Table 7). Eleven of the 25 high schools exhibited an increase in both AP exam participation and performance by Non-FARMS Black or African American students.

Table 7. Number of High Schools with Increases in Advanced Placement Exam Participation and Performance from 2016 to 2018 by Focus Group

	N of AP Exams Taken	% AP Exams 3 or Higher	Both
Non-FARMS All Other Student Groups	21	4	3
Non-FARMS Black or African American	20	13	11
Non-FARMS Hispanic/Latino	21	11	9
FARMS All Other Student Groups	14	11	5
FARMS Black or African American	13	12	5
FARMS Hispanic/Latino	20	6	4

Note. All Other Student Groups includes American Indian or Alaskan Native, Asian, Native Hawaiian or Other Pacific Islander, White, and Two or More Races students.

In 2018, the 20 AP exams most frequently taken by students in MCPS were: U.S. Government and Politics, English Language and Composition, World History, Psychology, English Literature and Composition, U.S. History, Calculus AB, Statistics, Biology, Calculus BC, Spanish Language, Environmental Science, Chemistry, Physics 1, Computer Science Principles, Microeconomics, Macroeconomics, Computer Science A, Physics C: Mechanics, and Human Geography.

At least 3 student groups experienced gains from 2016 to 2018 in both the number of exams taken and the percentage of AP exam scores of 3 or higher for Statistics, Physics C: Mechanics, and Spanish Language. The number of exams taken and the percentage of AP exam scores of 3 or higher increased for Calculus BC, Biology, Physics 1, Physics C: Mechanics, and Spanish Language for Black or African American students. Among Hispanic/Latino students, the number of exams taken and the percentage of AP exam scores of 3 or higher improved for Statistics, Physics C: Mechanics, and World History.

International Baccalaureate Exam Participation and Performance Trends: MCPS

In addition to AP courses, MCPS offers IB programs at eight high schools. The number of IB exams taken by MCPS students increased from 3,404 in 2016 to 4,127 in 2018 (Table 8). The same upward trend was evidenced among all racial/ethnic groups. The number of IB exams taken by Black or African American and Hispanic/Latino students increased by 332 and 227 tests, respectively. The percentage of IB exams with scores of 4 or higher taken by MCPS students decreased 8.6 percentage points in the last three years. The trend of IB performance for racial/ethnic groups declined as well. Among the racial/ethnic groups, the percentage of IB exams with a score of 4 or higher taken by Hispanic/Latino students noted the greatest decline (16.5 percentage points).

Table 8. Number of International Baccalaureate Exams Taken by MCPS Students and Percentage of International Baccalaureate Exam Scores of 4 or Higher in 2016 and 2018 by Race/Ethnicity

	N IB Exams Taken			% IB Exams 4 or Higher		
	2016	2018	Difference	2016	2018	Difference
All Students	3,404	4,127	723	76.4	67.8	-8.6 ↓
Asian	775	837	62	79.7	77.2	-2.5 ↓
Black or African American	561	883	322	55.3	50.1	-5.2 ↓
Hispanic/Latino	588	815	227	66.8	50.3	-16.5 ↓
White	1,290	1,353	63	87.6	82.7	-4.9 ↓
Two or More Races	190	230	40	79.5	74.8	-4.7 ↓

Note. IB = International Baccalaureate. Results for MCPS American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students but are not reported separately. IB exam results are based on data reported by the International Baccalaureate Organization as of September 2018.

All focus groups realized gains in the number of IB exams from 2016 to 2018; Non-FARMS Black or African American (176), FARMS Black or African American (146), and FARMS Hispanic/Latino (144) had an increase of more than 140 tests (Table 9). Of all focus groups, the percentage of IB exams with scores of 4 or higher declined for all focus groups except FARMS Black or African American students (1.0 percentage point increase).

Table 9. Number of International Baccalaureate Exams Taken by MCPS Students and Percentage of International Baccalaureate Exam Scores of 4 or Higher in 2016 and 2018 by Focus Group

	N IB Exams Taken			% IB Exams 4 or Higher		
	2016	2018	Difference	2016	2018	Difference
Non-FARMS All Other Student Groups	2,081	2,229	148	85.9	82.0	-3.9 ↓
Non-FARMS Black or African American	386	562	176	59.8	52.3	-7.5 ↓
Non-FARMS Hispanic/Latino	403	486	83	73.9	58.8	-15.1 ↓
FARMS All Other Student Groups	174	200	26	64.4	58.5	-5.9 ↓
FARMS Black or African American	175	321	146	45.1	46.1	1.0 ↑
FARMS Hispanic/Latino	185	329	144	51.4	37.7	-13.7 ↓

Note. IB = International Baccalaureate. All Other Student Groups includes American Indian or Alaskan Native, Asian, Native Hawaiian or Other Pacific Islander, White, and Two or More Races students.

The positive trends in AP and IB course enrollment provide evidence of MCPS' continuing efforts to engage students in challenging and college-level contents for all students. The notable increases of participation in AP and IB exams indicate our commitment to close opportunity gaps. The results of AP and IB exam performance reveal that there is more work to do to support students' college readiness.

Detailed information on AP/IB course enrollment and AP/IB exam participation and performance can be accessed on the MCPS Data Dashboards via the following links.

- [AP/IB Course Enrollment](#)
- [AP/IB Exams Taken by High School Students](#)
- [AP Exam Participation and Performance for Test Takers](#)
- [AP Exam by Subject](#)
- [IB Exam Participation and Performance for Test Takers](#)
- [IB Exam by Subject](#)

If you have any questions about AP/IB course enrollment, AP/IB exam participation and performance data, please contact Dr. Kecia L. Addison, supervisor, Applied Research Unit, Office of Shared Accountability, at 240-740-2930.

JRS:JSW:sl

Attachment

Copy to:

Executive Staff
High School Administrative Secretaries
OSSI Directors
OCIP Directors and Supervisors
Dr. Addison
Mrs. Liu
Dr. Stanislaus
Mr. Koutsos
Mr. Lloyd

Approved: _____
Henry R. Johnson, Jr., Chief of Staff

Appendix A

Table A1. Number of Advanced Placement and International Baccalaureate Courses Offered from 2016 to 2018 by High School

High School	Number of AP Courses Offered			Number of IB Courses Offered			Number of AP/IB Courses Offered		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
MCPS	45	50	49	54	61	60	99	111	109
Bethesda-Chevy Chase	24	23	26	37	37	38	61	60	64
Montgomery Blair	28	28	31	0	0	0	28	28	31
James Hubert Blake	27	29	28	0	0	0	27	29	28
Winston Churchill	30	32	32	0	0	0	30	32	32
Clarksburg	23	28	28	0	0	0	23	28	28
Damascus	22	26	30	0	0	0	22	26	30
Albert Einstein	22	20	23	26	28	32	48	48	55
Gaithersburg	24	25	27	0	0	0	24	25	27
Walter Johnson	37	36	38	0	0	0	37	36	38
John F. Kennedy	13	14	11	26	32	37	39	46	48
Col. Zadok Magruder	24	24	25	0	0	0	24	24	25
Richard Montgomery	26	25	29	41	43	43	67	68	72
Northwest	26	26	26	0	0	0	26	26	26
Northwood	20	21	21	0	0	0	20	21	21
Paint Branch	19	19	20	0	0	0	19	19	20
Poolesville	27	28	31	0	0	0	27	28	31
Quince Orchard	30	33	35	0	0	0	30	33	35
Rockville	18	21	20	26	25	25	44	46	45
Seneca Valley	9	11	9	30	33	34	39	44	43
Sherwood	25	28	26	0	0	0	25	28	26
Springbrook	18	20	22	32	34	33	50	54	55
Watkins Mill	11	9	10	32	32	32	43	41	42
Wheaton	19	20	21	0	0	0	19	20	21
Walt Whitman	33	35	36	0	0	0	33	35	36
Thomas S. Wootton	33	33	33	0	0	0	33	33	33

Note. AP = Advanced Placement; IB = International Baccalaureate.

Appendix B

Table B1a. Number of Advanced Placement Exams Taken by MCPS Students and Number and Percentage of Advanced Placement Exam Scores of 3 or Higher in 2017 and 2018 by High School and Race/Ethnicity

High School	All Students						Asian						Black or African American					
	N		N		%		N		N		%		N		N		%	
	AP Exams Taken	2017	2018	Exams 3 or Higher	2017	2018	Exams 3 or Higher	2017	2018	Exams 3 or Higher	2017	2018	AP Exams Taken	2017	2018	Exams 3 or Higher	2017	2018
All Students	36,463	40,404	26,780	28,604	73.4	70.8	9,668	10,911	7,651	8,435	79.1	77.3	4,427	5,060	2,196	2,382	49.6	47.1
Bethesda-Chevy Chase	1,892	2,054	1,522	1,610	80.4	78.4	111	107	91	79	82.0	73.8	136	153	66	79	48.5	51.6
Montgomery Blair	2,177	2,365	1,878	2,056	86.3	86.9	697	836	640	764	91.8	91.4	303	295	184	182	60.7	61.7
James Hubert Blake	1,016	1,051	649	646	63.9	61.5	168	151	101	87	60.1	57.6	290	286	142	138	49.0	48.3
Winston Churchill	2,952	3,489	2,518	2,853	85.3	81.8	1,004	1,277	902	1,079	89.8	84.5	143	147	96	99	67.1	67.3
Clarksburg	1,209	1,472	836	1,018	69.1	69.2	499	575	353	411	70.7	71.5	214	244	117	153	54.7	62.7
Damascus	1,015	1,139	632	710	62.3	62.3	132	172	88	112	66.7	65.1	85	81	43	44	50.6	54.3
Albert Einstein	1,019	1,012	631	616	61.9	60.9	165	168	99	101	60.0	60.1	154	130	71	57	46.1	43.8
Gaithersburg	688	801	404	443	58.7	55.3	108	146	61	70	56.5	47.9	140	168	68	85	48.6	50.6
Walter Johnson	2,501	2,696	2,178	2,292	87.1	85.0	337	354	287	297	85.2	83.9	134	158	94	99	70.1	62.7
John F. Kennedy	376	462	136	164	36.2	35.5	58	61	20	27	34.5	44.3	109	169	30	57	27.5	33.7
Col. Zadok Magruder	779	1,135	547	660	70.2	58.1	228	264	162	177	71.1	67.0	62	140	35	49	56.5	35.0
Richard Montgomery	2,518	2,458	2,011	1,983	79.9	80.7	970	1,017	830	869	85.6	85.4	224	254	151	163	67.4	64.2
Northwest	2,055	2,616	1,273	1,458	61.9	55.7	630	824	434	568	68.9	68.9	332	456	139	134	41.9	29.4
Northwood	834	787	367	407	44.0	51.7	91	90	43	57	47.3	63.3	214	182	60	72	28.0	39.6
Paint Branch	1,081	1,229	636	663	58.8	53.9	298	346	176	194	59.1	56.1	481	586	270	283	56.1	48.3
Poolesville	2,109	2,044	1,850	1,789	87.7	87.5	952	920	861	829	90.4	90.1	88	69	76	59	86.4	85.5
Quince Orchard	2,285	2,343	1,306	1,333	57.2	56.9	409	456	267	292	65.3	64.0	223	196	75	65	33.6	33.2
Rockville	745	902	409	483	54.9	53.5	142	151	70	84	49.3	55.6	78	77	31	44	39.7	57.1
Seneca Valley	146	189	79	115	54.1	60.8	39	45	25	28	64.1	62.2	25	47	11	24	44.0	51.1
Sherwood	1,346	1,616	1,079	1,059	80.2	65.5	225	279	179	181	79.6	64.9	90	116	59	46	65.6	39.7
Springbrook	1,087	1,489	414	529	38.1	35.5	254	355	95	141	37.4	39.7	397	547	116	159	29.2	29.1
Watkins Mill	270	265	92	93	34.1	35.1	47	52	20	19	42.6	36.5	66	62	15	12	22.7	19.4
Wheaton	1,091	1,338	667	770	61.1	57.5	285	344	193	199	67.7	57.8	333	370	165	183	49.5	49.5
Walt Whitman	2,516	2,589	2,218	2,260	88.2	87.3	430	469	389	416	90.5	88.7	44	46	33	37	75.0	80.4
Thomas S. Wootton	2,743	2,847	2,448	2,592	89.2	91.0	1,386	1,451	1,265	1,354	91.3	93.3	62	79	49	59	79.0	74.7

Note. AP = Advanced Placement. Results for American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students, but are not reported separately due to small sample size. AP exam results are based on data reported by the College Board as of September 2018. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥ 95.0 or ≤ 5.0 , respectively, and the number of AP exams and the number of exams with scores of 3 or higher will not be reported (--). Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table B1b. Number of Advanced Placement Exams Taken by MCPS Students and Number and Percentage of Advanced Placement Exam Scores of 3 or Higher in 2017 and 2018 by High School and Race/Ethnicity

High School	Hispanic/Latino						White						Two or More Races					
	N		N		%		N		N		%		N		N		%	
	AP Exams Taken		Exams 3 or Higher		Exams 3 or Higher		AP Exams Taken		Exams 3 or Higher		Exams 3 or Higher		AP Exams Taken		Exams 3 or Higher		Exams 3 or Higher	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
All Students	4,802	5,509	2,811	3042	58.5	55.2	15,635	16,689	12,613	13,049	80.7	78.2	1,883	2,177	1,470	1,666	78.1	76.5
Bethesda-Chevy Chase	192	222	136	148	70.8	66.7	1,318	1,404	1,110	1,175	84.2	83.7	135	165	119	127	88.1	77.0
Montgomery Blair	193	216	138	159	71.5	73.6	833	844	778	801	93.4	94.9	149	171	136	147	91.3	86.0
James Hubert Blake	159	185	93	102	58.5	55.1	320	338	249	247	77.8	73.1	79	91	64	72	81.0	79.1
Winston Churchill	185	238	143	182	77.3	76.5	1,465	1,632	1,240	1,325	84.6	81.2	155	194	137	167	88.4	86.1
Clarksburg	125	186	81	109	64.8	58.6	321	403	251	303	78.2	75.2	50	63	34	41	68.0	65.1
Damascus	136	137	70	74	51.5	54.0	608	671	398	420	65.5	62.6	48	74	27	59	56.3	79.7
Albert Einstein	305	275	148	139	48.5	50.5	357	398	287	293	80.4	73.6	38	41	26	26	68.4	63.4
Gaithersburg	215	242	132	136	61.4	56.2	198	201	124	131	62.6	65.2	27	44	19	21	70.4	47.7
Walter Johnson	318	334	265	260	83.3	77.8	1,522	1,661	1,358	1,465	89.2	88.2	188	189	172	171	91.5	90.5
John F. Kennedy	181	189	72	59	39.8	31.2	--	36	--	19	55.0	52.8	--	--	--	--	--	--
Col. Zadok Magruder	163	267	106	143	65.0	53.6	283	391	219	246	77.4	62.9	43	73	25	45	58.1	61.6
Richard Montgomery	287	270	189	199	65.9	73.7	898	806	730	656	81.3	81.4	131	105	105	93	80.2	88.6
Northwest	255	330	113	137	44.3	41.5	735	886	511	553	69.5	62.4	101	118	76	66	75.2	55.9
Northwood	287	274	109	120	38.0	43.8	217	209	145	139	66.8	66.5	25	32	10	19	40.0	59.4
Paint Branch	121	123	64	61	52.9	49.6	127	120	89	92	70.1	76.7	48	51	33	32	68.8	62.7
Poolesville	135	132	119	107	88.1	81.1	811	803	687	694	84.7	86.4	123	116	107	99	87.0	85.3
Quince Orchard	289	339	124	167	42.9	49.3	1,254	1,222	786	729	62.7	59.7	109	128	53	80	48.6	62.5
Rockville	180	234	70	73	38.9	31.2	302	386	207	244	68.5	63.2	42	43	30	33	71.4	76.7
Seneca Valley	25	38	6	21	24.0	55.3	49	46	32	35	65.3	76.1	--	--	--	--	--	53.8
Sherwood	144	176	115	104	79.9	59.1	832	965	683	670	82.1	69.4	54	77	42	57	77.8	74.0
Springbrook	233	378	88	112	37.8	29.6	148	146	91	85	61.5	58.2	54	63	24	32	44.4	50.8
Watkins Mill	85	93	26	32	30.6	34.4	53	44	28	25	52.8	56.8	--	--	--	--	15.8	35.7
Wheaton	265	332	141	154	53.2	46.4	171	249	139	203	81.3	81.5	35	43	27	31	77.1	72.1
Walt Whitman	205	205	167	163	81.5	79.5	1,711	1,715	1,513	1,512	88.4	88.2	116	147	108	128	93.1	87.1
Thomas S. Wootton	117	93	96	81	82.1	87.1	1,074	1,103	947	985	88.2	89.3	98	113	85	106	86.7	93.8

Note. AP = Advanced Placement. Results for American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students, but are not reported separately due to small sample size. AP exam results are based on data reported by the College Board as of September 2018. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥ 95.0 or ≤ 5.0 , respectively, and the number of AP exams and the number of exams with scores of 3 or higher will not be reported (--). Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table B2a. Number of Students Who Took One or More Advanced Placement Exams and Number and Percentage of Test Takers Who Earned One or More Advanced Placement Exam Scores of 3 or Higher in 2017 and 2018 by High School and Race/Ethnicity

High School	All Students						Asian						Black or African American					
	N		N Scored 3 or Higher		% Scored 3 or Higher		N		N Scored 3 or Higher		% Scored 3 or Higher		N		N Scored 3 or Higher		% Scored 3 or Higher	
	Took AP Exam						Took AP Exam						Took AP Exam					
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
All Students	18,468	20,260	13,894	14,881	75.2	73.5	4,270	4,732	3,469	3,829	81.2	80.9	2,549	2,960	1,365	1,531	53.6	51.7
Bethesda-Chevy Chase	957	1,010	794	860	83.0	85.1	56	49	48	40	85.7	81.6	74	81	44	48	59.5	59.3
Montgomery Blair	940	1,024	817	908	86.9	88.7	239	283	220	260	92.1	91.9	168	166	109	119	64.9	71.7
James Hubert Blake	508	532	362	367	71.3	69.0	73	72	53	50	72.6	69.4	161	165	96	92	59.6	55.8
Winston Churchill	1,356	1,443	1,139	1,252	84.0	86.8	397	476	351	429	88.4	90.1	83	78	55	54	66.3	69.2
Clarksburg	682	773	501	578	73.5	74.8	246	270	190	216	77.2	80.0	120	144	74	95	61.7	66.0
Damascus	537	554	361	363	67.2	65.5	63	68	40	47	63.5	69.1	48	46	29	25	60.4	54.3
Albert Einstein	565	612	390	399	69.0	65.2	83	86	58	61	69.9	70.9	89	90	48	41	53.9	45.6
Gaithersburg	432	482	277	309	64.1	64.1	59	78	36	43	61.0	55.1	95	107	49	59	51.6	55.1
Walter Johnson	1,200	1,299	1,066	1,163	88.8	89.5	147	165	130	153	88.4	92.7	73	83	53	57	72.6	68.7
John F. Kennedy	296	350	119	134	40.2	38.3	41	46	17	18	41.5	39.1	91	125	23	47	25.3	37.6
Col. Zadok Magruder	465	611	336	401	72.3	65.6	112	121	80	90	71.4	74.4	36	75	21	34	58.3	45.3
Richard Montgomery	1,139	1,105	954	913	83.8	82.6	399	397	346	344	86.7	86.6	120	131	92	96	76.7	73.3
Northwest	1,004	1,417	659	797	65.6	56.2	290	403	217	287	74.8	71.2	178	269	83	89	46.6	33.1
Northwood	497	478	253	282	50.9	59.0	52	49	34	34	65.4	69.4	128	112	43	49	33.6	43.8
Paint Branch	553	679	369	432	66.7	63.6	141	168	97	120	68.8	71.4	256	352	161	199	62.9	56.5
Poolesville	834	835	745	732	89.3	87.7	325	331	307	310	94.5	93.7	32	32	28	29	87.5	90.6
Quince Orchard	1,062	1,102	663	703	62.4	63.8	174	192	128	141	73.6	73.4	117	101	42	31	35.9	30.7
Rockville	459	540	277	311	60.3	57.6	82	89	51	54	62.2	60.7	54	50	22	30	40.7	60.0
Seneca Valley	137	184	72	113	52.6	61.4	36	44	23	27	63.9	61.4	23	43	9	23	39.1	53.5
Sherwood	731	884	602	632	82.4	71.5	117	133	96	99	82.1	74.4	56	77	35	32	62.5	41.6
Springbrook	632	760	289	339	45.7	44.6	135	151	67	86	49.6	57.0	242	300	85	104	35.1	34.7
Watkins Mill	240	252	85	86	35.4	34.1	38	49	17	18	44.7	36.7	60	60	14	11	23.3	18.3
Wheaton	613	706	400	434	65.3	61.5	156	173	110	113	70.5	65.3	182	202	101	112	55.5	55.4
Walt Whitman	1,242	1,240	1,127	1,130	90.7	91.1	--	--	--	--	≥95.0	≥95.0	25	25	20	21	80.0	84.0
Thomas S. Wootton	1,376	1,376	1,237	1,241	89.9	90.2	621	634	576	594	92.8	93.7	38	45	29	34	76.3	75.6

Note. AP = Advanced Placement. Results for American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students, but are not reported separately due to small sample size. AP exam results are based on data reported by the College Board as of September 2018. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively, and the number of students who took AP exams and the number of students with at least a score of 3 or higher will not be reported (--). Additionally, results are not reported (--) for groups with fewer than 10 test takers. For groups of between 10 and 20 test takers, only the percentage rate will be reported.

Table B2b. Number of Students Who Took One or More Advanced Placement Exams and Number and Percentage of Test Takers Who Earned One or More Advanced Placement Exam Scores of 3 or Higher in 2017 and 2018 by High School and Race/Ethnicity

High School	Hispanic/Latino						White						Two or More Races					
	N		N Scored 3 or Higher		% Scored 3 or Higher		N		N Scored 3 or Higher		% Scored 3 or Higher		N		N Scored 3 or Higher		% Scored 3 or Higher	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
All Students	2,791	3,200	1,772	1,952	63.5	61.0	7,894	8,290	6,531	6,738	82.7	81.3	943	1,046	739	812	78.4	77.6
Bethesda-Chevy Chase	99	105	73	81	73.7	77.1	659	701	570	630	86.5	89.9	69	72	59	59	85.5	81.9
Montgomery Blair	115	139	93	110	80.9	79.1	--	--	--	--	≥95.0	≥95.0	62	71	56	65	90.3	91.5
James Hubert Blake	82	95	52	67	63.4	70.5	150	156	129	123	86.0	78.8	42	44	32	35	76.2	79.5
Winston Churchill	95	105	76	82	80.0	78.1	714	709	600	616	84.0	86.9	67	74	57	70	85.1	94.6
Clarksburg	90	119	59	72	65.6	60.5	195	203	157	167	80.5	82.3	31	36	21	27	67.7	75.0
Damascus	77	72	44	41	57.1	56.9	322	335	228	226	70.8	67.5	25	30	18	23	72.0	76.7
Albert Einstein	186	175	108	104	58.1	59.4	182	233	158	174	86.8	74.7	25	28	18	19	72.0	67.9
Gaithersburg	147	153	105	106	71.4	69.3	114	117	77	85	67.5	72.6	--	27	--	16	58.8	59.3
Walter Johnson	153	166	131	146	85.6	88.0	742	799	675	727	91.0	91.0	84	86	76	80	90.5	93.0
John F. Kennedy	142	151	69	54	48.6	35.8	--	23	--	13	50.0	56.5	--	--	--	--	--	--
Col. Zadok Magruder	118	158	85	103	72.0	65.2	171	220	133	149	77.8	67.7	28	37	17	25	60.7	67.6
Richard Montgomery	153	136	114	104	74.5	76.5	407	387	353	324	86.7	83.7	57	52	46	44	80.7	84.6
Northwest	133	205	71	88	53.4	42.9	355	469	252	302	71.0	64.4	46	69	36	31	78.3	44.9
Northwood	182	178	85	93	46.7	52.2	118	120	83	92	70.3	76.7	--	--	--	--	47.1	73.7
Paint Branch	63	77	39	49	61.9	63.6	69	57	55	47	79.7	82.5	22	24	15	16	68.2	66.7
Poolesville	49	55	45	46	91.8	83.6	379	367	320	306	84.4	83.4	49	47	45	40	91.8	85.1
Quince Orchard	144	179	76	106	52.8	59.2	575	578	384	389	66.8	67.3	51	51	32	36	62.7	70.6
Rockville	116	149	53	53	45.7	35.6	183	223	132	152	72.1	68.2	23	23	18	19	78.3	82.6
Seneca Valley	25	38	6	21	24.0	55.3	46	46	30	35	65.2	76.1	--	--	--	--	--	53.8
Sherwood	82	104	66	79	80.5	76.0	443	528	378	392	85.3	74.2	32	40	26	29	81.3	72.5
Springbrook	131	204	63	81	48.1	39.7	87	72	55	49	63.2	68.1	36	33	19	19	52.8	57.6
Watkins Mill	79	90	25	30	31.6	33.3	46	41	26	23	56.5	56.1	--	--	--	--	17.6	33.3
Wheaton	168	200	101	106	60.1	53.0	89	109	73	89	82.0	81.7	--	22	--	14	82.4	63.6
Walt Whitman	98	91	84	83	85.7	91.2	871	850	785	768	90.1	90.4	--	67	--	61	≥95.0	91.0
Thomas S. Wootton	62	55	49	47	79.0	85.5	601	576	533	506	88.7	87.8	52	63	48	57	92.3	90.5

Note. AP = Advanced Placement. Results for American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students, but are not reported separately due to small sample size. AP exam results are based on data reported by the College Board as of September 2018. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively, and the number of students who took AP exams and the number of students with at least a score of 3 or higher will not be reported (--). Additionally, results are not reported (--) for groups with fewer than 10 test takers. For groups of between 10 and 20 test takers, only the percentage rate will be reported.

Table B3. Number of Students Who Took One or More Advanced Placement Exams and Number and Percentage of Test Takers Who Earned One or More Advanced Placement Exam Scores of 3 or Higher in 2017 and 2018 by High School and Gender

High School	Male						Female					
	N Took AP Exam		N Scored 3 or Higher		% Scored 3 or Higher		N Took AP Exam		N Scored 3 or Higher		% Scored 3 or Higher	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
All Students	8,423	9,243	6,453	6,911	76.6	74.8	10,045	11,017	7,441	7,970	74.1	72.3
Bethesda-Chevy Chase	449	476	383	407	85.3	85.5	508	534	411	453	80.9	84.8
Montgomery Blair	435	466	384	430	88.3	92.3	505	558	433	478	85.7	85.7
James Hubert Blake	175	179	125	131	71.4	73.2	333	353	237	236	71.2	66.9
Winston Churchill	689	747	576	638	83.6	85.4	667	696	563	614	84.4	88.2
Clarksburg	243	282	176	218	72.4	77.3	439	491	325	360	74.0	73.3
Damascus	219	236	149	164	68.0	69.5	318	318	212	199	66.7	62.6
Albert Einstein	197	225	141	146	71.6	64.9	368	387	249	253	67.7	65.4
Gaithersburg	168	191	114	124	67.9	64.9	264	291	163	185	61.7	63.6
Walter Johnson	583	607	518	543	88.9	89.5	617	692	548	620	88.8	89.6
John F. Kennedy	118	113	52	40	44.1	35.4	178	237	67	94	37.6	39.7
Col. Zadok Magruder	214	290	164	191	76.6	65.9	251	321	172	210	68.5	65.4
Richard Montgomery	494	479	410	399	83.0	83.3	645	626	544	514	84.3	82.1
Northwest	428	644	284	345	66.4	53.6	576	773	375	452	65.1	58.5
Northwood	188	159	91	100	48.4	62.9	309	319	162	182	52.4	57.1
Paint Branch	232	286	164	188	70.7	65.7	321	393	205	244	63.9	62.1
Poolesville	432	419	387	378	89.6	90.2	402	416	358	354	89.1	85.1
Quince Orchard	498	496	305	307	61.2	61.9	564	606	358	396	63.5	65.3
Rockville	232	261	151	164	65.1	62.8	227	279	126	147	55.5	52.7
Seneca Valley	59	81	35	52	59.3	64.2	78	103	37	61	47.4	59.2
Sherwood	326	391	264	281	81.0	71.9	405	493	338	351	83.5	71.2
Springbrook	330	419	164	202	49.7	48.2	302	341	125	137	41.4	40.2
Watkins Mill	113	114	47	40	41.6	35.1	127	138	38	46	29.9	33.3
Wheaton	338	399	220	253	65.1	63.4	275	307	180	181	65.5	59.0
Walt Whitman	603	616	559	572	92.7	92.9	639	624	568	558	88.9	89.4
Thomas S. Wootton	653	659	590	597	90.4	90.6	723	717	647	644	89.5	89.8

Note. AP = Advanced Placement. AP exam results are based on data reported by the College Board as of September 2018.

Table B4. Number of Students Who Took One or More Advanced Placement Exams and Number and Percentage of Test Takers Who Earned One or More Advanced Placement Exam Scores of 3 or Higher in 2017 and 2018 by High School and Service Group

	FARMS						Special Education						LEP					
	N		N Scored 3 or Higher		% Scored 3 or Higher		N		N Scored 3 or Higher		% Scored 3 or Higher		N		N Scored 3 or Higher		% Scored 3 or Higher	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
High School	2,713	3,105	1,441	1,594	53.1	51.3	411	450	248	269	60.3	59.8	547	636	386	429	70.6	67.5
All Students	2,713	3,105	1,441	1,594	53.1	51.3	411	450	248	269	60.3	59.8	547	636	386	429	70.6	67.5
Bethesda-Chevy Chase	42	38	20	17	47.6	44.7	29	36	17	25	58.6	69.4	--	--	--	--	58.3	57.1
Montgomery Blair	171	178	111	131	64.9	73.6	--	25	--	23	81.3	92.0	27	28	17	22	63.0	78.6
James Hubert Blake	123	126	71	67	57.7	53.2	--	--	--	--	40.0	--	--	--	--	--	50.0	--
Winston Churchill	30	33	18	20	60.0	60.6	43	40	31	28	72.1	70.0	--	24	--	18	50.0	75.0
Clarksburg	93	104	66	63	71.0	60.6	--	--	--	--	--	--	--	--	--	--	91.7	66.7
Damascus	51	53	26	21	51.0	39.6	--	--	--	--	40.0	--	--	--	--	--	--	--
Albert Einstein	182	185	98	104	53.8	56.2	--	--	--	--	50.0	57.1	32	29	21	27	65.6	93.1
Gaithersburg	155	148	98	92	63.2	62.2	--	--	--	--	--	--	54	50	42	37	77.8	74.0
Walter Johnson	40	60	30	52	75.0	86.7	45	45	39	37	86.7	82.2	31	32	23	23	74.2	71.9
John F. Kennedy	144	157	65	58	45.1	36.9	--	--	--	--	--	--	39	43	29	24	74.4	55.8
Col. Zadok Magruder	93	144	57	88	61.3	61.1	--	--	--	--	--	33.3	26	29	22	22	84.6	75.9
Richard Montgomery	129	118	91	89	70.5	75.4	21	--	16	--	76.2	60.0	41	30	34	21	82.9	70.0
Northwest	150	208	75	81	50.0	38.9	--	34	--	7	45.0	20.6	--	--	--	--	--	18.8
Northwood	194	185	77	95	39.7	51.4	--	--	--	--	30.8	57.1	42	51	22	36	52.4	70.6
Paint Branch	128	187	78	105	60.9	56.1	--	--	--	--	--	--	--	--	--	--	50.0	--
Poolesville	31	37	24	27	77.4	73.0	--	--	--	--	70.6	93.8	--	--	--	--	--	--
Quince Orchard	182	184	81	83	44.5	45.1	30	31	10	10	33.3	32.3	32	40	27	30	84.4	75.0
Rockville	110	114	47	41	42.7	36.0	--	24	--	9	47.4	37.5	--	22	--	5	53.8	22.7
Seneca Valley	29	40	14	22	48.3	55.0	--	--	--	--	--	--	--	--	--	--	--	--
Sherwood	38	67	30	36	78.9	53.7	--	--	--	--	--	20.0	--	35	--	24	75.0	68.6
Springbrook	213	318	76	113	35.7	35.5	--	--	--	--	--	21.4	--	44	--	19	46.7	43.2
Watkins Mill	106	99	33	25	31.1	25.3	--	--	--	--	--	--	--	--	--	--	60.0	66.7
Wheaton	231	272	121	123	52.4	45.2	--	--	--	--	50.0	84.6	31	31	20	19	64.5	61.3
Walt Whitman	--	--	--	--	--	--	41	37	31	32	75.6	86.5	38	--	31	--	81.6	≥95.0
Thomas S. Wootton	39	40	28	33	71.8	82.5	--	--	--	--	47.4	71.4	--	29	--	22	89.5	75.9

Note. AP = Advanced Placement. FARMS = Free and Reduced-price Meals System; ESOL = English for Speakers of Other Languages. AP exam results are based on data reported by the College Board as of September 2018. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively, and the number of students who took AP exams and the number of students with at least a score of 3 or higher will not be reported (--). Additionally, results are not reported (-) for groups with fewer than 10 test takers. For groups of between 10 and 20 test takers, only the percentage rate will be reported.

Table B5. Number and Percentage of MCPS Students Who Took Advanced Placement Exams by Number of Advanced Placement Exams Taken, Race/Ethnicity and Advanced Placement Exam Year

Student Group	AP Exam Year	N Took Any AP Exams	AP Exam(s)									
			N Took One	N Took Two	N Took Three	N Took Four	N Took Five or More	% Took One	% Took Two	% Took Three	% Took Four	% Took Five or More
All Students	2017	18,468	8,967	4,269	2,922	1,589	--	48.6	23.1	15.8	8.6	≤5.0
	2018	20,260	9,759	4,701	3,182	1,694	--	48.2	23.2	15.7	8.4	≤5.0
Asian	2017	4,270	1,735	964	731	508	332	40.6	22.6	17.1	11.9	7.8
	2018	4,732	1,819	1,138	834	547	394	38.4	24.0	17.6	11.6	8.3
Black or African American	2017	2,549	1,408	630	336	133	--	55.2	24.7	13.2	5.2	≤5.0
	2018	2,960	1,675	736	347	149	--	56.6	24.9	11.7	5.0	≤5.0
Hispanic/Latino	2017	2,791	1,563	693	344	146	--	56.0	24.8	12.3	5.2	≤5.0
	2018	3,200	1,870	698	380	179	--	58.4	21.8	11.9	5.6	≤5.0
White	2017	7,894	3,798	1,780	1,330	720	--	48.1	22.5	16.8	9.1	≤5.0
	2018	8,290	3,902	1,868	1,466	707	--	47.1	22.5	17.7	8.5	≤5.0
Two or More Races	2017	943	456	197	175	80	--	48.4	20.9	18.6	8.5	≤5.0
	2018	1,046	475	252	154	111	54	45.4	24.1	14.7	10.6	5.2

Note. AP = Advanced Placement. Results for American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students, but are not reported separately due to small sample size. AP exam results are based on data reported by the College Board as of September 2018. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥ 95.0 or ≤ 5.0 , respectively, and the number of students who took AP exams and the number of students with at least a score of 3 or higher will not be reported (--). Additionally, results are not reported (--) for groups with fewer than 10 test takers. For groups of between 10 and 20 test takers, only the percentage rate will be reported.

Table B6. Number and Percentage of MCPS Students Who Took Advanced Placement Exams in 2018 by Number of Advanced Placement Exams Taken by High School

High School	N Took Any AP Exams	AP Exam(s)									
		N Took One	N Took Two	N Took Three	N Took Four	N Took Five or More	% Took One	% Took Two	% Took Three	% Took Four	% Took Five or More
All Students	20,260	9,759	4,701	3,182	1,694	--	48.2	23.2	15.7	8.4	≤5.0
Bethesda-Chevy Chase	1,010	513	182	160	96	59	50.8	18.0	15.8	9.5	5.8
Montgomery Blair	1,024	363	319	149	94	99	35.4	31.2	14.6	9.2	9.7
James Hubert Blake	532	263	112	89	47	--	49.4	21.1	16.7	8.8	≤5.0
Winston Churchill	1,443	435	426	305	153	124	30.1	29.5	21.1	10.6	8.6
Clarksburg	773	395	171	126	55	--	51.1	22.1	16.3	7.1	≤5.0
Damascus	554	256	124	94	51	29	46.2	22.4	17.0	9.2	5.2
Albert Einstein	612	367	135	72	32	--	60.0	22.1	11.8	5.2	≤5.0
Gaithersburg	482	276	120	64	--	--	57.3	24.9	13.3	≤5.0	≤5.0
Walter Johnson	1,299	576	305	232	132	--	44.3	23.5	17.9	10.2	≤5.0
John F. Kennedy	350	257	77	--	--	--	73.4	22.0	≤5.0	≤5.0	≤5.0
Col. Zadok Magruder	611	322	137	91	43	--	52.7	22.4	14.9	7.0	≤5.0
Richard Montgomery	1,105	455	262	193	112	83	41.2	23.7	17.5	10.1	7.5
Northwest	1,417	782	247	248	108	--	55.2	17.4	17.5	7.6	≤5.0
Northwood	478	266	132	64	--	--	55.6	27.6	13.4	≤5.0	≤5.0
Paint Branch	679	362	144	122	45	--	53.3	21.2	18.0	6.6	≤5.0
Poolesville	835	320	170	133	112	100	38.3	20.4	15.9	13.4	12.0
Quince Orchard	1,102	536	199	161	130	76	48.6	18.1	14.6	11.8	6.9
Rockville	540	334	100	68	--	--	61.9	18.5	12.6	≤5.0	≤5.0
Seneca Valley	184	--	--	--	--	--	≥95.0	≤5.0	≤5.0	≤5.0	≤5.0
Sherwood	884	426	277	110	53	--	48.2	31.3	12.4	6.0	≤5.0
Springbrook	760	367	183	116	65	--	48.3	24.1	15.3	8.6	≤5.0
Watkins Mill	252	239	13	--	--	--	94.8	5.2	≤5.0	≤5.0	≤5.0
Wheaton	706	343	192	95	61	--	48.6	27.2	13.5	8.6	≤5.0
Walt Whitman	1,240	558	252	255	124	--	45.0	20.3	20.6	10.0	≤5.0
Thomas S. Wootton	1,376	560	415	221	117	--	40.7	30.2	16.1	8.5	≤5.0

Note. AP = Advanced Placement. AP exam results are based on data reported by the College Board as of September 2018. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively, and the number of students who took AP exams and the number of students with at least a score of 3 or higher will not be reported (--). Additionally, results are not reported (--) for groups with fewer than 10 test takers. For groups of between 10 and 20 test takers, only the percentage rate will be reported.

Appendix C

Table C1. 2018 Advanced Placement Exam Results for MCPS: Number of Exams Taken and Percentage of Exam Scores of 1, 2, 3, 4, and 5 for the 20 Most Frequently Taken Advanced Placement Exams by Subject Area

AP Exam by Subject Area	N Exams	% of Exam Scores 1, 2, 3, 4, or 5				
		1	2	3	4	5
English						
English Language & Composition	4,623	10.7	25.5	27.2	19.9	16.7
English Literature & Composition	2,498	9.5	--	28.1	21.5	10.6
Mathematics						
Calculus AB	1,826	14.5	23.2	20.3	19.2	22.8
Calculus BC	1,503	≤5.0	10.5	19.6	19.3	48.2
Statistics	1,766	13.5	13.2	23.8	25.6	23.8
Science						
Biology	1,517	≤5.0	21.0	31.6	31.1	13.7
Chemistry	1,099	7.2	--	25.3	25.0	25.4
Environmental Science	1,146	12.4	23.1	14.8	35.4	14.2
Physics 1	1,079	33.2	34.8	16.9	12.2	≤5.0
Physics C: Mechanics	680	8.7	--	18.4	27.9	33.5
Social Studies						
Macroeconomics	828	14.0	17.1	13.9	24.5	30.4
Microeconomics	935	11.1	11.3	21.2	28.6	27.8
U.S. Government & Politics	6,106	11.9	19.2	26.8	18.3	23.8
U.S. History	2,029	12.6	20.1	25.0	24.4	17.9
World History	3,189	7.2	--	26.9	27.4	16.6
Human Geography	657	15.7	12.0	20.1	27.9	24.4
Psychology	3,086	15.5	11.8	16.1	29.3	27.4
Technology						
Computer Science A	756	16.5	8.7	--	22.8	34.4
Computer Science Principles	1,057	≤5.0	15.0	35.8	25.6	18.6
Foreign Language						
Spanish Language	1,277	≤5.0	≤5.0	23.0	39.2	32.7

Note. AP = Advanced Placement. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively.

Table C2. 2018 Advanced Placement Exam Results for MCPS: Number of Exams Taken and Number and Percentage of Exam Scores of 3 or Higher for the 20 Most Frequently Taken Advanced Placement Exams by Subject Area and Race/Ethnicity

AP Exam by Subject Area	All Students			Asian			Black or African American			Hispanic/Latino			White			Two or More Races		
	N Exams Taken	N Exams 3+	% Exams 3+	N Exams Taken	N Exams 3+	% Exams 3+	N Exams Taken	N Exams 3+	% Exams 3+	N Exams Taken	N Exams 3+	% Exams 3+	N Exams Taken	N Exams 3+	% Exams 3+	N Exams Taken	N Exams 3+	% Exams 3+
English																		
English Language & Composition	4,623	2,947	63.7	1,066	775	72.7	705	269	38.2	699	258	36.9	1,920	1,471	76.6	226	171	75.7
English Literature & Composition	2,498	1,502	60.1	609	417	68.5	281	93	33.1	306	125	40.8	1,157	768	66.4	142	97	68.3
Mathematics																		
Calculus AB	1,826	1,138	62.3	467	308	66.0	250	89	35.6	211	86	40.8	797	583	73.1	98	70	71.4
Calculus BC	1,503	1,308	87.0	671	593	88.4	121	83	68.6	93	64	68.8	526	489	93.0	90	77	85.6
Statistics	1,766	1,294	73.3	559	471	84.3	173	72	41.6	200	97	48.5	731	571	78.1	102	82	80.4
Science																		
Biology	1,517	1,160	76.5	533	428	80.3	253	130	51.4	159	96	60.4	494	442	89.5	78	64	82.1
Chemistry	1,099	832	75.7	464	386	83.2	103	40	38.8	87	42	48.3	387	318	82.2	58	46	79.3
Environmental Science	1,146	739	64.5	193	130	67.4	115	34	29.6	131	67	51.1	633	457	72.2	72	51	70.8
Physics I	1,079	346	32.1	333	102	30.6	147	22	15.0	109	--	17.4	433	173	40.0	56	30	53.6
Physics C: Mechanics	680	543	79.9	291	243	83.5	53	26	49.1	50	35	70.0	245	205	83.7	38	34	89.5
Social Studies																		
Macroeconomics	828	570	68.8	241	196	81.3	62	--	30.6	82	41	50.0	394	277	70.3	47	35	74.5
Microeconomics	935	725	77.5	250	215	86.0	67	32	47.8	95	61	64.2	470	374	79.6	51	41	80.4
U.S. Government & Politics	6,106	4,208	68.9	1,432	1,079	75.3	887	439	49.5	813	392	48.2	2,615	2,051	78.4	346	240	69.4
U.S. History	2,029	1,366	67.3	592	436	73.6	263	135	51.3	250	112	44.8	820	608	74.1	101	74	73.3
World History	3,189	2,261	70.9	723	546	75.5	522	273	52.3	474	261	55.1	1,302	1,052	80.8	165	128	77.6
Human Geography	657	475	72.3	117	86	73.5	97	47	48.5	107	57	53.3	299	258	86.3	35	26	74.3
Psychology	3,086	2,245	72.7	704	559	79.4	465	249	53.5	461	240	52.1	1,306	1,078	82.5	147	117	79.6
Technology																		
Computer Science A	756	565	74.7	355	292	82.3	76	33	43.4	52	25	48.1	235	182	77.4	37	32	86.5
Computer Science Principles	1,057	846	80.0	376	325	86.4	128	84	65.6	108	59	54.6	367	312	85.0	75	64	85.3
Foreign Language																		
Spanish Language	1,277	1,212	94.9	188	177	94.1	62	52	83.9	--	--	≥95.0	--	--	≥95.0	--	--	≥95.0

Note. AP = Advanced Placement. Results for American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students but are not reported separately. AP exam results are based on data reported by the College Board as of September 2018. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively, and the number of AP exams and the number of exams with scores of 3 or higher will not be reported (--). Additionally, results are not reported (-) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C3. 2018 MCPS Advanced Placement **English Language and Composition**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	4,623	10.7	25.5	27.2	19.9	16.7	63.7	3.1
Bethesda-Chevy Chase	237	6.3	23.2	31.6	24.9	13.9	70.5	3.2
Montgomery Blair	260	≤5.0	10.4	18.5	29.2	40.4	88.1	4.0
James Hubert Blake	105	≤5.0	39.0	28.6	19.0	8.6	56.2	2.9
Winston Churchill	344	≤5.0	15.4	36.3	24.7	20.9	82.0	3.5
Clarksburg	157	≤5.0	26.1	36.3	25.5	10.2	72.0	3.2
Damascus	166	9.0	42.2	31.3	12.7	≤5.0	48.8	2.6
Albert Einstein	98	8.2	28.6	34.7	15.3	13.3	63.3	3.0
Gaithersburg	146	13.0	49.3	29.5	7.5	≤5.0	37.7	2.3
Walter Johnson	317	≤5.0	17.7	33.8	27.8	19.6	81.1	3.5
John F. Kennedy	37	35.1	43.2	10.8	10.8	≤5.0	21.6	2.0
Col. Zadok Magruder	131	6.9	38.9	28.2	17.6	8.4	54.2	2.8
Richard Montgomery	168	7.1	28.6	31.5	19.6	13.1	64.3	3.0
Northwest	455	21.1	36.3	25.9	11.2	5.5	42.6	2.4
Northwood	195	14.4	40.5	25.1	14.9	5.1	45.1	2.6
Paint Branch	96	7.3	36.5	38.5	13.5	≤5.0	56.3	2.7
Poolesville	176	≤5.0	≤5.0	17.0	35.2	43.2	≥95.0	4.2
Quince Orchard	346	26.3	35.8	21.1	12.1	≤5.0	37.9	2.3
Rockville	168	35.7	26.2	22.0	8.3	7.7	38.1	2.3
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	160	≤5.0	19.4	33.8	25.0	21.9	80.6	3.5
Springbrook	199	41.7	31.7	19.6	5.5	≤5.0	26.6	1.9
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	112	8.9	26.8	27.7	25.9	10.7	64.3	3.0
Walt Whitman	214	≤5.0	≤5.0	21.5	29.4	45.3	≥95.0	4.2
Thomas S. Wootton	331	≤5.0	10.3	23.6	26.6	39.0	89.1	3.9

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C4. 2018 MCPS Advanced Placement **English Literature and Composition**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	2,498	9.5	30.3	28.1	21.5	10.6	60.1	2.9
Bethesda-Chevy Chase	142	9.2	29.6	33.8	23.9	≤5.0	61.3	2.8
Montgomery Blair	47	≤5.0	17.0	19.1	27.7	31.9	78.7	3.7
James Hubert Blake	64	10.9	23.4	35.9	25.0	≤5.0	65.6	2.9
Winston Churchill	231	≤5.0	22.1	34.6	26.8	12.1	73.6	3.2
Clarksburg	74	5.4	37.8	29.7	20.3	6.8	56.8	2.9
Damascus	89	≤5.0	41.6	33.7	18.0	≤5.0	53.9	2.7
Albert Einstein	110	11.8	41.8	29.1	13.6	≤5.0	46.4	2.6
Gaithersburg	52	7.7	36.5	30.8	19.2	5.8	55.8	2.8
Walter Johnson	159	≤5.0	16.4	30.8	32.7	17.0	80.5	3.4
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	116	5.2	50.0	30.2	11.2	≤5.0	44.8	2.6
Richard Montgomery	184	≤5.0	17.9	19.0	30.4	31.5	81.0	3.7
Northwest	231	14.3	39.4	32.0	12.1	≤5.0	46.3	2.5
Northwood	--	--	--	--	--	--	--	--
Paint Branch	41	9.8	48.8	26.8	9.8	≤5.0	41.5	2.5
Poolesville	119	≤5.0	21.8	22.7	39.5	15.1	77.3	3.5
Quince Orchard	285	28.1	45.6	17.9	5.3	≤5.0	26.3	2.1
Rockville	61	21.3	45.9	19.7	8.2	≤5.0	32.8	2.3
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	99	≤5.0	18.2	37.4	32.3	11.1	80.8	3.3
Springbrook	62	40.3	33.9	19.4	≤5.0	≤5.0	25.8	1.9
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	42	11.9	40.5	23.8	23.8	≤5.0	47.6	2.6
Walt Whitman	130	≤5.0	13.1	28.5	30.8	27.7	86.9	3.7
Thomas S. Wootton	150	≤5.0	14.0	33.3	33.3	17.3	84.0	3.5

Note. Sum of percentages calculated from unrounded values may vary by ± 0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥ 95.0 or ≤ 5.0 , respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C5. 2018 MCPS Advanced Placement **Calculus AB**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,826	14.5	23.2	20.3	19.2	22.8	62.3	3.1
Bethesda-Chevy Chase	95	11.6	28.4	33.7	21.1	5.3	60.0	2.8
Montgomery Blair	66	12.1	15.2	21.2	36.4	15.2	72.7	3.3
James Hubert Blake	52	42.3	50.0	7.7	≤5.0	≤5.0	7.7	1.7
Winston Churchill	102	6.9	24.5	31.4	25.5	11.8	68.6	3.1
Clarksburg	83	12.0	24.1	24.1	18.1	21.7	63.9	3.1
Damascus	32	≤5.0	31.3	25.0	28.1	15.6	68.8	3.3
Albert Einstein	49	18.4	24.5	28.6	14.3	14.3	57.1	2.8
Gaithersburg	42	38.1	40.5	14.3	≤5.0	≤5.0	21.4	1.9
Walter Johnson	149	≤5.0	10.7	22.1	32.9	33.6	88.6	3.9
John F. Kennedy	15	33.3	26.7	20.0	20.0	≤5.0	40.0	2.3
Col. Zadok Magruder	45	6.7	28.9	40.0	15.6	8.9	64.4	2.9
Richard Montgomery	76	6.6	15.8	31.6	32.9	13.2	77.6	3.3
Northwest	104	≤5.0	14.4	26.0	28.8	26.9	81.7	3.6
Northwood	13	61.5	23.1	7.7	7.7	≤5.0	15.4	1.6
Paint Branch	68	41.2	35.3	16.2	5.9	≤5.0	23.5	1.9
Poolesville	67	≤5.0	10.4	10.4	20.9	56.7	88.1	4.2
Quince Orchard	76	≤5.0	≤5.0	9.2	19.7	69.7	≥95.0	4.6
Rockville	82	25.6	28.0	25.6	13.4	7.3	46.3	2.5
Seneca Valley	14	≤5.0	≤5.0	21.4	28.6	50.0	≥95.0	4.3
Sherwood	87	19.5	50.6	16.1	10.3	≤5.0	29.9	2.3
Springbrook	97	41.2	40.2	12.4	5.2	≤5.0	18.6	1.8
Watkins Mill	28	85.7	14.3	≤5.0	≤5.0	≤5.0	≤5.0	1.1
Wheaton	97	19.6	44.3	22.7	8.2	5.2	36.1	2.4
Walt Whitman	138	≤5.0	19.6	22.5	23.2	31.2	76.8	3.6
Thomas S. Wootton	149	≤5.0	≤5.0	≤5.0	20.8	73.2	≥95.0	4.7

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C6 2018 MCPS Advanced Placement **Calculus BC**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,503	≤5.0	10.5	19.6	19.3	48.2	87.0	4.0
Bethesda-Chevy Chase	66	≤5.0	12.1	19.7	19.7	48.5	87.9	4.0
Montgomery Blair	123	≤5.0	≤5.0	12.2	12.2	70.7	≥95.0	4.5
James Hubert Blake	35	11.4	25.7	34.3	17.1	11.4	62.9	2.9
Winston Churchill	129	≤5.0	7.0	10.9	22.5	58.9	92.2	4.3
Clarksburg	43	≤5.0	7.0	25.6	27.9	39.5	93.0	4.0
Damascus	36	≤5.0	8.3	30.6	30.6	30.6	91.7	3.8
Albert Einstein	23	17.4	26.1	26.1	21.7	8.7	56.5	2.8
Gaithersburg	23	13.0	26.1	30.4	21.7	8.7	60.9	2.9
Walter Johnson	47	≤5.0	≤5.0	12.8	19.1	66.0	≥95.0	4.5
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	34	≤5.0	26.5	35.3	20.6	14.7	70.6	3.2
Richard Montgomery	158	≤5.0	7.6	20.3	16.5	54.4	91.1	4.2
Northwest	99	≤5.0	≤5.0	8.1	17.2	71.7	≥95.0	4.6
Northwood	21	33.3	42.9	9.5	9.5	≤5.0	23.8	2.1
Paint Branch	47	≤5.0	29.8	44.7	14.9	10.6	70.2	3.1
Poolesville	140	≤5.0	5.7	15.7	28.6	49.3	93.6	4.2
Quince Orchard	59	≤5.0	≤5.0	13.6	30.5	55.9	≥95.0	4.4
Rockville	30	≤5.0	20.0	33.3	23.3	23.3	80.0	3.5
Seneca Valley	11	≤5.0	27.3	36.4	18.2	18.2	72.7	3.3
Sherwood	44	≤5.0	11.4	34.1	20.5	31.8	86.4	3.7
Springbrook	38	23.7	34.2	23.7	15.8	≤5.0	42.1	2.4
Watkins Mill	16	≤5.0	43.8	18.8	12.5	25.0	56.3	3.2
Wheaton	54	≤5.0	24.1	31.5	14.8	25.9	72.2	3.4
Walt Whitman	90	≤5.0	≤5.0	17.8	17.8	58.9	94.4	4.3
Thomas S. Wootton	137	≤5.0	≤5.0	14.6	13.1	70.8	≥95.0	4.5

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C7. 2018 MCPS Advanced Placement **Statistics:**
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,766	13.5	13.2	23.8	25.6	23.8	73.3	3.3
Bethesda-Chevy Chase	113	10.6	15.9	36.3	27.4	9.7	73.5	3.1
Montgomery Blair	167	≤5.0	≤5.0	11.4	29.3	49.7	90.4	4.1
James Hubert Blake	60	28.3	30.0	21.7	15.0	≤5.0	41.7	2.4
Winston Churchill	116	6.9	8.6	20.7	34.5	29.3	84.5	3.7
Clarksburg	32	34.4	15.6	25.0	9.4	15.6	50.0	2.6
Damascus	54	22.2	16.7	38.9	18.5	≤5.0	61.1	2.6
Albert Einstein	62	8.1	16.1	29.0	30.6	16.1	75.8	3.3
Gaithersburg	34	35.3	23.5	29.4	11.8	≤5.0	41.2	2.2
Walter Johnson	132	≤5.0	5.3	25.8	31.1	34.8	91.7	3.9
John F. Kennedy	30	36.7	23.3	23.3	16.7	≤5.0	40.0	2.2
Col. Zadok Magruder	47	19.1	31.9	29.8	17.0	≤5.0	48.9	2.5
Richard Montgomery	181	6.1	9.9	19.3	22.1	42.5	84.0	3.9
Northwest	91	19.8	11.0	31.9	27.5	9.9	69.2	3.0
Northwood	41	53.7	24.4	14.6	≤5.0	≤5.0	22.0	1.8
Paint Branch	63	19.0	20.6	38.1	17.5	≤5.0	60.3	2.7
Poolesville	101	≤5.0	≤5.0	13.9	34.7	47.5	≥95.0	4.3
Quince Orchard	77	10.4	9.1	29.9	28.6	22.1	80.5	3.4
Rockville	18	≤5.0	16.7	27.8	11.1	44.4	83.3	3.8
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	38	10.5	28.9	31.6	21.1	7.9	60.5	2.9
Springbrook	44	68.2	15.9	11.4	≤5.0	≤5.0	15.9	1.5
Watkins Mill	11	27.3	9.1	18.2	36.4	9.1	63.6	2.9
Wheaton	53	20.8	26.4	32.1	13.2	7.5	52.8	2.6
Walt Whitman	130	8.5	13.1	26.2	34.6	17.7	78.5	3.4
Thomas S. Wootton	71	≤5.0	≤5.0	8.5	42.3	45.1	≥95.0	4.3

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C8. 2018 MCPS Advanced Placement **Biology**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,517	≤5.0	21.0	31.6	31.1	13.7	76.5	3.3
Bethesda-Chevy Chase	51	≤5.0	5.9	23.5	47.1	21.6	92.2	3.8
Montgomery Blair	158	≤5.0	18.4	31.6	30.4	17.1	79.1	3.4
James Hubert Blake	55	≤5.0	32.7	36.4	23.6	≤5.0	63.6	2.9
Winston Churchill	99	≤5.0	6.1	22.2	39.4	29.3	90.9	3.9
Clarksburg	116	≤5.0	22.4	38.8	26.7	11.2	76.7	3.3
Damascus	46	≤5.0	26.1	41.3	28.3	≤5.0	73.9	3.1
Albert Einstein	24	8.3	41.7	33.3	12.5	≤5.0	50.0	2.6
Gaithersburg	65	≤5.0	29.2	44.6	23.1	≤5.0	70.8	3.0
Walter Johnson	71	≤5.0	≤5.0	16.9	39.4	40.8	≥95.0	4.2
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	51	≤5.0	37.3	45.1	11.8	≤5.0	60.8	2.8
Richard Montgomery	39	≤5.0	12.8	17.9	35.9	33.3	87.2	3.9
Northwest	103	≤5.0	21.4	31.1	34.0	10.7	75.7	3.3
Northwood	34	≤5.0	35.3	52.9	8.8	≤5.0	61.8	2.7
Paint Branch	119	≤5.0	38.7	38.7	18.5	≤5.0	57.1	2.7
Poolesville	58	≤5.0	≤5.0	15.5	53.4	29.3	≥95.0	4.1
Quince Orchard	52	7.7	25.0	44.2	21.2	≤5.0	67.3	2.8
Rockville	18	≤5.0	50.0	38.9	11.1	≤5.0	50.0	2.6
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	116	≤5.0	26.7	34.5	28.4	7.8	70.7	3.1
Springbrook	34	26.5	38.2	23.5	11.8	≤5.0	35.3	2.2
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	51	≤5.0	27.5	31.4	31.4	9.8	72.5	3.2
Walt Whitman	73	≤5.0	5.5	23.3	50.7	20.5	94.5	3.9
Thomas S. Wootton	84	≤5.0	≤5.0	20.2	52.4	22.6	≥95.0	3.9

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C9. 2018 MCPS Advanced Placement **Chemistry**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,099	7.2	17.1	25.3	25.0	25.4	75.7	3.4
Bethesda-Chevy Chase	41	≤5.0	9.8	14.6	29.3	43.9	87.8	4.0
Montgomery Blair	68	≤5.0	5.9	25.0	33.8	32.4	91.2	3.9
James Hubert Blake	35	8.6	31.4	48.6	8.6	≤5.0	60.0	2.7
Winston Churchill	112	≤5.0	≤5.0	12.5	25.0	58.9	≥95.0	4.4
Clarksburg	61	8.2	19.7	31.1	27.9	13.1	72.1	3.2
Damascus	42	7.1	31.0	31.0	19.0	11.9	61.9	3.0
Albert Einstein	--	--	--	--	--	--	--	--
Gaithersburg	15	20.0	20.0	40.0	13.3	6.7	60.0	2.7
Walter Johnson	46	≤5.0	23.9	28.3	34.8	13.0	76.1	3.4
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	24	16.7	20.8	20.8	37.5	≤5.0	62.5	2.9
Richard Montgomery	24	≤5.0	≤5.0	16.7	29.2	50.0	≥95.0	4.3
Northwest	66	7.6	19.7	27.3	28.8	16.7	72.7	3.3
Northwood	20	20.0	45.0	20.0	10.0	≤5.0	35.0	2.4
Paint Branch	56	16.1	42.9	26.8	10.7	≤5.0	41.1	2.4
Poolesville	29	≤5.0	≤5.0	24.1	20.7	51.7	≥95.0	4.2
Quince Orchard	17	23.5	47.1	17.6	11.8	≤5.0	29.4	2.2
Rockville	--	--	--	--	--	--	--	--
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	30	6.7	53.3	13.3	13.3	13.3	40.0	2.7
Springbrook	33	18.2	36.4	33.3	9.1	≤5.0	45.5	2.4
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	84	29.8	21.4	25.0	13.1	10.7	48.8	2.5
Walt Whitman	122	≤5.0	9.8	32.8	22.1	34.4	89.3	3.8
Thomas S. Wootton	172	≤5.0	≤5.0	23.8	40.7	31.4	≥95.0	4.0

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C10. 2018 MCPS Advanced Placement **Environmental Science**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,146	12.4	23.1	14.8	35.4	14.2	64.5	3.2
Bethesda-Chevy Chase	178	8.4	21.9	12.4	46.1	11.2	69.7	3.3
Montgomery Blair	44	11.4	15.9	20.5	27.3	25.0	72.7	3.4
James Hubert Blake	14	28.6	35.7	14.3	21.4	≤5.0	35.7	2.3
Winston Churchill	52	5.8	17.3	26.9	38.5	11.5	76.9	3.3
Clarksburg	32	12.5	21.9	15.6	37.5	12.5	65.6	3.2
Damascus	23	26.1	26.1	21.7	21.7	≤5.0	47.8	2.5
Albert Einstein	34	17.6	29.4	17.6	29.4	5.9	52.9	2.8
Gaithersburg	--	--	--	--	--	--	--	--
Walter Johnson	48	≤5.0	10.4	12.5	39.6	37.5	89.6	4.0
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	43	18.6	25.6	14.0	30.2	11.6	55.8	2.9
Richard Montgomery	126	15.1	27.8	14.3	30.2	12.7	57.1	3.0
Northwest	75	28.0	22.7	13.3	25.3	10.7	49.3	2.7
Northwood	--	--	--	--	--	--	--	--
Paint Branch	45	24.4	37.8	15.6	17.8	≤5.0	37.8	2.4
Poolesville	72	≤5.0	8.3	≤5.0	47.2	38.9	88.9	4.1
Quince Orchard	84	19.0	34.5	9.5	26.2	10.7	46.4	2.8
Rockville	--	--	--	--	--	--	--	--
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	47	≤5.0	25.5	21.3	40.4	8.5	70.2	3.2
Springbrook	--	--	--	--	--	--	--	--
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	--	--	--	--	--	--	--	--
Walt Whitman	178	8.4	23.0	18.5	38.2	11.8	68.5	3.2
Thomas S. Wootton	43	≤5.0	14.0	14.0	48.8	18.6	81.4	3.6

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C11. 2018 MCPS Advanced Placement **Physics 1**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,079	33.2	34.8	16.9	12.2	≤5.0	32.1	2.2
Bethesda-Chevy Chase	--	--	--	--	--	--	--	--
Montgomery Blair	--	--	--	--	--	--	--	--
James Hubert Blake	--	--	--	--	--	--	--	--
Winston Churchill	286	15.4	43.7	24.1	14.7	≤5.0	40.9	2.4
Clarksburg	19	63.2	31.6	5.3	≤5.0	≤5.0	5.3	1.4
Damascus	--	--	--	--	--	--	--	--
Albert Einstein	26	30.8	53.8	7.7	≤5.0	≤5.0	15.4	2.0
Gaithersburg	--	--	--	--	--	--	--	--
Walter Johnson	75	10.7	18.7	24.0	36.0	10.7	70.7	3.2
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	--	--	--	--	--	--	--	--
Richard Montgomery	15	13.3	33.3	20.0	33.3	≤5.0	53.3	2.7
Northwest	73	42.5	42.5	8.2	5.5	≤5.0	15.1	1.8
Northwood	19	52.6	21.1	5.3	15.8	5.3	26.3	2.0
Paint Branch	71	45.1	49.3	≤5.0	≤5.0	≤5.0	5.6	1.6
Poolesville	22	≤5.0	18.2	27.3	36.4	18.2	81.8	3.5
Quince Orchard	41	17.1	36.6	36.6	9.8	≤5.0	46.3	2.4
Rockville	59	42.4	28.8	16.9	10.2	≤5.0	28.8	2.0
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	164	54.3	34.8	7.9	≤5.0	≤5.0	11.0	1.6
Springbrook	100	68.0	20.0	10.0	≤5.0	≤5.0	12.0	1.5
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	78	25.6	33.3	20.5	16.7	≤5.0	41.0	2.4
Walt Whitman	18	5.6	≤5.0	22.2	50.0	22.2	94.4	3.8
Thomas S. Wootton	--	--	--	--	--	--	--	--

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C12. 2018 MCPS Advanced Placement **Physics C: Mechanics**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	680	8.7	11.5	18.4	27.9	33.5	79.9	3.7
Bethesda-Chevy Chase	27	≤5.0	11.1	≤5.0	37.0	44.4	85.2	4.1
Montgomery Blair	61	≤5.0	11.5	8.2	24.6	52.5	85.2	4.1
James Hubert Blake	--	--	--	--	--	--	--	--
Winston Churchill	56	≤5.0	8.9	26.8	33.9	26.8	87.5	3.7
Clarksburg	25	20.0	12.0	32.0	24.0	12.0	68.0	3.0
Damascus	18	33.3	5.6	33.3	11.1	16.7	61.1	2.7
Albert Einstein	--	--	--	--	--	--	--	--
Gaithersburg	10	20.0	10.0	30.0	≤5.0	40.0	70.0	3.3
Walter Johnson	24	≤5.0	8.3	≤5.0	41.7	45.8	91.7	4.3
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	30	6.7	33.3	26.7	20.0	13.3	60.0	3.0
Richard Montgomery	111	≤5.0	8.1	19.8	36.0	31.5	87.4	3.8
Northwest	11	45.5	27.3	9.1	18.2	≤5.0	27.3	2.0
Northwood	--	--	--	--	--	--	--	--
Paint Branch	24	12.5	33.3	29.2	20.8	≤5.0	54.2	2.7
Poolesville	46	≤5.0	≤5.0	8.7	26.1	65.2	≥95.0	4.6
Quince Orchard	24	16.7	33.3	20.8	25.0	≤5.0	50.0	2.7
Rockville	--	--	--	--	--	--	--	--
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	38	21.1	5.3	21.1	31.6	21.1	73.7	3.3
Springbrook	29	17.2	31.0	24.1	17.2	10.3	51.7	2.7
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	38	15.8	7.9	39.5	18.4	18.4	76.3	3.2
Walt Whitman	53	5.7	5.7	17.0	37.7	34.0	88.7	3.9
Thomas S. Wootton	54	≤5.0	≤5.0	≤5.0	24.1	75.9	≥95.0	4.8

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C13. 2018 MCPS Advanced Placement **Macroeconomics**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	828	14.0	17.1	13.9	24.5	30.4	68.8	3.4
Bethesda-Chevy Chase	64	7.8	34.4	23.4	15.6	18.8	57.8	3.0
Montgomery Blair	40	10.0	12.5	15.0	37.5	25.0	77.5	3.6
James Hubert Blake	45	31.1	24.4	11.1	13.3	20.0	44.4	2.7
Winston Churchill	74	≤5.0	8.1	16.2	25.7	50.0	91.9	4.2
Clarksburg	27	29.6	25.9	7.4	18.5	18.5	44.4	2.7
Damascus	--	--	--	--	--	--	--	--
Albert Einstein	--	--	--	--	--	--	--	--
Gaithersburg	--	--	--	--	--	--	--	--
Walter Johnson	123	11.4	24.4	12.2	26.0	26.0	64.2	3.3
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	26	50.0	23.1	11.5	11.5	≤5.0	26.9	2.0
Richard Montgomery	40	7.5	≤5.0	15.0	30.0	45.0	90.0	4.0
Northwest	14	64.3	21.4	≤5.0	14.3	≤5.0	14.3	1.6
Northwood	--	--	--	--	--	--	--	--
Paint Branch	--	--	--	--	--	--	--	--
Poolesville	79	≤5.0	6.3	6.3	29.1	54.4	89.9	4.2
Quince Orchard	88	20.5	18.2	25.0	22.7	13.6	61.4	2.9
Rockville	--	--	--	--	--	--	--	--
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	25	20.0	36.0	12.0	20.0	12.0	44.0	2.7
Springbrook	24	45.8	12.5	25.0	16.7	≤5.0	41.7	2.1
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	--	--	--	--	--	--	--	--
Walt Whitman	69	7.2	17.4	10.1	33.3	31.9	75.4	3.7
Thomas S. Wootton	76	≤5.0	≤5.0	9.2	27.6	59.2	≥95.0	4.4

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C14. 2018 MCPS Advanced Placement **Microeconomics**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	935	11.1	11.3	21.2	28.6	27.8	77.5	3.5
Bethesda-Chevy Chase	68	8.8	25.0	26.5	26.5	13.2	66.2	3.1
Montgomery Blair	38	13.2	5.3	21.1	28.9	31.6	81.6	3.6
James Hubert Blake	45	26.7	17.8	22.2	20.0	13.3	55.6	2.8
Winston Churchill	73	≤5.0	≤5.0	11.0	23.3	65.8	≥95.0	4.5
Clarksburg	31	6.5	32.3	25.8	22.6	12.9	61.3	3.0
Damascus	103	10.7	13.6	35.9	32.0	7.8	75.7	3.1
Albert Einstein	--	--	--	--	--	--	--	--
Gaithersburg	--	--	--	--	--	--	--	--
Walter Johnson	128	7.0	10.2	20.3	31.3	31.3	82.8	3.7
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	27	37.0	22.2	18.5	22.2	≤5.0	40.7	2.3
Richard Montgomery	44	9.1	6.8	9.1	40.9	34.1	84.1	3.8
Northwest	22	45.5	18.2	18.2	9.1	9.1	36.4	2.2
Northwood	--	--	--	--	--	--	--	--
Paint Branch	--	--	--	--	--	--	--	--
Poolesville	77	5.2	≤5.0	7.8	35.1	50.6	93.5	4.2
Quince Orchard	84	16.7	11.9	36.9	25.0	9.5	71.4	3.0
Rockville	--	--	--	--	--	--	--	--
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	22	9.1	27.3	36.4	13.6	13.6	63.6	3.0
Springbrook	22	50.0	22.7	18.2	9.1	≤5.0	27.3	1.9
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	--	--	--	--	--	--	--	--
Walt Whitman	71	5.6	5.6	18.3	36.6	33.8	88.7	3.9
Thomas S. Wootton	71	≤5.0	≤5.0	5.6	32.4	57.7	≥95.0	4.4

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C15. 2018 MCPS Advanced Placement **U.S. Government and Politics**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	6,106	11.9	19.2	26.8	18.3	23.8	68.9	3.2
Bethesda-Chevy Chase	381	≤5.0	9.7	23.9	24.7	37.8	86.4	3.8
Montgomery Blair	318	≤5.0	7.5	19.5	25.5	45.9	90.9	4.1
James Hubert Blake	127	7.1	17.3	32.3	20.5	22.8	75.6	3.3
Winston Churchill	422	6.9	17.3	31.0	22.5	22.3	75.8	3.4
Clarksburg	210	7.6	26.2	37.6	17.6	11.0	66.2	3.0
Damascus	155	18.1	24.5	33.5	13.5	10.3	57.4	2.7
Albert Einstein	175	17.1	23.4	27.4	15.4	16.6	59.4	2.9
Gaithersburg	81	12.3	22.2	34.6	17.3	13.6	65.4	3.0
Walter Johnson	403	≤5.0	8.9	23.6	22.3	42.7	88.6	3.9
John F. Kennedy	155	52.3	31.0	11.0	≤5.0	≤5.0	16.8	1.7
Col. Zadok Magruder	178	16.9	29.8	32.6	11.8	9.0	53.4	2.7
Richard Montgomery	358	9.8	20.4	26.5	19.3	24.0	69.8	3.3
Northwest	605	20.5	27.3	26.9	14.5	10.7	52.2	2.7
Northwood	105	17.1	30.5	27.6	14.3	10.5	52.4	2.7
Paint Branch	182	12.1	33.5	28.0	12.6	13.7	54.4	2.8
Poolesville	225	5.8	20.0	22.2	19.6	32.4	74.2	3.5
Quince Orchard	289	10.7	22.1	30.8	18.3	18.0	67.1	3.1
Rockville	154	11.0	18.8	31.2	18.8	20.1	70.1	3.2
Seneca Valley	123	13.8	26.8	39.0	12.2	8.1	59.3	2.7
Sherwood	257	10.9	14.8	28.0	20.2	26.1	74.3	3.4
Springbrook	203	39.4	24.1	19.2	10.8	6.4	36.5	2.2
Watkins Mill	70	51.4	18.6	24.3	≤5.0	≤5.0	30.0	1.9
Wheaton	150	16.0	18.7	26.7	15.3	23.3	65.3	3.1
Walt Whitman	393	≤5.0	14.8	27.2	21.6	33.8	82.7	3.7
Thomas S. Wootton	384	≤5.0	9.6	21.9	22.4	44.0	88.3	4.0

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C16. 2018 MCPS Advanced Placement **U.S. History**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	2,029	12.6	20.1	25.0	24.4	17.9	67.3	3.1
Bethesda-Chevy Chase	74	≤5.0	12.2	20.3	31.1	35.1	86.5	3.9
Montgomery Blair	19	≤5.0	10.5	10.5	26.3	52.6	89.5	4.2
James Hubert Blake	53	20.8	49.1	18.9	7.5	≤5.0	30.2	2.2
Winston Churchill	201	≤5.0	11.9	30.8	33.3	21.4	85.6	3.6
Clarksburg	124	11.3	16.9	36.3	26.6	8.9	71.8	3.0
Damascus	48	10.4	14.6	22.9	35.4	16.7	75.0	3.3
Albert Einstein	100	17.0	40.0	25.0	17.0	≤5.0	43.0	2.5
Gaithersburg	34	17.6	23.5	35.3	14.7	8.8	58.8	2.7
Walter Johnson	151	≤5.0	13.9	27.8	31.8	22.5	82.1	3.5
John F. Kennedy	22	40.9	9.1	31.8	13.6	≤5.0	50.0	2.3
Col. Zadok Magruder	45	11.1	28.9	28.9	20.0	11.1	60.0	2.9
Richard Montgomery	144	≤5.0	≤5.0	8.3	36.1	49.3	93.8	4.3
Northwest	--	--	--	--	--	--	--	--
Northwood	74	14.9	23.0	29.7	18.9	13.5	62.2	2.9
Paint Branch	16	12.5	18.8	18.8	25.0	25.0	68.8	3.3
Poolesville	58	≤5.0	12.1	20.7	43.1	24.1	87.9	3.8
Quince Orchard	146	22.6	25.3	30.8	17.8	≤5.0	52.1	2.5
Rockville	82	19.5	42.7	25.6	9.8	≤5.0	37.8	2.3
Seneca Valley	22	22.7	27.3	27.3	13.6	9.1	50.0	2.6
Sherwood	65	7.7	7.7	36.9	20.0	27.7	84.6	3.5
Springbrook	111	29.7	31.5	24.3	13.5	≤5.0	38.7	2.2
Watkins Mill	91	49.5	27.5	13.2	8.8	≤5.0	23.1	1.8
Wheaton	127	11.0	33.1	27.6	21.3	7.1	55.9	2.8
Walt Whitman	97	≤5.0	≤5.0	17.5	33.0	43.3	93.8	4.1
Thomas S. Wootton	125	5.6	10.4	22.4	29.6	32.0	84.0	3.7

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C17. 2018 MCPS Advanced Placement **World History**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	3,189	7.2	21.9	26.9	27.4	16.6	70.9	3.2
Bethesda-Chevy Chase	115	≤5.0	7.0	21.7	36.5	34.8	93.0	4.0
Montgomery Blair	222	≤5.0	11.7	30.2	38.3	19.8	88.3	3.7
James Hubert Blake	111	≤5.0	14.4	33.3	33.3	14.4	81.1	3.4
Winston Churchill	153	≤5.0	7.8	19.0	42.5	30.7	92.2	4.0
Clarksburg	159	8.8	26.4	33.3	23.3	8.2	64.8	3.0
Damascus	166	6.0	34.3	26.5	28.9	≤5.0	59.6	2.9
Albert Einstein	89	7.9	22.5	33.7	22.5	13.5	69.7	3.1
Gaithersburg	51	7.8	41.2	33.3	13.7	≤5.0	51.0	2.6
Walter Johnson	287	≤5.0	8.4	21.6	38.3	31.7	91.6	3.9
John F. Kennedy	78	32.1	28.2	26.9	10.3	≤5.0	39.7	2.2
Col. Zadok Magruder	126	14.3	34.1	26.2	20.6	≤5.0	51.6	2.7
Richard Montgomery	132	6.1	25.0	37.1	24.2	7.6	68.9	3.0
Northwest	261	12.3	30.3	27.6	19.9	10.0	57.5	2.9
Northwood	55	7.3	16.4	34.5	29.1	12.7	76.4	3.2
Paint Branch	166	7.8	25.3	32.5	25.3	9.0	66.9	3.0
Poolesville	186	≤5.0	9.1	23.1	35.5	29.6	88.2	3.8
Quince Orchard	194	14.9	37.6	26.8	13.4	7.2	47.4	2.6
Rockville	31	6.5	29.0	25.8	25.8	12.9	64.5	3.1
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	150	≤5.0	23.3	29.3	26.7	18.0	74.0	3.3
Springbrook	142	23.9	41.5	23.2	9.9	≤5.0	34.5	2.2
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	138	11.6	29.7	26.1	20.3	12.3	58.7	2.9
Walt Whitman	88	≤5.0	≤5.0	13.6	33.0	52.3	≥95.0	4.4
Thomas S. Wootton	89	≤5.0	10.1	21.3	39.3	29.2	89.9	3.9

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C18. 2018 MCPS Advanced Placement **Human Geography**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	657	15.7	12.0	20.1	27.9	24.4	72.3	3.3
Bethesda-Chevy Chase	--	--	--	--	--	--	--	--
Montgomery Blair	92	17.4	14.1	19.6	25.0	23.9	68.5	3.2
James Hubert Blake	22	13.6	22.7	18.2	31.8	13.6	63.6	3.1
Winston Churchill	109	11.0	7.3	10.1	42.2	29.4	81.7	3.7
Clarksburg	--	--	--	--	--	--	--	--
Damascus	--	--	--	--	--	--	--	--
Albert Einstein	29	24.1	17.2	27.6	17.2	13.8	58.6	2.8
Gaithersburg	--	--	--	--	--	--	--	--
Walter Johnson	18	38.9	≤5.0	22.2	22.2	16.7	61.1	2.8
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	23	30.4	21.7	17.4	17.4	13.0	47.8	2.6
Richard Montgomery	40	≤5.0	12.5	22.5	40.0	22.5	85.0	3.7
Northwest	35	31.4	17.1	14.3	20.0	17.1	51.4	2.7
Northwood	--	--	--	--	--	--	--	--
Paint Branch	57	19.3	12.3	29.8	19.3	19.3	68.4	3.1
Poolesville	52	≤5.0	≤5.0	17.3	32.7	44.2	94.2	4.1
Quince Orchard	--	--	--	--	--	--	--	--
Rockville	39	20.5	12.8	35.9	20.5	10.3	66.7	2.9
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	--	--	--	--	--	--	--	--
Springbrook	17	64.7	17.6	11.8	≤5.0	5.9	17.6	1.6
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	22	22.7	18.2	18.2	36.4	≤5.0	59.1	2.8
Walt Whitman	34	≤5.0	8.8	32.4	26.5	29.4	88.2	3.7
Thomas S. Wootton	64	≤5.0	12.5	17.2	26.6	42.2	85.9	4.0

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C19. 2018 MCPS Advanced Placement **Psychology**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	3,086	15.5	11.8	16.1	29.3	27.4	72.7	3.4
Bethesda-Chevy Chase	114	11.4	13.2	25.4	25.4	24.6	75.4	3.4
Montgomery Blair	203	13.8	7.4	17.7	30.0	31.0	78.8	3.6
James Hubert Blake	106	14.2	11.3	18.9	25.5	30.2	74.5	3.5
Winston Churchill	293	≤5.0	7.5	14.3	39.6	34.1	88.1	3.9
Clarksburg HS	120	15.0	19.2	19.2	28.3	18.3	65.8	3.2
Damascus	41	31.7	17.1	17.1	24.4	9.8	51.2	2.6
Albert Einstein	44	20.5	20.5	18.2	27.3	13.6	59.1	2.9
Gaithersburg	60	31.7	25.0	18.3	20.0	≤5.0	43.3	2.4
Walter Johnson	185	≤5.0	7.6	12.4	30.3	46.5	89.2	4.1
John F. Kennedy	71	47.9	12.7	16.9	16.9	5.6	39.4	2.2
Col. Zadok Magruder	58	8.6	10.3	20.7	29.3	31.0	81.0	3.6
Richard Montgomery	160	≤5.0	10.0	12.5	36.9	39.4	88.8	4.0
Northwest	176	34.1	15.3	19.3	17.0	14.2	50.6	2.6
Northwood	98	29.6	20.4	19.4	20.4	10.2	50.0	2.6
Paint Branch	102	14.7	20.6	16.7	31.4	16.7	64.7	3.1
Poolesville	130	5.4	9.2	10.0	29.2	46.2	85.4	4.0
Quince Orchard	135	17.8	12.6	17.8	29.6	22.2	69.6	3.3
Rockville	55	23.6	10.9	12.7	38.2	14.5	65.5	3.1
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	143	11.2	13.3	22.4	36.4	16.8	75.5	3.3
Springbrook	145	44.1	17.9	12.4	19.3	6.2	37.9	2.3
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	104	30.8	10.6	8.7	26.0	24.0	58.7	3.0
Walt Whitman	264	≤5.0	≤5.0	9.8	34.1	48.5	92.4	4.2
Thomas S. Wootton	272	11.4	9.9	19.9	29.0	29.8	78.7	3.6

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C20. 2018 MCPS Advanced Placement **Computer Science A**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	756	16.5	8.7	17.6	22.8	34.4	74.7	3.5
Bethesda-Chevy Chase	23	21.7	26.1	39.1	≤5.0	8.7	52.2	2.5
Montgomery Blair	130	≤5.0	≤5.0	10.0	19.2	68.5	≥95.0	4.5
James Hubert Blake	23	17.4	17.4	39.1	26.1	≤5.0	65.2	2.7
Winston Churchill	58	≤5.0	8.6	27.6	34.5	27.6	89.7	3.8
Clarksburg	25	8.0	16.0	20.0	36.0	20.0	76.0	3.4
Damascus	--	--	--	--	--	--	--	--
Albert Einstein	--	--	--	--	--	--	--	--
Gaithersburg	--	--	--	--	--	--	--	--
Walter Johnson	35	11.4	8.6	20.0	37.1	22.9	80.0	3.5
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	--	--	--	--	--	--	--	--
Richard Montgomery	56	12.5	8.9	12.5	25.0	41.1	78.6	3.7
Northwest	16	75.0	6.3	6.3	12.5	≤5.0	18.8	1.6
Northwood	--	--	--	--	--	--	--	--
Paint Branch	--	--	--	--	--	--	--	--
Poolesville	88	10.2	≤5.0	21.6	28.4	36.4	86.4	3.8
Quince Orchard	17	29.4	≤5.0	23.5	29.4	17.6	70.6	3.1
Rockville	16	50.0	12.5	12.5	6.3	18.8	37.5	2.3
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	27	44.4	14.8	33.3	7.4	≤5.0	40.7	2.0
Springbrook	36	41.7	16.7	30.6	8.3	≤5.0	41.7	2.1
Watkins Mill	20	35.0	10.0	30.0	25.0	≤5.0	55.0	2.5
Wheaton	40	52.5	22.5	7.5	12.5	≤5.0	25.0	2.0
Walt Whitman	22	≤5.0	9.1	18.2	40.9	31.8	90.9	4.0
Thomas S. Wootton	96	≤5.0	≤5.0	≤5.0	26.0	70.8	≥95.0	4.7

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C21. 2018 MCPS Advanced Placement **Computer Science Principles**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,057	≤5.0	15.0	35.8	25.6	18.6	80.0	3.4
Bethesda-Chevy Chase	71	≤5.0	≤5.0	33.8	36.6	25.4	≥95.0	3.8
Montgomery Blair	14	≤5.0	7.1	28.6	35.7	28.6	92.9	3.9
James Hubert Blake	--	--	--	--	--	--	--	--
Winston Churchill	129	≤5.0	5.4	34.9	27.1	31.0	93.0	3.8
Clarksburg	63	≤5.0	7.9	54.0	22.2	14.3	90.5	3.4
Damascus	35	5.7	11.4	51.4	22.9	8.6	82.9	3.2
Albert Einstein	13	15.4	30.8	15.4	30.8	7.7	53.8	2.8
Gaithersburg	31	16.1	35.5	25.8	19.4	≤5.0	48.4	2.6
Walter Johnson	--	--	--	--	--	--	--	--
John F. Kennedy	--	--	--	--	--	--	--	--
Col. Zadok Magruder	--	--	--	--	--	--	--	--
Richard Montgomery	62	≤5.0	14.5	29.0	22.6	30.6	82.3	3.6
Northwest	23	≤5.0	47.8	30.4	13.0	≤5.0	47.8	2.7
Northwood	18	38.9	38.9	16.7	5.6	≤5.0	22.2	1.9
Paint Branch	--	--	--	--	--	--	--	--
Poolesville	122	≤5.0	22.1	40.2	20.5	13.9	74.6	3.2
Quince Orchard	57	≤5.0	17.5	28.1	29.8	22.8	80.7	3.5
Rockville	49	6.1	20.4	42.9	20.4	10.2	73.5	3.1
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	14	14.3	7.1	35.7	21.4	21.4	78.6	3.3
Springbrook	90	12.2	20.0	43.3	15.6	8.9	67.8	2.9
Watkins Mill	--	--	--	--	--	--	--	--
Wheaton	50	12.0	34.0	22.0	20.0	12.0	54.0	2.9
Walt Whitman	22	≤5.0	9.1	18.2	45.5	27.3	90.9	3.9
Thomas S. Wootton	179	≤5.0	6.7	34.6	36.9	21.8	93.3	3.7

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.

Table C22. 2018 MCPS Advanced Placement **Spanish Language**:
Number of Exams Taken; Percentage of Exam Scores of 1, 2, 3, 4, and 5; and Mean Exam Score by High School

High School	N Exams Taken	% Exam Scores of 1, 2, 3, 4, or 5					% Exam Scores 3 or Higher	Mean Exam Score
		% Score 1	% Score 2	% Score 3	% Score 4	% Score 5		
All Students	1,277	≤5.0	≤5.0	23.0	39.2	32.7	94.9	4.0
Bethesda-Chevy Chase	42	≤5.0	≤5.0	≤5.0	26.2	69.0	≥95.0	4.6
Montgomery Blair	90	≤5.0	≤5.0	≤5.0	27.8	67.8	≥95.0	4.6
James Hubert Blake	19	≤5.0	5.3	47.4	36.8	10.5	94.7	3.5
Winston Churchill	137	≤5.0	≤5.0	32.8	39.4	24.1	≥95.0	3.8
Clarksburg	16	≤5.0	6.3	12.5	56.3	25.0	93.8	4.0
Damascus	13	≤5.0	≤5.0	15.4	30.8	53.8	≥95.0	4.4
Albert Einstein	47	≤5.0	≤5.0	23.4	48.9	27.7	≥95.0	4.0
Gaithersburg	68	≤5.0	7.4	36.8	44.1	10.3	91.2	3.5
Walter Johnson	61	≤5.0	≤5.0	9.8	42.6	47.5	≥95.0	4.4
John F. Kennedy	37	5.4	13.5	40.5	32.4	8.1	81.1	3.2
Col. Zadok Magruder	61	≤5.0	≤5.0	13.1	49.2	34.4	≥95.0	4.1
Richard Montgomery	119	≤5.0	≤5.0	14.3	45.4	36.1	≥95.0	4.1
Northwest	72	≤5.0	≤5.0	36.1	36.1	23.6	≥95.0	3.8
Northwood	52	≤5.0	9.6	21.2	38.5	30.8	90.4	3.9
Paint Branch	34	≤5.0	11.8	41.2	29.4	14.7	85.3	3.4
Poolesville	24	≤5.0	≤5.0	33.3	33.3	33.3	≥95.0	4.0
Quince Orchard	76	≤5.0	9.2	44.7	27.6	18.4	90.8	3.6
Rockville	16	≤5.0	6.3	31.3	50.0	12.5	93.8	3.7
Seneca Valley	--	--	--	--	--	--	--	--
Sherwood	42	≤5.0	7.1	23.8	40.5	28.6	92.9	3.9
Springbrook	50	≤5.0	12.0	18.0	54.0	16.0	88.0	3.7
Watkins Mill	22	≤5.0	18.2	27.3	40.9	9.1	77.3	3.3
Wheaton	42	≤5.0	≤5.0	9.5	45.2	45.2	≥95.0	4.4
Walt Whitman	55	≤5.0	≤5.0	7.3	40.0	52.7	≥95.0	4.5
Thomas S. Wootton	82	≤5.0	≤5.0	23.2	35.4	40.2	≥95.0	4.1

Note. Sum of percentages calculated from unrounded values may vary by ±0.1 points from rounded percentages. To comply with federal requirements, any percentage rates greater than or equal to 95.0% or less than or equal to 5.0% will be noted as ≥95.0 or ≤5.0, respectively. Additionally, results are not reported (--) for groups with fewer than 10 AP exams. For groups of between 10 and 20 AP exams, only the percentage rate will be reported.