

October 4, 2013

MEMORANDUM

To: Members of the Board of Education

From: Renee A. Foose, Ed.D.  
Superintendent

Subject: PSAT Participation Rates and Performance of Howard County Public School System  
Students in Grades 10 and 11 in 2012

As part of the Howard County Public School System's (HCPSS) focus on college and career readiness, the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) is administered to every sophomore and junior in HCPSS. The cost of PSAT testing is paid by the school district for both Grades 10 and 11.

The PSAT is administered by the College Board in October of each school year and will be administered to all Grade 10 and 11 students again on October 16, 2013. The PSAT is a 2-hour and 10-minute (130 minutes) standardized test with sections that measure critical reading, mathematics, and writing skills. The test is composed of 52 critical reading items, 40 mathematics and problem-solving items, and 39 writing items. Scores on each of the three sections range from 20 to 80.

Every high school receives their students' PSAT scores within two to three months after the October administration. School staff has been using these results for making course decisions and planning. However, there is a need for system-wide reporting and monitoring of PSAT participation and performance. This is the first time HCPSS is reporting district and school level Grade 10 and 11 student PSAT participation and performance data. The October 2013 district and school level data and data analysis will be reported out in January 2014.

College Board research has indicated that the PSAT/NMSQT test items strongly align to the common core state standards<sup>1</sup> and PSAT scores are shown to be indicators of college readiness<sup>2</sup>. Another study by College Board showed moderate to strong relationships between PSAT scores and indicators of academic achievement in high school including high school grade point average, rigorous course participation, academic intensity, and participation/performance in AP courses<sup>3</sup>.

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<sup>1</sup>Vasavada, N., Carman, E., Hart, B., & Luisier, D. (2010). *Common Core State Standards Alignment Readiness™, PSAT/NMSQT® and SAT®*. Research Report 2010-5A. New York: College Board.

<sup>2</sup>Proctor, T. P., Wyatt, J., & Wiley, A. (2010). *PSAT/NMSQT® Indicators of College Readiness*. Research Report No. 2010-4. New York: College Board.

<sup>3</sup>Milewski, G. B., & Sawtell, E. A. (2006). Relationships between PSAT/NMSQT® score and Academic achievement in high school. Research Report No. 2006-6. New York: College Board.

The following are some benefits for schools in having PSAT scores for Grade 10 students.

- a) Use PSAT's AP Potential Index to identify students who can succeed in AP courses. Also it identifies students who might not have taken Honors or Advanced Placement (AP) courses so we encourage and support them in undertaking rigorous courses.
- b) Use PSAT scores as an early warning signal for students to improve their academic preparation during the final two years of high school. Students can receive feedback on strengths and weaknesses in skills necessary for college study, so students can focus on areas where they need more study and practice.
- c) Grade 10 PSAT is a practice test for Grade 11 PSAT which in turn provides firsthand practice for the SAT.
- d) Grade 10 PSAT is a practice test to improve Grade 11 PSAT scores, especially for students interested in applying for National Merit Scholarship programs. The Selection Index (combined scores of critical reading, math, and writing) is used to determine eligibility and is roughly a score of 142 or above for Grade 11 students<sup>4</sup>. Only students in Grade 11 are eligible to enter National Merit Scholarship programs.

The section below provides 2012 PSAT participation and performance results for Grade 10 and 11 students.

### **PSAT Participation and Performance of Grade 10 Students**

In the 2012-2013 school year, more than 95% of the HCPSS Grade 10 students took the PSAT. Despite a large percentage of students overall participating in the PSAT, gaps between student groups remain evident. The largest gap in participation was seen between Black/African American (93%), Two or More Races (93%), and Hispanic (94%) when compared with White and Asian students, both groups had participation rates greater than 95%. (Table 1).

While the overall mean composite score for Grade 10 students was 139, performance gaps were evident between student groups which mirrored the participation gaps. Overall, Black/African American and Hispanic students performed lower on the PSAT than their White and Asian peers. The mean combined score for Black/African American students was 33 points lower than Asian and 26 points lower than White students. The mean combined score for Hispanic students was 28 points lower than Asian and 21 points lower than White students.

The gap in participation rate between FARMS and non-FARMS students is six percentage points, non-FARMS students participated at a higher rate than FARMS students. The mean combined score of FARMS students was 29 points lower than non-FARMS students.

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<sup>4</sup><http://www.collegeboard.com/student/testing/psat/scores.html>.

Table 1.  
PSAT Participation and Performance of Grade 10 HCPSS Students in School Year 2012-2013

	All	N Took PSAT	% Took PSAT	Mean Scores			
				Reading	Math	Writing	Composite
All	4,024	*	≥95.0	47	47	45	139
Male	2,060	*	≥95.0	47	48	44	139
Female	1,964	*	≥95.0	47	46	46	139
Black/African American	844	786	93.1	41	39	39	119
Asian	627	*	≥95.0	50	53	49	152
Hispanic	324	303	93.5	42	41	40	124
White	1,955	*	≥95.0	48	49	47	145
Two or More Races	261	243	93.1	47	47	46	141
FARMS	609	551	90.5	39	37	37	114
Non-FARMS	3,415	*	≥95.0	48	49	46	143
Special Education	264	220	83.3	36	33	33	103
ESOL	41	38	92.7	32	35	31	97

Note. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

ESOL = English for Speakers of Other Languages; FARMS = Free and Reduced-Price Meals System.

Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively and the numerator will be reported as \* to protect student confidentiality.

Due to rounding the sum of content area mean scores may be greater than or less than the mean composite score.

### PSAT Participation and Performance of Grade 11 Students

In the 2012-2013 school year, approximately 93% of the HCPSS Grade 11 students took the PSAT and their mean combined score was 150, which is in the 61<sup>st</sup> percentile, nationally.

Even though approximately 90% of Black/African American and 91% of Hispanic students took the PSAT in Grade 11, there still remains a gap in participation rate between Black/African American/Hispanic and Asian/White students (Table 2). The gaps between Asian students and Black/African American and Hispanic were notable (7 and 6 percentage points, respectively). A similar trend was found for mean combined performance score. The mean combined score for Black/African American students was 33 points lower than Asian and 26 points lower than White students. The mean combined score for Hispanic students was 29 points lower than Asian and 22 points lower than White students.

The gap in participation rate between FARMS and non-FARMS students is six percentage points, non-FARMS students participated at a higher rate than FARMS students. The mean combined score of FARMS students were 30 points lower than non-FARMS students.

Table 2.  
PSAT Participation and Performance of Grade 11 HCPSS Students in School Year 2012-2013

	All	N Took PSAT	% Took PSAT	Mean Scores			
				Reading	Math	Writing	Composite
All	3,925	3,646	92.9	50	51	49	150
Male	1,992	1,861	93.4	49	52	48	149
Female	1,933	1,785	92.3	51	50	50	151
Black/African American	771	693	89.9	44	43	43	130
Asian	611	594	97.2	53	57	52	163
Hispanic	291	265	91.1	45	45	44	134
White	2,024	1,883	93.0	52	53	51	156
Two or More Races	210	197	93.8	50	50	48	148
FARMS	521	455	87.3	42	41	41	124
Non-FARMS	3,404	3191	93.7	51	52	50	154
Special Education	203	176	86.7	38	36	35	110
ESOL	34	31	91.2	35	39	33	107

Note. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

ESOL = English for Speakers of Other Languages; FARMS = Free and Reduced-Price Meals System.

Due to rounding the sum of content area mean scores may be greater than or less than the mean composite score.

### PSAT Participation and Performance of Grades 10 and 11 Students by High School

The attached tables (A1-A7) provide additional data about PSAT participation and performance by high school and demographic and special service groups.

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Executive Team

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Table A1

## PSAT Participation and Performance of HCPSS Students in Grades 10 and 11 by Demographic and Special Service Group for School Year 2012-2013

	Grade 10							Grade 11						
	All	N Took PSAT	% Took PSAT	Mean Scores**				All	N Took PSAT	% Took PSAT	Mean Scores**			
				Reading	Math	Writing	Composite				Reading	Math	Writing	Composite
All	4024	*	≥95.0	47	47	45	139	3925	3646	92.9	50	51	49	150
Male	2060	*	≥95.0	47	48	44	139	1992	1861	93.4	49	52	48	149
Female	1964	*	≥95.0	47	46	46	139	1933	1785	92.3	51	50	50	151
Black/African American	844	786	93.1	41	39	39	119	771	693	89.9	44	43	43	130
Male	443	403	91.0	41	40	38	118	390	343	87.9	43	43	41	127
Female	401	*	≥95.0	42	39	40	121	381	350	91.9	45	43	45	132
Asian	627	*	≥95.0	50	53	49	152	611	*	≥95.0	53	57	52	163
Male	309	*	≥95.0	51	55	48	154	316	*	≥95.0	52	58	51	161
Female	318	*	≥95.0	49	52	49	150	295	*	≥95.0	54	57	54	164
Hispanic	324	303	93.5	42	41	40	124	291	265	91.1	45	45	44	134
Male	166	157	94.6	42	42	39	123	154	145	94.2	45	45	43	134
Female	158	146	92.4	43	40	42	125	137	120	87.6	45	44	45	134
White	1955	*	≥95.0	48	49	47	145	2024	1883	93.0	52	53	51	156
Male	1013	*	≥95.0	48	50	46	144	1015	954	94.0	52	54	50	156
Female	942	*	≥95.0	49	48	48	145	1009	929	92.1	53	52	52	157
Two or More Races	261	243	93.1	47	47	46	141	210	197	93.8	50	50	48	148
Male	118	109	92.4	48	48	46	142	107	*	≥95.0	50	52	46	149
Female	143	134	93.7	47	47	46	140	103	95	92.2	51	47	49	147
FARMS														
No	3415	*	≥95.0	48	49	46	143	3404	3191	93.7	51	52	50	154
Yes	609	551	90.5	39	37	37	114	521	455	87.3	42	41	41	124
Special Education	264	220	83.3	36	33	33	103	203	176	86.7	38	36	35	110
ESOL	41	38	92.7	32	35	31	97	34	31	91.2	35	39	33	107

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on October 17, 2012 (PSAT test date). Students enrolled in English for Speakers of Other Languages (ESOL) levels 1 or 2, students eligible to take the Alt- Maryland School Assessment (MSA), and students enrolled in special schools were excluded.

Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively and numerator will be reported as \* to protect student confidentiality.

Due to rounding, the sum of content area mean scores may be greater than or less than the mean composite score.

\*\*Students who took PSAT and received scores for all three subtests: Critical Reading, Math, and Writing.

FARMS=Free and Reduced Priced Meals System.

Table A2  
PSAT Participation and Performance of HCPSS Students in Grades 10 and 11 by High School for School Year 2012-2013

	Grade 10							Grade 11						
	All	N Took PSAT	% Took PSAT	Mean Scores**				All	N Took PSAT	% Took PSAT	Mean Scores**			
				Reading	Math	Writing	Composite				Reading	Math	Writing	Composite
Atholton	355	*	≥95.0	48	48	47	143	362	*	≥95.0	53	53	51	157
Centennial	343	*	≥95.0	50	52	49	151	353	*	≥95.0	55	58	54	167
Glenelg	307	*	≥95.0	49	50	47	146	301	281	93.4	51	53	50	154
Hammond	299	276	92.3	43	41	40	124	292	*	≥95.0	46	45	44	135
Howard	417	*	≥95.0	47	47	45	139	408	378	92.6	49	49	48	146
Long Reach	352	331	94.0	42	41	40	123	311	281	90.4	47	47	46	140
Marriotts Ridge	295	*	≥95.0	50	52	49	151	330	306	92.7	53	55	52	160
Mt. Hebron	382	*	≥95.0	48	48	47	143	343	299	87.2	51	53	50	154
Oakland Mills	257	232	90.3	43	42	40	125	269	238	88.5	46	45	45	136
Reservoir	361	341	94.5	44	44	42	130	329	307	93.3	47	48	46	142
River Hill	338	*	≥95.0	51	53	50	154	323	*	≥95.0	55	57	54	165
Wilde Lake	318	290	91.2	44	43	42	129	304	278	91.4	47	47	46	139

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on October 17, 2012 (PSAT test date). Students enrolled in English for Speakers of Other Languages (ESOL) levels 1 or 2, students eligible to take the Alt- Maryland School Assessment (MSA), and students enrolled in special schools were excluded.

Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively and numerator will be reported as \* to protect student confidentiality.

Due to rounding, the sum of content area mean scores may be greater than or less than the mean composite score.

\*\*Students who took PSAT and received scores for all three subtests: Critical Reading, Math, and Writing.

FARMS=Free and Reduced Priced Meals System.

Table A3  
PSAT Participation of HCPSS Students in Grades 10 and 11 by High School and Race/Ethnicity

High School	Black/African American			Asian			Hispanic			White			Two or More Races		
	N	%		N	%		N	%		N	%		N	%	
	Took	Took		Took	Took		Took	Took		Took	Took		Took	Took	
PSAT	PSAT		PSAT	PSAT		PSAT	PSAT		PSAT	PSAT		PSAT	PSAT		
All	PSAT	PSAT	All	PSAT	PSAT	All	PSAT	PSAT	All	PSAT	PSAT	All	PSAT	PSAT	
Grade 10															
Atholton	68	*	≥95.0	55	*	≥95.0	18	*	≥95.0	200	*	≥95.0	13	12	92.3
Centennial	30	*	≥95.0	108	*	≥95.0	12	*	≥95.0	174	*	≥95.0	19	18	94.7
Glenelg	12	*	≥95.0	22	*	≥95.0	15	*	≥95.0	250	*	≥95.0	8	*	≥95.0
Hammond	119	*	≥95.0	30	*	≥95.0	34	32	94.1	92	85	92.4	23	20	87.0
Howard	88	*	≥95.0	42	*	≥95.0	24	*	≥95.0	223	*	≥95.0	38	36	94.7
Long Reach	100	*	≥95.0	47	*	≥95.0	40	*	≥95.0	128	120	93.8	35	31	88.6
Marriotts Ridge	23	*	≥95.0	67	*	≥95.0	7	7	≥95.0	185	*	≥95.0	13	*	≥95.0
Mt. Hebron	41	*	≥95.0	94	*	≥95.0	25	22	88.0	200	*	≥95.0	21	*	≥95.0
Oakland Mills	113	*	≥95.0	18	*	≥95.0	42	34	81.0	53	48	90.6	30	28	93.3
Reservoir	99	*	≥95.0	44	*	≥95.0	54	*	≥95.0	137	128	93.4	23	21	91.3
River Hill	22	*	≥95.0	80	*	≥95.0	15	14	93.3	206	*	≥95.0	14	13	92.9
Wilde Lake	129	117	90.7	20	17	85.0	38	34	89.5	107	99	92.5	24	*	≥95.0
Grade 11															
Atholton	68	*	≥95.0	64	*	≥95.0	20	*	≥95.0	193	*	≥95.0	15	*	≥95.0
Centennial	16	12	75.0	124	*	≥95.0	18	17	94.4	182	*	≥95.0	13	*	≥95.0
Glenelg	12	*	≥95.0	17	17	≥95.0	11	*	≥95.0	246	229	93.1	15	12	80.0
Hammond	96	91	94.8	25	25	≥95.0	24	*	≥95.0	128	121	94.5	19	18	94.7
Howard	72	65	90.3	34	31	91.2	20	*	≥95.0	240	222	92.5	37	*	≥95.0
Long Reach	88	80	90.9	50	*	≥95.0	37	31	83.8	115	102	88.7	19	18	94.7
Marriotts Ridge	21	19	90.5	66	*	≥95.0	8	*	≥95.0	220	201	91.4	11	*	≥95.0
Mt. Hebron	40	36	90.0	91	*	≥95.0	22	16	72.7	171	141	82.5	15	14	93.3
Oakland Mills	114	95	83.3	10	*	≥95.0	43	39	90.7	88	83	94.3	14	11	78.6
Reservoir	90	81	90.0	28	*	≥95.0	44	40	90.9	151	*	≥95.0	16	15	93.8
River Hill	32	*	≥95.0	80	*	≥95.0	13	*	≥95.0	186	*	≥95.0	12	11	91.7
Wilde Lake	122	104	85.2	22	*	≥95.0	31	28	90.3	104	*	≥95.0	24	*	≥95.0

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on October 17, 2012 (PSAT test date). Students enrolled in English for Speakers of Other Languages (ESOL) levels 1 or 2, students eligible to take the Alt- Maryland School Assessment (MSA), and students enrolled in special schools were excluded.

Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively and numerator will be reported as \* to protect student confidentiality.

\*\*Students who took PSAT and received scores for all three subtests: Critical Reading, Math, and Writing.

FARMS=Free and Reduced Priced Meals System.

Table A4  
PSAT Participation of HCPSS Students in Grades 10 and 11 by High School and Race/Ethnicity

High School	Male			Female			FARMS			Special Education			ESOL		
	All	N Took PSAT	% Took PSAT	All	N Took PSAT	% Took PSAT	All	N Took PSAT	% Took PSAT	All	N Took PSAT	% Took PSAT	All	N Took PSAT	% Took PSAT
<b>Grade 10</b>															
Atholton	173	*	≥95.0	182	*	≥95.0	29	*	≥95.0	21	18	85.7	--	--	--
Centennial	170	*	≥95.0	173	*	≥95.0	29	*	≥95.0	16	15	93.8	--	--	--
Glenelg	160	*	≥95.0	147	*	≥95.0	10	9	90.0	23	21	91.3	--	--	--
Hammond	147	135	91.8	152	141	92.8	79	70	88.6	27	22	81.5	--	--	--
Howard	233	*	≥95.0	184	*	≥95.0	42	*	≥95.0	20	17	85.0	--	--	--
Long Reach	174	163	93.7	178	168	94.4	95	87	91.6	29	23	79.3	--	--	--
Marriotts Ridge	152	150	≥95.0	143	*	≥95.0	14	13	92.9	11	10	90.9	--	--	--
Mt. Hebron	191	181	94.8	191	*	≥95.0	36	30	83.3	27	22	81.5	--	--	--
Oakland Mills	136	119	87.5	121	113	93.4	87	75	86.2	20	14	70.0	--	--	--
Reservoir	195	*	≥95.0	166	*	≥95.0	84	79	94.0	18	16	88.9	--	--	--
River Hill	171	*	≥95.0	167	*	≥95.0	12	11	91.7	14	12	85.7	--	--	--
Wilde Lake	158	145	91.8	160	145	90.6	92	81	88.0	38	30	78.9	--	--	--
<b>Grade 11</b>															
Atholton	182	*	≥95.0	180	*	≥95.0	20	*	≥95.0	18	*	≥95.0	--	--	--
Centennial	177	*	≥95.0	176	*	≥95.0	17	15	88.2	--	--	--	--	--	--
Glenelg	161	150	93.2	140	131	93.6	--	--	--	25	23	92.0	--	--	--
Hammond	145	*	≥95.0	147	139	94.6	57	53	93.0	16	15	93.8	--	--	--
Howard	203	190	93.6	205	188	91.7	43	38	88.4	22	17	77.3	--	--	--
Long Reach	154	142	92.2	157	139	88.5	84	73	86.9	15	13	86.7	--	--	--
Marriotts Ridge	171	159	93.0	159	147	92.5	12	8	66.7	17	16	94.1	--	--	--
Mt. Hebron	156	137	87.8	187	162	86.6	36	31	86.1	--	--	--	--	--	--
≤Oakland Mills	136	116	85.3	133	122	91.7	92	78	84.8	19	13	68.4	--	--	--
Reservoir	191	*	≥95.0	138	123	89.1	65	58	89.2	19	*	≥95.0	--	--	--
River Hill	167	*	≥95.0	156	*	≥95.0	10	9	90.0	13	11	84.6	--	--	--
Wilde Lake	149	138	92.6	155	140	90.3	76	64	84.2	22	18	81.8	--	--	--

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on October 17, 2012 (PSAT test date). Students enrolled in English for Speakers of Other Languages (ESOL) levels 1 or 2, students eligible to take the Alt- Maryland School Assessment (MSA), and students enrolled in special schools were excluded. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively and numerator will be reported as \* to protect student confidentiality.

\*\*Students who took PSAT and received scores for all three subtests: Critical Reading, Math, and Writing.

FARMS=Free and Reduced Priced Meals System.



Table A5  
Mean PSAT Combined Scores (Critical Reading, Math, and Writing) for HCPSS Students in Grades 10 and 11 by  
High School, Race/Ethnicity, Gender, and Special Service Group

High School	Race/Ethnicity					Gender		FARMS	Special Education	ESOL
	BL	AS	HI	WH	MU	Male	Female			
<b>Grade 10</b>										
Atholton	127	155	126	146	147	142	144	119	107	--
Centennial	126	160	149	151	149	154	149	126	114	93
Glenelg	120	164	151	146	140	148	144	120	105	--
Hammond	115	136	113	135	129	124	124	108	90	97
Howard	126	140	132	145	141	139	140	117	115	120
Long Reach	113	131	109	133	120	121	125	108	94	102
Marriotts Ridge	131	161	158	148	164	150	151	121	97	--
Mt. Hebron	123	148	134	147	139	144	143	121	110	92
Oakland Mills	116	143	115	135	142	124	126	113	91	102
Reservoir	119	143	116	136	142	129	131	115	102	86
River Hill	133	168	153	150	161	154	153	124	112	99
Wilde Lake	114	148	122	143	146	127	131	109	101	88
<b>Grade 11</b>										
Atholton	139	168	146	161	152	156	158	129	115	125
Centennial	154	172	162	165	167	167	167	147	121	127
Glenelg	137	172	135	154	162	155	152	132	112	--
Hammond	123	136	127	146	130	131	139	120	97	96
Howard	135	148	136	150	149	145	147	129	119	105
Long Reach	129	143	127	150	151	139	141	121	98	104
Marriotts Ridge	145	168	144	160	158	157	164	127	122	--
Mt. Hebron	141	157	145	159	137	156	153	133	122	116
Oakland Mills	119	141	124	159	140	134	137	121	94	93
Reservoir	130	161	128	148	145	142	142	121	98	114
River Hill	150	179	147	163	151	166	163	135	124	105
Wilde Lake	120	148	125	159	143	136	142	119	109	101

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on October 17, 2012 (PSAT test date). Students enrolled in English for Speakers of Other Languages (ESOL) levels 1 or 2, students eligible to take the Alt- Maryland School Assessment (MSA), and students enrolled in special schools were excluded.

\*\*Students who took PSAT and received scores for all three subtests: Critical Reading, Math, and Writing.

FARMS=Free and Reduced Priced Meals System.

Table A6  
Mean PSAT Scores of HCPSS Students in Grades 10 and 11 by High School and Race/Ethnicity

High School	Black/African American			Asian			Hispanic			White			Two or More Races		
	Read	Math	Write	Read	Math	Write	Read	Math	Write	Read	Math	Write	Read	Math	Write
<b>Grade 10</b>															
Atholton	43	42	42	51	54	51	43	40	42	48	50	48	49	48	50
Centennial	44	41	42	52	57	51	49	50	50	51	51	49	49	51	49
Glenelg	41	40	38	54	59	52	51	49	50	49	50	47	47	46	47
Hammond	40	37	37	46	46	44	39	36	38	46	45	44	45	42	42
Howard	44	41	41	47	49	44	45	45	43	49	49	47	48	48	46
Long Reach	39	37	37	44	46	41	38	37	34	45	44	44	41	40	39
Marriotts Ridge	43	45	42	53	58	51	52	53	53	50	50	48	54	55	55
Mt. Hebron	42	40	41	48	52	48	44	46	44	49	49	49	46	47	45
Oakland Mills	40	39	37	47	50	45	40	38	37	45	46	44	48	48	47
Reservoir	41	39	39	48	49	46	40	38	38	46	46	44	48	47	47
River Hill	44	45	43	55	59	54	51	53	50	50	51	49	54	55	52
Wilde Lake	39	37	38	51	50	47	42	41	40	49	48	46	49	49	47
<b>Grade 11</b>															
Atholton	47	46	47	55	59	53	49	50	47	54	54	53	53	49	49
Centennial	50	50	53	56	61	55	56	55	51	55	56	54	55	58	54
Glenelg	47	46	45	55	61	55	45	47	43	51	53	50	54	55	52
Hammond	41	40	41	44	48	44	44	41	42	49	49	48	45	42	43
Howard	46	44	45	49	51	49	46	46	44	50	51	49	51	50	48
Long Reach	44	41	43	47	50	46	43	42	42	50	51	49	52	49	51
Marriotts Ridge	48	49	47	54	60	53	46	48	50	53	54	53	55	52	51
Mt. Hebron	48	46	48	51	56	51	47	49	49	52	55	52	45	48	44
Oakland Mills	41	40	39	48	49	44	43	40	41	53	53	53	47	47	46
Reservoir	44	43	42	52	55	54	43	43	42	49	51	48	50	48	46
River Hill	49	52	49	59	62	58	49	49	49	54	55	53	50	55	47
Wilde Lake	41	40	39	48	52	47	42	41	42	53	53	53	49	48	46

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on October 17, 2012 (PSAT test date). Students enrolled in English for Speakers of Other Languages (ESOL) levels 1 or 2, students eligible to take the Alt- Maryland School Assessment (MSA), and students enrolled in special schools were excluded.

\*\*Students who took PSAT and received scores for all three subtests: Critical Reading, Math, and Writing.

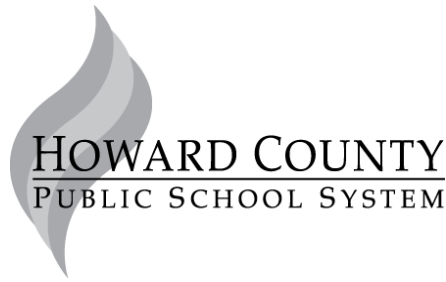
FARMS=Free and Reduced Priced Meals System.

Table A7  
Mean PSAT Scores of HCPSS Students in Grades 10 and 11 by High School and Race/Ethnicity

High School	Male			Female			FARMS			Special Education			ESOL		
	Read	Math	Write	Read	Math	Write	Read	Math	Write	Read	Math	Write	Read	Math	Write
<b>Grade 10</b>															
Atholton	47	49	46	48	47	49	40	40	39	37	37	33	--	--	--
Centennial	51	54	49	49	50	49	43	40	42	42	38	35	34	39	21
Glenelg	50	52	47	48	49	48	42	40	38	37	35	33	--	--	--
Hammond	43	41	40	42	41	41	38	35	35	32	30	28	31	34	32
Howard	47	48	44	47	46	47	40	38	38	41	38	35	39	41	40
Long Reach	41	41	38	42	42	41	38	36	35	34	29	31	34	37	31
Marriotts Ridge	50	53	47	50	50	51	41	41	38	36	31	29	--	--	--
Mt. Hebron	48	50	46	48	47	48	40	40	41	38	34	38	29	32	31
Oakland Mills	42	43	39	43	41	42	39	38	36	33	29	29	31	36	35
Reservoir	43	44	41	45	42	44	39	38	37	35	32	35	31	32	24
River Hill	51	54	49	51	51	51	41	43	41	38	39	35	27	35	37
Wilde Lake	43	43	41	45	43	43	38	35	36	35	32	34	29	30	29
<b>Grade 11</b>															
Atholton	52	54	50	53	52	52	44	42	43	39	38	39	38	51	36
Centennial	54	59	53	56	56	55	48	53	46	41	40	40	41	49	37
Glenelg	52	55	49	51	51	50	45	45	42	40	37	35	--	--	--
Hammond	44	45	42	47	45	47	40	39	40	35	30	32	32	33	30
Howard	48	50	46	50	48	49	44	43	42	40	40	39	41	31	33
Long Reach	46	48	45	48	45	47	41	39	40	35	31	32	35	36	33
Marriotts Ridge	51	55	50	55	54	55	43	42	42	41	41	41	--	--	--
Mt. Hebron	51	55	50	50	51	51	43	48	43	44	40	38	36	46	34
Oakland Mills	45	46	44	46	45	46	41	40	39	34	34	26	32	25	36
Reservoir	47	49	45	48	46	47	41	40	40	34	33	32	34	48	32
River Hill	55	58	53	54	55	54	44	46	45	43	40	41	36	36	33
Wilde Lake	45	47	44	48	47	47	40	40	39	39	35	36	35	30	36

*Note.* Students who took PSAT and received scores for all three subtests (Critical Reading, Math, and Writing) were included in the reporting. Data not available (--).

ESOL = English for Speakers of Other Languages; FARMS = Free and Reduced-price Meals System.



February 12, 2014

**MEMORANDUM**

To: Members of the Board of Education

From: Renee A. Foose, Ed.D.  
Superintendent

Subject: 2014 PSAT Participation Rates and Performance of Howard County Public School System Grade 10 and 11 Students

The purpose of this memo is to provide the 2014 school year PSAT participation rates and performance data for students overall, student groups, and trends over time. These data are from the October 16, 2013 PSAT administration.

**Overview**

The Howard County Public School System (HCPSS) administers the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) to all Grade 10 and 11 students. The PSAT/NMSQT® is a standardized test that measures critical reading, mathematics, and writing skills. It is a timed test consisting of five sections (two 25-minute Critical Reading sections; two 25-minute Math sections; one 30-minute Writing Skills section). Scores on each of the three sections range from 20 to 80, and the composite score ranges from 60 to 240.

HCPSS has elected to provide for a census administration of the PSAT/NMSQT® for several reasons that support students' college readiness. The PSAT can be used as a tool to identify students for rigorous course enrollment through the AP Potential measure from the College Board. The PSAT gives relevant practice in preparation for the SAT college entrance exam. Additionally, the PSAT is an entrance requirement for the competitive National Merit Scholarship program. Finally, research suggests that the PSAT is one indicator of college readiness.<sup>1</sup>

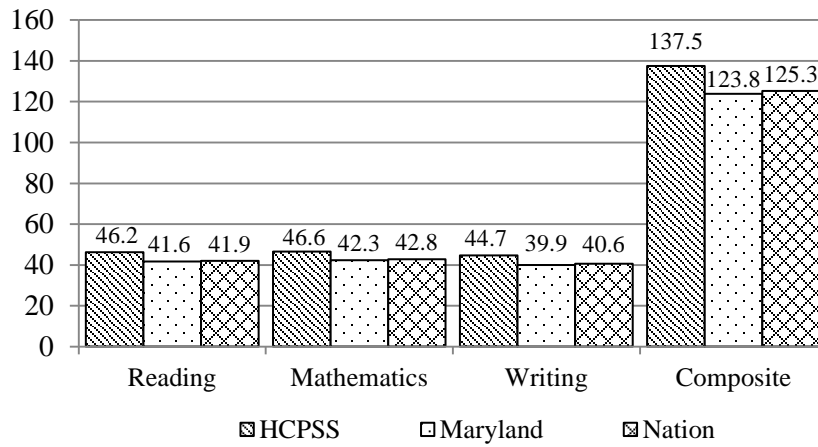
**Results**

HCPSS Grade 10 and Grade 11 students (sophomores and juniors) outperformed the state and nation on the PSAT according to the 2013-2014 College Board PSAT/NMST Summary Report. The average PSAT score for HCPSS Grade 10 students was 137.5, 13.7 points greater than the average for all Maryland students (123.8) and 12.2 points greater than the average for all students nationwide (125.3) (Figure 1). Similarly, the average PSAT score for HCPSS Grade 11 students was 149.5, 11.2 points greater than the average for all Maryland students (138.3) and 9.8 points greater than the average for all students nationwide (139.7) (Figure 2 and Table 1).

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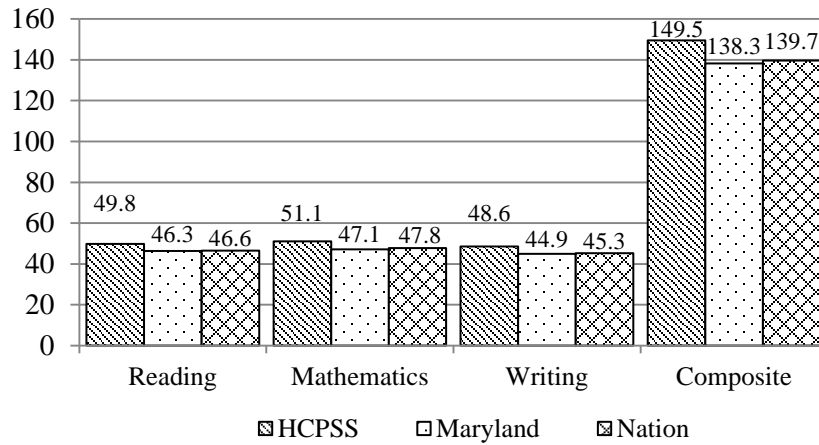
<sup>1</sup> Proctor, T.P, Wyatt, J., & Wiley, A. (2010). *PSAT/NMSQT® Indicators of College Readiness*. College Board Research Report No. 2010-4. New York: College Board.

Figure 1. PSAT Performance of Grade 10 Students  
in HCPSS, Maryland, and the Nation, 2014



*Note. All MD Schools and All US Schools include students who were enrolled in a public, religiously affiliated, independent, or another school type.*

Figure 2. PSAT Performance of Grade 11 Students  
in HCPSS, Maryland, and the Nation, 2014



*Note. All MD Schools and All US Schools include students who were enrolled in a public, religiously affiliated, independent, or another school type.*

Table 1  
HCPSS, Maryland and National PSAT Performance Data for Grades 10 and 11 for 2014

	Reading		Mathematics		Writing		Composite	
	Grade 10	Grade 11	Grade 10	Grade 11	Grade 10	Grade 11	Grade 10	Grade 11
HCPSS	46.2	49.8	46.6	51.1	44.7	48.6	137.5	149.5
Maryland	41.6	46.3	42.3	47.1	39.9	44.9	123.8	138.3
Nation	41.9	46.6	42.8	47.8	40.6	45.3	125.3	139.7

### PSAT Participation and Performance of Grade 10

More than 94 percent of Grade 10 students took the PSAT in the 2014 school year. While overall participation rates were high, gaps between student groups were evident. More than 95 percent of Asian, Two or More Races, and White students participated in the PSAT, compared to 92.1 percent and 89.5 percent of Black/African American and Hispanic students, respectively.

Table 2  
PSAT Participation and Performance (Mean) of HCPSS Students in Grade 10 by Student Group, 2013 and 2014

	N Students		Participation Rate		Performance Reading		Performance Math		Performance Writing		Performance Composite	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
All	4,048	4,175	≥95.0	94.3	46.6	46.2	47.0	46.6	45.1	44.7	138.7	137.5
Black/African American	843	932	92.4	92.1	41.1	40.2	39.2	39.4	39.0	39.0	119.3	118.6
Asian	627	637	≥95.0	≥95.0	50.2	49.6	53.5	53.0	48.6	48.0	152.3	150.6
Hispanic	328	343	93.0	89.5	42.1	41.9	41.2	41.1	40.4	40.3	123.7	123.3
White	1,963	2,018	≥95.0	≥95.0	48.4	48.4	49.0	48.7	47.1	46.8	144.5	143.9
Two or More Races	274	229	93.4	≥95.0	47.2	46.2	46.9	45.7	45.8	44.6	139.9	136.5
FARMS	680	726	89.7	87.9	39.2	38.4	37.5	38.2	37.1	37.1	113.8	113.7
Special Education	271	316	83.4	75.3	36.1	34.4	33.1	35.2	32.9	32.4	102.1	102.0
ESOL	45	46	91.1	91.3	31.4	30.9	35.5	37.9	31.5	31.8	98.4	100.6

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

The mean composite score for Grade 10 students was 137.5. The composite score decreased slightly for students overall (1.2 point decrease) and for student groups from the 2013 to the 2014 school year. Despite minimal change over time, differences between groups that were evident in 2013 continued to persist in 2014. Black/African American and Hispanic students performed lower than their Asian and White peers. The mean composite score for Black/African American students was 32.0 points less than their Asian peers and 25.3 points less than their White peers. The mean composite score for Hispanic students was 27.3 points less than their Asian peers and 20.6 points less than their White peers (Table 2).

### PSAT Participation and Performance of Grade 11

More than 92 percent of Grade 11 students took the PSAT in the 2014 school year. This represents a 1.3 percentage point increase from the Grade 11 participation rate of the previous school year (2013). Participation rates increased for each racial/ethnic student group, though gaps persist between the Black/African American (89.4 percent), Hispanic (90.0 percent), and Two or More Races (92.2 percent) student groups in comparison to their White (93.0 percent) and Asian (more than 95 percent) peers.

The mean composite score for Grade 11 students was 149.5. The composite score decreased slightly for students overall (0.6 point decrease) from the 2013 to the 2014 school year. For racial/ethnic student groups composite scores ranged from 126.9 (Black/African American) to 165.2 (Asian). Gaps between student groups in the mean composite score that were evident in Grade 10 were more pronounced in Grade 11. Specifically, the mean composite score for Black/African American students was 38.3 points less than their Asian peers and 29.0 points less than their White peers. The mean composite score for Hispanic students was 33.0 points less than their Asian peers and 23.7 points less than their White peers (Table 3).

Table 3  
PSAT Participation and Performance (Mean) of HCPSS Students in Grade 11 by Student Group, 2013 and 2014

	N Students		Participation Rate		Performance Reading		Performance Math		Performance Writing		Performance Composite	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
All	4,004	3,941	91.3	92.6	50.1	49.8	51.0	51.1	49.0	48.6	150.1	149.5
Black/African American	794	791	87.2	89.4	43.9	43.0	42.9	42.2	43.0	41.7	129.8	126.9
Asian	622	637	≥95.0	≥95.0	53.0	54.0	57.3	58.7	52.2	52.5	162.5	165.2
Hispanic	303	320	89.4	90.0	44.9	44.5	44.4	44.8	43.7	42.9	133.0	132.2
White	2,048	1,924	91.9	93.0	52.2	51.9	53.1	53.1	51.2	50.9	156.5	155.9
Two or More Races	219	255	91.3	92.2	50.4	50.9	49.7	51.5	47.6	49.8	147.7	152.2
FARMS	586	586	84.6	85.8	41.7	41.1	41.4	41.5	40.6	39.7	123.7	122.3
Special Education	259	273	66.0	71.4	37.7	36.8	35.6	37.2	35.2	35.0	108.5	109.0
ESOL	35	41	91.4	92.7	34.8	32.2	39.3	39.0	34.0	29.8	108.1	101.0

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95 percent or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0 respectively. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

### PSAT College Readiness Performance of Grade 10 and 11 Students

HCPSS has adopted the College Board benchmark scores for each grade level and subtest that indicate that students are on track to be college ready by the time they graduate from high school. The benchmarks are the Grade 10 and 11 PSAT scores that predict, with 65 percent likelihood, that students will meet the Grade 11 PSAT or SAT benchmarks that align with college readiness (Table 4).

Table 4  
College Board PSAT Benchmarks for College Readiness by Grade Level

	Reading	Math	Writing	Composite
Grade 10	49	47	48	145
Grade 11	50	50	49	152

In the 2014 school year, 41.5 percent of Grade 10 students met the Reading benchmark, 47.3 percent met the Math benchmark, 37.8 percent met the Writing benchmark, and 39.9 percent met the Composite Score benchmark. The percent of students meeting the benchmark for Reading increased since the 2013 school year by 2.6 percentage points. The percent of students meeting the Math, Writing, and Composite benchmarks fell by 2.5, 0.8, and 0.6 percentage points, respectively. Gaps between racial/ethnic student groups exist. This gap is largest for the Math benchmark: 70.6 percent of Asian students met the Math benchmark for college readiness, while 19.2 percent of Black/African American and 28.0 percent of Hispanic students met this benchmark (Table 5).

Compared to the percent of Grade 10 students meeting the PSAT benchmarks, the percent of Grade 11 students meeting the benchmarks is higher for each subtest. In 2014, 51.9 percent of Grade 11 students met the Reading benchmark, 51.7 percent met the Math benchmark, 51.6 percent met the Writing benchmark and 47.7 percent met the Composite benchmark. The percent of students meeting the Reading, Writing and Composite benchmarks increased from 2013 to 2014 by 4.1, 3.8 and 0.7 percentage points, respectively. The percent of students meeting the Math benchmark fell by 4.0 percentage points. Similar gaps between student groups were evident, as lower percentages of Black/African American and Hispanic students met the PSAT subtest benchmarks than their Asian and White peers (Table 6).

Table 5  
Percent of HCPSS Students in Grades 10 Meeting College Readiness PSAT Subtest Score Benchmarks\*\* by  
Race/Ethnicity and Special Service Student Groups, 2013 and 2014

	N Took PSAT		Reading		Math		Writing		Composite	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
All	3,847	3,936	38.9	41.5	49.8	47.3	38.6	37.8	40.5	39.9
Black/African American	779	858	17.6	20.0	19.5	19.2	16.2	18.1	14.5	16.2
Asian	618	616	52.1	53.6	71.8	70.6	52.4	49.8	56.6	56.5
Hispanic	305	307	21.3	21.5	26.6	28.0	20.3	21.5	20.0	20.8
White	1,878	1,924	46.3	50.7	58.7	56.0	46.5	45.8	49.4	48.8
Two or More Races	256	218	39.1	39.9	50.8	42.7	39.1	33.9	39.5	34.4
FARMS	610	638	12.3	13	14.8	17.7	10.3	11.1	10.8	11.2
Special Education	226	238	8.0	7.1	9.7	10.5	7.1	6.3	6.6	5.5
ESOL	41	42	≤5.0	≤5.0	7.3	23.8	≤5.0	≤5.0	≤5.0	≤5.0

Note: Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. Percentage rates that are greater than or equal to 95 percent or less than or equal to 5 percent will be reported as ≥95.0 or ≤5.0 respectively to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System

\*\*Benchmarks vary by grade level and subtest. For Grade 10, the benchmarks are: Reading: 49, Math: 47, Writing: 48, and Composite 145.

Table 6  
Percent of HCPSS Students in Grades 11 Meeting College Readiness PSAT Subtest Score Benchmarks\*\* by  
Race/Ethnicity and Special Service Student Groups, 2013 and 2014

	N Took PSAT		Reading		Math		Writing		Composite	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
All	3,656	3,649	47.8	51.9	55.7	51.7	47.8	51.6	47.0	47.7
Black/African American	692	707	22.7	25.2	25.0	18.7	25.6	24.9	20.2	17.4
Asian	596	616	58.1	64.8	74.0	74.4	56.0	63.5	60.6	64.6
Hispanic	271	288	28.0	35.4	32.1	27.8	28.8	29.5	25.1	24.7
White	1,883	1,789	56.9	60.8	65.5	60.9	56.8	61.4	56.2	57.6
Two or More Races	200	235	47.5	52.3	48.0	52.8	42.5	54.0	42.5	48.9
FARMS	496	503	15.7	18.3	21.0	17.1	17.7	18.3	14.7	13.3
Special Education	171	195	8.2	10.8	6.4	10.3	6.4	12.3	4.7	8.9
ESOL	32	38	≤5.0	≤5.0	25.0	13.2	≤5.0	≤5.0	≤5.0	≤5.0

Note: Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. Percentage rates that are greater than or equal to 95 percent or less than or equal to 5 percent will be reported as ≥95.0 or ≤5.0 respectively to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System

\*\*Benchmarks vary by grade level and subtest. For Grade 11, the benchmarks are: Reading: 50, Math: 50, Writing 49, and Composite 152.

### PSAT Participation and Performance by High School

The tables in the Appendix (A1-A4 and B1-B8) provide additional data about PSAT participation and performance by high school for each race/ethnicity and special services student groups.

Copy to:  
Executive Team



Table A1  
PSAT Participation of HCPSS Students in Grades 10 and 11 by Student Group, 2013 and 2014

	Grade 10						Grade 11					
	N Students		N took PSAT		% Took PSAT		N Students		N took PSAT		% Took PSAT	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
All	4,048	4,175	*	3,936	≥95.0	94.3	4,004	3,941	3,656	3,649	91.3	92.6
Male	2,074	2,091	1,967	1,949	94.8	93.2	2,044	1,989	1,866	1,847	91.3	92.9
Female	1,974	2,084	*	*	≥95.0	≥95.0	1,960	1,952	1,790	1,802	91.3	92.3
Black/African American	843	932	779	858	92.4	92.1	794	791	692	707	87.2	89.4
Male	437	456	396	412	90.6	90.4	406	393	344	344	84.7	87.5
Female	406	476	383	446	94.3	93.7	388	398	348	363	89.7	91.2
Asian	627	637	*	*	≥95.0	≥95.0	622	637	*	*	≥95.0	≥95.0
Male	310	315	*	*	≥95.0	≥95.0	322	320	*	*	≥95.0	≥95.0
Female	317	322	*	*	≥95.0	≥95.0	300	317	*	*	≥95.0	≥95.0
Hispanic	328	343	305	307	93.0	89.5	303	320	271	288	89.4	90.0
Male	170	184	160	167	94.1	90.8	163	167	149	150	91.4	89.8
Female	158	159	145	140	91.8	88.1	140	153	122	138	87.1	90.2
White	1,963	2,018	*	*	≥95.0	≥95.0	2,048	1,924	1,883	1,789	91.9	93.0
Male	1,018	1,011	*	949	≥95.0	93.9	1,033	980	954	916	92.4	93.5
Female	945	1,007	*	*	≥95.0	≥95.0	1,015	944	929	873	91.5	92.5
Two or More Races	274	229	256	*	93.4	≥95.0	219	255	200	235	91.3	92.2
Male	129	115	120	*	93.0	≥95.0	110	118	101	*	91.8	≥95.0
Female	145	114	136	108	93.8	94.7	109	137	99	122	90.8	89.1
FARMS	680	726	610	638	89.7	87.9	586	586	496	503	84.6	85.8
Male	361	361	315	311	87.3	86.1	302	305	252	259	83.4	84.9
Female	319	365	295	327	92.5	89.6	284	281	244	244	85.9	86.8
Special Education	271	316	226	238	83.4	75.3	259	273	171	195	66.0	71.4
Male	180	204	158	151	87.8	74.0	169	174	112	133	66.3	76.4
Female	91	112	68	87	74.7	77.7	90	99	59	62	65.6	62.6
ESOL	45	46	41	42	91.1	91.3	35	41	32	38	91.4	92.7
Male	27	25	25	*	92.6	≥95.0	19	26	17	23	89.5	88.5
Female	18	21	16	18	88.9	85.7	16	15	15	*	93.8	≥95.0

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0 respectively and numerator will be reported as \* to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced Priced Meals System.

Table A2  
PSAT Participation of HCPSS Students in Grades 10 and 11 by High School, 2013 and 2014

High School	Grade 10						Grade 11					
	N Students		N Took PSAT		% Took PSAT		N Students		N Took PSAT		% Took PSAT	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
HCPSS	4,048	4,175	*	3,936	≥95.0	94.3	4,004	3,941	3,656	3,649	91.3	92.6
Atholton	354	369	*	*	≥95.0	≥95.0	363	364	*	339	≥95.0	93.1
Centennial	343	337	*	*	≥95.0	≥95.0	354	332	*	*	≥95.0	≥95.0
Glenelg	307	354	*	*	≥95.0	≥95.0	302	293	281	252	93.0	86.0
Hammond	299	322	278	*	93.0	≥95.0	296	267	279	239	94.3	89.5
Homewood	29	43	5	14	17.2	32.6	18	22	3	7	16.7	31.8
Howard	417	456	*	*	≥95.0	≥95.0	416	408	379	386	91.1	94.6
Long Reach	350	348	331	322	94.6	92.5	327	336	281	299	85.9	89.0
Marriotts Ridge	295	296	*	*	≥95.0	≥95.0	333	293	306	*	91.9	≥95.0
Mt. Hebron	381	340	*	*	≥95.0	≥95.0	347	377	300	*	86.5	≥95.0
Oakland Mills	257	266	233	236	90.7	88.7	278	249	241	225	86.7	90.4
Reservoir	359	388	*	353	≥95.0	91.0	331	370	307	341	92.7	92.2
River Hill	338	329	*	*	≥95.0	≥95.0	325	338	*	*	≥95.0	≥95.0
Wilde Lake	319	327	292	300	91.5	91.7	314	292	279	275	88.9	94.2

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0 respectively and numerator will be reported as \* to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded.

Table A3  
PSAT Participation of HCPSS Students in Grades 10 and 11 by High School and Race/Ethnicity, 2014

High School	Black/African American			Asian			Hispanic			White			Two or More Races		
	All	N	%	All	N	%	All	N	%	All	N	%	All	N	%
		Took PSAT	Took PSAT		Took PSAT	Took PSAT		Took PSAT	Took PSAT		Took PSAT	Took PSAT		Took PSAT	Took PSAT
Grade 10 (All)	932	858	92.1	637	*	≥95.0	343	307	89.5	2018	*	≥95.0	229	*	≥95.0
Atholton	67	*	≥95.0	61	*	≥95.0	21	*	≥95.0	199	*	≥95.0	20	18	90.0
Centennial	30	*	≥95.0	117	*	≥95.0	*	*	*	166	*	≥95.0	14	*	≥95.0
Glenelg	19	*	≥95.0	23	*	≥95.0	11	10	90.9	284	*	≥95.0	17	*	≥95.0
Hammond	119	*	≥95.0	30	*	≥95.0	40	*	≥95.0	107	101	94.4	25	*	≥95.0
Homewood	20	8	40.0	*	*	*	*	*	*	19	5	26.3	*	*	*
Howard	84	*	≥95.0	44	*	≥95.0	24	21	87.5	279	*	≥95.0	24	*	≥95.0
Long Reach	140	131	93.6	45	*	≥95.0	46	42	91.3	95	85	89.5	20	18	90.0
Marriotts Ridge	20	*	≥95.0	62	*	≥95.0	13	12	92.3	188	*	≥95.0	13	*	≥95.0
Mt. Hebron	38	34	89.5	84	*	≥95.0	24	21	87.5	178	*	≥95.0	13	*	≥95.0
Oakland Mills	106	95	89.6	15	14	93.3	53	42	79.2	69	64	92.8	22	20	90.9
Reservoir	124	110	88.7	47	42	89.4	49	44	89.8	141	132	93.6	24	*	≥95.0
River Hill	21	*	≥95.0	78	*	≥95.0	15	14	93.3	201	*	≥95.0	13	*	≥95.0
Wilde Lake	144	132	91.7	31	27	87.1	37	34	91.9	92	86	93.5	21	19	90.5
Grade 11 (All)	791	707	89.4	637	*	≥95.0	320	288	90.0	1924	1789	93.0	255	235	92.2
Atholton	68	64	94.1	58	55	94.8	19	16	84.2	204	190	93.1	14	13	92.9
Centennial	30	25	83.3	100	*	≥95.0	12	11	91.7	171	*	≥95.0	19	*	≥95.0
Glenelg	12	10	83.3	22	*	≥95.0	12	*	≥95.0	239	202	84.5	*	*	*
Hammond	101	86	85.1	27	24	88.9	30	27	90.0	79	*	≥95.0	30	26	86.7
Homewood	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howard	76	*	≥95.0	43	*	≥95.0	23	*	≥95.0	226	*	≥95.0	38	33	86.8
Long Reach	93	81	87.1	50	*	≥95.0	39	34	87.2	128	113	88.3	25	22	88.0
Marriotts Ridge	23	*	≥95.0	66	*	≥95.0	*	*	*	184	*	≥95.0	13	12	92.3
Mt. Hebron	28	25	89.3	101	*	≥95.0	26	*	≥95.0	199	187	94.0	21	19	90.5
Oakland Mills	114	100	87.7	18	17	94.4	39	33	84.6	51	48	94.1	26	*	≥95.0
Reservoir	103	94	91.3	48	44	91.7	52	46	88.5	137	129	94.2	26	24	92.3
River Hill	22	*	≥95.0	81	*	≥95.0	17	*	≥95.0	202	*	≥95.0	14	*	≥95.0
Wilde Lake	114	103	90.4	21	*	≥95.0	40	*	≥95.0	97	*	≥95.0	20	*	≥95.0

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0 respectively and numerator will be reported as \* to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

Table A4  
PSAT Participation of HCPSS Students in Grades 10 and 11 by High School by Special Service Student Group, 2014

High School	FARMS			Special Education			ESOL		
	All	N Took PSAT	% Took PSAT	All	N Took PSAT	% Took PSAT	All	N Took PSAT	% Took PSAT
Grade 10 (All)	726	638	87.9	316	238	75.3	46	42	91.3
Atholton	26	*	≥95.0	14	10	71.4	*	*	*
Centennial	30	*	≥95.0	21	16	76.2	*	*	*
Glenelg	14	12	85.7	31	23	74.2	--	--	--
Hammond	95	89	93.7	35	29	82.9	*	*	*
Homewood	18	5	27.8	20	9	45.0	--	--	--
Howard	49	*	≥95.0	37	31	83.8	--	--	--
Long Reach	117	105	89.7	14	12	85.7	*	*	*
Marriotts Ridge	14	12	85.7	*	*	*	--	--	--
Mt. Hebron	47	42	89.4	24	19	79.2	*	*	*
Oakland Mills	109	95	87.2	28	22	78.6	*	*	*
Reservoir	88	73	83.0	29	18	62.1	*	*	*
River Hill	*	*	*	14	12	85.7	*	*	*
Wilde Lake	113	97	85.8	40	30	75.0	*	*	*
Grade 11 (All)	586	503	85.8	273	195	71.4	41	38	92.7
Atholton	29	26	89.7	26	18	69.2	--	--	--
Centennial	27	23	85.2	17	14	82.4	*	*	*
Glenelg	11	10	90.9	24	16	66.7	--	--	--
Hammond	81	71	87.7	28	15	53.6	*	*	*
Homewood	12	3	25.0	*	*	*	*	*	*
Howard	31	*	≥95.0	21	16	76.2	*	*	*
Long Reach	78	67	85.9	21	14	66.7	*	*	*
Marriotts Ridge	15	14	93.3	12	9	75.0	--	--	--
Mt. Hebron	37	32	86.5	25	20	80.0	*	*	*
Oakland Mills	93	77	82.8	24	13	54.2	*	*	*
Reservoir	81	66	81.5	22	15	68.2	*	*	*
River Hill	*	*	*	17	14	82.4	*	*	*
Wilde Lake	82	75	91.5	27	26	96.3	*	*	*

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0 respectively and numerator will be reported as \* to protect student confidentiality. Students enrolled in ESOL Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. FARMS=Free and Reduced Priced Meals System. No data available (--).

Table B1  
PSAT Performance (Mean Subtest Score) of HCPSS Students in Grades 10 and 11 by Student Group by Gender, 2013 and 2014

	Grade 10						Grade 11					
	Reading		Math		Writing		Reading		Math		Writing	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
All	47	46	47	47	45	45	50	50	51	51	49	49
Male	47	45	48	47	44	44	49	49	52	52	48	48
Female	47	47	46	46	46	46	51	51	50	50	50	50
Black/African American	41	40	39	39	39	39	44	43	43	42	43	42
Male	41	39	40	39	38	38	43	42	43	43	41	41
Female	42	41	39	39	40	40	45	44	43	42	45	43
Asian	50	50	54	53	49	48	53	54	57	59	52	52
Male	51	49	55	54	48	47	52	54	58	60	51	52
Female	50	50	52	52	49	49	54	54	57	57	54	53
Hispanic	42	42	41	41	40	40	45	44	44	45	44	43
Male	42	41	42	42	39	39	45	44	45	45	43	42
Female	43	43	40	40	42	41	45	45	43	44	44	44
White	48	48	49	49	47	47	52	52	53	53	51	51
Male	48	48	50	50	46	46	52	51	54	54	50	50
Female	49	49	48	48	48	48	53	53	52	52	52	52
Two or More Races	47	46	47	46	46	45	50	51	50	51	48	50
Male	47	44	47	46	45	42	50	50	52	52	46	49
Female	47	48	46	46	46	47	51	52	47	51	49	51
FARMS	39	38	37	38	37	37	42	41	41	41	41	40
Male	39	38	38	39	37	36	41	40	41	42	39	39
Female	40	39	37	38	38	38	43	42	41	41	42	41
Special Education	36	34	33	35	33	32	38	37	36	37	35	35
Male	37	35	33	36	33	33	38	37	37	38	35	34
Female	35	33	32	34	32	32	38	37	34	36	36	36
ESOL	31	31	35	38	31	32	35	32	39	39	34	30
Male	32	32	37	41	32	32	33	32	39	42	33	30
Female	31	30	34	34	31	31	36	32	40	35	35	29

*Note:* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced Priced Meals System

Table B2  
Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Subtest Score Benchmarks\*\*  
by Student Group by Gender, 2013 and 2014

	Grade 10						Grade 11					
	Reading		Math		Writing		Reading		Math		Writing	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
All	38.9	41.5	49.8	47.3	38.6	37.8	47.8	51.9	55.7	51.7	47.8	51.6
Male	39.0	38.5	53.4	48.9	34.5	33.4	45.8	48.8	57.6	55.0	43.3	48.2
Female	38.8	44.5	45.9	45.6	42.9	42.1	49.9	55.1	53.8	48.4	52.6	55.0
Black/African American	17.6	20.0	19.5	19.2	16.2	18.1	22.7	25.2	25.0	18.7	25.6	24.9
Male	15.9	17.0	22.5	18.4	13.6	12.6	19.5	20.1	24.7	20.6	19.8	22.1
Female	19.3	22.9	16.4	20.0	18.8	23.1	25.9	30.0	25.3	16.8	31.3	27.5
Asian	52.1	53.6	71.8	70.6	52.4	49.8	58.1	64.8	74.0	74.4	56.0	63.5
Male	54.9	52.0	76.1	71.9	49.7	47.7	54.8	62.3	74.8	77.0	50.0	60.7
Female	49.4	55.1	67.6	69.4	55.1	51.9	61.5	67.3	73.1	71.6	62.6	66.3
Hispanic	21.3	21.5	26.6	28.0	20.3	21.5	28.0	35.4	32.1	27.8	28.8	29.5
Male	20.6	17.4	28.8	31.1	15.6	17.4	30.2	33.3	35.6	28.7	28.9	26.7
Female	22.1	26.4	24.1	24.3	25.5	26.4	25.4	37.7	27.9	26.8	28.7	32.6
White	46.3	50.7	58.7	56.0	46.5	45.8	56.9	60.8	65.5	60.9	56.8	61.4
Male	46.8	48.1	62.8	59.2	41.8	41.4	55.5	57.8	67.9	64.7	52.6	57.5
Female	45.7	53.2	54.2	52.9	51.6	50.1	58.3	64.0	63.1	56.8	61.0	65.5
Two or More Races	39.1	39.9	50.8	42.7	39.1	33.9	47.5	52.3	48.0	52.8	42.5	54.0
Male	36.7	31.8	54.2	39.1	33.3	26.4	42.6	48.7	53.5	56.6	38.6	48.7
Female	41.2	48.1	47.8	46.3	44.1	41.7	52.5	55.7	42.4	49.2	46.5	59.0
FARMS	12.3	13.0	14.8	17.7	10.3	11.1	15.7	18.3	21.0	17.1	17.7	18.3
Male	13.0	11.3	16.2	20.3	9.8	9.6	12.7	15.4	20.2	17.4	13.1	15.4
Female	11.5	14.7	13.2	15.3	10.8	12.5	18.9	21.3	21.7	16.8	22.5	21.3
Special Education	8.0	7.1	9.7	10.5	7.1	6.3	8.2	10.8	6.4	10.3	6.4	12.3
Male	8.9	9.3	11.4	15.2	6.3	7.3	6.3	9.8	7.1	12.0	3.6	10.5
Female	5.9	3.4	5.9	2.3	8.8	4.6	11.9	12.9	5.1	6.5	11.9	16.1
ESOL	≤5.0	≤5.0	7.3	23.8	≤5.0	≤5.0	≤5.0	≤5.0	25.0	13.2	≤5.0	≤5.0
Male	≤5.0	≤5.0	8.0	37.5	≤5.0	≤5.0	≤5.0	≤5.0	23.5	17.4	≤5.0	≤5.0
Female	≤5.0	≤5.0	6.3	5.6	≤5.0	≤5.0	≤5.0	≤5.0	26.7	6.7	≤5.0	≤5.0

*Note:* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0 respectively to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced Priced Meals System

\*\*Benchmarks vary by grade level and subtest. For Grade 10, the benchmarks are: Reading: 49, Math: 47, and Writing: 48. For Grade 11, the benchmarks are: Reading: 50, Math: 50, and Writing 49.

Table B3  
PSAT Performance (Mean Subtest Score) of HCPSS Students in Grades 10 and 11 by High School, 2013 and 2014

High School	Grade 10						Grade 11					
	Reading		Math		Writing		Reading		Math		Writing	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
HCPSS	47	46	47	47	45	45	50	50	51	51	49	49
Atholton	48	50	48	49	47	48	53	52	53	52	51	51
Centennial	50	51	52	52	49	50	55	55	58	56	54	54
Glenelg	49	48	50	50	47	47	51	52	53	55	50	51
Hammond	43	43	41	42	40	41	45	44	45	44	44	43
Homewood	36	38	29	34	28	31	41	36	40	32	42	34
Howard	47	46	47	46	45	44	49	50	49	51	48	48
Long Reach	42	42	41	41	40	40	47	45	47	45	46	44
Marriotts Ridge	50	49	52	50	49	48	53	54	55	56	52	52
Mt. Hebron	48	46	48	49	47	45	51	51	53	54	50	51
Oakland Mills	43	41	42	41	40	41	46	45	45	45	45	44
Reservoir	44	43	44	43	42	42	47	46	48	48	46	46
River Hill	51	51	53	52	50	50	55	55	57	57	54	53
Wilde Lake	44	43	43	43	42	41	47	47	47	48	46	46

*Note.* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded.

Table B4  
Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Composite Score Benchmark\*\*  
by High School, 2013 and 2014

High School	Grade 10				Grade 11			
	N Took PSAT		% Met or Exceeded Benchmark (145)		N Took PSAT		% Met or Exceeded Benchmark (152)	
	2013	2014	2013	2014	2013	2014	2013	2014
HCPSS	3,847	3,936	40.5	39.9	3,656	3,649	47.0	47.7
Atholton	345	358	48.1	52.2	347	339	55.3	56.3
Centennial	339	328	54.9	55.8	340	319	67.6	66.5
Glenelg	297	339	53.9	52.2	281	252	54.1	59.1
Hammond	278	308	21.6	23.1	279	239	28.7	26.4
Homewood	*	14	*	14.3	*	*	*	*
Howard	404	443	40.1	36.8	379	386	39.1	45.6
Long Reach	331	322	19.6	20.8	281	299	34.2	27.1
Marriotts Ridge	289	290	56.7	52.8	306	280	62.1	65.7
Mt. Hebron	363	326	47.4	42.9	300	358	52.3	55.6
Oakland Mills	233	236	23.2	23.3	241	225	27.8	27.6
Reservoir	341	353	27.0	24.9	307	341	36.2	33.7
River Hill	330	319	59.4	63.0	313	329	64.5	66.9
Wilde Lake	292	300	27.4	27.3	279	275	33.0	32.7

*Note.* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as  $\geq 95.0$  or  $\leq 5.0$  respectively to protect student confidentiality.

\*\*Composite score benchmarks vary by grade level. For Grade 10, the benchmark is 145 and for Grade 11, the benchmark is 152.



Table B5a  
Mean PSAT Reading Subtest Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Reading Subtest Score  
Benchmarks\*\* by High School by Race/Ethnicity Student Group, 2014

High School	Black/African American		Asian		Hispanic		White		Two or More Races	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	40	20.0	50	53.6	42	21.5	48	50.7	46	39.9
Atholton	43	29.2	55	74.6	47	40.0	51	57.9	52	61.1
Centennial	43	27.6	53	64.0	*	*	51	60.9	54	57.1
Glenelg	45	36.8	54	68.2	52	60.0	48	50.6	47	47.1
Hammond	39	13.3	42	30.0	39	10.5	48	50.5	44	32.0
Homewood	32	12.5	--	--	--	--	47	40.0	*	*
Howard	41	18.3	49	48.8	46	28.6	47	41.2	46	37.5
Long Reach	39	16.8	44	35.6	40	16.7	45	29.4	44	33.3
Marriotts Ridge	47	36.8	49	45.2	52	50.0	49	55.4	49	46.2
Mt. Hebron	44	41.2	45	36.1	42	28.6	48	52.6	43	38.5
Oakland Mills	38	13.7	43	35.7	38	4.8	47	53.1	44	30.0
Reservoir	41	22.7	46	47.6	41	13.6	44	33.3	43	21.7
River Hill	46	42.9	56	76.0	43	35.7	51	61.0	53	61.5
Wilde Lake	38	12.9	45	44.4	39	14.7	50	54.7	43	31.6
Grade 11 (All)	43	25.2	54	64.8	44	35.4	52	60.8	51	52.3
Atholton	46	37.5	56	67.3	46	43.8	53	62.6	55	69.2
Centennial	47	40.0	57	72.7	57	81.8	55	69.7	52	52.6
Glenelg	45	20.0	56	81.8	58	83.3	52	59.9	49	33.3
Hammond	41	18.6	47	37.5	41	25.9	48	52.6	46	30.8
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	46	38.4	51	56.1	47	50.0	51	58.6	51	54.5
Long Reach	43	24.7	47	35.4	40	23.5	48	46.0	45	27.3
Marriotts Ridge	45	18.2	57	84.4	*	*	54	67.4	57	83.3
Mt. Hebron	45	32.0	51	59.0	45	40.0	52	61.5	53	57.9
Oakland Mills	42	22.0	50	52.9	42	30.3	49	47.9	51	57.7
Reservoir	42	18.1	52	56.8	41	17.4	49	48.8	49	45.8
River Hill	49	54.5	59	78.5	51	58.8	54	72.3	56	71.4
Wilde Lake	41	14.6	53	61.9	42	21.1	52	59.1	54	65.0

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as  $\geq 95.0$  or  $\leq 5.0$  respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. No data available (--) \*\*The Reading benchmarks for Grades 10 and 11 are 49 and 50, respectively.

Table B5b

Mean PSAT Reading Subtest Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Reading Subtest Score Benchmarks\*\* by High School by Special Service Student Group and Gender, 2014

High School	FARMS		Special Education		ESOL		Male		Female	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	38	13.0	34	7.1	31	2.4	45	38.5	47	44.5
Atholton	44	40.0	38	20.0	38	≤5.0	49	51.7	51	57.6
Centennial	43	20.7	34	6.3	38	≤5.0	50	58.4	51	58.6
Glenelg	43	41.7	34	≤5.0	--	--	47	46.3	49	56.2
Hammond	38	10.1	32	≤5.0	32	≤5.0	42	25.9	43	31.3
Homewood	29	≤5.0	44	44.4	--	--	34	25.0	40	30.0
Howard	39	14.6	36	≤5.0	--	--	45	36.2	46	37.3
Long Reach	36	≤5.0	31	≤5.0	26	≤5.0	41	21.6	42	25.3
Marriotts Ridge	41	8.3	39	14.3	--	--	48	46.8	50	55.6
Mt. Hebron	39	19.0	34	10.5	27	≤5.0	45	40.7	47	50.0
Oakland Mills	37	9.5	32	≤5.0	27	≤5.0	40	17.7	43	33.9
Reservoir	39	13.7	33	≤5.0	32	≤5.0	43	28.4	44	28.3
River Hill	43	33.3	39	16.7	36	≤5.0	50	56.7	53	67.3
Wilde Lake	37	12.4	33	≤5.0	32	14.3	41	24.8	44	34.5
Grade 11 (All)	41	18.3	37	10.8	32	≤5.0	49	48.8	51	55.1
Atholton	42	11.5	36	≤5.0	--	--	51	51.8	53	63.7
Centennial	46	34.8	41	28.6	34	≤5.0	55	68.5	55	66.9
Glenelg	45	40.0	38	18.8	--	--	52	59.0	52	62.7
Hammond	40	21.1	31	≤5.0	26	≤5.0	44	31.4	45	35.6
Homewood	27	≤5.0	41	20.0	--	0.0	34	0.0	38	25.0
Howard	42	23.3	40	25.0	37	≤5.0	49	48.8	51	59.2
Long Reach	40	14.9	33	≤5.0	33	≤5.0	44	27.7	47	40.5
Marriotts Ridge	43	14.3	35	≤5.0	--	0.0	53	64.8	55	71.0
Mt. Hebron	43	21.9	41	15.0	33	≤5.0	51	56.0	51	57.9
Oakland Mills	41	24.7	37	≤5.0	29	≤5.0	44	30.9	46	39.1
Reservoir	41	12.1	33	6.7	27	≤5.0	44	28.7	48	46.3
River Hill	45	33.3	41	14.3	39	≤5.0	55	71.1	56	72.4
Wilde Lake	40	8.0	36	11.5	33	≤5.0	46	37.0	47	38.5

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. FARMS=Free and Reduced Priced Meals System. No data available (--).

\*\*The Reading benchmarks for Grades 10 and 11 are 49 and 50, respectively.

Table B6a

Mean PSAT Math Subtest Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Math Subtest Score Benchmarks\*\* by High School by Race/Ethnicity Student Group, 2014

High School	Black/African American		Asian		Hispanic		White		Two or More Races	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	39	19.2	53	70.6	41	28.0	49	56.0	46	42.7
Atholton	42	27.7	55	78.0	46	45.0	50	59.0	52	66.7
Centennial	43	27.6	57	82.5	*	*	51	62.1	52	64.3
Glenelg	46	47.4	58	86.4	49	70.0	50	59.4	49	58.8
Hammond	37	12.4	48	50.0	37	13.2	47	50.5	40	20.0
Homewood	27	≤5	--	--	--	--	44	40.0	*	*
Howard	40	19.5	50	58.1	47	52.4	47	48.2	46	41.7
Long Reach	38	16.0	46	46.7	37	7.1	44	34.1	42	27.8
Marriotts Ridge	46	42.1	54	74.2	49	58.3	50	61.4	49	46.2
Mt. Hebron	45	38.2	51	71.1	44	42.9	49	59.5	46	46.2
Oakland Mills	38	15.8	47	50.0	37	11.9	47	54.7	42	35.0
Reservoir	39	18.2	49	50.0	40	25.0	44	42.4	43	26.1
River Hill	46	38.1	59	89.3	47	42.9	51	64.6	54	69.2
Wilde Lake	37	11.4	47	55.6	40	23.5	50	65.1	42	42.1
Grade 11 (All)	42	18.7	59	74.4	45	27.8	53	60.9	51	52.8
Atholton	44	20.3	60	80.0	43	12.5	54	63.7	54	61.5
Centennial	44	36.0	62	83.8	55	63.6	55	66.1	54	52.6
Glenelg	42	20.0	62	81.8	55	58.3	55	65.8	*	*
Hammond	40	14.0	52	54.2	38	11.1	49	46.1	46	30.8
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	45	23.3	52	58.5	46	22.7	53	60.5	50	54.5
Long Reach	41	14.8	50	47.9	40	14.7	47	37.2	46	31.8
Marriotts Ridge	46	36.4	64	90.6	*	*	54	68.0	61	91.7
Mt. Hebron	44	32.0	58	73.0	52	52.0	53	63.1	53	57.9
Oakland Mills	41	13.0	53	64.7	43	15.2	49	45.8	51	46.2
Reservoir	42	10.6	56	70.5	43	21.7	50	48.8	51	45.8
River Hill	50	54.5	64	84.8	52	58.8	56	69.2	58	78.6
Wilde Lake	41	15.5	53	61.9	43	23.7	54	66.7	56	70.0

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0 respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. No data available (--).\*\*The Math benchmarks for Grades 10 and 11 are 47 and 50, respectively.

Table B6b

Mean PSAT Math Subtest Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Math Subtest Score Benchmarks\*\*  
by High School by Special Service Student Group and Gender, 2014

High School	FARMS		Special Education		ESOL		Male		Female	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	38	17.7	35	10.5	38	23.8	47	48.9	46	45.6
Atholton	41	20.0	45	30.0	*	*	51	60.3	48	52.2
Centennial	44	34.5	36	≤5.0	*	*	53	66.9	51	64.8
Glenelg	43	41.7	34	≤5.0	--	--	50	59.9	49	61.7
Hammond	37	12.4	31	6.9	*	*	43	32.3	40	26.0
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	39	18.8	35	6.5	--	--	47	46.9	45	40.7
Long Reach	35	7.6	31	≤5.0	*	*	42	27.0	40	22.4
Marriotts Ridge	38	≤5.0	*	*	--	--	51	62.6	50	61.6
Mt. Hebron	46	52.4	39	26.3	*	*	49	62.8	48	53.9
Oakland Mills	38	13.7	34	13.6	*	*	42	28.2	41	30.4
Reservoir	38	17.8	32	5.6	*	*	43	35.8	42	29.3
River Hill	*	*	43	25.0	*	*	52	66.2	53	69.8
Wilde Lake	37	14.4	34	10.0	*	*	42	31.7	43	37.4
Grade 11 (All)	41	17.1	37	10.3	39	13.2	52	55.0	50	48.4
Atholton	44	15.4	40	11.1	--	--	53	57.1	51	53.8
Centennial	47	34.8	39	21.4	*	*	58	74.7	55	61.8
Glenelg	48	30.0	37	6.3	--	--	55	64.2	54	65.3
Hammond	39	14.1	31	≤5.0	*	*	45	33.9	43	25.4
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	42	20.0	38	18.8	*	*	51	52.1	50	47.9
Long Reach	39	9.0	32	≤5.0	*	*	45	30.5	44	29.1
Marriotts Ridge	44	42.9	36	≤5.0	--	--	57	72.5	55	70.3
Mt. Hebron	50	46.9	41	10.0	*	*	55	64.6	52	60.7
Oakland Mills	41	11.7	34	7.7	*	*	46	33.6	44	22.6
Reservoir	41	15.2	36	6.7	*	*	48	42.0	47	31.9
River Hill	*	*	44	28.6	*	*	59	78.9	56	64.4
Wilde Lake	39	9.3	36	11.5	*	*	49	43.3	47	39.9

Note. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. FARMS=Free and Reduced Priced Meals System. No data available (--).

\*\* The Math benchmarks for Grades 10 and 11 are 47 and 50, respectively.

Table B7a

Mean PSAT Writing Subtest Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Writing Subtest Score Benchmarks\*\* by High School by Race/Ethnicity Student Group, 2014

High School	Black/African American		Asian		Hispanic		White		Two or More Races	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	39	18.1	48	49.8	40	21.5	47	45.8	45	33.9
Atholton	42	26.2	52	55.9	43	30.0	48	50.8	49	55.6
Centennial	42	31.0	52	65.8	*	*	50	56.5	51	64.3
Glenelg	44	31.6	50	68.2	47	50.0	47	48.3	47	41.2
Hammond	37	11.5	40	23.3	37	7.9	46	39.6	42	20.0
Homewood	23	≤5.0	--	--	--	--	41	40.0	*	*
Howard	39	22.0	46	41.9	44	38.1	45	39.7	43	25.0
Long Reach	38	17.6	41	26.7	38	11.9	42	27.1	42	22.2
Marriotts Ridge	46	31.6	49	48.4	51	50.0	47	44.6	47	46.2
Mt. Hebron	43	23.5	45	37.3	42	28.6	47	45.7	38	7.7
Oakland Mills	39	11.6	42	42.9	37	11.9	45	40.6	42	25.0
Reservoir	39	19.1	44	42.9	38	13.6	43	33.3	44	30.4
River Hill	46	42.9	55	70.7	43	28.6	49	55.4	54	69.2
Wilde Lake	37	10.6	43	33.3	40	17.6	48	55.8	41	26.3
Grade 11 (All)	42	24.9	52	63.5	43	29.5	51	61.4	50	54.0
Atholton	45	37.5	53	67.3	45	31.3	52	68.4	55	69.2
Centennial	46	44.0	57	73.7	55	90.9	53	69.1	51	57.9
Glenelg	38	20.0	55	72.7	54	66.7	51	62.9	*	*
Hammond	39	18.6	45	33.3	40	22.2	47	46.1	42	26.9
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	44	31.5	49	43.9	46	36.4	50	57.2	49	48.5
Long Reach	42	23.5	45	41.7	35	11.8	47	46.9	46	36.4
Marriotts Ridge	42	18.2	56	76.6	*	*	52	62.9	58	83.3
Mt. Hebron	43	32.0	51	66.0	46	40.0	52	69.0	51	63.2
Oakland Mills	41	22.0	47	52.9	41	18.2	47	41.7	49	53.8
Reservoir	41	19.1	51	61.4	40	17.4	49	55.0	49	58.3
River Hill	46	45.5	58	74.7	49	52.9	52	68.7	57	78.6
Wilde Lake	41	18.4	48	38.1	41	18.4	51	57.0	53	65.0

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. No data available (--).

\*\*The Writing benchmarks for Grades 10 and 11 are 48 and 49, respectively.

Table B7b

Mean PSAT Writing Subtest Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Writing Subtest Score Benchmarks\*\* by High School by Special Service Student Group and Gender, 2014

High School	FARMS		Special Education		ESOL		Male		Female	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	37	11.1	32	6.3	32	≤5.0	44	33.4	46	42.1
Atholton	43	28.0	37	10.0	*	*	47	43.1	49	49.5
Centennial	40	20.7	35	12.5	*	*	49	56.6	51	59.3
Glenelg	41	25.0	31	≤5.0	--	--	46	42.4	48	54.9
Hammond	35	7.9	31	≤5.0	*	*	40	24.1	41	20.7
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	37	12.5	31	≤5.0	--	--	43	29.5	45	41.1
Long Reach	35	≤5.0	27	≤5.0	*	*	39	18.9	40	22.4
Marriotts Ridge	43	16.7	34	≤5.0	--	--	45	36.0	50	53.0
Mt. Hebron	40	11.9	*	*	*	*	44	34.3	47	43.5
Oakland Mills	37	7.4	32	≤5.0	*	*	39	17.7	42	27.7
Reservoir	38	15.1	32	11.1	*	*	40	21.0	43	32.5
River Hill	*	*	39	16.7	*	*	48	47.8	52	66.7
Wilde Lake	36	11.3	31	6.7	*	*	40	23.6	43	32.4
Grade 11 (All)	40	18.3	35	12.3	30	≤5.0	48	48.2	50	55.0
Atholton	43	26.9	35	≤5.0	--	--	49	54.8	52	66.1
Centennial	45	43.5	39	21.4	*	*	53	67.9	54	69.4
Glenelg	41	30.0	35	6.3	--	--	50	56.7	51	66.9
Hammond	38	11.3	29	≤5.0	*	*	42	32.2	43	28.0
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	40	20.0	38	25.0	*	*	47	43.3	50	55.6
Long Reach	37	11.9	29	≤5.0	*	*	42	27.0	45	41.8
Marriotts Ridge	39	21.4	33	≤5.0	--	--	51	57.7	54	68.8
Mt. Hebron	43	28.1	39	25.0	*	*	50	61.7	51	64.5
Oakland Mills	41	23.4	35	7.7	*	*	43	29.1	44	33.9
Reservoir	40	13.6	33	6.7	*	*	44	34.3	47	48.8
River Hill	*	*	40	28.6	*	*	53	66.3	54	69.9
Wilde Lake	39	12.0	35	15.4	*	*	45	37.8	46	35.1

Note. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. FARMS=Free and Reduced Priced Meals System. No data available (--).

\*\*The Writing benchmarks for Grades 10 and 11 are 48 and 49, respectively.

Table B8a  
Mean PSAT Composite Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Composite Score Benchmark\*\*  
by High School by Race/Ethnicity Student Group, 2014

High School	Black/African American		Asian		Hispanic		White		Two or More Races	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	119	16.2	151	56.5	123	20.8	144	48.8	136	34.4
Atholton	127	27.7	163	76.3	137	38.1	150	53.6	153	61.1
Centennial	129	27.6	161	66.7	*	*	151	52.8	157	57.1
Glenelg	134	42.1	161	77.3	145	50.0	144	51.3	143	47.1
Hammond	112	8.0	131	33.3	113	7.9	141	43.6	125	16
Homewood	82	≤5.0	--	--	--	--	132	40.0	*	*
Howard	120	13.4	145	53.5	137	42.9	139	41.2	134	33.3
Long Reach	115	14.5	132	28.9	115	11.9	131	30.6	128	22.2
Marriotts Ridge	139	42.1	152	58.1	151	50.0	146	52.7	145	46.2
Mt. Hebron	132	23.5	141	41.0	128	28.6	144	50.9	127	23.1
Oakland Mills	115	13.7	132	35.7	112	9.5	140	45.3	128	20.0
Reservoir	120	14.5	140	47.6	119	9.1	132	32.6	130	21.7
River Hill	139	42.9	169	78.7	133	21.4	151	62.6	162	61.5
Wilde Lake	112	9.1	136	37.0	119	14.7	148	55.8	126	31.6
Grade 11 (All)	127	17.4	165	64.6	132	24.7	156	57.6	152	48.9
Atholton	134	29.7	169	69.1	133	25.0	158	63.7	164	69.2
Centennial	137	36.0	176	77.8	167	81.8	164	65.5	157	47.4
Glenelg	125	20.0	172	72.7	167	58.3	157	60.4	*	*
Hammond	120	15.1	144	41.7	118	3.7	143	40.8	134	30.8
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	134	23.3	152	46.3	139	31.8	155	55.3	150	42.4
Long Reach	125	11.1	142	37.5	115	14.7	142	38.1	137	27.3
Marriotts Ridge	132	18.2	177	89.1	*	*	160	62.3	176	83.3
Mt. Hebron	131	28.0	160	60.0	143	40.0	157	58.8	156	57.9
Oakland Mills	124	14.0	150	47.1	126	15.2	146	43.8	151	53.8
Reservoir	124	12.8	159	54.5	123	10.9	147	48.1	148	41.7
River Hill	146	40.9	181	75.9	152	52.9	163	67.2	171	71.4
Wilde Lake	122	7.8	155	52.4	126	13.2	157	58.1	162	60.0

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0 respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. No data available (--).

\*\*The Composite benchmarks for Grades 10 and 11 are 145 and 152 respectively.

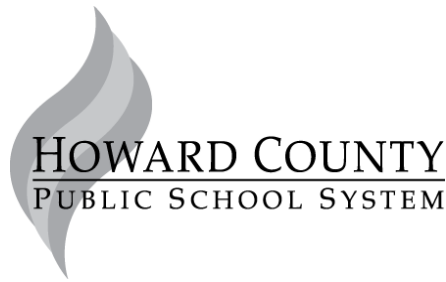
Table B8b  
Mean PSAT Composite Score and Percentage of HCPSS Students in Grades 10 and 11 Meeting College Readiness PSAT Composite Score Benchmark\*\*  
by High School by Special Service Student Group and Gender, 2014

High School	FARMS		Special Education		ESOL		Male		Female	
	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark	Mean Score	% At or Above Benchmark
Grade 10 (All)	114	11.2	102	5.5	101	≤5.0	136	38.1	139	41.6
Atholton	129	28.0	120	20.0	*	*	147	50.6	148	53.8
Centennial	127	26.7	103	≤5.0	*	*	152	56.0	153	55.6
Glenelg	127	33.3	98	≤5.0	--	--	143	50.8	146	53.7
Hammond	110	7.8	94	≤5.0	*	*	125	24.7	125	21.3
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	115	12.5	103	≤5.0	--	--	135	35.7	136	37.7
Long Reach	106	3.8	89	≤5.0	*	*	123	19.6	122	21.8
Marriotts Ridge	122	8.3	111	≤5.0	--	--	144	48.9	150	56.3
Mt. Hebron	125	14.3	108	11.1	*	*	139	41.3	142	44.8
Oakland Mills	112	9.5	102	8.7	*	*	121	19.4	126	27.7
Reservoir	116	12.3	96	5.6	*	*	126	22.2	129	27.2
River Hill	*	*	121	16.7	*	*	150	57.3	158	68.5
Wilde Lake	109	8.2	99	6.7	*	*	124	24.8	130	30.2
Grade 11 (All)	122	13.3	109	8.9	101	≤5.0	149	47.6	150	47.8
Atholton	129	15.4	109	≤5.0	--	--	153	54.2	156	58.5
Centennial	138	30.4	119	23.1	*	*	166	69.1	164	63.7
Glenelg	134	40	110	6.3	--	--	157	56	158	62.7
Hammond	116	9.7	91	≤5.0	*	*	131	29.8	131	22.9
Homewood	*	*	*	*	--	--	*	*	*	*
Howard	124	10	117	18.8	*	*	148	42.9	151	49.1
Long Reach	117	10.4	94	≤5.0	*	*	131	25.5	136	28.5
Marriotts Ridge	126	14.3	104	≤5.0	--	--	161	65.5	164	65.9
Mt. Hebron	134	22.6	120	15.0	*	*	156	57.1	154	54.1
Oakland Mills	123	16.9	105	7.7	*	*	133	26.4	134	28.7
Reservoir	123	9.1	102	7.1	*	*	137	30.9	142	36.9
River Hill	*	*	125	14.3	*	*	166	69.3	165	64.4
Wilde Lake	118	5.3	106	11.5	*	*	140	34.6	140	31.1

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95 or ≤5 respectively to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. No data available (--).

\*\*The Composite benchmarks for Grades 10 and 11 are 145 and 152 respectively.





February 18, 2015

**MEMORANDUM**

To: Members of the Board of Education

From: Renee A. Foose, Ed.D.  
Superintendent

Subject: 2015 PSAT Participation Rates and Performance of Howard County Public School System Grade 10 and 11 Students

The purpose of this memo is to provide the 2015 school year PSAT participation rates and performance data for students overall, student groups, and trends over time. These data are from the October 15, 2014 PSAT administration.

**Overview**

The Howard County Public School System (HCPSS) administers the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) to all Grade 10 and 11 students. The PSAT/NMSQT® is a standardized test that measures critical reading, mathematics, and writing skills. It is a timed test consisting of five sections (two 25-minute Critical Reading sections, two 25-minute Math sections, one 30-minute Writing Skills section). Scores on each of the three sections range from 20 to 80, and the composite score ranges from 60 to 240.

The HCPSS has elected to provide a census administration of the PSAT/NMSQT® for several reasons that support students' college readiness. The PSAT can be used as a tool to identify students for rigorous course enrollment through the AP Potential measure from the College Board. The PSAT gives relevant practice in preparation for the SAT college entrance exam. Additionally, the PSAT is an entrance requirement for the competitive National Merit Scholarship program. Finally, research suggests that the PSAT is one indicator of college readiness.<sup>1</sup>

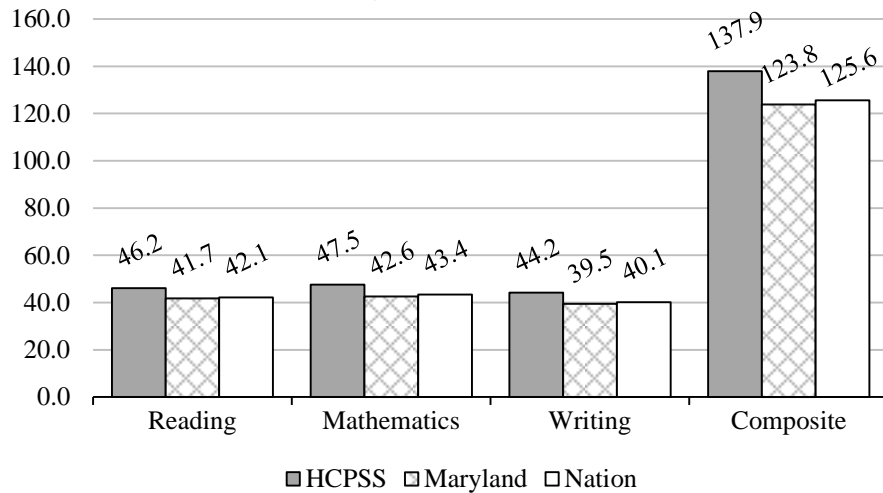
**Results**

HCPSS Grade 10 and Grade 11 students (sophomores and juniors) outperformed the state and nation on the PSAT according to the 2014-2015 College Board PSAT/NMSQT Summary Report. The average PSAT score for HCPSS Grade 10 students was 137.9, 14.1 points greater than the average for all Maryland students (123.8) and 12.3 points greater than the average for all students nationwide (125.6) (Figure 1). Similarly, the average PSAT score for HCPSS Grade 11 students was 150.4, 11.7 points greater than the average for all Maryland students (138.7) and 9.6 points greater than the average for all students nationwide (140.8) (Figure 2 and Table 1).

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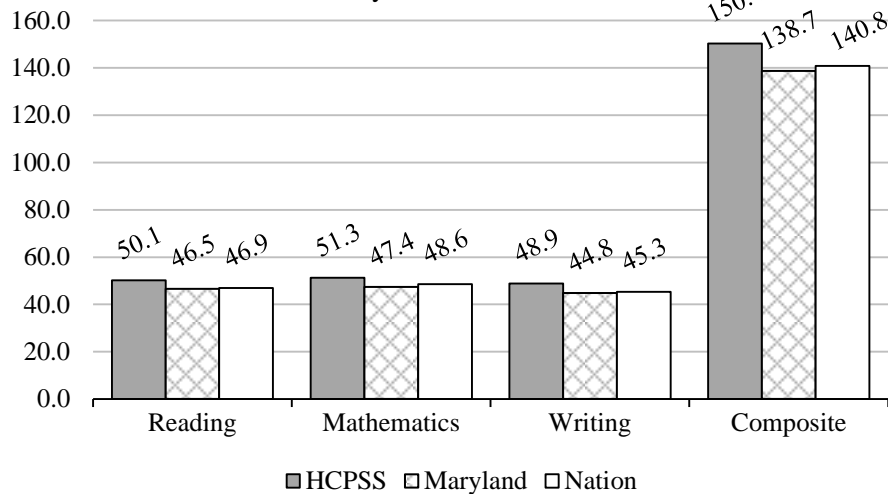
<sup>1</sup> Proctor, T. P., Wyatt, J., & Wiley, A. (2010). *PSAT/NMSQT® indicators of college readiness*. College Board Research Report No. 2010-4. New York: The College Board.

Figure 1. PSAT Performance of Grade 10 Students in the HCPSS, Maryland, and the Nation, 2015



Note. Maryland and national statistics include students who were enrolled in a public, religiously-affiliated, independent, or another school type.

Figure 2. PSAT Performance of Grade 11 Students in the HCPSS, Maryland, and the Nation, 2015



Note. Maryland and national statistics include students who were enrolled in a public, religiously-affiliated, independent, or another school type.

Table 1  
Mean PSAT Performance for Grades 10 and 11 Students in the HCPSS, Maryland, and the Nation, 2015

Region	Reading		Mathematics		Writing		Composite	
	Grade 10	Grade 11	Grade 10	Grade 11	Grade 10	Grade 11	Grade 10	Grade 11
HCPSS	46.2	50.1	47.5	51.3	44.2	48.9	137.9	150.4
Maryland	41.7	46.5	42.6	47.4	39.5	44.8	123.8	138.7
Nation	42.1	46.9	43.4	48.6	40.1	45.3	125.6	140.8

Note. Composite scores are calculated from unrounded values and may vary by 0.1 point from calculations using sums of rounded values.

### PSAT Participation and Performance of Grade 10

More than 95 percent of Grade 10 students took the PSAT in the 2015 school year. While overall participation rates were high, gaps between student groups were evident. More than 95 percent of Asian, Two or More Races, and White students participated in the PSAT, compared to 93.5 percent of Black/African American and Hispanic students (Table 2).

Table 2  
PSAT Participation and Performance (Mean) of HCPSS Grade 10 Students by Student Group, 2014 and 2015

Student Group	N Students		Participation		Reading		Math		Writing		Composite	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
All Grade 10	4,146	3,972	94.9	≥95.0	46.2	46.2	46.6	47.5	44.7	44.2	137.4	137.9
Race/Ethnicity												
Asian	633	698	≥95.0	≥95.0	49.6	50.0	53.0	54.6	48.0	48.6	150.6	153.3
Black/African American	927	940	92.6	93.5	40.2	40.1	39.4	39.3	39.0	37.6	118.6	117.2
Hispanic	339	322	90.3	93.5	41.9	42.1	41.1	41.9	40.3	39.2	123.3	123.2
White	2,004	1,768	≥95.0	≥95.0	48.4	48.5	48.7	50.1	46.8	46.8	143.9	145.4
Two or More Races	229	235	≥95.0	≥95.0	46.2	46.2	45.7	46.2	44.6	43.1	136.5	135.8
Special Services												
FARMS	743	735	88.0	91.4	38.3	37.9	38.2	38.4	37.0	35.6	113.5	112.0
ESOL	35	52	91.4	≥95.0	30.2	30.2	35.5	39.6	31.4	30.0	97.1	99.3
Special Education	286	237	81.8	84.8	34.0	32.8	34.6	33.2	32.1	30.5	100.7	96.5

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 as of September 30. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Composite scores are calculated from unrounded values and may vary by 0.1 point from calculations using sums of rounded values. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

The mean PSAT composite score for Grade 10 students was 137.9 in 2015. The composite score increased slightly for students overall (0.5-point increase) from the 2014 to the 2015 school year. Despite minimal change over time, differences between groups that were evident in 2014 continued to persist in 2015. Black/African American and Hispanic students performed lower than their Asian and White peers. The mean composite score for Black/African American students was 36.1 points less than their Asian peers and 28.2 points less than their White peers. The mean composite score for Hispanic students was 30.1 points less than their Asian peers and 22.2 points less than their White peers (Table 2).

### PSAT Participation and Performance of Grade 11

More than 92 percent of Grade 11 students took the PSAT in the 2015 school year, relatively the same as last year's participation rate (0.2-point decrease from 2014 to 2015). Participation rates were similar from 2014 to 2015 for each racial/ethnic group, though gaps persist between the Black/African American (90.7 percent), Hispanic (88.8 percent), and Two or More Races (92.7 percent) student groups in comparison to their White (92.1 percent) and Asian (more than 95 percent) peers (Table 3).

Table 3  
PSAT Participation and Performance (Mean) of HCPSS Grade 11 Students by Student Group, 2014 and 2015

Student Group	N Students		Participation		Reading		Math		Writing		Composite	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
All Grade 11	3,941	3,999	92.6	92.4	49.8	50.1	51.1	51.3	48.6	48.9	149.6	150.4
Race/Ethnicity												
Asian	637	642	≥95.0	≥95.0	54.0	53.6	58.7	58.1	52.5	53.7	165.1	165.4
Black/African American	792	841	89.4	90.7	43.0	43.8	42.2	43.3	41.7	41.9	126.9	128.9
Hispanic	318	320	89.9	88.8	44.4	46.0	44.8	45.9	42.8	42.9	132.0	134.9
White	1,925	1,959	93.0	92.1	51.9	52.2	53.1	53.3	50.9	51.0	156.0	156.6
Two or More Races	255	220	92.2	92.7	50.9	50.7	51.5	50.8	49.8	49.6	152.2	151.1
Special Services												
FARMS	597	639	85.8	86.1	41.2	41.7	41.5	42.3	39.8	40.0	122.4	123.9
ESOL	38	20	92.1	85.0	32.3	28.5	39.1	36.7	29.3	30.1	100.7	95.2
Special Education	268	267	70.9	71.9	36.7	36.6	37.0	36.6	35.0	34.3	108.8	107.5

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on September 30. Percentage rates that are greater than or equal to 95 percent or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0 respectively. Composite scores are calculated from unrounded values and may vary by 0.1 point from calculations using sums of rounded values. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

The mean PSAT composite score for Grade 11 students was 150.4 in 2015. The composite score increased slightly for students overall (0.8-point increase) from the 2014 to the 2015 school year. By racial/ethnic groups, composite scores ranged from 128.9 (Black/African American) to 165.4 (Asian). Gaps between student groups in the mean composite score that were evident in Grade 10 were more pronounced in Grade 11. Specifically, the mean composite score for Black/African American students was 36.5 points less than their Asian peers and 27.7 points less than their White peers. The mean composite score for Hispanic students was 30.5 points less than their Asian peers and 21.7 points less than their White peers (Table 3).

### PSAT College Readiness Performance of Grade 10 and 11 Students

The HCPSS has adopted the College Board<sup>1</sup> benchmark scores for each grade level and subtest that indicate that students are on track to be college ready by the time they graduate from high school. The benchmarks are the PSAT scores that have been empirically shown to be associated with a 65-percent likelihood that the student would meet a future benchmark. For example, for the Grade 11 PSAT, a composite score of 152 is associated with a 65-percent likelihood of meeting the SAT college readiness benchmark; for the Grade 10 PSAT, a composite score of 145 is associated with a 65-percent likelihood of meeting the Grade 11 PSAT benchmark of 152 (Table 4).

Table 4  
College Board PSAT Benchmarks for College Readiness by Grade Level

PSAT Grade	Reading	Math	Writing	Composite
Grade 10	49	47	48	145
Grade 11	50	50	49	152

*Note.* The G10 PSAT benchmarks are associated with a 65-percent likelihood of meeting the G11 PSAT benchmarks; the G11 PSAT benchmarks are associated with a 65-percent likelihood of meeting the SAT college readiness benchmarks.

In the 2015 school year, 41.4 percent of HCPSS Grade 10 students who took the PSAT met the Reading benchmark, 52.2 percent met the Math benchmark, 39.2 percent met the Writing benchmark, and 41.7 percent met the Composite score benchmark. Except for Reading, the percent of students meeting the PSAT benchmarks increased for each subtest and overall. The one-year increase in students meeting the benchmark in Math was by 4.9 percentage points; for Writing, by 1.4 percentage points; and for the Composite score, by 1.8 percentage points (Table 5).

Gaps between racial/ethnic student groups exist in Grade 10. This gap is largest for the Math benchmark: 72.7 percent of Asian students who took the PSAT met the Math benchmark for college readiness, while 21.5 percent of Black/African American and 28.2 percent of Hispanic students met this benchmark (Table 5).

Table 5  
Percent of HCPSS Grade 10 Students Meeting PSAT Subtest Benchmarks for College Readiness\*\*  
by Race/Ethnicity and Special Service Groups, 2014 and 2015

Student Group	N Took PSAT		Reading		Math		Writing		Composite	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
All Grade 10	3,936	3,795	41.5	41.4	47.3	52.2	37.8	39.2	39.9	41.7
Race/Ethnicity										
Asian	616	688	53.6	55.4	70.6	72.7	49.8	54.8	56.5	57.8
Black/African American	858	879	20.0	17.7	19.2	21.5	18.1	15.6	16.2	14.2
Hispanic	306	301	21.6	24.3	28.1	28.2	21.6	19.6	20.6	23.3
White	1,925	1,693	50.6	50.3	56.0	64.6	45.8	48.8	48.8	52.5
Two or More Races	218	225	39.9	46.7	42.7	50.7	33.9	38.2	34.4	44.4
Special Services										
FARMS	654	672	12.8	10.7	17.6	16.8	11.2	11.2	11.2	10.0
ESOL	32	50	≤5.0	≤5.0	21.9	30.0	≤5.0	≤5.0	≤5.0	≤5.0
Special Education	234	201	6.4	≤5.0	8.5	8.0	6.4	≤5.0	5.1	≤5.0

*Note:* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

\*\*Benchmarks vary by grade level and subtest. For Grade 10, the benchmarks are: Reading: 49, Math: 47, Writing: 48, and Composite 145.

In 2015, 52.2 percent of Grade 11 students who took the PSAT met the Reading benchmark, 53.6 percent met the Math benchmark, 49.9 percent met the Writing benchmark, and 47.6 percent met the Composite benchmark. The percent of students meeting the Reading and Math benchmarks increased from 2014 to 2015 by 0.3 and 1.9 percentage points, respectively. The percent of students meeting the Writing and Composite benchmarks fell by 1.7 and 0.1 percentage points, respectively (Table 6).

Similar gaps between student groups were observed in Grade 11 as in the Grade 10 cohort. Lower percentages of Black/African American and Hispanic students met the PSAT subtest benchmarks compared to their Asian and White peers. This gap is again most apparent in Math, where 70.2 percent of Asian and 62.6 percent of White students met the benchmark, compared to 25.4 percent of Black/African American and 37.3 percent of and Hispanic students, respectively, who met it (Table 6).

Table 6  
Percent of HCPSS Grade 11 Students Meeting PSAT Subtest Benchmarks for College Readiness\*\*  
by Race/Ethnicity and Special Service Groups, 2014 and 2015

Student Group	N Took PSAT		Reading		Math		Writing		Composite	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
All Grade 11	3,649	3,697	51.9	52.2	51.7	53.6	51.6	49.9	47.7	47.6
Race/Ethnicity										
Asian	616	630	64.8	62.9	74.4	70.2	63.5	64.4	64.6	63.5
Black/African American	708	763	25.1	27.3	18.6	25.4	24.9	24.0	17.4	19.4
Hispanic	286	284	35.3	37.0	27.6	37.3	29.4	30.6	24.5	27.1
White	1,790	1,804	60.8	61.6	60.9	62.6	61.5	59.5	57.7	57.8
Two or More Races	235	204	52.3	49.5	52.8	52.0	54.0	45.6	48.9	41.7
Special Services										
FARMS	512	550	18.6	20.5	17.0	20.9	18.6	18.9	13.7	15.1
ESOL	35	17	≤5.0	≤5.0	14.3	11.8	≤5.0	≤5.0	≤5.0	≤5.0
Special Education	190	192	11.1	9.9	9.5	10.9	12.6	11.5	8.9	7.3

*Note:* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

\*\*Benchmarks vary by grade level and subtest. For Grade 11, the benchmarks are: Reading: 50, Math: 50, Writing 49, and Composite 152.

### PSAT Participation and Performance by High School

The tables in the Appendix (Tables A1-A4 and B1-B8) provide additional data about PSAT participation and performance by high school for each race/ethnicity and special services student groups.

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Executive Team

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Table A1

PSAT Participation of HCPSS Students in Grades 10 and 11 by Student Group and Gender, 2014 and 2015

Student Group	Grade 10						Grade 11					
	N Students		n Took PSAT		% Took PSAT		N Students		n Took PSAT		% Took PSAT	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
All	4,146	3,972	3,936	*	94.9	≥95.0	3,941	3,999	3,649	3,697	92.6	92.4
Male	2,073	2,052	1,949	*	94.0	≥95.0	1,989	1,986	1,847	1,838	92.9	92.5
Female	2,073	1,920	*	*	≥95.0	≥95.0	1,952	2,013	1,802	1,859	92.3	92.3
Asian	633	698	*	*	≥95.0	≥95.0	637	642	*	*	≥95.0	≥95.0
Male	311	362	*	*	≥95.0	≥95.0	320	315	*	*	≥95.0	≥95.0
Female	322	336	*	*	≥95.0	≥95.0	317	327	*	*	≥95.0	≥95.0
Black/African Am.	927	940	858	879	92.6	93.5	792	841	708	763	89.4	90.7
Male	454	448	412	414	90.7	92.4	394	408	345	370	87.6	90.7
Female	473	492	446	465	94.3	94.5	398	433	363	393	91.2	90.8
Hispanic/Latino	339	322	306	301	90.3	93.5	318	320	286	284	89.9	88.8
Male	184	152	167	143	90.8	94.1	166	169	149	151	89.8	89.3
Female	155	170	139	158	89.7	92.9	152	151	137	133	90.1	88.1
White	2,004	1,768	*	*	≥95.0	≥95.0	1,925	1,959	1,790	1,804	93.0	92.1
Male	999	937	*	*	≥95.0	≥95.0	980	977	916	903	93.5	92.4
Female	1,005	831	*	*	≥95.0	≥95.0	945	982	874	901	92.5	91.8
Two or More Races	229	235	*	*	≥95.0	≥95.0	255	220	235	204	92.2	92.7
Male	115	145	*	*	≥95.0	≥95.0	118	107	*	99	≥95.0	92.5
Female	114	90	108	*	94.7	≥95.0	137	113	122	105	89.1	92.9
FARMS	743	735	654	672	88.0	91.4	597	639	512	550	85.8	86.1
Male	371	357	320	323	86.3	90.5	308	306	262	262	85.1	85.6
Female	372	378	334	349	89.8	92.3	289	333	250	288	86.5	86.5
ESOL	35	52	32	*	91.4	≥95.0	38	20	35	17	92.1	85.0
Male	20	26	*	*	≥95.0	≥95.0	24	--	21	--	87.5	--
Female	15	26	13	*	86.7	≥95.0	14	--	*	--	≥95.0	--
Special Ed	286	237	234	201	81.8	84.8	268	267	190	192	70.9	71.9
Male	180	167	143	146	79.4	87.4	169	170	128	125	75.7	73.5
Female	106	70	91	55	85.8	78.6	99	97	62	67	62.6	69.1

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, and numerator reported as \* to protect student confidentiality. Groups of fewer than 10 students are not reported (--). Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced Priced Meals System.

Table A2

PSAT Participation of HCPSS Students in Grades 10 and 11 by High School, 2014 and 2015

High School	Grade 10						Grade 11					
	N Students		n Took PSAT		% Took PSAT		N Students		n Took PSAT		% Took PSAT	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
HCPSS	4,146	3,972	3,936	3,795	94.9	≥95.0	3,941	3,999	3,649	3,697	92.6	92.4
Atholton	368	347	*	*	≥95.0	≥95.0	364	359	339	*	93.1	≥95.0
Centennial	336	346	*	*	≥95.0	≥95.0	332	347	*	327	≥95.0	94.2
Glenelg	349	318	*	*	≥95.0	≥95.0	293	354	252	316	86.0	89.3
Hammond	320	298	*	*	≥95.0	≥95.0	267	292	239	271	89.5	92.8
Homewood	43	31	14	11	32.6	35.5	22	39	7	12	31.8	30.8
Howard	452	409	*	*	≥95.0	≥95.0	408	434	386	410	94.6	94.5
Long Reach	348	338	322	309	92.5	91.4	336	326	299	290	89.0	89.0
Marriotts Ridge	295	290	*	*	≥95.0	≥95.0	293	286	*	271	≥95.0	94.8
Mt. Hebron	336	364	*	*	≥95.0	≥95.0	377	343	*	315	≥95.0	91.8
Oakland Mills	263	267	236	250	89.7	93.6	249	248	225	220	90.4	88.7
Reservoir	382	384	353	*	92.4	≥95.0	370	365	341	344	92.2	94.2
River Hill	329	285	*	*	≥95.0	≥95.0	338	322	*	*	≥95.0	≥95.0
Wilde Lake	325	295	300	276	92.3	93.6	292	284	275	267	94.2	94.0

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, and numerator reported as \* to protect student confidentiality. Groups of fewer than 10 students are not reported (--). Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded.



Table A3

## PSAT Participation of HCPSS Students in Grades 10 and 11 by High School and Race/Ethnicity, 2015

High School	Asian			Black/African American			Hispanic/Latino			White			Two or More Races		
	<i>N</i> Students	<i>n</i> Took PSAT	% Took PSAT	<i>N</i> Students	<i>n</i> Took PSAT	% Took PSAT	<i>N</i> Students	<i>n</i> Took PSAT	% Took PSAT	<i>N</i> Students	<i>n</i> Took PSAT	% Took PSAT	<i>N</i> Students	<i>n</i> Took PSAT	% Took PSAT
Grade 10 (All)	698	*	≥95.0	940	879	93.5	322	301	93.5	1,768	*	≥95.0	235	*	≥95.0
Atholton	74	*	≥95.0	73	*	≥95.0	20	17	85.0	161	*	≥95.0	18	*	≥95.0
Centennial	130	*	≥95.0	29	*	≥95.0	18	17	94.4	155	146	94.2	13	12	92.3
Glenelg	28	*	≥95.0	14	*	≥95.0	--	--	--	252	*	≥95.0	14	13	92.9
Hammond	24	*	≥95.0	115	*	≥95.0	32	30	93.8	94	88	93.6	33	*	≥95.0
Homewood	--	--	--	17	7	41.2	--	--	--	--	--	--	--	--	--
Howard	43	*	≥95.0	95	*	≥95.0	31	29	93.5	215	*	≥95.0	25	*	≥95.0
Long Reach	48	*	≥95.0	117	102	87.2	45	*	≥95.0	105	96	91.4	20	*	≥95.0
Marriotts Ridge	78	*	≥95.0	22	*	≥95.0	11	*	≥95.0	168	*	≥95.0	11	*	≥95.0
Mt. Hebron	97	*	≥95.0	60	56	93.3	23	20	87.0	169	*	≥95.0	15	*	≥95.0
Oakland Mills	22	*	≥95.0	111	104	93.7	39	37	94.9	65	60	92.3	28	25	89.3
Reservoir	57	*	≥95.0	124	*	≥95.0	51	*	≥95.0	131	*	≥95.0	21	*	≥95.0
River Hill	81	*	≥95.0	14	*	≥95.0	11	*	≥95.0	168	*	≥95.0	10	9	90.0
Wilde Lake	16	*	≥95.0	149	137	91.9	28	*	≥95.0	77	71	92.2	25	*	≥95.0
Grade 11 (All)	642	*	≥95.0	841	763	90.7	320	284	88.8	1,959	1,804	92.1	220	204	92.7
Atholton	61	*	≥95.0	66	*	≥95.0	21	*	≥95.0	191	181	94.8	19	*	≥95.0
Centennial	121	*	≥95.0	31	28	90.3	--	--	--	174	160	92.0	13	*	≥95.0
Glenelg	26	*	≥95.0	20	*	≥95.0	10	*	≥95.0	280	246	87.9	18	16	88.9
Hammond	30	*	≥95.0	105	95	90.5	34	29	85.3	98	*	≥95.0	24	22	91.7
Homewood	--	--	--	15	3	20.0	--	--	--	17	7	41.2	--	--	--
Howard	42	*	≥95.0	73	*	≥95.0	23	21	91.3	271	254	93.7	24	*	≥95.0
Long Reach	45	*	≥95.0	128	112	87.5	45	36	80.0	90	80	88.9	15	*	≥95.0
Marriotts Ridge	65	*	≥95.0	16	*	≥95.0	13	*	≥95.0	179	167	93.3	13	11	84.6
Mt. Hebron	84	*	≥95.0	40	34	85.0	21	19	90.5	179	163	91.1	16	15	93.8
Oakland Mills	16	*	≥95.0	101	87	86.1	41	37	90.2	69	62	89.9	20	18	90.0
Reservoir	47	*	≥95.0	105	*	≥95.0	53	49	92.5	134	125	93.3	23	*	≥95.0
River Hill	75	*	≥95.0	24	*	≥95.0	14	*	≥95.0	193	183	94.8	15	13	86.7
Wilde Lake	30	*	≥95.0	117	111	94.9	34	26	76.5	84	*	≥95.0	17	16	94.1

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, and numerator reported as \* to protect student confidentiality. Groups of fewer than 10 students are not reported (--). Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

Table A4

## PSAT Participation of HCPSS Students in Grades 10 and 11 by High School by Special Service Group, 2015

High School	FARMS			ESOL			Special Education		
	N Students	n Took PSAT	% Took PSAT	N Students	n Took PSAT	% Took PSAT	N Students	n Took PSAT	% Took PSAT
Grade 10 (All)	735	672	91.4	52	*	≥95.0	237	201	84.8
Atholton	26	22	84.6	--	--	--	24	20	83.3
Centennial	34	32	94.1	--	--	--	12	10	83.3
Glenelg	12	11	91.7	--	--	--	17	16	94.1
Hammond	98	95	96.9	--	--	--	18	17	94.4
Homewood	23	8	34.8	--	--	--	10	4	40.0
Howard	49	*	≥95.0	--	--	--	19	18	94.7
Long Reach	103	91	88.3	13	12	92.3	20	14	70.0
Marriotts Ridge	--	--	--	--	--	--	14	13	92.9
Mt. Hebron	56	50	89.3	12	*	≥95.0	19	16	84.2
Oakland Mills	101	94	93.1	--	--	--	21	18	85.7
Reservoir	114	*	≥95.0	--	--	--	28	24	85.7
River Hill	--	--	--	--	--	--	--	--	--
Wilde Lake	111	104	93.7	10	9	90.0	28	26	92.9
Grade 11 (All)	639	550	86.1	20	17	85.0	267	192	71.9
Atholton	22	19	86.4	--	--	--	17	16	94.1
Centennial	38	31	81.6	--	--	--	22	18	81.8
Glenelg	12	9	75.0	--	--	--	27	16	59.3
Hammond	83	75	90.4	--	--	--	25	21	84.0
Homewood	17	4	23.5	--	--	--	22	8	36.4
Howard	45	42	93.3	--	--	--	29	22	75.9
Long Reach	100	83	83.0	--	--	--	12	8	66.7
Marriotts Ridge	10	8	80.0	--	--	--	10	7	70.0
Mt. Hebron	47	41	87.2	--	--	--	22	13	59.1
Oakland Mills	99	85	85.9	--	--	--	21	14	66.7
Reservoir	69	65	94.2	--	--	--	27	20	74.1
River Hill	--	--	--	--	--	--	--	--	--
Wilde Lake	91	83	91.2	--	--	--	24	21	87.5

*Note.* Participation rate is based on students' enrollment in Grades 10 and 11 on the PSAT test date. Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, and numerator reported as \* to protect student confidentiality. Groups of fewer than 10 students are not reported (--). Students enrolled in ESOL Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. FARMS=Free and Reduced Priced Meals System.

Table B1  
PSAT Performance (Mean Subtest Score) of HCPSS Grades 10 and 11 Students  
by Gender within Racial/Ethnic and Special Service Groups, 2014 and 2015

Student Group	Grade 10						Grade 11					
	Reading		Math		Writing		Reading		Math		Writing	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
All	46	46	47	48	45	44	50	50	51	51	49	49
Male	45	46	47	48	44	43	49	50	52	53	48	48
Female	47	47	46	47	46	45	51	51	50	50	50	50
Asian	50	50	53	55	48	49	54	54	59	58	52	54
Male	49	50	54	56	47	48	54	53	60	60	52	53
Female	50	50	52	53	49	49	54	54	57	56	53	54
Black/African American	40	40	39	39	39	38	43	44	42	43	42	42
Male	39	39	39	39	38	36	42	43	43	44	41	41
Female	41	41	39	40	40	39	44	45	42	43	43	43
Hispanic/Latino	42	42	41	42	40	39	44	46	45	46	43	43
Male	41	42	42	43	39	39	44	45	45	47	42	41
Female	43	42	40	41	41	40	45	47	44	45	44	45
White	48	48	49	50	47	47	52	52	53	53	51	51
Male	48	48	50	51	46	45	51	52	54	55	50	50
Female	49	49	48	49	48	48	53	53	52	52	52	52
Two or More Races	46	46	46	46	45	43	51	51	51	51	50	50
Male	44	46	46	47	42	42	50	49	52	51	49	47
Female	48	47	46	45	47	46	52	52	51	50	51	52
FARMS	38	38	38	38	37	36	41	42	42	42	40	40
Male	38	37	39	39	36	35	40	41	42	43	38	39
Female	39	39	37	38	38	37	42	42	41	41	41	41
ESOL	30	30	36	40	31	30	32	28	39	37	29	30
Male	31	31	38	40	32	31	33	--	42	--	30	--
Female	29	29	32	39	31	29	32	--	35	--	29	--
Special Education	34	33	35	33	32	30	37	37	37	37	35	34
Male	35	33	35	33	32	30	37	37	38	38	34	34
Female	33	33	33	33	32	32	37	35	36	34	36	34

*Note:* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. Results for groups of fewer than 10 students are not reported (--). FARMS=Free and Reduced Priced Meals System.

Table B2  
Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Subtest Benchmarks for College Readiness\*\*  
by Gender within Racial/Ethnic and Special Service Groups, 2014 and 2015

Student Group	Grade 10						Grade 11					
	Reading		Math		Writing		Reading		Math		Writing	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
All	41.5	41.4	47.3	52.3	37.8	39.3	51.9	52.2	51.7	53.6	51.6	49.9
Male	38.5	39.8	48.9	54.7	33.4	36.3	48.7	50.5	54.9	57.1	48.2	46.1
Female	44.5	43.2	45.6	49.6	42.1	42.4	55.2	53.8	48.4	50.2	55.0	53.8
Asian	53.6	55.5	70.6	72.7	49.8	55.0	64.8	62.9	74.4	70.2	63.5	64.4
Male	52.0	55.2	71.9	75.4	47.7	53.7	62.3	63.5	77.0	75.2	60.7	64.2
Female	55.1	55.7	69.4	69.8	51.9	56.3	67.3	62.2	71.6	65.3	66.3	64.7
Black/African American	20.0	17.8	19.2	21.6	18.1	15.7	25.1	27.3	18.6	25.5	24.9	24.0
Male	17.0	13.3	18.4	20.4	12.6	11.2	20.0	23.5	20.6	25.1	22.0	19.7
Female	22.9	21.8	20.0	22.6	23.1	19.6	30.0	30.8	16.8	25.8	27.5	28.0
Hispanic/Latino	21.6	24.3	28.1	28.2	21.6	19.7	35.3	37.0	27.6	37.3	29.4	30.7
Male	17.4	25.9	31.1	32.9	17.4	19.7	33.6	33.8	28.9	42.4	26.8	27.3
Female	26.6	22.8	24.5	24.1	26.6	19.6	37.2	40.6	26.3	31.6	32.1	34.6
White	50.6	50.4	56.0	64.6	45.8	48.8	60.8	61.6	60.9	62.6	61.5	59.5
Male	48.1	47.0	59.2	66.9	41.4	43.9	57.8	60.7	64.7	67.3	57.5	54.9
Female	53.2	54.1	52.9	61.9	50.0	54.3	64.1	62.6	56.9	57.9	65.6	64.0
Two or More Races	39.9	46.9	42.7	50.7	33.9	38.4	52.3	49.5	52.8	52.0	54.0	45.6
Male	31.8	46.8	39.1	49.6	26.4	34.5	48.7	44.4	56.6	50.5	48.7	37.4
Female	48.1	47.1	46.3	52.3	41.7	44.7	55.7	54.3	49.2	53.3	59.0	53.3
FARMS	12.8	10.8	17.6	16.9	11.2	11.3	18.6	20.5	17.0	20.9	18.6	18.9
Male	11.3	9.3	20.3	18.4	9.7	10.1	15.3	19.8	17.2	26.3	15.3	17.6
Female	14.4	12.1	15.0	15.5	12.6	12.3	22.0	21.2	16.8	16.0	22.0	20.1
ESOL	≤5.0	≤5.0	21.9	30.0	≤5.0	≤5.0	≤5.0	≤5.0	14.3	11.8	≤5.0	≤5.0
Male	5.3	≤5.0	31.6	32.0	≤5.0	≤5.0	≤5.0	--	19.0	--	≤5.0	--
Female	≤5.0	≤5.0	7.7	28.0	≤5.0	≤5.0	≤5.0	--	7.1	--	≤5.0	--
Special Education	6.4	≤5.0	8.5	8.0	6.4	≤5.0	11.1	9.9	9.5	10.9	12.6	11.5
Male	7.7	≤5.0	12.6	9.6	7.0	≤5.0	10.9	11.2	11.7	15.2	11.7	11.2
Female	≤5.0	7.3	≤5.0	≤5.0	5.5	7.3	11.3	7.5	≤5.0	≤5.0	14.5	11.9

*Note:* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in special schools were excluded. Percentage rates that are greater than or equal to 95% or less than or equal to 5% will be reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced Priced Meals System

\*\*Benchmarks vary by grade level and subtest. For Grade 10, the benchmarks are: Reading: 49, Math: 47, and Writing: 48. For Grade 11, the benchmarks are: Reading: 50, Math: 50, and Writing: 49.

Table B3

PSAT Performance (Mean Subtest Score) of HCPSS by Grade and High School, 2014 and 2015

High School	Grade 10						Grade 11					
	Reading		Math		Writing		Reading		Math		Writing	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
HCPSS	46	46	47	48	45	44	50	50	51	51	49	49
Atholton	50	48	49	48	48	46	52	53	52	53	51	52
Centennial	51	51	52	54	50	50	55	55	56	57	54	55
Glenelg	48	48	50	51	47	46	52	52	55	54	51	51
Hammond	43	43	42	42	41	40	44	46	44	45	43	43
Homewood	38	33	34	29	31	32	36	34	32	30	34	28
Howard	46	46	46	48	44	45	50	50	51	51	48	49
Long Reach	42	41	41	40	40	39	45	46	45	46	44	44
Marriotts Ridge	49	51	50	54	48	49	54	54	56	56	52	53
Mt. Hebron	46	46	49	50	45	45	51	50	54	53	51	49
Oakland Mills	41	43	41	42	41	39	45	45	45	45	44	43
Reservoir	43	44	43	45	42	41	46	46	48	47	46	44
River Hill	51	52	52	54	50	50	55	56	57	58	53	55
Wilde Lake	43	42	43	43	41	40	47	48	48	47	46	45

*Note.* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded.

Table B4

Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Composite Benchmark for College Readiness\*\*  
by High School, 2014 and 2015

High School	Grade 10				Grade 11			
	<i>n</i> Took PSAT		% Met or Exceeded Benchmark (145)		<i>n</i> Took PSAT		% Met or Exceeded Benchmark (152)	
	2014	2015	2014	2015	2014	2015	2014	2015
HCPSS	3,936	3,795	39.9	41.8	3,649	3,697	47.7	47.6
Atholton	358	337	52.2	43.0	339	344	56.3	56.4
Centennial	328	332	55.8	62.7	319	327	66.5	69.4
Glenelg	339	306	52.2	51.3	252	316	59.1	59.2
Hammond	308	286	23.1	24.5	239	271	26.4	29.5
Homewood	14	11	14.3	≤5.0	--	12	--	≤5.0
Howard	443	402	36.8	44.8	386	410	45.6	43.7
Long Reach	322	309	20.8	17.3	299	290	27.1	30.3
Marriotts Ridge	290	286	52.8	62.2	280	271	65.7	64.2
Mt. Hebron	326	348	42.9	48.1	358	315	55.6	52.5
Oakland Mills	236	250	23.3	24.8	225	220	27.6	25.9
Reservoir	353	374	24.9	29.2	341	344	33.7	28.2
River Hill	319	278	63.0	65.9	329	310	66.9	70.0
Wilde Lake	300	276	27.3	26.4	275	267	32.7	35.0

*Note.* Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. Results for groups of less than 10 students are not reported (--).

\*\*Composite score benchmarks vary by grade level. For Grade 10, the benchmark is 145 and for Grade 11, the benchmark is 152.

Table B5a

Mean PSAT Reading Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Reading Benchmark for College Readiness\*\* by Student Race/Ethnicity within High School, 2015

High School	Asian		Black/African American		Hispanic/Latino		White		Two or More Races	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	50	55.5	40	17.8	42	24.3	48	50.4	46	46.9
Atholton	53	63.5	40	18.6	42	5.9	49	54.1	44	38.9
Centennial	54	68.8	43	35.7	47	41.2	51	59.6	55	75.0
Glenelg	53	67.9	43	21.4	47	50.0	48	49.6	52	76.9
Hammond	42	20.8	40	13.5	41	13.3	47	45.5	45	45.5
Homewood	--	--	28	≤5.0	33	≤5.0	46	66.7	--	--
Howard	48	48.8	42	23.4	43	27.6	48	49.5	47	58.3
Long Reach	42	26.1	39	14.7	40	16.3	44	28.1	39	5.3
Marriotts Ridge	55	78.9	42	31.8	57	81.8	49	54.8	58	81.8
Mt. Hebron	45	37.2	41	26.8	44	40.0	48	49.1	49	60.0
Oakland Mills	47	45.5	39	14.4	40	18.9	48	53.3	42	40.0
Reservoir	45	33.9	41	16.7	39	12.0	47	41.3	41	28.6
River Hill	55	72.5	46	42.9	47	54.5	51	58.6	53	55.6
Wilde Lake	43	43.8	38	11.1	41	22.2	50	50.7	46	41.7
Grade 11 (All)	54	62.9	44	27.3	46	37.0	52	61.6	51	49.5
Atholton	57	78.0	46	33.3	48	28.6	55	69.1	56	68.4
Centennial	58	76.3	47	39.3	52	42.9	55	68.8	61	84.6
Glenelg	57	84.0	47	36.8	52	70.0	51	61.0	53	56.3
Hammond	45	36.7	41	18.9	43	27.6	52	60.6	45	31.8
Homewood	--	--	33	≤5.0	38	≤5.0	33	≤5.0	--	--
Howard	52	61.0	45	25.7	50	66.7	51	56.3	50	37.5
Long Reach	49	44.4	43	25.9	46	38.9	49	48.8	48	33.3
Marriotts Ridge	56	70.3	49	37.5	54	61.5	53	66.5	56	72.7
Mt. Hebron	49	50.0	47	38.2	47	26.3	52	60.1	49	40.0
Oakland Mills	43	26.7	43	25.3	41	24.3	52	56.5	48	38.9
Reservoir	50	52.2	44	27.7	43	30.6	47	41.6	45	31.8
River Hill	59	74.7	49	54.2	49	35.7	55	70.5	60	84.6
Wilde Lake	50	43.3	42	19.8	46	42.3	55	76.8	48	50.0

Note. Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. Results for groups of fewer than 10 students are not reported (--).

\*\*The Reading benchmarks for Grades 10 and 11 are 49 and 50, respectively.

Table B5b

Mean PSAT Reading Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Reading Benchmark for College Readiness\*\* by Special Services and Gender within High School, 2015

High School	FARMS		ESOL		Special Education		Male		Female	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	38	10.8	30	≤5.0	33	≤5.0	46	39.8	47	43.2
Atholton	39	9.1	--	--	34	≤5.0	47	42.6	48	49.7
Centennial	43	34.4	34	16.7	35	10.0	50	57.6	53	64.1
Glenelg	34	9.1	--	--	32	6.3	49	53.4	48	49.0
Hammond	38	6.3	31	≤5.0	34	≤5.0	42	27.1	44	28.2
Homewood	28	≤5.0	--	--	42	50.0	29	≤5.0	45	66.7
Howard	40	19.1	--	--	33	5.6	46	40.3	46	44.8
Long Reach	36	4.4	32	≤5.0	30	≤5.0	40	17.7	42	22.8
Marriotts Ridge	41	12.5	--	--	37	7.7	51	60.1	51	62.9
Mt. Hebron	38	16.0	26	≤5.0	32	6.3	45	42.0	46	42.5
Oakland Mills	38	10.6	34	≤5.0	31	5.6	43	31.3	42	28.1
Reservoir	38	11.0	28	≤5.0	32	≤5.0	42	21.8	45	32.5
River Hill	--	--	21	≤5.0	38	≤5.0	51	57.3	53	66.1
Wilde Lake	38	7.8	31	≤5.0	30	≤5.0	42	27.3	43	26.9
Grade 11 (All)	42	20.5	28	≤5.0	37	9.9	50	50.5	51	53.8
Atholton	41	15.8	20	≤5.0	41	18.8	53	57.9	54	65.3
Centennial	46	32.3	32	≤5.0	39	11.1	55	69.4	55	68.3
Glenelg	46	55.6	--	--	35	6.3	51	59.0	52	64.0
Hammond	41	17.3	35	≤5.0	33	≤5.0	46	35.3	46	39.9
Homewood	35	≤5.0	--	--	37	≤5.0	32	≤5.0	38	0.0
Howard	44	38.1	--	--	38	≤5.0	50	53.2	50	49.1
Long Reach	40	10.8	32	≤5.0	26	≤5.0	47	39.6	46	34.6
Marriotts Ridge	48	37.5	--	--	42	28.6	53	65.2	55	66.2
Mt. Hebron	42	19.5	--	--	33	≤5.0	49	47.1	51	57.9
Oakland Mills	41	16.5	34	≤5.0	37	14.3	44	30.3	47	40.6
Reservoir	41	23.1	24	≤5.0	35	10.0	45	36.5	47	37.3
River Hill	47	40.0	--	--	43	12.5	54	64.8	57	73.5
Wilde Lake	41	18.1	25	≤5.0	39	23.8	47	40.6	48	48.8

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95 or ≤5, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. FARMS=Free and Reduced Priced Meals System. Results for groups of fewer than 10 students are not reported (--).

\*\*The Reading benchmarks for Grades 10 and 11 are 49 and 50, respectively.



Table B6a

Mean PSAT Math Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Math Benchmark for College Readiness\*\* by Race/Ethnicity within High School 2015

High School	Asian		Black/African American		Hispanic/Latino		White		Two or More Races	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	55	72.7	39	21.6	42	28.2	50	64.6	46	50.7
Atholton	54	74.3	40	20.0	41	11.8	49	61.1	45	50.0
Centennial	59	84.4	44	32.1	48	52.9	52	74.7	53	66.7
Glenelg	58	89.3	49	50.0	45	37.5	50	64.5	53	84.6
Hammond	45	33.3	38	15.3	38	10.0	48	58.0	44	36.4
Homewood	--	--	29	≤5.0	33	≤5.0	30	≤5.0	--	--
Howard	52	65.1	41	27.7	44	37.9	50	67.9	46	58.3
Long Reach	43	41.3	37	11.8	38	18.6	43	35.4	40	26.3
Marriotts Ridge	60	85.5	44	36.4	58	81.8	52	67.5	53	63.6
Mt. Hebron	51	63.8	42	33.9	49	60.0	51	70.6	50	73.3
Oakland Mills	48	59.1	38	19.2	39	18.9	49	56.7	41	48.0
Reservoir	51	66.7	40	24.2	40	20.0	49	61.1	44	33.3
River Hill	61	91.3	46	57.1	44	36.4	52	71.2	55	66.7
Wilde Lake	48	50.0	38	14.7	41	25.9	52	69.0	46	48.0
Grade 11 (All)	58	70.2	43	25.5	46	37.3	53	62.6	51	52.0
Atholton	59	74.6	45	23.8	48	42.9	54	61.9	59	78.9
Centennial	63	82.2	47	39.3	57	85.7	56	71.3	57	61.5
Glenelg	61	80.0	52	63.2	51	70.0	54	67.1	56	68.8
Hammond	50	46.7	40	17.9	41	24.1	51	52.1	43	22.7
Homewood	--	--	25	≤5.0	37	≤5.0	31	≤5.0	--	--
Howard	55	58.5	46	32.9	50	52.4	52	54.7	51	54.2
Long Reach	51	46.7	43	25.9	42	19.4	49	47.5	49	40.0
Marriotts Ridge	60	78.1	50	37.5	51	46.2	55	70.7	57	72.7
Mt. Hebron	57	73.2	48	35.3	50	57.9	54	67.5	51	60.0
Oakland Mills	50	46.7	42	17.2	42	18.9	51	56.5	47	38.9
Reservoir	53	50.0	44	27.7	43	26.5	48	43.2	43	22.7
River Hill	65	89.3	48	41.7	54	78.6	57	76.5	60	84.6
Wilde Lake	52	50.0	40	14.5	47	42.3	55	68.3	48	50.0

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. Results for groups of fewer than 10 students are not reported (--).

\*\*The Math benchmarks for Grades 10 and 11 are 47 and 50, respectively.

Table B6b

Mean PSAT Math Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Math Benchmark for College Readiness\*\* by Special Services and Gender within High School, 2015

High School	FARMS		ESOL		Special Education		Male		Female	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	38	16.9	40	30.0	33	8.0	48	54.7	47	49.6
Atholton	39	9.1	--	--	36	10.0	49	54.3	47	50.3
Centennial	48	50.0	45	66.7	40	30.0	55	77.0	53	69.5
Glenelg	36	9.1	--	--	35	6.3	52	73.3	49	57.9
Hammond	37	8.4	32	≤5.0	32	11.8	42	27.7	42	36.6
Homewood	29	≤5.0	--	--	28	≤5.0	29	≤5.0	29	≤5.0
Howard	39	25.5	--	--	31	11.1	48	56.1	47	54.7
Long Reach	36	9.9	35	16.7	31	≤5.0	41	26.2	40	24.1
Marriotts Ridge	43	25.0	--	--	34	≤5.0	55	74.1	52	66.4
Mt. Hebron	43	36.0	43	33.3	37	12.5	51	63.8	49	60.9
Oakland Mills	38	16.0	33	≤5.0	34	16.7	43	43.5	41	26.7
Reservoir	39	15.5	44	33.3	33	≤5.0	45	45.6	45	40.9
River Hill	--	--	49	100.0	35	20.0	55	75.5	52	73.2
Wilde Lake	37	12.6	38	22.2	29	≤5.0	44	38.1	42	31.6
Grade 11 (All)	42	20.9	37	11.8	37	10.9	53	57.1	50	50.2
Atholton	39	10.5	20	≤5.0	42	25.0	54	62.0	52	52.0
Centennial	46	35.5	58	≥95.0	38	11.1	59	73.1	56	71.3
Glenelg	50	55.6	--	--	33	≤5.0	55	68.7	54	67.3
Hammond	40	14.7	35	≤5.0	32	≤5.0	47	40.6	43	27.5
Homewood	32	≤5.0	--	--	32	≤5.0	29	≤5.0	34	≤5.0
Howard	45	31.0	--	--	38	9.1	53	57.0	49	46.4
Long Reach	40	14.5	53	50.0	31	≤5.0	48	38.1	45	32.1
Marriotts Ridge	47	25.0	--	--	40	28.6	57	76.3	54	62.5
Mt. Hebron	50	48.8	--	--	39	15.4	54	66.5	53	62.1
Oakland Mills	41	11.8	38	≤5.0	37	14.3	46	33.6	45	30.7
Reservoir	42	23.1	33	≤5.0	35	10.0	48	40.9	46	31.4
River Hill	53	40.0	--	--	46	25.0	59	80.5	57	74.2
Wilde Lake	40	14.5	31	≤5.0	38	14.3	47	38.4	47	42.2

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95 or ≤5, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. FARMS=Free and Reduced Priced Meals System. Results for groups of fewer than 10 students are not reported (--).

\*\* The Math benchmarks for Grades 10 and 11 are 47 and 50, respectively.

Table B7a

Mean PSAT Writing Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Writing Benchmark for College Readiness\*\* by Race/Ethnicity within High School, 2015

High School	Asian		Black/African American		Hispanic/Latino		White		Two or More Races	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	49	55.0	38	15.7	39	19.7	47	48.8	43	38.4
Atholton	51	64.9	38	18.6	39	≤5.0	47	51.6	44	38.9
Centennial	53	71.9	43	28.6	44	11.8	49	55.5	50	66.7
Glenelg	50	60.7	43	28.6	45	50.0	45	41.3	47	61.5
Hammond	38	20.8	37	14.4	37	6.7	45	42.0	40	24.2
Homewood	--	--	26	≤5.0	--	--	42	66.7	--	--
Howard	49	44.2	40	22.3	40	34.5	47	49.5	45	54.2
Long Reach	38	21.7	37	9.0	36	14.0	42	30.2	40	26.3
Marriotts Ridge	54	72.4	40	22.7	50	63.6	48	54.8	48	54.5
Mt. Hebron	45	39.4	39	19.6	45	40.0	47	51.5	47	50.0
Oakland Mills	44	40.9	35	8.7	36	10.8	47	50.0	41	28.0
Reservoir	44	37.5	37	15.0	38	16.0	45	38.1	36	9.5
River Hill	55	75.9	44	42.9	44	36.4	49	63.2	52	66.7
Wilde Lake	41	25.0	36	12.4	38	14.8	47	49.3	43	36.0
Grade 11 (All)	54	64.4	42	24.0	43	30.7	51	59.5	50	45.6
Atholton	58	74.6	44	28.6	47	42.9	53	65.2	56	73.7
Centennial	59	82.2	46	42.9	53	57.1	55	73.1	62	84.6
Glenelg	56	80.0	48	47.4	51	60.0	51	58.1	53	56.3
Hammond	43	30.0	38	12.6	39	31.0	49	52.1	43	18.2
Homewood	--	--	24	≤5.0	25	≤5.0	30	≤5.0	--	--
Howard	53	53.7	44	31.4	49	52.4	50	52.0	47	29.2
Long Reach	48	42.2	41	23.2	41	19.4	48	40.0	48	46.7
Marriotts Ridge	56	78.1	46	31.3	54	69.2	52	65.9	55	72.7
Mt. Hebron	50	48.8	45	41.2	43	33.3	51	60.7	46	26.7
Oakland Mills	41	33.3	40	16.1	39	18.9	48	53.2	47	38.9
Reservoir	51	63.0	42	21.8	40	16.3	46	40.8	44	27.3
River Hill	60	78.7	48	45.8	45	28.6	55	73.8	59	76.9
Wilde Lake	45	40.0	40	16.2	42	26.9	52	65.9	46	37.5

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. Results for groups of fewer than 10 students are not reported (--).

\*\*The Writing benchmarks for Grades 10 and 11 are 48 and 49, respectively.

Table B7b

Mean PSAT Writing Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Writing Benchmark for College Readiness\*\* by Special Services and Gender within High School, 2015

High School	FARMS		ESOL		Special Education		Male		Female	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	36	11.3	30	≤5.0	30	≤5.0	43	36.3	45	42.4
Atholton	38	13.6	--	--	31	≤5.0	45	42.0	46	47.0
Centennial	42	34.4	34	16.7	34	≤5.0	48	50.3	52	65.3
Glenelg	33	9.1	--	--	32	6.3	45	40.4	47	47.6
Hammond	35	6.3	28	≤5.0	30	≤5.0	39	22.6	42	25.2
Homewood	26	≤5.0	--	--	38	50.0	26	≤5.0	42	66.7
Howard	38	25.5			30	≤5.0	44	37.6	46	47.0
Long Reach	34	≤5.0	29	≤5.0	27	≤5.0	38	17.3	40	21.4
Marriotts Ridge	40	37.5	--	--	30	7.7	48	53.8	50	60.8
Mt. Hebron	38	16.0	31	≤5.0	33	6.3	44	40.2	47	44.5
Oakland Mills	35	8.5	28	≤5.0	31	≤5.0	39	22.6	40	24.4
Reservoir	35	9.2	27	≤5.0	29	≤5.0	39	20.6	42	30.5
River Hill	--	--	24	≤5.0	34	≤5.0	49	62.0	52	67.7
Wilde Lake	35	8.7	31	≤5.0	27	≤5.0	39	23.6	41	26.5
Grade 11 (All)	40	18.9	30	≤5.0	34	11.5	48	46.1	50	53.8
Atholton	40	15.8	26	≤5.0	39	18.8	51	55.6	53	62.4
Centennial	45	38.7	32	≤5.0	38	22.2	54	70.0	56	77.2
Glenelg	45	44.4	--	--	33	12.5	50	51.2	53	68.0
Hammond	38	12.0	28	≤5.0	30	≤5.0	43	32.3	44	29.7
Homewood	26	≤5.0	--	--	29	≤5.0	26	≤5.0	32	≤5.0
Howard	44	26.2	--	--	35	≤5.0	48	45.2	49	49.1
Long Reach	39	14.5	36	≤5.0	29	≤5.0	44	30.6	45	32.1
Marriotts Ridge	45	37.5	--	--	39	14.3	51	60.0	55	74.3
Mt. Hebron	41	29.3	--	--	32	15.4	48	47.3	51	57.9
Oakland Mills	38	11.8	33	≤5.0	31	7.1	41	25.2	45	35.6
Reservoir	40	20.0	24	≤5.0	34	15.0	42	31.4	46	36.2
River Hill	51	40.0	--	--	42	25.0	53	65.4	57	76.2
Wilde Lake	39	15.7	33	≤5.0	35	14.3	43	29.7	46	44.2

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95 or ≤5, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. FARMS=Free and Reduced Priced Meals System. Results for groups of fewer than 10 students are not reported (--).

\*\*The Writing benchmarks for Grades 10 and 11 are 48 and 49, respectively.

Table B8a

Mean PSAT Composite Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Composite Benchmark for College Readiness\*\* by Race/Ethnicity within High School, 2015

High School	Asian		Black/African American		Hispanic/Latino		White		Two or More Races	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	153	58.0	117	14.3	123	23.3	145	52.5	136	44.8
Atholton	158	62.2	119	17.1	122	5.9	145	50.3	133	38.9
Centennial	166	72.7	130	32.1	140	41.2	152	61.0	158	75.0
Glenelg	161	71.4	134	21.4	137	37.5	144	49.6	152	76.9
Hammond	125	20.8	115	11.7	115	10.0	140	45.5	128	27.3
Homewood	--	--	82	≤5.0	--	--	118	≤5.0	--	--
Howard	149	51.2	123	20.2	126	31.0	145	54.7	138	58.3
Long Reach	123	26.1	113	9.0	114	14.0	129	24.0	119	15.8
Marriotts Ridge	168	76.3	127	18.2	164	81.8	148	60.2	160	63.6
Mt. Hebron	142	43.6	122	23.2	138	50.0	147	57.7	150	64.3
Oakland Mills	140	31.8	112	8.7	115	13.5	144	50.0	125	44.0
Reservoir	140	44.6	117	13.3	117	14.0	142	44.4	121	23.8
River Hill	171	78.5	136	42.9	135	36.4	152	63.6	161	77.8
Wilde Lake	132	43.8	112	8.9	120	22.2	149	53.5	136	37.5
Grade 11 (All)	165	63.5	129	19.4	135	27.2	157	57.8	151	41.7
Atholton	174	74.6	134	27.0	143	28.6	162	62.4	171	68.4
Centennial	179	78.8	139	35.7	162	57.1	165	69.4	179	69.2
Glenelg	174	76.0	147	42.1	154	60.0	156	58.9	162	56.3
Hammond	139	33.3	119	10.5	124	20.7	152	52.1	130	18.2
Homewood	--	--	82	≤5.0	99	≤5.0	94	≤5.0	--	--
Howard	160	56.1	134	21.4	149	52.4	152	48.0	147	33.3
Long Reach	148	42.2	127	18.8	129	16.7	146	46.3	145	33.3
Marriotts Ridge	172	73.4	145	31.3	159	53.8	161	65.3	167	54.5
Mt. Hebron	156	52.4	140	32.4	143	33.3	156	60.7	145	33.3
Oakland Mills	134	20.0	124	14.9	122	16.2	151	46.8	142	33.3
Reservoir	154	50.0	130	17.8	126	14.3	141	35.2	132	18.2
River Hill	184	82.7	145	41.7	149	35.7	167	71.0	179	76.9
Wilde Lake	147	46.7	121	9.1	136	26.9	161	67.1	143	37.5

*Note.* Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. Results for groups of fewer than 10 students are not reported (--).

\*\*The Composite benchmarks for Grades 10 and 11 are 145 and 152 respectively.

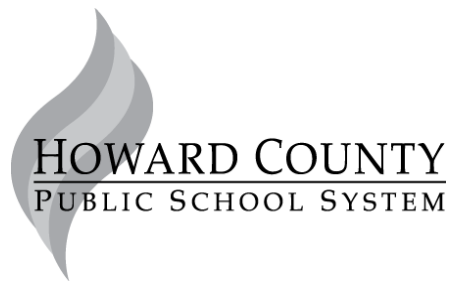
Table B8b

Mean PSAT Composite Score and Percentage of HCPSS Grades 10 and 11 Students Meeting PSAT Composite Benchmark for College Readiness\*\* by Special Services and Gender within High School, 2015

High School	FARMS		ESOL		Special Education		Male		Female	
	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met	Mean	% Met
Grade 10 (All)	112	10.1	99	≤5.0	97	≤5.0	137	41.6	139	42.2
Atholton	116	9.1	--	--	101	≤5.0	141	42.6	141	43.6
Centennial	134	34.4	113	16.7	109	≤5.0	153	60.6	158	64.7
Glenelg	104	9.1	--	--	100	6.3	146	54.7	145	47.6
Hammond	109	6.3	91	≤5.0	96	≤5.0	123	21.9	127	27.5
Homewood	82	≤5.0	--	--	108	≤5.0	83	≤5.0	116	≤5.0
Howard	117	21.3	--	--	95	5.6	138	43.9	139	45.9
Long Reach	106	4.5	96	≤5.0	88	≤5.0	119	14.2	122	20.7
Marriotts Ridge	124	25.0	--	--	101	7.7	154	61.5	153	62.9
Mt. Hebron	119	22.0	100	8.3	101	6.3	140	47.7	142	48.6
Oakland Mills	110	6.4	95	≤5.0	95	5.6	125	30.4	123	20.0
Reservoir	113	8.3	93	≤5.0	94	≤5.0	126	25.9	131	32.0
River Hill	--	--	94	≤5.0	113	≤5.0	155	65.1	157	66.9
Wilde Lake	110	≤5.0	100	≤5.0	86	≤5.0	125	28.8	126	23.9
Grade 11 (All)	124	15.1	95	≤5.0	107	7.3	150	47.2	151	48.0
Atholton	120	15.8	66	≤5.0	121	18.8	159	56.1	158	56.6
Centennial	138	32.3	122	≤5.0	115	5.6	169	70.0	168	68.9
Glenelg	141	44.4	--	--	101	6.3	155	56.6	159	62.0
Hammond	119	12.0	98	≤5.0	94	≤5.0	135	31.6	133	27.5
Homewood	93	≤5.0	--	--	97	≤5.0	87	≤5.0	103	≤5.0
Howard	133	26.2	--	--	111	≤5.0	151	46.8	148	41.1
Long Reach	119	10.8	121	≤5.0	86	≤5.0	138	29.9	135	30.8
Marriotts Ridge	140	25.0	--	--	120	≤5.0	161	65.2	164	63.2
Mt. Hebron	133	24.4	--	--	104	7.7	152	47.9	155	57.9
Oakland Mills	120	7.1	105	≤5.0	105	7.1	131	23.5	136	28.7
Reservoir	123	13.8	81	≤5.0	103	10.0	135	28.9	139	27.6
River Hill	151	40.0	--	--	131	12.5	167	68.6	171	71.5
Wilde Lake	121	9.6	90	≤5.0	112	14.3	137	31.9	142	38.3

Note. Percentage rates that are greater than or equal to 95% or less than or equal to 5% are reported as ≥95 or ≤5, respectively, to protect student confidentiality. Students enrolled in English for Speakers of Other Languages (ESOL) Levels 1 or 2, students eligible to take the Alt-MSA, and students enrolled in Cedar Lane School were excluded. FARMS=Free and Reduced Priced Meals System. Results for groups of fewer than 10 students are not reported (--).

\*\*The Composite benchmarks for Grades 10 and 11 are 145 and 152 respectively.



January 27, 2017

**MEMORANDUM**

To: Members of the Board of Education

From: Renee A. Foose, Ed.D.  
Superintendent

Subject: 2017 PSAT Participation Rates and Performance of Howard County Public School System Grades 9, 10, and 11 Students

The purpose of this memo is to provide school year 2017 PSAT participation rates and performance data for students overall, student groups, and compared to the prior year. Data are from the October PSAT administration each year.

**Overview**

The Howard County Public School System (HCPSS) administers the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) to all Grade 10 and 11 students. Starting 2017, HCPSS also administered the PSAT 8/9 to all Grade 9 students. HCPSS has elected to provide a census administration of the PSAT for several reasons that support students' college readiness: The PSAT can be used as a tool to identify students for rigorous course enrollment through the AP Potential measure from the College Board; the PSAT gives relevant practice in preparation for the SAT college entrance exam; the PSAT is an entrance requirement for the competitive National Merit Scholarship program; and finally, research suggests that the PSAT is one indicator of college readiness.<sup>1</sup>

Starting October 2015 (school year 2016), the College Board began administration of the redesigned PSAT/NMSQT to measure the knowledge and skills essential for college and career readiness and success (College Board, 2015). The College Board redesigned its SAT Suite of Assessments to use a common score scale. This design allows scores on the PSAT and the SAT to be comparable. For example, if a student received a total score of 900 on the PSAT, the same student would be predicted to score a 900 on the SAT if he or she had taken the SAT on that same day. Scores imply the same level of academic achievement on both assessments.

To do well on the SAT Suite of Assessments, the College Board suggests that students should participate in challenging course work, read extensively, develop strong writing skills, and engage in deliberate practice in the three math areas emphasized in its Suite of Assessments (College Board, 2015).

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<sup>1</sup> Proctor, T. P., Wyatt, J., & Wiley, A. (2010). *PSAT/NMSQT® indicators of college readiness*. College Board Research Report No. 2010-4. New York: The College Board.

## Score Structure

The PSAT/NMSQT total score ranges from 320 to 1520 and comprises the Evidence-Based Reading and Writing (ERW) and Math section scores; each section score ranges from 160 to 760. The ERW section combines the Reading test and Writing and Language test scores whereas the Math section is derived from the Math test score. Each test score (Reading, Writing and Language, and Math tests) ranges from 8 to 38. Two cross-test scores are also provided based on student performance on items across the three tests that relate to performance in the areas of Analysis in History/Social Studies and Analysis in Science.

The PSAT 8/9 total score ranges from 240 to 1440 and also comprises the ERW and Math section scores; each section score ranges from 120 to 720. The ERW section combines the Reading test and Writing and Language test scores whereas the Math section is derived from the Math test score. Each test score (Reading, Writing and Language, and Math tests) ranges from 6 to 36. Two cross-test scores are also provided based on student performance on items across the three tests that relate to performance in the areas of Analysis in History/Social Studies and Analysis in Science.

The PSAT 8/9 and PSAT/NMSQT total, section, test, and cross-test scores have been vertically scaled to align with the redesigned SAT. The full score scale that is common across the full SAT Suite of Assessments (from PSAT 8/9 through the SAT) have ranges as displayed in Table 1.

Table 1 Score Scale Ranges of the PSAT 8/9, PSAT/NMSQT, SAT, and Full SAT Suite of Assessments				
	PSAT 8/9	PSAT/NMSQT	SAT	Full SAT Suite of Assessments
Total	240 to 1440	320 to 1520	400 to 1600	240 to 1600
Section	120 to 720	160 to 760	200 to 800	120 to 800
Test	6 to 36	8 to 38	10 to 40	6 to 40
Cross-test	6 to 36	8 to 38	10 to 40	6 to 40

## PSAT/NMSQT Scores and College and Career Readiness

With the redesigned SAT Suite of Assessments, the College Board considers students as college and career ready when they meet *both* the ERW and Math section benchmark scores; the College Board does not provide a college and career ready benchmark for the total score<sup>2</sup>. Using concordance tables provided by the College Board, the existing HCPSS benchmarks for college and career readiness as measured by the old PSAT are presented with their corresponding redesigned PSAT section scores in Table 2. The old PSAT college readiness benchmarks were empirically derived by the College Board<sup>1</sup> and used in internal analyses that indicated HCPSS students who met these old PSAT benchmark scores were more likely to earn a combined old SAT score of 1650 than students who did not. These benchmarks have been used by school staff to inform students' progress toward being college and career ready by Grade 12. Thus, in this memorandum, the benchmark scores displayed in Table 2 are used as preliminary benchmarks in the HCPSS to indicate college readiness in Grades 10 and 11<sup>3</sup>. As students' performance in later grades and

<sup>2</sup> <https://collegereadiness.collegeboard.org/about/scores/benchmarks>

<sup>3</sup> The College Board redesigned PSAT grade-level benchmarks for college and career readiness in Grades 10 and 11 are 430 and 460, respectively, for the ERW section score; and 480 and 510, respectively, for the Math section score. The College Board uses a 75-percent likelihood that the student would achieve a C-average or higher in first-year, credit-bearing college courses to determine these benchmark scores.



postsecondary outcomes become available, internal analyses will be conducted to review whether these preliminary redesigned PSAT college and career readiness benchmarks should be adjusted.

Table 2  
HCPSS College and Career Readiness Benchmarks as Measured by the PSAT/NMSQT:  
Comparing Old PSAT to Redesigned PSAT Section Benchmark Scores

	Old PSAT		Redesigned PSAT			
			HCPSS: Concorded Old to New Scores		College Board Proposed Benchmark Scores	
	Critical Reading + Writing	Math	Evidence-Based Reading and Writing	Math	Evidence-Based Reading and Writing	Math
Grade 10	97	47	540	510	430	480
Grade 11	99	50	550	530	460	510

In the old PSAT, the College Board used a 65-percent likelihood that students would achieve a B minus or higher in first-year, credit-bearing college courses to determine the old benchmark scores. With the Redesigned PSAT, the College Board now uses a 75-percent likelihood that the student would achieve a C-average or higher in first-year, credit-bearing college courses to determine these benchmark scores. The College Board will conduct an additional benchmark study after students who have taken the redesigned SAT have earned college course grades in SY2018.

## Results Overall

Table 3 below displays HCPSS students' participation and performance on the redesigned PSAT. Over 90 percent of all Grades 9, 10, and 11 students took the PSAT in 2017. The mean ERW section score is 472 for Grade 9, 507 for Grade 10, and 545 for Grade 11 students. The mean Math section score is 468 for Grade 9, 500 for Grade 10, and 539 for Grade 11 students. The total mean score is 940 for Grade 9, 1006 for Grade 10 students, and 1084 for Grade 11 students.

Compared to 2016, the PSAT total score for Grade 10 students in 2017 decreased by 3 points from 1009 to 1006. The ERW section score in 2017 at 507 points is similar to the 2016 score of 506; whereas the Math section score decreased by 3 points from 503 to 500 points.

Compared to 2016, the PSAT total score for Grade 11 students in 2017 increased by 16 points from 1068 to 1084. The ERW section score increased by 12 points from 533 to 545 points; and the Math section score increased by 4 points from 535 to 539 points.

Table 3  
HCPSS PSAT Participation and Performance (Mean Scores), 2016 and 2017

Grade	N Enrolled		n Took PSAT		Percent Took			Total Score			ERW Section			Math Section		
	2016	2017	2016	2017	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg
G9	-	4,489	-	4,264	-	≥95.0	-	-	940	-	-	472	-	-	468	-
G10	4,116	4,097	3,907	*	94.9	≥95.0	≥0.1	1009	1006	-3	506	507	1	503	500	-3
G11	3,800	3,940	3,588	3,683	94.4	93.5	-0.9	1068	1084	16	533	545	12	535	539	4

*Note.* Data reflect enrollment as of PSAT administration date of each year. Non-diploma bound students and ESOL students at English proficiency levels 1 and 2 were excluded. PSAT was administered to all Grade 9 students beginning in 2017 and thus no results are reported for 2016.

Table A1 in the appendix provides PSAT overall performance by high school.

## Results by Grade

Table 4 displays Grade 9 students' participation and performance on the PSAT overall and by student group. Overall, about 95 percent of all Grade 9 students took the PSAT in 2017 with an average PSAT total score of 940, with female students (954 points) outperforming male students (927 points). By race/ethnicity, participation rates ranged from 87.9 percent for Hispanic students to over 92 percent for all other racial/ethnic groups. ERW section scores ranged from 416 and 420 points for Black/African American and Hispanic students, respectively; to 513 points for Asian students. Math section scores ranged from 406 points for Black/African American students to 524 points for Asian students.

For students receiving special services in Grade 9, PSAT participation rate was 75.3 percent for students who receive English Speakers of Other Languages (ESOL) services, 85.3 percent for students who receive special education, and 89.1 percent for students who receive Free and Reduced Meals (FARMS) services. PSAT total scores for students who receive FARMS was 798; for students who receive ESOL it was 731; and for students who receive special education it was 721.

Table 4  
HCPSS PSAT Participation and Performance of by Student Group: Grade 9, 2017

Student Group	N Enrolled	% Particip.	Total	ERW	Math
All Grade 9	4,489	95.0	940	472	468
Female	2,235	≥95.0	954	486	468
Male	2,254	94.4	927	458	469
Race/Ethnicity					
Asian	893	≥95.0	1037	513	524
Black/African American	1,103	92.7	822	416	406
Hispanic	456	87.9	834	420	414
White	1,757	≥95.0	988	497	491
Two or More Races	270	92.6	932	473	459
Special Service					
FARMS	949	89.1	798	401	397
ESOL	146	75.3	731	352	379
Special Education	354	85.3	721	359	362

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Non-diploma bound students and ESOL students at English proficiency levels 1 and 2 were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

Table 5 displays Grade 10 students' participation and performance on the PSAT overall and by student group. Overall, more than 95 percent of all Grade 10 students took the PSAT in 2017 with an average PSAT total score of 1006—three points lower than the 2016 mean score. Female students increased performance by 3 points in 2017 compared to their peers in 2016 (from 1016 to 1019 points), whereas male students decreased performance by 9 points (from 1003 to 994 points).

Participation rates increased or remained similar from 2016 to 2017 for all racial/ethnic groups. Participation rates in 2017 ranged from 92.3 and 93.6 percent for Black/African and Hispanic students, respectively, to over 95 percent for Asian, White, and Two or More Races students. Overall performance decreased for Two or More Races students in 2017 compared to 2016, but remained stable or increased for all other racial/ethnic groups. In 2017, ERW section scores ranged from 448 points for Black/African American student to 552 points for Asian students. Math section scores ranged from 432 for Black/African American students to 568 for Asian students.

At 87.5 percent or higher, all three special service groups increased in PSAT participation rates in 2017 compared to 2016; however, each group decreased in performance in 2017 compared to their peers in 2016.

Table 5  
HCPSS PSAT Participation and Performance (Mean Score) by Student Group: Grade 10, 2016 and 2017

Student Group	N Enrolled		% Participation			Total			ERW			Math		
	2016	2017	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg
All Grade 10	4,116	4,097	94.9	≥95.0	≥0.1	1009	1006	-3	506	507	1	503	500	-3
Female	1,984	2,023	≥95.0	≥95.0	±0.0	1016	1019	3	517	518	1	500	500	0
Male	2,132	2,074	94.5	≥95.0	≥0.5	1003	994	-9	496	495	-1	507	499	-8
Race/Ethnicity														
Asian	774	773	≥95.0	≥95.0	±0.0	1112	1120	8	545	552	7	567	568	1
Black/Afr. Am.	911	972	92.9	92.3	-0.6	879	879	0	445	448	3	434	432	-2
Hispanic	360	406	88.9	93.6	4.7	889	893	4	451	452	1	439	441	2
White	1,836	1,676	≥95.0	≥95.0	±0.0	1046	1047	1	527	529	2	519	518	-1
Two or More	225	263	≥95.0	≥95.0	±0.0	1042	1023	-19	527	520	-7	515	503	-12
Special Service														
FARMS	733	745	89.1	90.3	1.2	856	849	-7	429	426	-3	427	423	-4
ESOL	118	87	82.2	≥95.0	≥7.8	811	773	-38	385	373	-12	426	400	-26
Special Ed.	151	256	76.8	87.5	10.7	798	786	-12	396	393	-3	402	393	-9

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Non-diploma bound students and ESOL students at English proficiency levels 1 and 2 were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

Table 6 displays Grade 11 students' participation and performance on the PSAT overall and by student group. Overall, more than 93 percent of all Grade 11 students took the PSAT in 2017 with an average PSAT total score of 1084—16 points higher than the 2016 mean score. Female students increased performance by 26 points in 2017 compared to their peers in 2016 (from 1064 to 1090 points), and male students increased performance by 5 points (from 1073 to 1078 points).

By race/ethnicity, participation rates exceeded 90 percent for each group. Compared to 2016, participation rates decreased in 2017 for Hispanic and White students. In terms of performance, except for Hispanic students, all racial groups increased in performance in 2017 compared to 2016. In 2017, performance on the ERW section ranged from 476 and 477 points for Hispanic and Black/African American students, respectively, to 589 points for Asian students. Performance on the Math section ranged from 462 and 464 points for Black/African American and Hispanic students, respectively, to 607 points for Asian students.

PSAT participation rates in 2017 exceeded 80 percent for Grade 11 students who receive special services. Although students in ESOL decreased in performance in 2017 compared to their peers in 2016, this group also had at least a 7.1 percentage-point increase in PSAT participation rate. The total number of Grade 11 students receiving ESOL services also increased by almost 36 percent from 39 to 53 students. PSAT total scores for the Grade 11 FARMS and special education groups increased in 2017 compared to the same groups in 2016, with relatively similar participation rates.

Table 6  
HCPSS PSAT Participation and Performance (Mean Score) by Student Group: Grade 11, 2016 and 2017

Student Group	N Enrolled		% Participation			Total			ERW			Math		
	2016	2017	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg
All Grade 11	3,800	3,940	94.4	93.5	-0.9	1068	1084	16	533	545	12	535	539	4
Female	1,842	1,936	94.5	93.8	-0.7	1064	1090	26	539	553	14	525	537	12
Male	1,958	2,004	94.3	93.2	-1.1	1073	1078	5	528	537	9	545	541	-4
Race/Ethnicity														
Asian	698	777	≥95.0	≥95.0	±0.0	1177	1196	19	571	589	18	605	607	2
Black/Afr. Am.	862	834	91.5	91.8	0.3	924	939	15	468	477	9	456	462	6
Hispanic	310	321	94.8	93.1	-1.7	968	940	-28	489	476	-13	479	464	-15
White	1,692	1,771	94.9	92.4	-2.5	1115	1122	7	558	567	9	556	555	-1
Two or More	229	226	93.0	94.7	1.7	1048	1119	71	527	565	38	521	554	33
Special Service														
FARMS	590	625	90.3	89.3	-1.1	904	915	11	453	458	5	452	457	5
ESOL	39	53	87.2	94.3	7.1	860	829	-31	396	394	-2	464	435	-29
Special Ed.	127	197	81.9	81.2	-0.7	804	829	25	401	417	16	403	411	8

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Non-diploma bound students and ESOL students at English proficiency levels 1 and 2 were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

### Results in the Context of HCPSS College and Career Readiness Benchmarks

Table 7 displays the percentage of Grade 10 PSAT test takers who met the PSAT section benchmark scores for college and career readiness (CCR) overall and by student group. As discussed above in Table 2, these benchmark scores were determined by matching the existing PSAT benchmark scores to concordance scores on the redesigned PSAT using concordance tables published by the College Board.

Overall, 41.3 percent of Grade 10 test takers met or exceeded the HCPSS CCR ERW section benchmark score of 540 on the redesigned PSAT. By race/ethnicity, the percent of test takers who met the ERW section benchmark score was the lowest for Black/African American students at 17.5 percent, followed by Hispanic (21.8 percent), Two or More Races (45.9 percent), White (49.4 percent), and Asian students (60.5 percent).

Overall, 47.0 percent of Grade 10 PSAT test takers met or exceeded the HCPSS CCR Math section benchmark score of 510 on the PSAT. By race/ethnicity, the percent of test takers who met the Math section benchmark score was the lowest for Black/African American students at 18.8 percent, followed by Hispanic (23.9 percent), Two or More Races (48.6 percent), White (56.8 percent), and Asian students (70.4 percent).

For Grade 10 PSAT test takers who receive special services, less than one out of seven students met either HCPSS CCR benchmark score.

Table 7  
Percent of HCPSS Grade 10 Students Meeting PSAT Subtest Benchmarks for College and Career Readiness (CCR)\*  
by Race/Ethnicity and Special Service Groups, 2016 and 2017

Student Group	N Took		College Board CCR Benchmark									HCPSS CCR Benchmark								
	PSAT		ERW			Math			Both			ERW			Math			Both		
	2016	2017	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg
All Grade 10	3,907	3,911	76.2	74.8	-1.4	57.6	56.8	-0.8	54.4	54.4	0.0	39.6	41.3	1.7	45.0	47.0	2.0	32.3	35.3	3.0
Female	1,893	1,940	80.8	79.8	-1.0	56.4	57.7	1.3	54.1	56.2	2.1	42.5	45.3	2.8	43.5	47.7	4.2	33.1	37.5	4.4
Male	2,014	1,971	71.8	70.0	-1.8	58.7	55.9	-2.8	54.7	52.7	-2.0	37.0	37.4	0.4	46.3	46.4	0.1	31.6	33.2	1.6
Race/Ethnicity																				
Asian	761	764	86.5	85.9	-0.6	79.6	79.3	-0.3	75.7	76.3	0.6	55.6	60.5	4.9	69.5	70.4	0.9	51.5	56.8	5.3
Black/Afr. Am.	846	897	55.2	54.4	-0.8	28.3	28.2	-0.1	24.1	25.4	1.3	14.3	17.5	3.2	15.0	18.8	3.8	8.3	12.2	3.9
Hispanic	320	380	56.3	51.1	-5.2	28.1	30.5	2.4	26.3	28.7	2.4	17.8	21.8	4.0	16.9	23.9	7.0	11.3	16.1	4.8
White	1,753	1,608	84.9	85.8	0.9	67.3	67.6	0.3	64.5	65.9	1.4	48.0	49.4	1.4	53.6	56.8	3.2	38.9	42.4	3.5
Two or More	217	255	82.0	79.6	-2.4	61.8	60.0	-1.8	59.9	56.5	-3.4	48.4	45.9	-2.5	48.4	48.6	0.2	37.8	37.3	-0.5
Special Services																				
FARMS	653	673	47.0	43.1	-3.9	24.2	23.2	-1.0	20.1	19.3	-0.8	10.7	11.4	0.7	13.2	14.3	1.1	6.7	8.2	1.5
ESOL	97	84	20.6	10.7	-9.9	23.7	14.3	-9.4	13.4	6.0	-7.4	≤5.0	≤5.0	±0.0	15.5	8.3	-7.2	≤5.0	≤5.0	±0.0
Special Ed.	116	224	29.3	24.6	-4.7	11.2	12.9	1.7	9.5	10.3	0.8	6.9	6.7	-0.2	6.9	8.9	2.0	≤5.0	≤5.0	±0.0

*Note.* Non-diploma bound students and ESOL students at English proficiency levels 1 and 2 were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as  $\geq 95.0$  or  $\leq 5.0$ , respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 10, College Board benchmarks are: ERW section  $\geq 430$ , Math section  $\geq 480$ ; HCPSS benchmarks are: ERW section  $\geq 540$ , Math section  $\geq 510$ .

Table 8 displays the percentage of Grade 11 PSAT test takers who met PSAT section benchmark scores for CCR overall and by student group. Overall, 51.0 percent of Grade 11 test takers met or exceeded the HCPSS CCR ERW section benchmark score of 550. By race/ethnicity, the percent of test takers who met the ERW section benchmark score was the lowest for Black/African American students at 21.7 percent, followed by Hispanic (26.8 percent), Two or More Races (57.0 percent), White (61.0 percent), and Asian students (67.5 percent).

Overall, 53.5 percent of Grade 11 PSAT test takers met or exceeded the HCPSS CCR Math section benchmark score of 530 on the PSAT. By race/ethnicity, the percent of test takers who met the Math section benchmark score was the lowest for Black/African American students at 21.3 percent, followed by Hispanic (23.1 percent), Two or More Races (57.9 percent), White (63.6 percent), and Asian students (75.2 percent).

For Grade 11 PSAT test takers who receive special services, less than a fifth met either HCPSS CCR benchmark score.

Table 8  
Percent of HCPSS Grade 11 Students Meeting PSAT Subtest Benchmarks for College and Career Readiness (CCR)\*  
by Race/Ethnicity and Special Service Groups, 2016 and 2017

Student Group	N Took		College Board CCR Benchmark									HCPSS CCR Benchmark								
	PSAT		ERW			Math			Both			ERW			Math			Both		
	2016	2017	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg
All Grade 11	3,588	3,683	76.0	77.6	1.6	55.6	59.3	3.7	53.3	57.5	4.2	47.8	51.0	3.2	51.9	53.5	1.6	39.9	43.7	3.8
Female	1,741	1,816	78.8	80.6	1.8	52.6	58.9	6.3	51.1	57.9	6.8	48.8	53.6	4.8	48.5	53.1	4.6	38.9	44.4	5.5
Male	1,847	1,867	73.4	74.7	1.3	58.4	59.8	1.4	55.5	57.2	1.7	46.8	48.6	1.8	55.1	53.9	-1.2	40.9	42.9	2.0
Race/Ethnicity																				
Asian	678	759	83.5	88.3	4.8	75.8	78.0	2.2	71.5	75.9	4.4	61.2	67.5	6.3	72.7	75.2	2.5	57.4	62.8	5.4
Black/Afr. Am.	789	766	54.6	56.3	1.7	22.9	28.5	5.6	21.7	26.4	4.7	20.3	21.7	1.4	20.2	21.3	1.1	12.7	14.0	1.3
Hispanic	294	299	60.9	54.8	-6.1	34.0	29.1	-4.9	31.0	27.8	-3.2	28.6	26.8	-1.8	31.0	23.1	-7.9	22.4	17.4	-5.0
White	1,606	1,637	86.6	86.3	-0.3	67.5	70.3	2.8	65.8	68.7	2.9	58.8	61.0	2.2	62.9	63.6	0.7	49.3	52.5	3.2
Two or More	213	214	72.8	82.2	9.4	51.6	63.6	12.0	50.2	61.7	11.5	50.7	57.0	6.3	49.8	57.9	8.1	39.0	51.9	12.9
Special Services																				
FARMS	533	558	47.1	47.3	0.2	20.5	23.7	3.2	17.6	21.5	3.9	15.9	17.6	1.7	17.6	19.0	1.4	10.5	11.6	1.1
ESOL	34	50	20.6	10.0	-10.6	26.5	12.0	-14.5	5.9	8.0	2.1	≤5.0	≤5.0	±0.0	26.5	8.0	-18.5	≤5.0	≤5.0	±0.0
Special Ed.	104	160	24.0	23.8	-0.2	6.7	6.9	0.2	5.8	5.6	-0.2	≤5.0	6.9	≥0.1	6.7	≤5.0	≤-1.3	≤5.0	≤5.0	±0.0

*Note.* Non-diploma bound students and ESOL students at English proficiency levels 1 and 2 were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 11, College Board benchmarks are: ERW section ≥ 460, Math section ≥ 510; HCPSS benchmarks are: ERW section ≥ 550, Math section ≥ 530.

Tables in the appendix provide additional data on the two-year trend in PSAT participation and performance by high school for each grade (Table A1); 2017 PSAT participation, performance, and college and career readiness by gender for each student group by grade (Table A2); and 2017 PSAT participation, performance, and college and career readiness for each high school overall and disaggregated by student group (Table A3).

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Table A1a

HCPSS **Grade 9** PSAT Participation and Performance (Mean Scores) by High School, 2017

High School	<i>N</i> Enrolled	n Took PSAT	% Took PSAT	Total Score	EBRW Section	Math Section
Atholton	366	*	≥95.0	989	497	492
Centennial	395	*	≥95.0	1031	516	515
Glenelg	312	*	≥95.0	988	489	499
Hammond	357	*	≥95.0	839	423	416
Homewood School	31	9	29.0	-	-	-
Howard	518	*	≥95.0	926	468	458
Long Reach	440	410	93.2	856	433	423
Marriotts Ridge	340	*	≥95.0	1039	519	520
Mt. Hebron	416	*	≥95.0	973	483	490
Oakland Mills	314	284	90.4	847	432	415
Reservoir	363	342	94.2	903	458	445
River Hill	291	*	≥95.0	1070	527	543
Wilde Lake	346	320	92.5	842	425	417

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students and ESOL students at English proficiency levels 1 and 2. Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.

Table A1b

## HCPSS Grade 10 PSAT Participation and Performance (Mean Scores) by High School, 2016 and 2017

High School	N Enrolled		n Took PSAT		% Took PSAT			Total Score			EBRW Section			Math Section		
	2016	2017	2016	2017	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg
Atholton	358	370	338	*	94.4	≥95.0	≥0.6	1066	1034	-32	536	522	-14	530	512	-18
Centennial	383	368	*	*	≥95.0	≥95.0	±0.0	1096	1091	-5	543	544	1	553	547	-6
Glenelg	284	295	*	*	≥95.0	≥95.0	±0.0	1058	1055	-3	529	525	-4	529	530	1
Hammond	297	303	276	*	92.9	≥95.0	≥2.1	932	927	-5	474	471	-3	458	456	-2
Homewood School	19	36	7	11	36.8	30.6	-6.2	-	700	na	-	360	na	-	340	na
Howard	468	410	*	*	≥95.0	≥95.0	±0.0	1004	1014	10	503	511	8	502	503	1
Long Reach	391	401	364	369	93.1	92.0	-1.1	909	911	2	458	459	1	451	451	0
Marriotts Ridge	289	325	*	*	≥95.0	≥95.0	±0.0	1093	1078	-15	542	541	-1	551	538	-13
Mt. Hebron	399	382	*	*	≥95.0	≥95.0	±0.0	1031	1050	19	516	529	13	516	522	6
Oakland Mills	291	263	260	248	89.3	94.3	5.0	888	875	-13	452	443	-9	437	432	-5
Reservoir	346	369	328	*	94.8	≥95.0	≥0.2	956	952	-4	485	484	-1	471	468	-3
River Hill	313	276	*	*	≥95.0	≥95.0	±0.0	1113	1138	25	553	571	18	560	567	7
Wilde Lake	278	299	255	267	91.7	89.3	-2.4	940	935	-5	473	472	-1	467	463	-4

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students and ESOL students at English proficiency levels 1 and 2.

Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.



Table A1c

## HCPSS Grade 11 PSAT Participation and Performance (Mean Scores) by High School, 2016 and 2017

High School	N Enrolled		n Took PSAT		% Took PSAT			Total Score			EBRW Section			Math Section		
	2016	2017	2016	2017	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg	2016	2017	Chg
Atholton	345	348	*	324	≥95.0	93.1	≤-1.9	1073	1130	57	534	568	34	539	562	23
Centennial	347	379	*	*	≥95.0	≥95.0	±0.0	1187	1181	-6	585	587	2	602	594	-8
Glenelg	303	274	*	238	≥95.0	86.9	≤-8.1	1118	1120	2	555	564	9	563	556	-7
Hammond	288	280	267	256	92.7	91.4	-1.3	969	996	27	489	508	19	480	489	9
Homewood School	18	19	6	3	33.3	15.8	-17.5	-	-	-	-	-	-	-	-	-
Howard	401	464	*	*	≥95.0	≥95.0	±0.0	1067	1072	5	533	539	6	534	534	0
Long Reach	305	333	283	308	92.8	92.5	-0.3	953	981	28	483	495	12	469	486	17
Marriotts Ridge	295	294	*	*	≥95.0	≥95.0	±0.0	1152	1170	18	574	586	12	578	584	6
Mt. Hebron	346	379	322	355	93.1	93.7	0.6	1101	1112	11	544	556	12	557	556	-1
Oakland Mills	237	268	211	245	89.0	91.4	2.4	971	929	-42	490	470	-20	482	458	-24
Reservoir	371	334	351	316	94.6	94.6	0.0	1018	1034	16	515	524	9	503	510	7
River Hill	270	307	*	*	≥95.0	≥95.0	±0.0	1191	1202	11	588	604	16	603	598	-5
Wilde Lake	274	261	250	233	91.2	89.3	-1.9	978	1014	36	489	510	21	488	504	16

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students and ESOL students at English proficiency levels 1 and 2.

Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.

Table A2a  
HCPSS Grade 9 PSAT Participation and Performance by Gender within Student Group, SY2017

Student Group	N Students	n Took PSAT	% Took PSAT	PSAT Total	EBRW Section	Math Section	College Board Benchmark		
							% Met ERW	% Met Math	% Met Both
All	4,489	4,264	95.0	940	472	468	72.7	59.0	55.6
Male	2,254	2,128	94.4	927	458	469	67.1	58.7	54.2
Female	2,235	*	≥95.0	954	486	468	78.2	59.2	57.0
Asian	893	*	≥95.0	1037	513	524	86.0	79.1	76.0
Male	433	*	≥95.0	1025	501	524	82.8	78.3	74.1
Female	460	*	≥95.0	1048	525	524	89.0	79.8	77.9
Black/African Am.	1,103	1,022	92.7	822	416	406	50.5	30.6	27.4
Male	563	522	92.7	802	400	402	41.8	28.5	23.9
Female	540	500	92.6	843	433	410	59.6	32.8	31.0
Hispanic/Latino	456	401	87.9	834	420	414	51.6	35.2	30.2
Male	233	204	87.6	827	411	416	46.1	36.3	30.9
Female	223	197	88.3	842	430	413	57.4	34.0	29.4
White	1,757	*	≥95.0	988	497	491	83.6	72.0	68.5
Male	879	*	≥95.0	980	484	496	79.9	74.0	69.0
Female	878	*	≥95.0	996	509	487	87.3	69.9	68.0
Two or More Races	270	250	92.6	932	473	459	76.4	54.0	52.4
Male	142	127	89.4	921	463	458	67.7	52.0	50.4
Female	128	*	≥95.0	944	484	460	85.4	56.1	54.5
FARMS	949	846	89.1	798	401	397	44.2	27.9	23.3
Male	480	427	89.0	786	390	396	36.8	28.3	23.2
Female	469	419	89.3	810	412	398	51.8	27.4	23.4
ESOL	146	110	75.3	731	352	379	15.5	18.2	8.2
Male	74	60	81.1	719	345	375	11.7	16.7	≤5.0
Female	72	50	69.4	746	360	385	20.0	20.0	12.0
Special Ed	354	302	85.3	721	359	362	19.9	13.9	8.6
Male	233	199	85.4	724	357	367	20.6	16.6	11.6
Female	121	103	85.1	715	361	354	18.4	8.7	≤5.0

*Note.* Participation rate is based on enrollment on the PSAT test date. Performance percentage rates less than or equal to 5% are suppressed and numerator reported as \* to protect student privacy. Data excludes non-diploma-bound students and ESOL students at English proficiency levels 1 and 2. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 9, College Board benchmarks are: ERW section ≥ 410, Math section ≥ 450.

Table A2b  
HCPSS **Grade 10** PSAT Participation and Performance by Gender within Student Group, SY2017

Student Group	N Students	n Took PSAT	% Took PSAT	PSAT Total	EBRW Section	Math Section	Grade 10 College Board Benchmark			HCPSS Benchmark		
							% Met ERW	% Met Math	% Met Both	% Met ERW	% Met Math	% Met Both
All	4,097	*	≥95.0	1006	507	500	74.8	56.8	54.4	41.3	47.0	35.3
Male	2,074	*	≥95.0	994	495	499	70.0	55.9	52.7	37.4	46.4	33.2
Female	2,023	*	≥95.0	1019	518	500	79.8	57.7	56.2	45.3	47.7	37.5
Asian	773	*	≥95.0	1120	552	568	85.9	79.3	76.3	60.5	70.4	56.8
Male	385	*	≥95.0	1109	540	569	82.0	77.5	73.9	56.1	68.1	52.7
Female	388	*	≥95.0	1132	564	568	89.8	81.1	78.7	64.8	72.7	60.9
Black/African Am.	972	897	92.3	879	448	432	54.4	28.2	25.4	17.5	18.8	12.2
Male	499	448	89.8	854	431	423	45.8	24.6	20.5	11.4	15.0	8.5
Female	473	449	94.9	905	465	440	63.0	31.8	30.3	23.6	22.7	15.8
Hispanic/Latino	406	380	93.6	893	452	441	51.1	30.5	28.7	21.8	23.9	16.1
Male	215	199	92.6	871	439	432	44.2	28.1	25.1	18.1	21.1	13.1
Female	191	181	94.8	918	466	452	58.6	33.1	32.6	26.0	27.1	19.3
White	1,676	*	≥95.0	1047	529	518	85.8	67.6	65.9	49.4	56.8	42.4
Male	859	*	≥95.0	1045	521	524	83.3	68.8	66.3	47.1	58.7	42.0
Female	817	*	≥95.0	1049	537	513	88.5	66.4	65.5	51.8	54.7	42.7
Two or More Races	263	*	≥95.0	1023	520	503	79.6	60.0	56.5	45.9	48.6	37.3
Male	113	*	≥95.0	1007	505	502	72.3	60.7	56.3	40.2	50.9	35.7
Female	150	*	≥95.0	1036	532	503	85.3	59.4	56.6	50.3	46.9	38.5
FARMS	745	673	90.3	849	426	423	43.1	23.2	19.3	11.4	14.3	8.2
Male	405	361	89.1	834	414	420	38.0	23.0	17.2	8.3	13.3	6.1
Female	340	312	91.8	867	440	427	49.0	23.4	21.8	15.1	15.4	10.6
ESOL	87	84	≥95.0	773	373	400	10.7	14.3	6.0	≤5.0	8.3	≤5.0
Male	55	55	≥95.0	776	373	403	9.1	18.2	5.5	≤5.0	9.1	≤5.0
Female	32	29	90.6	768	374	394	13.8	6.9	6.9	≤5.0	6.9	≤5.0
Special Ed	256	224	87.5	786	393	393	24.6	12.9	10.3	6.7	8.9	≤5.0
Male	170	151	88.8	782	389	393	25.2	15.9	12.6	6.6	11.3	5.3
Female	86	73	84.9	795	401	394	23.3	6.8	5.5	6.8	≤5.0	≤5.0

*Note.* Participation rate is based on enrollment on the PSAT test date. Performance percentage rates less than or equal to 5% are suppressed and numerator reported as \* to protect student privacy. Data excludes non-diploma-bound students and ESOL students at English proficiency levels 1 and 2. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 10, College Board benchmarks are: ERW section ≥ 430, Math section ≥ 480; HCPSS benchmarks are: ERW section ≥ 540, Math section ≥ 510.

Table A2c  
HCPSS **Grade 11** PSAT Participation and Performance by Gender within Student Group, SY2017

Student Group	N Students	n Took PSAT	% Took PSAT	PSAT Total	ERW Section	Math Section	College Board Benchmark			HCPSS Benchmark		
							% Met	% Met	% Met	% Met	% Met	% Met
							ERW	Math	Both	ERW	Math	Both
All	3,940	3,683	93.5	1084	545	539	77.6	59.3	57.5	51.0	53.5	43.7
Male	2,004	1,867	93.2	1078	537	541	74.7	59.8	57.2	48.6	53.9	42.9
Female	1,936	1,816	93.8	1090	553	537	80.6	58.9	57.9	53.6	53.1	44.4
Asian	777	*	≥95.0	1196	589	607	88.3	78.0	75.9	67.5	75.2	62.8
Male	381	*	≥95.0	1195	585	610	87.6	78.6	75.9	65.1	75.9	61.4
Female	396	*	≥95.0	1197	593	604	88.9	77.4	75.8	69.7	74.6	64.3
Black/African Am.	834	766	91.8	939	477	462	56.3	28.5	26.4	21.7	21.3	14.0
Male	418	378	90.4	917	459	457	47.4	27.0	23.3	17.2	19.6	11.9
Female	416	388	93.3	960	494	467	64.9	29.9	29.4	26.0	22.9	16.0
Hispanic/Latino	321	299	93.1	940	476	464	54.8	29.1	27.8	26.8	23.1	17.4
Male	153	*	≥95.0	943	473	470	54.8	31.5	29.5	26.7	24.7	19.2
Female	168	153	91.1	936	478	459	54.9	26.8	26.1	26.8	21.6	15.7
White	1,771	1,637	92.4	1122	567	555	86.3	70.3	68.7	61.0	63.6	52.5
Male	928	859	92.6	1117	558	558	83.9	70.3	68.2	58.0	63.8	51.5
Female	843	778	92.3	1128	576	552	88.9	70.2	69.2	64.3	63.4	53.6
Two or More Races	226	214	94.7	1119	565	554	82.2	63.6	61.7	57.0	57.9	51.9
Male	118	111	94.1	1117	558	559	80.2	65.8	63.1	57.7	60.4	53.2
Female	108	*	≥95.0	1120	572	548	84.5	61.2	60.2	56.3	55.3	50.5
FARMS	625	558	89.3	915	458	457	47.3	23.7	21.5	17.6	19.0	11.6
Male	302	261	86.4	910	450	460	44.1	25.7	21.1	16.1	20.3	11.1
Female	323	297	92.0	919	465	454	50.2	21.9	21.9	18.9	17.8	12.1
ESOL	53	50	94.3	829	394	435	10.0	12.0	8.0	≤5.0	8.0	≤5.0
Male	31	*	≥95.0	804	380	425	≤5.0	10.0	≤5.0	≤5.0	6.7	≤5.0
Female	22	20	90.9	865	416	450	20.0	15.0	15.0	≤5.0	10.0	≤5.0
Special Ed	197	160	81.2	829	417	411	23.8	6.9	5.6	6.9	≤5.0	≤5.0
Male	129	106	82.2	842	423	419	27.4	10.4	8.5	8.5	7.5	5.7
Female	68	54	79.4	802	406	396	16.7	≤5.0	≤5.0	≤5.0	≤5.0	≤5.0

*Note.* Participation rate is based on enrollment on the PSAT test date. Performance percentage rates less than or equal to 5% are suppressed and numerator reported as \* to protect student privacy. Data excludes non-diploma-bound students and ESOL students at English proficiency levels 1 and 2. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 11, College Board benchmarks are: ERW section ≥ 460, Math section ≥ 510; HCPSS benchmarks are: ERW section ≥ 550, Math section ≥ 530.



February 16, 2018

**CONFIDENTIAL**  
**MEMORANDUM**

To: Members of the Board of Education

From: Michael J. Martirano, Ed.D.  
Interim Superintendent

Subject:

The purpose of this memorandum is to share with you the October 2017 PSAT participation rates, performance rates, and comparison data for the 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grade students of the Howard County Public School System. The comparison data includes participation and performance for all students and student groups from the October PSAT 2015-2017 administration. For 2017, over 94% of the students participated in the PSAT program with a mean performance that exceeded the college and career readiness benchmarks established by the College Board.

If you have further questions, please contact Gina Massella, Director of Shared Accountability, at [gina\\_massella@hcpss.org](mailto:gina_massella@hcpss.org).

Copy to: Executive Staff  
Board of Education Office

## Overview

Previous to the 2017 school year, the Howard County Public School System (HCPSS) administered the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) to all Grade 10 and 11 students. Participation in the PSAT program for Grade 9 students was offered on request. Starting school year 2017, HCPSS elected to administer the PSAT 8/9 to all Grade 9 students. HCPSS elected to provide a census administration of the PSAT for several reasons that support students' college readiness<sup>1</sup>. First, sitting for the PSAT gives students relevant practice in preparation for the SAT college entrance exam. The PSAT is also an entrance requirement for students who are interested in competing for scholarships and recognition in the National Merit Scholarship program. In addition, the AP Potential by the College Board is a useful tool for administrators and guidance counselors to consult as they work with ninth grade students and their families building the academic program for the tenth grade year both in the selection of the next challenging and appropriate level of course work, as well participation in the advanced placement program.

This memorandum provides PSAT participation rates, performance data, and comparison data for students overall and student groups from the October PSAT administration from school year 2015-2016 to 2017-2018. As a whole, HCPSS students continue to excel on the PSAT, with participation rates over 94 percent and mean performances that exceed college and career readiness benchmarks established by the College Board. At the same time, participation and performance gaps persist between student groups. Across Grades 9 through 11, Black/African American students and Hispanic/Latino students; as well as students who receive FARMS, ESOL, or special education services had lower participation rates and performance scores on the PSAT than their peers. In addition, performance gaps are even wider between student groups when comparing the percentage of students who met college-and-career-readiness criteria on the PSAT.

Starting October 2015 (school year 2016), the College Board began administration of the redesigned PSAT/NMSQT to measure the knowledge and skills essential for college and career readiness and success<sup>2</sup>. The College Board redesigned its SAT Suite of Assessments to use a common score scale. This design allows scores on the PSAT and the SAT to be comparable. For example, if a student received a total score of 900 on the PSAT, the same student would be predicted to score a 900 on the SAT if he or she had taken the SAT on that same day. Scores imply the same level of academic achievement on both assessments.

To do well on the SAT Suite of Assessments, the College Board<sup>2</sup> suggests that students should participate in challenging course work, read extensively, develop strong writing skills, and engage in deliberate practice in the three math areas emphasized in its Suite of Assessments.

## Score Structure

The PSAT/NMSQT (Grades 10 and 11) **total** score ranges from 320 to 1520. The test is comprised of the Evidence-Based Reading and Writing (ERW) and Math section scores. The scores for each section range from 160 to 760. The ERW section combines the Reading test and Writing and Language test scores. The Math section is derived only from the Math test score. **Each** test score (Reading, Writing and Language, and Math tests) ranges from 8 to 38. Two cross-test scores are also provided based on student performance on items across the three tests that relate to performance in the areas of Analysis in History/Social Studies and Analysis in Science.

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<sup>1</sup> Proctor, T. P., Wyatt, J., & Wiley, A. (2010). *PSAT/NMSQT® indicators of college readiness*. College Board Research Report No. 2010-4. New York: The College Board.

<sup>2</sup> The College Board. 2017. *PSAT10: Understanding scores*. Retrieved from <https://collegereadiness.collegeboard.org/pdf/psat-10-understanding-scores-2017.pdf>

The PSAT 8/9 (Grade 9) is structured like the PSAT/NMSQT, but the total score ranges from 240 to 1440. Each section score ranges from 120 to 720 and each test score (Reading, Writing and Language, and Math tests) ranges from 6 to 36.

All scores for the PSAT 8/9 and PSAT/NMSQT have been vertically scaled to align with the redesigned SAT. The full score scale that is common across the full SAT Suite of Assessments (from PSAT 8/9 through the SAT) have ranges as displayed in Table 1.

Table 1  
Score Scale Ranges of the PSAT 8/9, PSAT/NMSQT, SAT, and Full SAT Suite of Assessments

	PSAT 8/9	PSAT/NMSQT	SAT	Full SAT Suite of Assessments
Total	240 to 1440	320 to 1520	400 to 1600	240 to 1600
Section	120 to 720	160 to 760	200 to 800	120 to 800
Test	6 to 36	8 to 38	10 to 40	6 to 40
Cross-test	6 to 36	8 to 38	10 to 40	6 to 40

### PSAT Overall Participation and Performance

Close to 94 percent of all Grades 9, 10, and 11 students took the PSAT in 2018. Figure 1 displays the participation rates for each grade level from 2016 through 2018. Since the PSAT was not administered grade-wide until 2017 for Grade 9, 2016 participation data for Grade 9 is not displayed.<sup>3</sup>

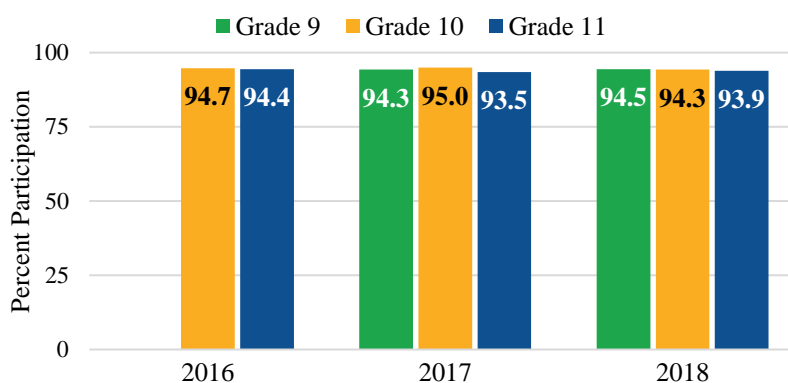


Figure 1. PSAT participation rates by grade level from 2016 to 2018. Participation rates greater than or equal to 95 percent have been suppressed to display as “95.0” to protect student privacy.

The PSAT total mean score was 931 for Grade 9, 998 for Grade 10, and 1072 for Grade 11 students. **Figure 2** on the next page displays HCPSS students’ performance on the PSAT Evidence-Based Reading and Writing (ERW) section and **Figure 3** displays results for the PSAT Math section from 2016 to 2018.

- In 2018 the mean ERW section score was 463 for Grade 9, 502 for Grade 10, and 538 for Grade 11 students.
- The mean Math section score was 468 for Grade 9, 496 for Grade 10, and 534 for Grade 11 students.

<sup>3</sup> Tables A1 in the appendix provides PSAT participation and performance data overall for Grades 9 through 11 from 2016 to 2018. Tables A7 to A9 in the appendix provides PSAT overall performance by high school.

- HCPSS students' mean performance on the PSAT continues to exceed the college and career readiness benchmarks in both ERW and Math.

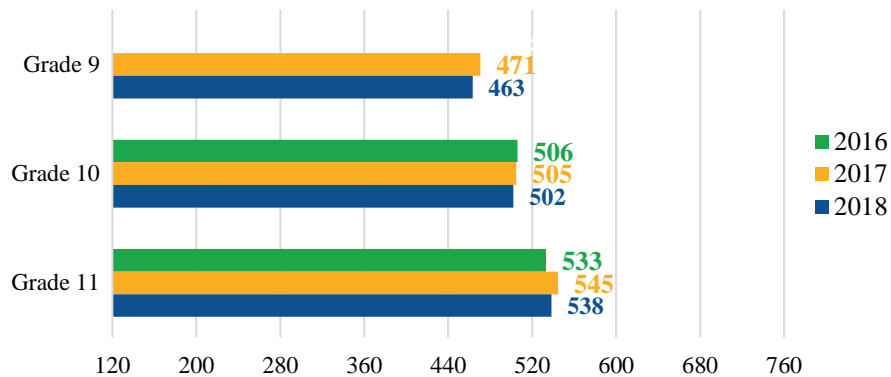


Figure 2. PSAT Evidence-Based Reading and Writing section mean scores by grade level from 2016 to 2018. The PSAT was not administered in Grade 9 until 2017.

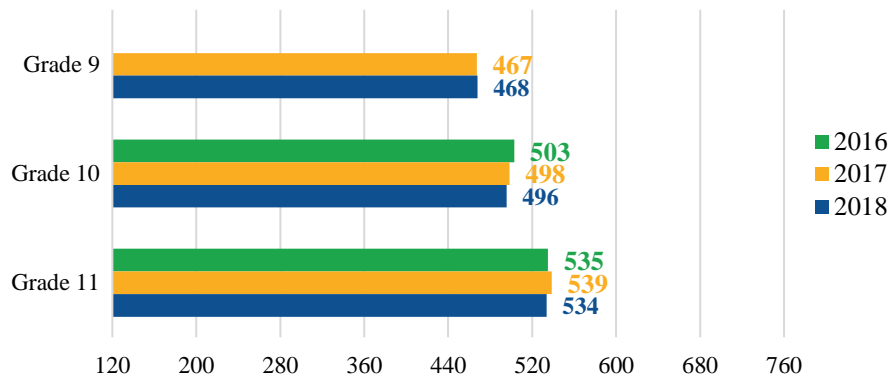


Figure 3. PSAT Math section mean scores by grade level from 2016 to 2018. The PSAT was not administered in Grade 9 until 2017.

### Grade 9 PSAT Results

A total of 4,375 of 4,632 (94.5%) Grade 9 students took the PSAT in 2018. **Figure 4** on the next page displays Grade 9 students' PSAT participation by racial/ethnic group<sup>4</sup>.

- By race/ethnicity, Grade 9 students' 2018 PSAT participation was similar to 2017, with one-year changes differing by one to two percentage points.
- 2018 participation rates ranged from 85 percent for Hispanic students to 92 percent for Black/African American students, to at least 95 percent for all other racial/ethnic groups.
- Participation rates increased for Hispanic and Two or More Races students from 2017 to 2018.
- These data reflect a participation gap of at least 10 percentage points between the highest- and lowest-participating racial/ethnic groups.

<sup>4</sup> Table A2 in the appendix displays Grade 9 students' students' participation and performance on the PSAT overall and by student group.



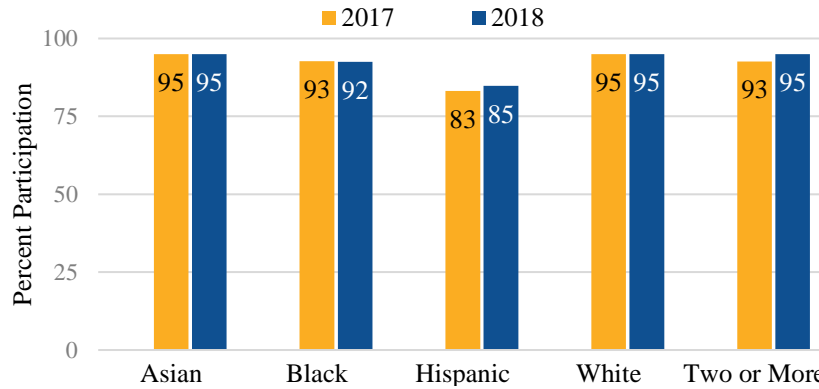


Figure 4. Grade 9 PSAT participation rates from 2017 to 2018. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.

**Figure 5** displays Grade 9 students’ PSAT participation by special service status.

- By special service status, Grade 9 students’ 2018 PSAT participation was similar to 2017.
- At least 95 percent of students who did not receive Free and Reduced-Price Meal Services (FARMS) took the PSAT in 2018; compared to 87 percent of their peers who received FARMS.
- This reflects a participation gap of at least 8 percentage points by FARMS status.
- At least 95 percent of students who were not eligible for English for Speakers of Other Languages (ESOL) services took the PSAT in 2018; compared to 67 percent of their peers identified as English Learners (EL).
- This reflects a participation gap of at least 28 percentage points by English Learner status.
- At least 95 percent of students who did not receive special education services took the PSAT in 2018; compared to 87 percent of their peers who received special education services.
- This reflects a participation gap of at least 8 percentage points by special education status.

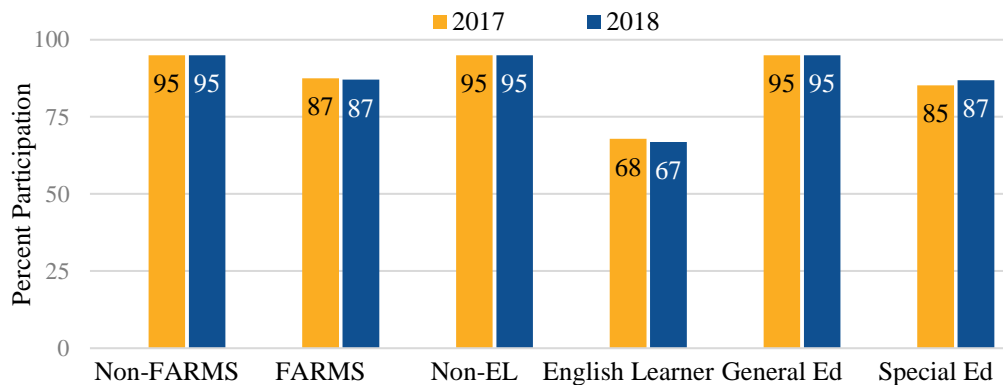
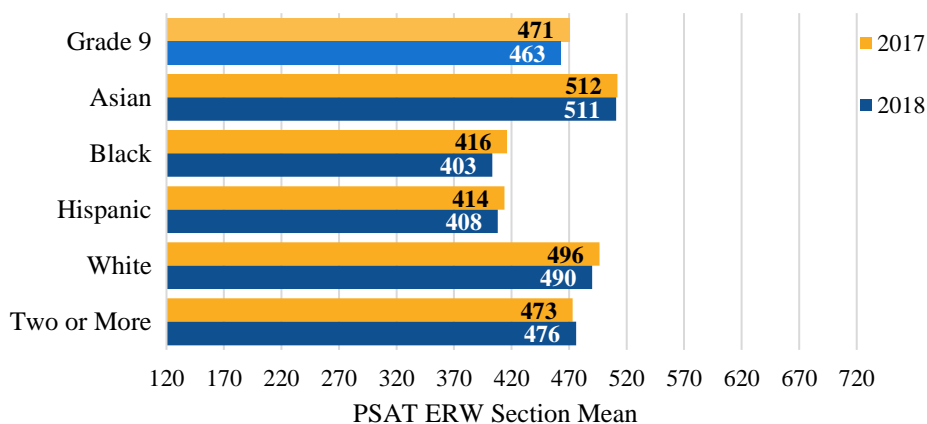


Figure 5. Grade 9 PSAT participation rates from 2017 to 2018. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.

## Grade 9 PSAT Evidence-Based Reading and Writing (ERW) Section Performance

**Figure 6** displays Grade 9 students' performance on the PSAT ERW section, overall and by racial/ethnic group.

- Overall, Grade 9 PSAT ERW section performance decreased from 471 points in 2017 to 463 points in 2018.
- In 2018 ERW section scores ranged from 403 and 408 points for Black/African American and Hispanic students, respectively; to 490 and 511 points for White and Asian students, respectively.
- Students of Two or More Races achieved a mean ERW score of 476 points in 2018.
- In 2018 a performance gap of 108 points exists between Black and Asian students; and of 103 points between Hispanic and Asian student.
- In 2018 a performance gap of 87 points exists between Black and White students; and of 82 points between Hispanic and White students.
- Gaps in Grade 9 PSAT ERW performance by race/ethnicity maintained or widened from 2017 to 2018.



*Figure 6.* Grade 9 PSAT Evidence-Based Reading and Writing section mean scores by race/ethnicity from 2017 to 2018. Dashed lines indicate the college-and-career-ready benchmark.

**Figure 7** on the next page displays Grade 9 students' performance on the PSAT ERW section, overall and by special services.

- In 2018 Grade 9 students who received FARMS earned a 384 on the PSAT ERW section; compared to 482 for their peers who did not receive FARMS.
- This reflects a performance gap of 98 points in 2018 by FARMS status, which has widened since 2017.
- In 2018 Grade 9 students who were eligible for ESOL earned a 334 on the PSAT ERW section; compared to 468 for their peers who were not ELs.
- This reflects a performance gap of 134 points in 2018 by EL status, which has improved since 2017.
- In 2018 Grade 9 students who received special education services earned a 352 on the PSAT ERW section; compared to 473 for their peers who did not receive special education services.
- This reflects a performance gap of 121 points in 2018 by special education status, which remained the same as 2017.

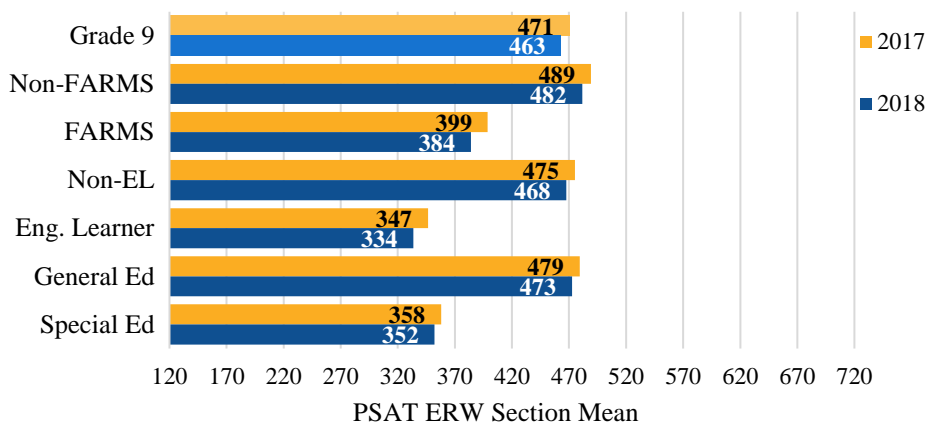


Figure 7. Grade 9 PSAT Evidence-Based Reading and Writing section mean scores by special service status from 2017 to 2018.

### Grade 9 PSAT Math Section Performance

Figure 8 displays Grade 9 students' performance on the PSAT Math section, overall and by racial/ethnic group.

- Overall, Grade 9 PSAT Math section performance remained fairly stable from 467 points in 2017 to 468 points in 2018.
- 2018 Math section scores ranged from 400 and 408 points for Black/African American and Hispanic students, respectively; to 490 and 539 points for White and Asian students, respectively.
- Students of Two or More Races achieved a mean math section score of 472 points in 2018.
- In 2018 a performance gap of 139 points exists between Black and Asian students; and of 131 points between Hispanic and Asian students.
- In 2018 a performance gap of 90 points exists between Black and White students; and of 82 points between Hispanic and White students.
- Gaps in Grade 9 PSAT Math performance by race/ethnicity have widened from 2017 to 2018.

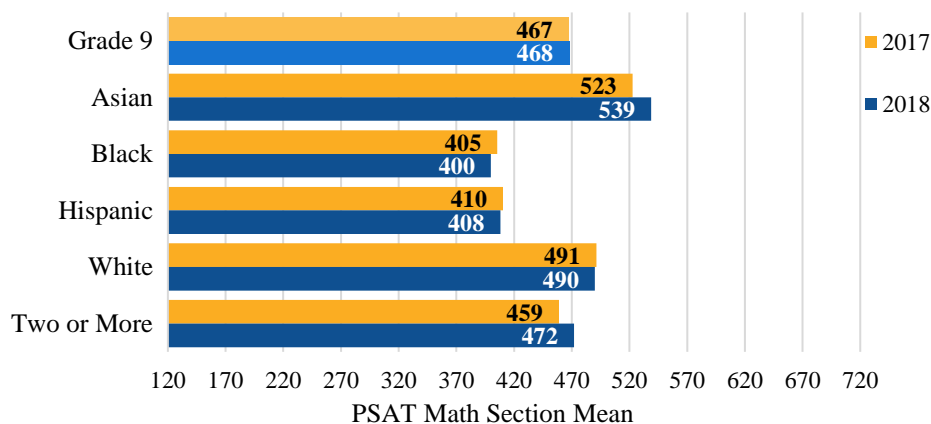
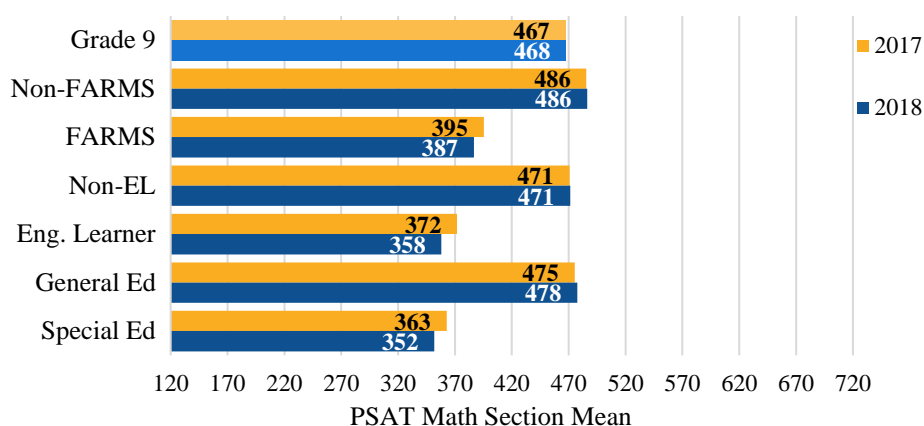


Figure 8. Grade 9 PSAT Math section mean scores by race/ethnicity from 2017 to 2018.

**Figure 9** displays Grade 9 students' performance on the PSAT Math section, overall and by special services.

- In 2018 Grade 9 students who received FARMS earned a 387 on the PSAT Math section; compared to 486 for their peers who did not receive FARMS.
- This reflects a performance gap of 99 points in 2018 by FARMS status, which has widened since 2017.
- In 2018 Grade 9 students who were eligible for ESOL earned a 358 on the PSAT ERW section; compared to 471 for their peers who were not ELs.
- This reflects a performance gap of 113 points in 2018 by EL status, which has widened since 2017.
- In 2018 Grade 9 students who received special education services earned a 352 on the PSAT Math section; compared to 478 for their peers who did not receive special education services.
- This reflects a performance gap of 126 points in 2018 by special education status, which has widened since 2017.



*Figure 9.* Grade 9 PSAT Math section mean scores by special service status from 2017 to 2018. Dashed lines indicate the college-and-career-ready benchmark.

### Grade 10 PSAT Results

A total of 4,118 of 4,368 (94.3%) Grade 10 students took the PSAT in 2018. **Figure 10** displays Grade 10 students' PSAT participation by racial/ethnic group<sup>5</sup>.

- By race/ethnicity, Grade 10 students' 2018 PSAT participation was similar to 2016, with changes differing by one to two percentage points.
- 2018 participation rates ranged from 89, 92, and 93 percent for Hispanic, Black/African American, and Two or More Races students, respectively; to at least 95 percent for Asian and White students.
- Participation rates increased for Hispanic and Two or More Races students from 2016 to 2018.
- These data reflect a participation gap of at least 6 percentage points between the highest- and lowest-participation racial/ethnic groups.

<sup>5</sup> Table A3 displays Grade 10 students' participation and performance on the PSAT overall and by student group.

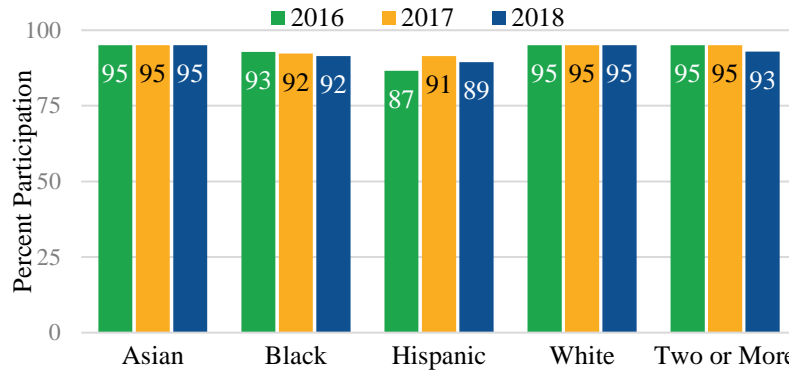


Figure 10. Grade 10 PSAT participation rates from 2016 to 2018. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.

Figure 11 displays Grade 10 students’ PSAT participation by special service status.

- From 2016 through 2018 at least 95 percent of students who did not receive FARMS took the PSAT in 2018; compared to 88 to 89 percent of their peers who received FARMS.
- This reflects a participation gap of at least 7 percentage points by FARMS status.
- At least 95 percent of students who were not eligible for ESOL services took the PSAT in 2018; compared to 88 percent of their peers identified as ELs.
- This reflects a participation gap of at least 7 percentage points by English Learner status.
- At least 95 percent of students who did not receive special education services took the PSAT in 2018; compared to 88 percent of their peers who received special education services.
- This reflects a participation gap of at least 7 percentage points by special education status.
- PSAT participation rates for both ELs and students who received special education services increased by 11 percentage points from 77 percent in 2016 to 88 percent in 2017, and remained at 88 percent in 2018.

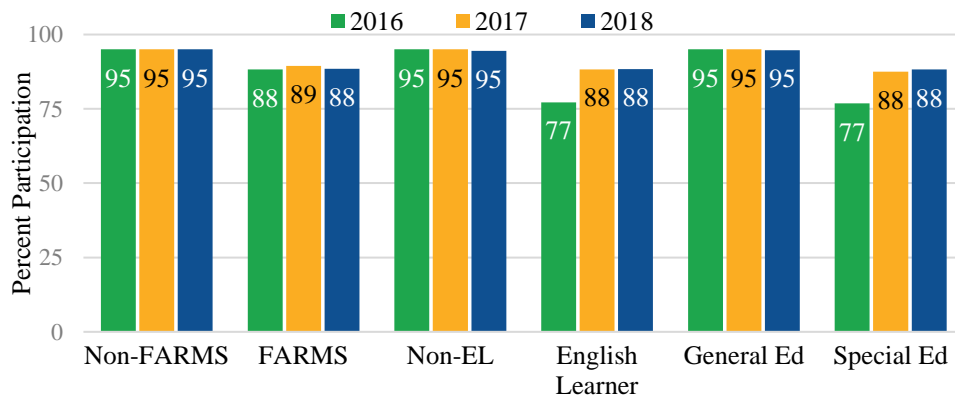
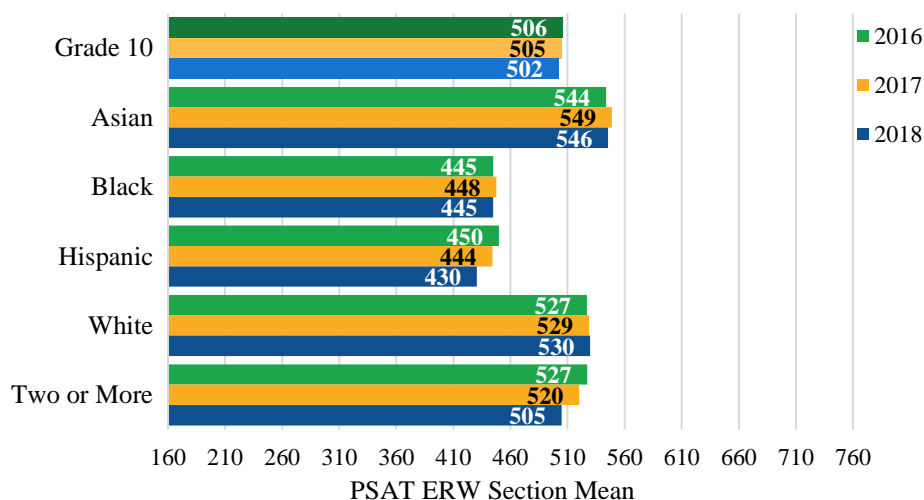


Figure 11. Grade 10 PSAT participation rates from 2016 to 2018. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.

## Grade 10 PSAT Evidence-Based Reading and Writing (ERW) Section Performance

**Figure 12** displays Grade 10 students' performance on the PSAT ERW section, overall and by racial/ethnic group.

- Overall, Grade 10 PSAT ERW section performance decreased from 506 points in 2016 to 502 points in 2018.
- In 2018 ERW section scores ranged from 430 and 445 points for Hispanic and Black/African American students, respectively; to 530 and 546 points for White and Asian students, respectively.
- Students of Two or More Races achieved a mean ERW score of 505 points in 2018.
- In 2018 a performance gap of 101 points exists between Black and Asian students; and of 116 points between Hispanic and Asian student.
- In 2018 a performance gap of 85 points exists between Black and White students; and of 100 points between Hispanic and White students.
- Gaps in Grade 10 PSAT ERW performance by race/ethnicity maintained or widened from 2016 to 2018.



*Figure 12.* Grade 10 PSAT Evidence-Based Reading and Writing section mean scores by race/ethnicity from 2016 to 2018.

On the next page, **Figure 13** displays Grade 10 students' PSAT ERW section performance, overall and by special services.

- In 2018 by FARMS status, Grade 10 students who received FARMS earned a mean of 417 on the PSAT ERW section; compared to 519 for their peers who did not receive FARMS.
- This reflects a performance gap of 102 points by FARMS status, which has widened since 2016.
- In 2018 by EL status, Grade 10 students who were eligible for ESOL earned a mean of 360 on the PSAT ERW section; compared to 508 for their peers who were not ELs.
- This reflects a performance gap of 148 points in 2018 by EL status, which has widened since 2016.
- In 2018 by special education status, Grade 10 students who received special education services earned a 392 on the PSAT ERW section; compared to 509 for their peers who did not receive special education services.
- This reflects a performance gap of 117 points in 2018 by special education status, which has widened since 2016.

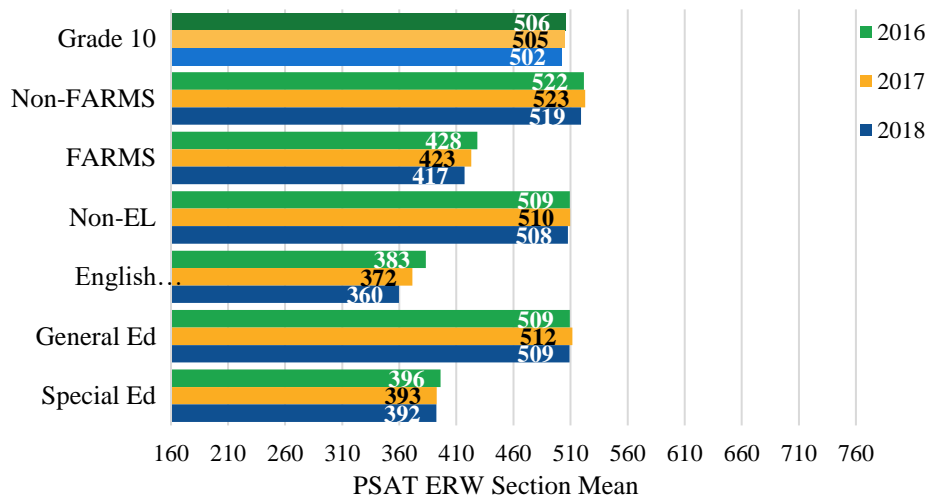


Figure 13. Grade 10 PSAT Evidence-Based Reading and Writing section mean scores by special service status from 2016 to 2018.

### Grade 10 PSAT Math Section Performance

Figure 14 displays Grade 10 students' PSAT Math performance, overall and by race/ethnicity.

- Overall, Grade 10 PSAT Math section performance decreased from 503 points in 2016 to 496 points in 2018.
- 2018 Math section scores ranged from 429 and 430 points for Hispanic and Black/African American students, respectively; to 518 and 559 points for White and Asian students, respectively.
- Students of Two or More Races achieved a mean math section score of 486 points in 2018.
- In 2018 a performance gap of 129 points exists between Black and Asian students; and of 130 points between Hispanic and Asian students.
- In 2018 a performance gap of 88 points exists between Black and White students; and of 89 points between Hispanic and White students.
- Gaps in Grade 10 PSAT Math performance between Black and Asian students have narrowed; but they have widened for the other three groups from 2016 to 2018.

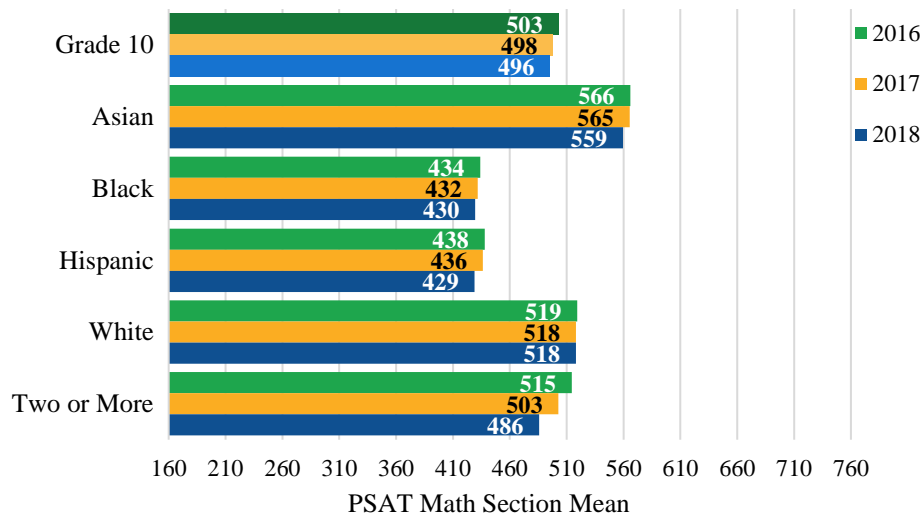
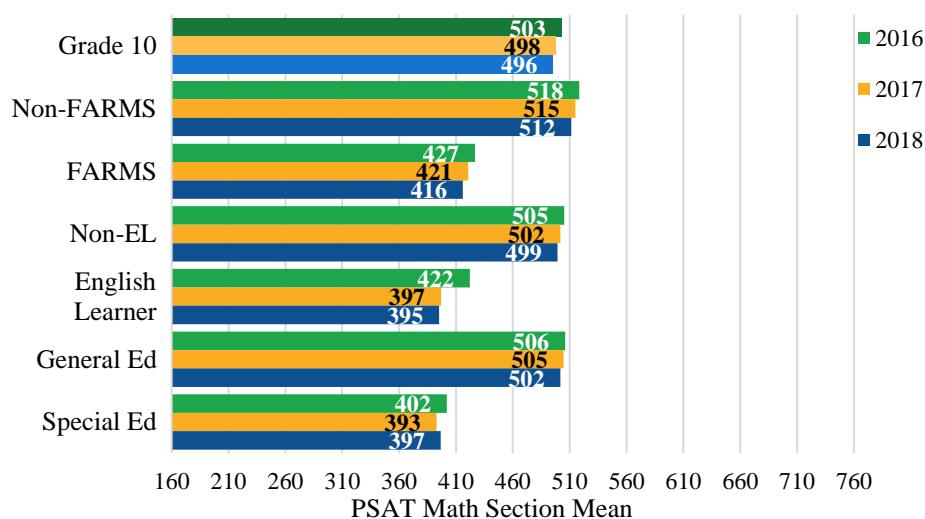


Figure 14. Grade 10 PSAT Math section mean scores by race/ethnicity from 2016 to 2018.

**Figure 15** displays Grade 10 students' PSAT Math section performance, overall and by special services.

- In 2018 by FARMS status, Grade 10 students who received FARMS earned a 416 on the PSAT Math section; compared to 512 for their peers who did not receive FARMS.
- This reflects a performance gap of 96 points in 2018 by FARMS status, which has widened since 2016.
- In 2018 by EL status, Grade 10 students who were eligible for ESOL earned a 395 on the PSAT Math section; compared to 499 for their peers who were not ELs.
- This reflects a performance gap of 104 points in 2018 by EL status, which has widened since 2016.
- In 2018 by special education status, Grade 10 students who received special education services earned a 397 on the PSAT Math section; compared to 502 for their peers who did not receive special education services.
- This reflects a performance gap of 105 points in 2018 by special education status, which is similar to the gap in 2016.



*Figure 15.* Grade 10 PSAT Math section mean scores by special service status from 2016 to 2018.

### Grade 11 PSAT Results

A total of 3,746 of 3,990 (93.9%) Grade 11 students took the PSAT in 2018. On the next page, **Figure 16** displays Grade 11 students' PSAT participation by racial/ethnic group<sup>6</sup>.

- By race/ethnicity, Grade 11 PSAT participation for Hispanic students dropped from 95 percent in 2016 to 90 percent in 2018. For other racial groups, 2018 PSAT participation was similar to 2016.
- 2018 participation rates ranged from 90 percent for Hispanic students to 92 percent for Black/African American students, to at least 94 percent for White and Asian student groups.
- These data reflect a participation gap of at least 5 percentage points between the highest- and lowest-participation racial/ethnic groups.

<sup>6</sup> Table A4 displays Grade 11 students' participation and performance on the PSAT overall and by student group.



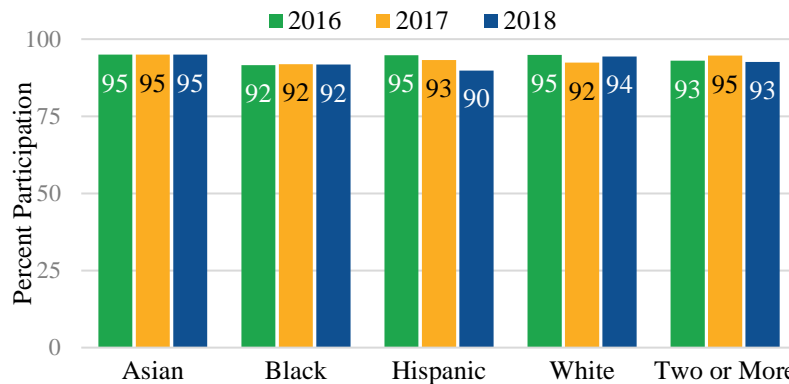


Figure 16. Grade 11 PSAT participation rates from 2016 to 2018. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.

Figure 17 displays Grade 11 students’ PSAT participation by special service status.

- For each group by special service status, Grade 11 students’ 2018 PSAT participation was similar to 2016, with differences ranging from 1 to 2 percentage points.
- About 95 percent of students who did not receive FARMS took the PSAT in 2018; compared to 88 percent of their peers who received FARMS.
- This reflects a participation gap of 7 percentage points by FARMS status.
- 94 percent of students who were not eligible ESOL services took the PSAT in 2018; compared to 88 percent of their peers identified as ELs.
- This reflects a participation gap of 6 percentage points by English Learner status.
- About 95 percent of students who did not receive special education services took the PSAT in 2018; compared to 83 percent of their peers who received special education services.
- This reflects a participation gap of just over 11 percentage points by special education status.

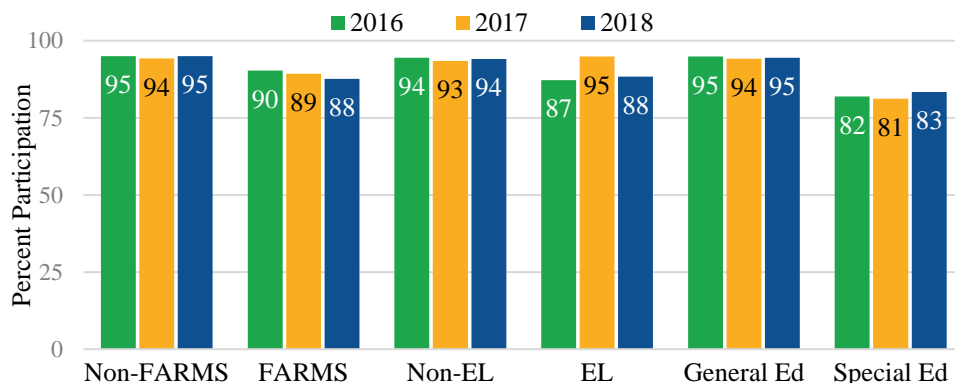
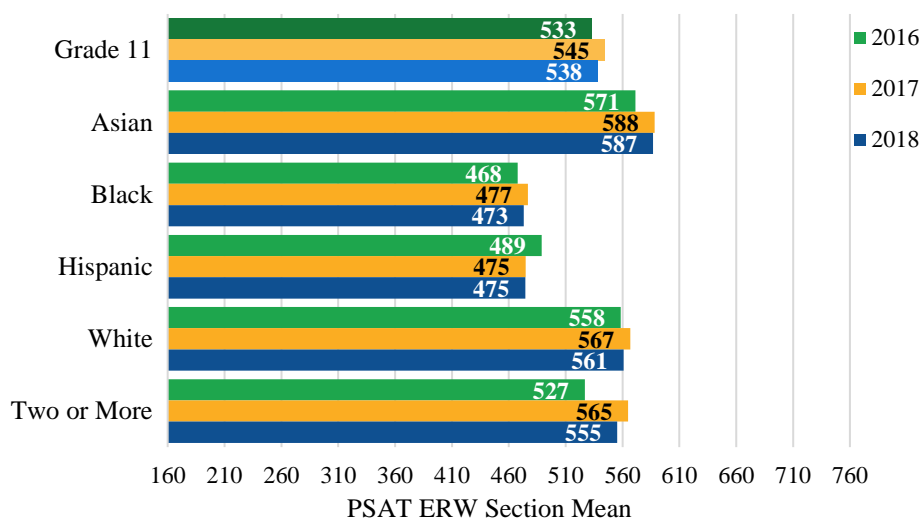


Figure 17. Grade 11 PSAT participation rates from 2016 to 2018. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.

## Grade 11 PSAT Evidence-Based Reading and Writing (ERW) Section Performance

**Figure 18** displays Grade 11 students' PSAT ERW performance, overall and by racial/ethnic group.

- Overall, Grade 11 PSAT ERW section performance increased from 533 points in 2016 to 538 points in 2018.
- In 2018 ERW section scores ranged from 473 and 475 points for Black/African American and Hispanic students, respectively; to 587 points for Asian students.
- Two or More Races and White students achieved mean ERW scores of 555 and 561, respectively, in 2018.
- In 2018 a performance gap of 114 points exists between Black and Asian students; and of 112 points between Hispanic and Asian student.
- In 2018 a performance gap of 88 points exists between Black and White students; and of 86 points between Hispanic and White students.
- Gaps in Grade 11 PSAT ERW performance by race/ethnicity improved between Black and White student groups from 2016 to 2018, but widened for the other three groups compared.



*Figure 18.* Grade 11 PSAT Evidence-Based Reading and Writing section mean scores by race/ethnicity from 2016 to 2018.

On the next page, **Figure 19** displays Grade 11 students' PSAT ERW section performance, overall and by special services.

- In 2018 Grade 11 students who received FARMS earned a 449 on the PSAT ERW section; compared to 553 for their peers who did not receive FARMS.
- This reflects a performance gap of 104 points by FARMS status, which has widened since 2016.
- In 2018 Grade 11 students who were eligible for ESOL earned a 385 on the PSAT ERW section; compared to 543 for their peers who were not ELs.
- This reflects a performance gap of 158 points in 2018 by EL status, which has widened since 2016.
- In 2018 Grade 11 students who received special education services earned a 408 on the PSAT ERW section; compared to 545 for their peers who did not receive special education services.

- This reflects a performance gap of 137 points in 2018 by special education status, which remained similar to 2016.

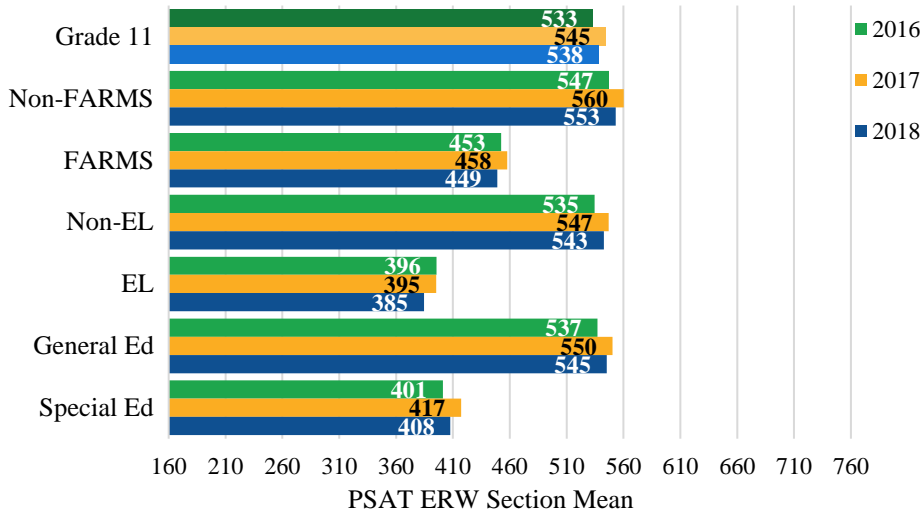


Figure 19. Grade 11 PSAT Evidence-Based Reading and Writing section mean scores by special service status from 2016 to 2018.

### Grade 11 PSAT Math Section Performance

On the next page, **Figure 20** displays Grade 11 students' performance on the PSAT Math section, overall and by racial/ethnic group.

- Overall Grade 11 PSAT Math section performance remained fairly stable from 535 points in 2016 to 534 points in 2018.
- 2018 Math section scores ranged from 457 and 463 points for Black/African American and Hispanic students, respectively; to 609 points for Asian students.
- In 2018 students of Two or More Races and White students achieved mean Math section scores of 541 and 552 points, respectively.
- In 2018 a performance gap of 152 points exists between Black and Asian students; and of 146 points between Hispanic and Asian students.
- In 2018 a performance gap of 95 points exists between Black and White students; and of 89 points between Hispanic and White students.
- The gap in Grade 11 PSAT Math performance narrowed between Black and White students from 2016 to 2018, but widened for the other three groups compared.

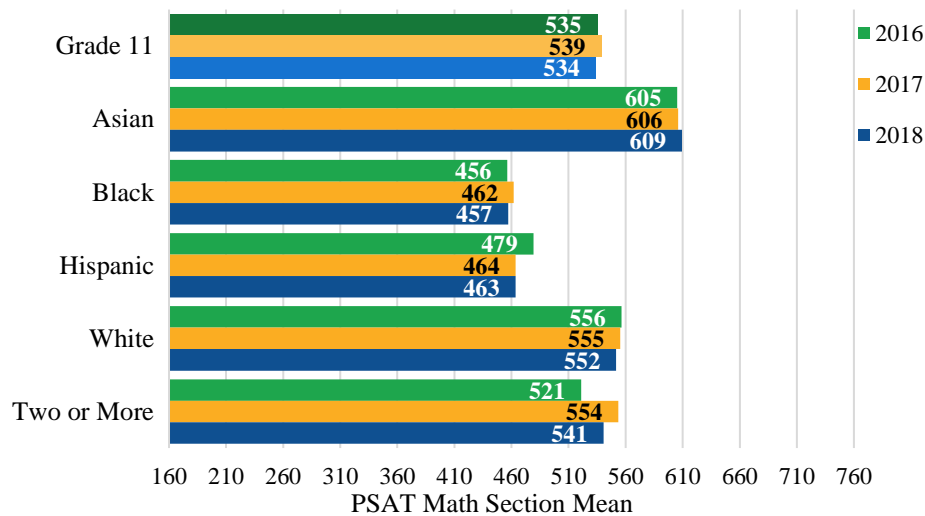


Figure 20. Grade 11 PSAT Math section mean scores by race/ethnicity from 2016 to 2018.

**Figure 21** displays Grade 11 students' PSAT Math section performance, overall and by special services.

- In 2018 Grade 11 students who received FARMS earned a 446 on the PSAT Math section; compared to 548 for their peers who did not receive FARMS.
- This reflects a performance gap of 102 points in 2018 by FARMS status, which has widened since 2016.
- In 2018 Grade 11 students who were eligible for ESOL earned a 412 on the PSAT ERW section; compared to 537 for their peers who were not ELs.
- This reflects a performance gap of 125 points in 2018 by EL status, which has widened since 2016.
- In 2018 Grade 11 students who received special education services earned a 403 on the PSAT Math section; compared to 541 for their peers who did not receive special education services.
- This reflects a performance gap of 138 points in 2018 by special education status, which has widened since 2016.

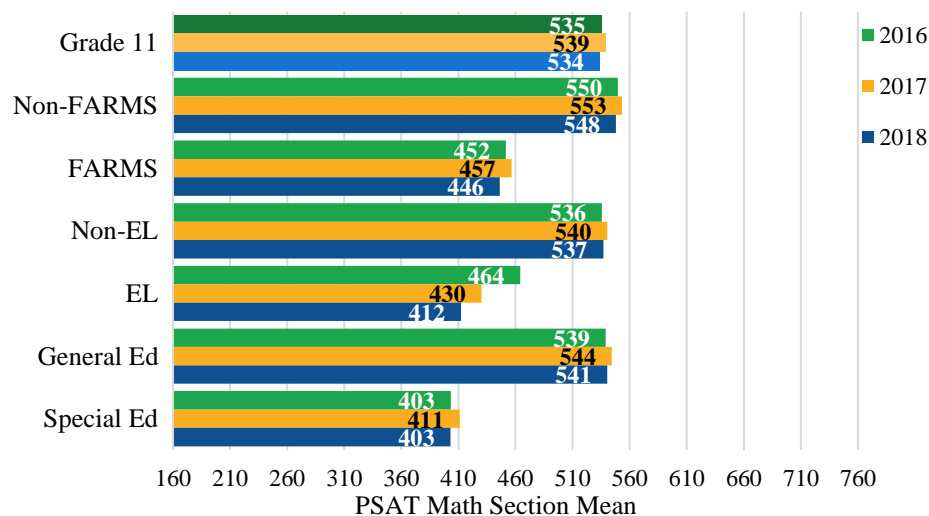


Figure 21. Grade 11 PSAT Math section mean scores by special service status from 2016 to 2018.

## PSAT/NMSQT Scores and College and Career Readiness

With the redesigned SAT Suite of Assessments, the College Board considers students as college and career ready when they meet *both* the ERW and Math section benchmark scores; the College Board does not provide a college and career ready benchmark for the total score<sup>7</sup>. As displayed in Table 2, the College Board grade-level benchmarks for college and career readiness for the ERW section score in Grades 10 and 11 are 430 and 460, respectively; and 480 and 510, respectively, for the Math section score.

Table 2

College and Career Readiness Benchmarks as Measured by the PSAT/NMSQT		
Grade	Evidence-Based Reading and Writing	Mathematics
Grade 10	430	480
Grade 11	460	510

The College Board uses a 75-percent likelihood that the student would achieve a C-average or higher in first-year, credit-bearing college courses to determine these benchmark scores. The College Board will conduct an additional benchmark study after students who have taken the redesigned SAT have earned college course grades in SY2018.

**Figure 22** displays the percentage of Grade 10 PSAT test takers who met the PSAT section benchmark scores for college and career readiness (CCR), overall and by racial/ethnic group.<sup>8</sup>

- Overall, 50.8 percent of Grade 10 test takers met or exceeded both the ERW *and* Math section benchmark scores on the PSAT in 2018.
- The percent of Grade 10 test takers who met CCR criteria on the PSAT decreased by more than 3 percentage points from 2016.
- By race/ethnicity in 2018, the percent of test takers who met the PSAT CCR criteria was the lowest for Hispanic students at 23 percent, followed by Black/African American (24 percent), Two or More Races (48 percent), White (63 percent), and Asian students (71 percent).
- From 2016 to 2018, decreases in the percent of students meeting CCR criteria are observed across all racial/ethnic groups except for Black/African American students.

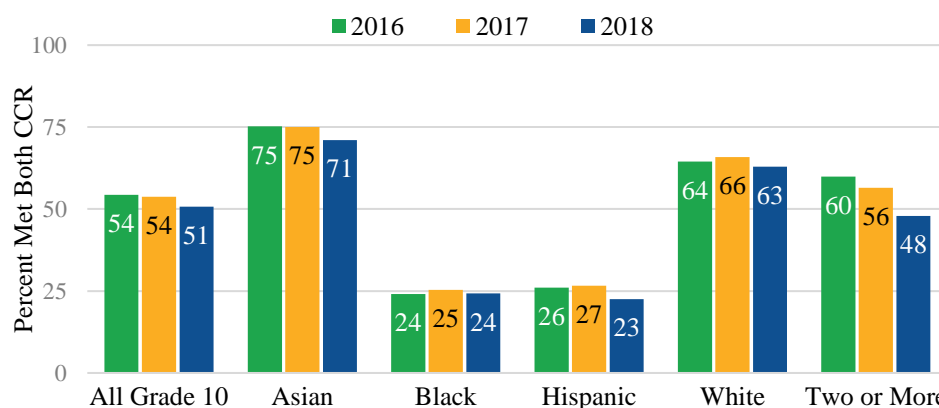


Figure 22. Percent of Grade 10 students who met both the PSAT ERW and Math college and career readiness benchmark scores by race/ethnicity.

<sup>7</sup> <https://collegereadiness.collegeboard.org/about/scores/benchmarks>

<sup>8</sup> Table A5 displays the percentage of Grade 10 PSAT test takers who met the PSAT section benchmark scores for college and career readiness (CCR) overall and by student group.

**Figure 23** displays the percentage of Grade 10 PSAT test takers who met the PSAT CCR scores, overall and by special service status.

- For 2018 Grade 10 PSAT test takers who received FARMS, less than a fifth (17 percent) met both CCR benchmark scores; compared to over half (57 percent) of their peers who did not receive FARMS.
- This reflects an achievement gap of 40 percentage points by FARMS status in 2018, which is similar to the gap in 2016.
- For 2018 Grade 10 PSAT test takers who were eligible for ESOL services, 6 percent met both CCR benchmark scores; compared to over half (52 percent) of their peers who were non-ELs.
- This reflects an achievement gap of 46 percentage points by English learner status in 2018, which has widened since 2016.
- For 2018 Grade 10 PSAT test takers who received special education services, about one in 10 (10 percent) met both CCR benchmark scores; compared to over half (53 percent) of their peers who did not receive special education services.
- This reflects an achievement gap of 43 percentage points by special education service status in 2018, which has narrowed since 2016.
- In general, decreases from 2016 to 2018 in the percentage of Grade 10 students meeting CCR criteria on the PSAT are observed across special service groups; except for students who received special education services, whose performance remained fairly stable.

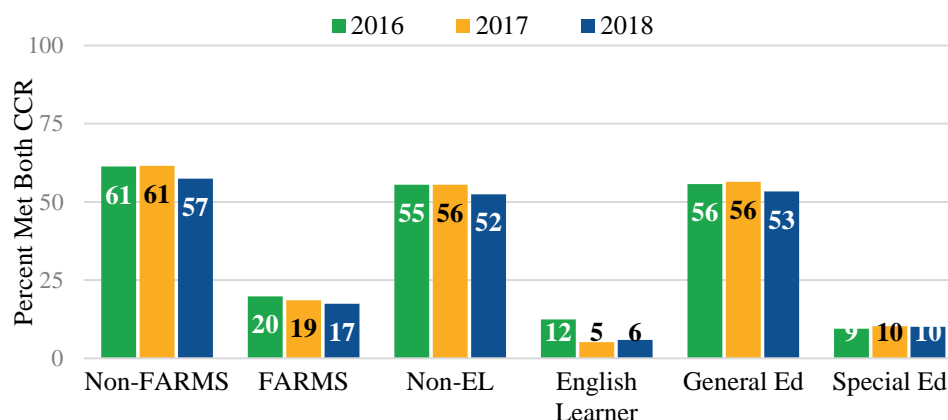


Figure 23. Percent of Grade 10 students who met both the PSAT ERW and Math college and career readiness benchmark scores by special service status.

On the next page, **Figure 24** displays the percentage of Grade 11 PSAT test takers who met PSAT section benchmark scores for CCR overall and by student group.<sup>9</sup>

- Overall, 53.8 percent of Grade 11 test takers met or exceeded both the ERW *and* Math section benchmark scores on the PSAT in 2018.
- The percent of Grade 11 test takers who met CCR criteria on the PSAT in 2018 was within one percentage point of 2016.

<sup>9</sup> Table A6 displays the percentage of Grade 11 PSAT test takers who met PSAT section benchmark scores for CCR overall and by student group.

- By race/ethnicity in 2018, the percent of test takers who met the PSAT CCR criteria was the lowest for Black/African American students at 24 percent, followed Hispanic by (28 percent), Two or More Races (58 percent), White (63 percent), and Asian students (77 percent).
- From 2016 to 2018, decreases in the percent of students meeting CCR criteria are observed for Hispanic and White students; whereas increases were observed for Asian, Black/African American, and Two or More Races students.

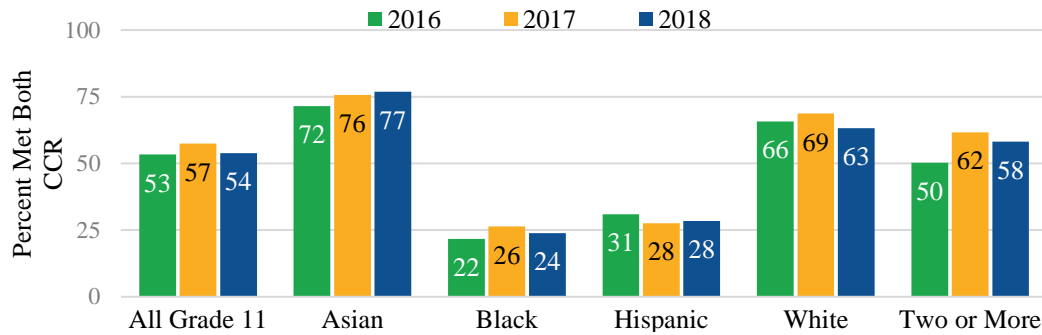


Figure 24. Percent of Grade 11 students who met both the PSAT ERW and Math college and career readiness benchmark scores by race/ethnicity.

**Figure 25** displays the percentage of Grade 11 PSAT test takers who met the PSAT CCR scores, overall and by special service status.

- For 2018 Grade 11 PSAT test takers who received FARMS, less than a fifth (19 percent) met both CCR benchmarks; compared to over half (59 percent) of their peers who did not receive FARMS.
- This reflects an achievement gap of 40 percentage points by FARMS status in 2018, which has narrowed since 2016.
- For 2018 Grade 11 PSAT test takers who were eligible for ESOL services, 7 percent met both CCR benchmark scores; compared to over half (55 percent) of their peers who were non-ELs.
- This reflects an achievement gap of 48 percentage points by English learner status in 2018, which is similar to 2016.
- For 2018 Grade 11 PSAT test takers who received special education services, 9 percent met both CCR benchmark scores; compared to over half (56 percent) of their peers who did not receive special education services.
- This reflects an achievement gap of 47 percentage points by special education service status in 2018, which has narrowed since 2016.
- In general, increases from 2016 to 2018 in the percentage of Grade 11 students meeting CCR criteria on the PSAT are observed across special service groups.

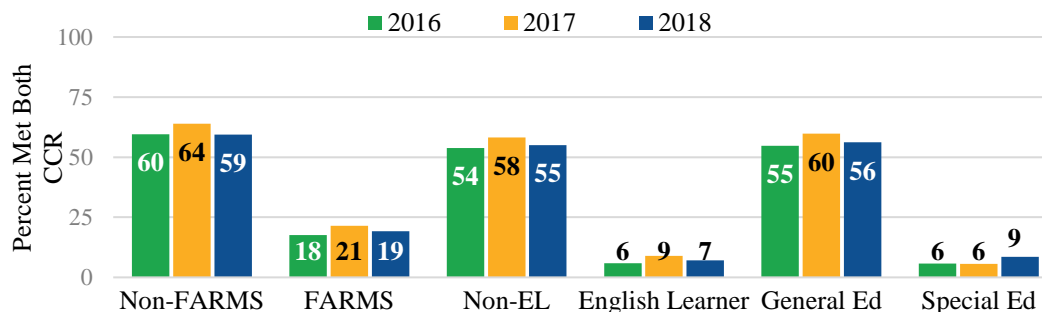


Figure 25. Percent of Grade 11 students who met both the PSAT ERW and Math college and career readiness benchmark scores by special service status.

## **Conclusion and Future Directions**

The HCPSS Strategic Call to Action emphasizes the urgency to lead and learn with equity. HCPSS's decision to administer the PSAT to all students in Grades 9 through 11 is alignment with this plan as it is an intentional effort to increase access to advanced-level coursework for all students. PSAT scores provide academic information outside of grades and course history, offering a fresh perspective for students and teachers to consider when making course selections. Especially for Grade 9 students and for students who have not previously taken advanced coursework, PSAT results provide an additional piece of information about students' academic profiles.

Participation in the PSAT also increases students' exposure to the SAT Suite of Assessment, enhancing their familiarity with college entrance exams that they will take if they decide to apply to higher education institutions. For Grade 10 and 11 students, their PSAT scores qualify them to be considered for the National Merit Scholarship Program.

As a whole, HCPSS students continue to excel on the PSAT, with high participation rates and mean performances that exceed college and career readiness expectations established by the College Board. At the same time, participation and performance gaps persist between student groups. Across Grades 9 through 11, Black/African American students and Hispanic/Latino students; as well as students who receive FARMS, ESOL, or special education services; had lower participation rates on the PSAT than their peers. These student groups also earned lower PSAT scores, on average, than their peers. Performance gaps between student groups were even larger when comparing the percentage of students who met college-and-career-readiness criteria on the PSAT.

Based on the current data, the following recommendations may be considered:

- School improvement efforts should continue to emphasize strategies that provide equitable learning opportunities to all students, and provide targeted supports to students based on assessed needs.
- School leaders should continue to leverage PSAT results and encourage teachers to collaborate with students to review their PSAT performance in the context of other academic information and student interest to inform course selection and high school plans.
- As recommended by the College Board instruction at all grade levels should include extensive opportunities for students to read both fiction and informational text, engage in writing tasks with appropriate feedback for improvement and enroll in mathematics courses all four years of the high school program.
- School staff may leverage AP Potential information published by the College Board to encourage students who show potential and interest to consider Advanced Placement coursework.



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Table A1  
PSAT Participation and Performance (Mean) of HCPSS Students by Grade, 2016-2018

Grade	N Enrolled			n Took PSAT			Percent Took				Total Score				ERW Section				Math Section			
	2016	2017	2018	2016	2017	2018	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change
Grade 9	4,325	4,564	4,632	1,062	4,304	4,375	24.6	94.3	94.5	0.1	1009	938	931	-7	503	471	463	-7	505	467	468	0
Grade 10	4,134	4,164	4,368	3,915	*	4,118	94.7	≥95.0	94.3	-0.4	1009	1003	998	-11	506	505	502	-4	503	498	496	-7
Grade 11	3,800	3,946	3,990	3,588	3,689	3,746	94.4	93.5	93.9	-0.5	1068	1083	1072	4	533	545	538	5	535	539	534	-1

*Note.* Data reflect enrollment as of PSAT administration date of each year.

Table A2  
PSAT Participation and Performance (Mean) of HCPSS Grade 9 Students by Student Group, 2017-2018

Student Group	N Enrolled		% Participation			Total			Evidence-Based Read & Write			Math		
	2017	2018	2017	2018	Change	2017	2018	Change	2017	2018	Change	2017	2018	Change
All Grade 9	4,564	4,632	94.3	94.5	0.1	938	931	-7	471	463	-7	467	468	0
Female	2,269	2,207	≥95.0	≥95.0	± 0.0	951	938	-13	484	473	-12	467	466	-1
Male	2,295	2,425	93.6	93.7	0.2	925	924	-1	457	454	-3	468	470	2
Race/Ethnicity														
Asian	902	894	≥95.0	≥95.0	± 0.0	1035	1050	15	512	511	-1	523	539	16
Black/African American	1,106	1,133	92.7	92.5	-0.2	821	803	-18	416	403	-13	405	400	-5
Hispanic	516	566	83.1	84.8	1.7	824	816	-8	414	408	-6	410	408	-2
White	1,759	1,707	≥95.0	≥95.0	± 0.0	988	980	-7	496	490	-6	491	490	-1
Two or More Races	271	322	92.6	≥95.0	≥2.4	932	948	16	473	476	3	459	472	13
Special Services														
Non-FARMS	3,565	3,694	≥95.0	≥95.0	± 0.0	975	968	-7	489	482	-8	486	486	1
FARMS	999	938	87.5	87.1	-0.4	794	771	-23	399	384	-15	395	387	-9
Non-EL	4,343	4,418	≥95.0	≥95.0	± 0.0	946	939	-7	475	468	-8	471	471	1
English Learner	221	214	67.9	66.8	-1.1	718	692	-27	347	334	-13	372	358	-14
General Education	4,205	4,243	≥95.0	≥95.0	± 0.0	955	950	-5	479	473	-7	475	478	2
Special Education	359	389	85.2	86.9	1.7	721	704	-17	358	352	-6	363	352	-11

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Non-Diploma bound students were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

Table A3  
PSAT Participation and Performance (Mean) of HCPSS Grade 10 Students by Student Group, 2016-2018

Student Group	N Enrolled			% Participation				Total				Evidence-Based Read & Write				Math			
	2016	2017	2018	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change
All Grade 10	4,134	4,164	4,368	94.7	≥95.0	94.3	-0.4	1009	1003	998	-11	506	505	502	-4	503	498	496	-7
Female	1,993	2,052	2,206	≥95.0	≥95.0	95.0	± 0.0	1015	1016	1007	-8	516	517	514	-3	499	499	494	-6
Male	2,141	2,112	2,162	94.2	94.6	93.6	-0.6	1002	991	988	-15	496	493	490	-6	506	498	498	-9
Race/Ethnicity																			
Asian	779	787	901	≥95.0	≥95.0	≥95.0	± 0.0	1110	1114	1105	-5	544	549	546	2	566	565	559	-7
Black/African American	911	973	1,036	92.9	92.3	91.5	-1.4	879	879	874	-4	445	448	445	0	434	432	430	-5
Hispanic	373	456	466	86.6	91.4	89.5	2.9	888	881	859	-28	450	444	430	-19	438	436	429	-9
White	1,836	1,677	1,699	≥95.0	≥95.0	≥95.0	± 0.0	1046	1047	1048	2	527	529	530	3	519	518	518	-1
Two or More Races	225	264	254	≥95.0	≥95.0	92.9		1042	1023	991	-51	527	520	505	-23	515	503	486	-29
Special Services																			
Non-FARMS	3,385	3,368	3,588	≥95.0	≥95.0	≥95.0	± 0.0	1040	1038	1031	-9	522	523	519	-2	518	515	512	-7
FARMS	749	796	780	88.3	89.4	88.5	0.2	855	844	833	-22	428	423	417	-11	427	421	416	-10
Non-EL	3,998	4,010	4,196	≥95.0	≥95.0	94.5	≤ -0.5	1014	1011	1007	-7	509	510	508	-2	505	502	499	-6
English Learner	136	154	172	77.2	88.3	88.4	11.2	805	768	755	-51	383	372	360	-24	422	397	395	-27
General Education	3,983	3,907	4,087	≥95.0	≥95.0	94.7	≤ -0.3	1015	1016	1011	-4	509	512	509	0	506	505	502	-4
Special Education	151	257	281	76.8	87.5	88.3	11.4	798	786	789	-9	396	393	392	-4	402	393	397	-5

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Non-Diploma bound students were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals Services.

Table A4

## PSAT Participation and Performance (Mean) of HCPSS Grade 11 Students by Student Group, 2016-2018

Student Group	N Enrolled			% Participation				Total				Evidence-Based Read & Write				Math			
	2016	2017	2018	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change
All Grade 11	3,800	3,946	3,990	94.4	93.5	93.9	-0.5	1068	1083	1072	4	533	545	538	5	535	539	534	-1
Female	1,842	1,939	2,003	94.5	93.8	94.2	-0.3	1064	1090	1077	14	539	553	547	7	525	537	531	6
Male	1,958	2,007	1,987	94.3	93.2	93.6	-0.8	1073	1077	1067	-6	528	536	530	2	545	541	537	-8
Race/Ethnicity																			
Asian	698	781	788	≥95.0	≥95.0	≥95.0	± 0.0	1177	1194	1196	20	571	588	587	15	605	606	609	4
Black/African American	862	834	908	91.5	91.8	91.7	0.2	924	939	931	6	468	477	473	6	456	462	457	1
Hispanic	310	323	384	94.8	93.2	89.8	-5.0	968	938	938	-30	489	475	475	-14	479	464	463	-16
White	1,692	1,771	1,646	94.9	92.4	94.4	-0.5	1115	1122	1113	-2	558	567	561	2	556	555	552	-5
Two or More Races	229	226	258	93.0	94.7	92.6	-0.4	1048	1119	1096	48	527	565	555	28	521	554	541	20
Special Services																			
Non-FARMS	3,210	3,318	3,390	≥95.0	94.3	95.0	± 0.0	1097	1114	1101	4	547	560	553	6	550	553	548	-2
FARMS	590	628	600	90.3	89.3	87.7	-2.7	904	914	895	-9	453	458	449	-3	452	457	446	-5
Non-EL	3,761	3,887	3,878	94.5	93.5	94.0	-0.5	1070	1087	1080	9	535	547	543	8	536	540	537	1
EL	39	59	112	87.2	94.9	88.4	1.2	860	825	797	-63	396	395	385	-11	464	430	412	-52
General Education	3,673	3,749	3,767	94.9	94.1	94.5	-0.3	1076	1095	1086	10	537	550	545	8	539	544	541	2
Special Education	127	197	223	81.9	81.2	83.4	1.5	804	829	811	6	401	417	408	7	403	411	403	0

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as  $\geq 95.0$  or  $\leq 5.0$ . Non-Diploma bound students were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Priced Meals System.

Table A5  
Percent of HCPSS Grade 10 Students Meeting PSAT Subtest Benchmarks for College and Career Readiness (CCR)\*  
by Race/Ethnicity and Special Service Groups, 2016 - 2018

Student Group	n Took PSAT			ERW				Math				Both ERW & Math			
	2016	2017	2018	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change
All Grade 10	3,915	3,963	4,118	76.0	74.0	73.6	-2.4	57.5	56.1	52.4	-5.1	54.3	53.8	50.8	-3.6
Female	1,898	1,964	2,095	80.6	78.9	78.0	-2.6	56.3	57.1	52.3	-4.0	54.0	55.6	51.3	-2.7
Male	2,017	1,999	2,023	71.7	69.2	69.1	-2.7	58.7	55.2	52.5	-6.1	54.6	52.0	50.2	-4.4
Race/Ethnicity															
Asian	766	777	881	86.0	84.4	85.9	-0.1	79.1	78.1	73.0	-6.1	75.2	75.0	71.1	-4.1
Black	846	898	948	55.2	54.3	53.4	-1.8	28.3	28.2	25.7	-2.5	24.1	25.4	24.3	0.1
Hispanic	323	417	417	55.7	47.7	47.5	-8.2	27.9	28.8	23.7	-4.1	26.0	26.6	22.5	-3.5
White	1,753	1,609	1,626	84.9	85.8	85.0	0.1	67.3	67.6	64.5	-2.8	64.5	65.9	62.9	-1.5
Two or More	217	255	236	82.0	79.6	76.7	-5.3	61.8	60.0	50.4	-11.3	59.9	56.5	47.9	-12.0
Special Services															
Non-FARMS	3,254	3,251	3,428	82.0	81.1	80.2	-1.8	64.3	63.5	59.0	-5.3	61.3	61.5	57.5	-3.8
FARMS	661	712	690	46.6	41.6	40.9	-5.7	23.9	22.3	19.6	-4.3	19.8	18.5	17.4	-2.4
Non-EL	3,810	3,827	3,966	77.6	76.2	76.0	-1.6	58.5	57.7	54.0	-4.4	55.5	55.5	52.5	-3.0
English Learner	105	136	152	20.0	11.0	11.8	-8.2	21.9	12.5	9.9	-12.0	12.4	5.1	5.9	-6.5
General Ed	3,799	3,738	3,870	77.5	77.0	76.5	-0.9	58.9	58.7	55.0	-3.9	55.7	56.4	53.4	-2.3
Special Ed	116	225	248	29.3	24.4	27.8	-1.5	11.2	12.9	12.1	0.9	9.5	10.2	10.1	0.6

*Note.* Non-Diploma bound students were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as  $\geq 95.0$  or  $\leq 5.0$ , respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*PSAT benchmarks vary by grade level and subtest. For Grade 10, College Board benchmarks are: ERW section  $\geq 430$ , Math section  $\geq 480$ .

Table A6  
Percent of HCPSS Grade 11 Students Meeting PSAT Subtest Benchmarks for College and Career Readiness (CCR)\*  
by Race/Ethnicity and Special Service Groups, 2016 - 2018

Student Group	n Took PSAT			ERW				Math				Both ERW & Math			
	2016	2017	2018	2016	2017	2018	Change	2016	2017	2018	Change	2016	2017	2018	Change
All Grade 11	3,588	3,689	3,746	76.0	77.5	74.7	-1.3	55.6	59.3	55.4	-0.2	53.3	57.5	53.8	0.4
Female	1,741	1,819	1,887	78.8	80.6	77.3	-1.5	52.6	58.8	54.5	1.9	51.1	57.8	53.6	2.5
Male	1,847	1,870	1,859	73.4	74.5	72.0	-1.3	58.4	59.7	56.3	-2.2	55.5	57.1	54.0	-1.5
Race/Ethnicity															
Asian	678	763	769	83.5	88.1	85.4	2.0	75.8	77.7	78.8	3.0	71.5	75.6	76.9	5.3
Black	789	766	833	54.6	56.3	53.1	-1.6	22.9	28.5	25.2	2.3	21.7	26.4	23.9	2.2
Hispanic	294	301	345	60.9	54.5	51.0	-9.9	34.0	28.9	29.6	-4.4	31.0	27.6	28.4	-2.5
White	1,606	1,637	1,554	86.6	86.3	85.2	-1.4	67.5	70.3	64.9	-2.6	65.8	68.7	63.3	-2.5
Two or More	213	214	239	72.8	82.2	80.8	8.0	51.6	63.6	59.8	8.2	50.2	61.7	58.2	7.9
Special Services															
Non-FARMS	3,055	3,128	3,220	81.0	83.0	80.2	-0.8	61.7	65.7	61.0	-0.7	59.6	63.9	59.4	-0.1
FARMS	533	561	526	47.1	47.2	40.7	-6.4	20.5	23.5	20.7	0.3	17.6	21.4	19.2	1.6
Non-EL	3,554	3,633	3,647	76.5	78.5	76.4	-0.1	55.9	60.0	56.6	0.8	53.8	58.2	55.1	1.3
English Learner	34	56	99	20.6	12.5	12.1	-8.5	26.5	12.5	9.1	-17.4	5.9	8.9	7.1	1.2
General Ed	3,484	3,529	3,560	77.6	80.0	77.4	-0.2	57.0	61.6	57.8	0.7	54.8	59.8	56.2	1.4
Special Ed	104	160	186	24.0	23.8	23.1	-0.9	6.7	6.9	9.7	2.9	5.8	5.6	8.6	2.8

*Note.* Non-Diploma bound students were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as  $\geq 95.0$  or  $\leq 5.0$ , respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 11, College Board benchmarks are: ERW section  $\geq 460$ , Math section  $\geq 510$ .

Table A7  
HCPSS **Grade 9** PSAT Participation and Performance (Mean Scores) by High School, 2016 - 2018

High School	N Enrolled		n Took PSAT		% Took PSAT			Total Score			EBRW Section			Math Section		
	2017	2018	2017	2018	2017	2018	Chg	2017	2018	Chg	2017	2018	Chg	2017	2018	Chg
Atholton	367	372	348	*	94.8	≥95.0	≥0.2	989	981	-7	497	486	-11	492	495	4
Centennial	398	430	*	*	≥95.0	≥95.0	±0.0	1031	1037	6	516	511	-4	515	525	11
Glenelg	314	281	298	*	94.9	≥95.0	≥0.1	988	999	11	489	492	2	499	508	9
Hammond	368	390	349	346	94.8	88.7	-6.1	834	831	-4	420	419	-1	414	411	-3
Homewood	31	37	9	12	29.0	32.4	3.4	-	674		-	360		-	314	
Howard	520	499	*	*	≥95.0	≥95.0	±0.0	925	921	-5	468	461	-7	458	460	2
Long Reach	459	473	423	440	92.2	93.0	0.9	849	835	-15	429	418	-11	420	416	-4
Marriotts Ridge	340	348	*	*	≥95.0	≥95.0	±0.0	1039	1012	-28	519	499	-19	520	512	-8
Mt. Hebron	427	378	*	359	≥95.0	95.0	±0.0	971	972	1	482	484	2	489	488	-1
Oakland Mills	330	325	288	289	87.3	88.9	1.7	844	825	-18	431	417	-13	413	408	-5
Reservoir	364	453	343	*	94.2	≥95.0	≥0.8	903	910	8	458	453	-5	445	457	12
River Hill	291	277	*	*	≥95.0	≥95.0	±0.0	1070	1064	-6	527	519	-8	543	545	2
Wilde Lake	355	369	327	339	92.1	91.9	-0.2	840	827	-13	423	415	-8	417	412	-4

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students. Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.



Table A8

## HCPSS Grade 10 PSAT Participation and Performance (Mean Scores) by High School, 2016 and 2017

High School	N Enrolled			n Took PSAT			% Took PSAT				Total Score				EBRW Section				Math Section			
	2016	2017	2018	2016	2017	2018	2016	2017	2018	Chg	2016	2017	2018	Chg	2016	2017	2018	Chg	2016	2017	2018	Chg
Atholton	358	370	371	338	*	*	94.4	≥95.0	≥95.0	≥0.6	1066	1034	1037	-28	536	522	521	-15	530	512	516	-13
Centennial	383	369	414	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1096	1090	1094	-2	543	544	548	5	553	547	546	-7
Glenelg	284	295	320	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1058	1055	1022	-36	529	525	510	-19	529	530	512	-17
Hammond	297	309	311	276	293	259	92.9	94.8	83.3	-9.6	932	925	894	-38	474	470	451	-23	458	455	442	-16
Homewood	19	36	27	7	11	8	36.8	30.6	29.6	-7.2	-	700	-		-	360	-		-	340	-	
Howard	470	412	513	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1004	1013	986	-17	503	511	499	-4	501	502	488	-14
Long Reach	395	417	421	365	382	385	92.4	91.6	91.4	-1.0	908	905	903	-6	458	456	457	-1	451	449	446	-5
Marriotts Ridge	289	325	341	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1093	1078	1088	-5	541.9	541	550	8	550.6	538	537	-13
Mt. Hebron	401	393	408	*	368	*	≥95.0	93.6	≥95.0	±0.0	1031	1050	1020	-11	516	528	510	-5	516	521	510	-6
Oakland Mills	295	279	318	260	264	297	88.1	94.6	93.4	5.3	888	867	886	-3	452	437	448	-4	437	429	438	1
Reservoir	349	377	326	331	*	*	94.8	≥95.0	≥95.0	≥0.2	954	948	967	14	484	482	490	7	470	466	477	7
River Hill	313	276	287	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1113	1138	1141	28	553	571	567	14	560	567	574	14
Wilde Lake	281	306	311	258	274	283	91.8	89.5	91.0	-0.8	938	931	904	-33	472	470	457	-14	466	462	447	-19

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students. Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.

Table A9  
HCPSS **Grade 11** PSAT Participation and Performance (Mean Scores) by High School, 2016 and 2017

High School	N Enrolled			n Took PSAT			% Took PSAT				Total Score				EBRW Section				Math Section			
	2016	2017	2018	2016	2017	2018	2016	2017	2018	Chg	2016	2017	2018	Chg	2016	2017	2018	Chg	2016	2017	2018	Chg
Atholton	345	348	371	*	324	*	≥95.0	93.1	≥95.0	±0.0	1073	1130	1108	35	534	568	557	23	539	562	551	12
Centennial	347	379	373	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1187	1181	1165	-22	585	587	580	-5	602	594	585	-16
Glenelg	303	274	285	*	238	*	≥95.0	86.9	≥95.0	±0.0	1118	1120	1132	14	555	564	563	8	563	556	569	6
Hammond	288	280	283	267	256	261	92.7	91.4	92.2	-0.5	969	996	985	15	489	508	501	12	480	489	483	3
Homewood School	18	19	16	6	3	6	33.3	15.8	37.5	4.2	-	-	-		-	-	-		-	-	-	
Howard	401	464	408	*	*	381	≥95.0	≥95.0	93.4	≤-1.6	1067	1072	1080	13	533	539	542	10	534	534	538	4
Long Reach	305	334	358	283	309	324	92.8	92.5	90.5	-2.3	953	979	977	25	483	494	496	12	469	485	482	12
Marriotts Ridge	295	294	334	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1151.5	1170	1142	-9	573.76	586	570	-4	577.76	584	572	-6
Mt. Hebron	346	379	390	322	355	362	93.1	93.7	92.8	-0.2	1101	1112	1088	-13	544	556	543	-1	557	556	545	-12
Oakland Mills	237	270	235	211	247	212	89.0	91.5	90.2	1.2	971	927	935	-36	490	469	474	-16	482	457	461	-21
Reservoir	371	337	364	351	319	*	94.6	94.7	≥95.0	≥0.4	1018	1033	1008	-10	515	523	512	-3	503	510	496	-7
River Hill	270	307	282	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1191	1202	1210	20	588	604	604	17	603	598	606	3
Wilde Lake	274	261	291	250	233	262	91.2	89.3	90.0	-1.2	978	1014	975	-3	489	510	490	1	488	504	484	-4

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students. Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.

Table A10  
HCPSS Grade 9 PSAT Participation and Performance by Gender within Student Group, SY2018

Student Group	N Students	n Took PSAT	% Took PSAT	PSAT Total	EBRW Section	Math Section	College Board Benchmark		
							% Met ERW	% Met Math	% Met Both
All	4,632	4,375	94.5	931	463	468	70.2	56.8	53.6
Male	2,425	2,273	93.7	924	454	470	66.9	56.4	52.3
Female	2,207	*	≥95.0	938	473	466	73.7	57.2	54.9
Asian	894	*	≥95.0	1050	511	539	86.6	82.0	78.0
Male	446	*	≥95.0	1049	504	545	85.8	81.3	76.7
Female	448	*	≥95.0	1051	518	533	87.4	82.6	79.2
Black/African Am.	1,133	1,048	92.5	803	403	400	44.9	27.8	24.5
Male	609	549	90.1	788	393	395	38.1	26.0	21.7
Female	524	*	≥95.0	820	415	405	52.5	29.7	27.7
Hispanic/Latino	566	480	84.8	816	408	408	48.3	31.5	29.0
Male	310	265	85.5	809	402	407	46.4	30.6	27.9
Female	256	215	84.0	825	416	409	50.7	32.6	30.2
White	1,707	*	≥95.0	980	490	490	82.8	68.9	65.6
Male	893	*	≥95.0	981	483	498	80.9	70.5	66.3
Female	814	*	≥95.0	979	497	482	84.9	67.2	64.9
Two or More Races	322	*	≥95.0	948	476	472	75.6	59.1	57.5
Male	165	156	94.5	939	464	475	73.1	59.6	56.4
Female	157	*	≥95.0	957	488	469	78.3	58.6	58.6
FARMS	938	817	87.1	771	384	387	35.9	21.3	17.0
Male	504	428	84.9	762	376	386	32.5	22.4	17.3
Female	434	389	89.6	780	393	387	39.6	20.1	16.7
ESOL	214	143	66.8	692	334	358	9.8	11.2	≤5.0
Male	117	76	65.0	673	323	350	6.6	6.6	≤5.0
Female	97	67	69.1	713	346	367	13.4	16.4	7.5
Special Ed	389	338	86.9	704	352	352	17.5	8.6	5.9
Male	268	232	86.6	713	358	355	19.8	11.2	8.2
Female	121	106	87.6	684	339	345	12.3	≤5.0	≤5.0

*Note.* Participation rate is based on enrollment on the PSAT test date. Performance percentage rates less than or equal to 5% are suppressed and numerator reported as \* to protect student privacy. Data excludes non-diploma-bound students. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 9, College Board benchmarks are: ERW section ≥ 410, Math section ≥ 450.

Table A11  
HCPSS **Grade 10** PSAT Participation and Performance by Gender within Student Group, SY2018

Student Group	N Students	n Took PSAT	% Took PSAT	PSAT Total	EBRW Section	Math Section	College & Career Readiness Benchmark*		
							% Met ERW	% Met Math	% Met Both
All	4,368	4,118	94.3	998	502	496	73.6	52.4	50.8
Male	2,162	2,023	93.6	988	490	498	69.1	52.5	50.2
Female	2,206	2,095	95.0	1007	514	494	78.0	52.3	51.3
Asian	901	*	≥95.0	1105	546	559	85.9	73.0	71.1
Male	434	*	≥95.0	1100	537	563	83.1	73.4	70.6
Female	467	*	≥95.0	1110	554	556	88.6	72.6	71.5
Black/African Am.	1,036	948	91.5	874	445	430	53.4	25.7	24.3
Male	512	457	89.3	853	429	424	45.5	23.2	21.4
Female	524	491	93.7	894	460	434	60.7	28.1	26.9
Hispanic/Latino	466	417	89.5	859	430	429	47.5	23.7	22.5
Male	240	213	88.8	854	421	432	42.3	27.7	25.8
Female	226	204	90.3	866	440	426	52.9	19.6	19.1
White	1,699	*	≥95.0	1048	530	518	85.0	64.5	62.9
Male	842	*	≥95.0	1043	519	524	82.1	64.9	62.8
Female	857	*	≥95.0	1053	541	512	87.8	64.1	63.0
Two or More Races	254	236	92.9	991	505	486	76.7	50.4	47.9
Male	130	121	93.1	974	490	484	69.4	51.2	46.3
Female	124	115	92.7	1008	520	487	84.3	49.6	49.6
FARMS	780	690	88.5	833	417	416	40.9	19.6	17.4
Male	393	341	86.8	823	408	416	36.1	22.0	19.6
Female	387	349	90.2	843	426	417	45.6	17.2	15.2
ESOL	172	152	88.4	755	360	395	11.8	9.9	5.9
Male	98	86	87.8	753	357	397	11.6	11.6	7.0
Female	74	66	89.2	757	363	393	12.1	7.6	≤5.0
Special Ed	281	248	88.3	789	392	397	27.8	12.1	10.1
Male	176	153	86.9	792	389	403	28.1	15.0	11.8
Female	105	95	90.5	785	398	387	27.4	7.4	7.4

*Note.* Participation rate is based on enrollment on the PSAT test date. Performance percentage rates less than or equal to 5% are suppressed and numerator reported as \* to protect student privacy. Data excludes non-diploma-bound students. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 10, College Board benchmarks are: ERW section ≥ 430, Math section ≥ 480.

Table A12

HCPSS **Grade 11** PSAT Participation and Performance by Gender within Student Group, SY2018

Student Group	N Students	n Took PSAT	% Took PSAT	PSAT Total	ERW Section	Math Section	College Board Benchmark		
							% Met ERW	% Met Math	% Met Both
All	3,990	3,746	93.9	1072	538	534	74.7	55.4	53.8
Male	1,987	1,859	93.6	1067	530	537	72.0	56.3	54.0
Female	2,003	1,887	94.2	1077	547	531	77.3	54.5	53.6
Asian	788	*	≥95.0	1196	587	609	85.4	78.8	76.9
Male	394	*	≥95.0	1187	576	611	81.5	77.0	74.4
Female	394	*	≥95.0	1206	598	608	89.4	80.6	79.3
Black/African Am.	908	833	91.7	931	473	457	53.1	25.2	23.9
Male	454	415	91.4	914	461	453	48.7	24.3	22.2
Female	454	418	92.1	947	486	461	57.4	26.1	25.6
Hispanic/Latino	384	345	89.8	938	475	463	51.0	29.6	28.4
Male	190	168	88.4	930	467	464	48.8	29.8	28.0
Female	194	177	91.2	945	482	463	53.1	29.4	28.8
White	1,646	1,554	94.4	1113	561	552	85.2	64.9	63.3
Male	841	794	94.4	1115	555	559	84.1	68.1	66.0
Female	805	760	94.4	1111	567	544	86.3	61.4	60.4
Two or More Races	258	239	92.6	1096	555	541	80.8	59.8	58.2
Male	105	96	91.4	1093	546	546	75.0	59.4	56.3
Female	153	143	93.5	1098	561	537	84.6	60.1	59.4
FARMS	600	526	87.7	895	449	446	40.7	20.7	19.2
Male	306	265	86.6	886	441	445	38.9	23.0	20.4
Female	294	261	88.8	905	457	448	42.5	18.4	18.0
ESOL	112	99	88.4	797	385	412	12.1	9.1	7.1
Male	70	60	85.7	801	386	416	15.0	11.7	8.3
Female	42	39	92.9	790	383	407	7.7	5.1	5.1
Special Ed	223	186	83.4	811	408	403	23.1	9.7	8.6
Male	138	114	82.6	814	409	405	24.6	11.4	10.5
Female	85	72	84.7	805	405	400	20.8	6.9	5.6

*Note.* Participation rate is based on enrollment on the PSAT test date. Performance percentage rates less than or equal to 5% are suppressed and numerator reported as \* to protect student privacy. Data excludes non-diploma-bound students. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 11, College Board benchmarks are: ERW section ≥ 460, Math section ≥ 510.



February 25, 2019

**CONFIDENTIAL**  
**MEMORANDUM**

To: Members of the Board of Education

From: Michael J. Martirano, Ed.D.  
Superintendent

Subject: Three-Year PSAT Participation and Performance Trends

The purpose of this memorandum is to share the October PSAT participation rates, performance rates, and comparison data for the 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grade students of the Howard County Public School System. The comparison data includes participation and performance for all students and by student group from the October PSAT administrations from school years 2016-2017 to 2018-2019.

- Over 94% of the students participated in the October 2018 PSAT program.
- HCPSS students' mean PSAT scores exceeded the college and career readiness benchmarks established by the College Board.
- Participation and performance gaps persist between student groups. Across Grades 9 through 11, Black/African American students and Hispanic/Latino students; as well as students who receive special services, including free and reduced-price meals, English Speakers of Other Languages services, and special education services, had lower participation rates and performance scores on the PSAT than their peers.
- Performance gaps between student groups are even wider when comparing the percentage of students who met college-and-career-readiness criteria on the PSAT.

If you have further questions, please contact Karalee Turner-Little, Deputy Superintendent, at [karalee\\_turner-little@hcpss.org](mailto:karalee_turner-little@hcpss.org).

Copy to: Executive Staff  
Board of Education Office

## Overview

Howard County Public School System (HCPSS) students continue to excel on the PSAT, with participation rates over 94 percent and mean performances that exceed college and career readiness benchmarks established by the College Board. At the same time, participation and performance gaps persist between student groups. Across Grades 9 through 11, Black/African American (Black) students and Hispanic/Latino (Latino) students; as well as students who receive free and Reduced-Price meals (FARMS), English Speakers of Other Languages (ESOL), or special education services had lower participation rates and performance scores on the PSAT than their peers. Performance gaps between student groups are even wider when comparing the percentage of students who met college-and-career-readiness criteria on the PSAT.

Before the 2017 school year, HCPSS administered the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) to all Grades 10 and 11 students. Participation in the PSAT for Grade 9 students was offered on request. Starting school year 2017, HCPSS elected to administer the PSAT 8/9 to all Grade 9 students. HCPSS elected to provide a census administration of the PSAT for several reasons that support students' college readiness<sup>1</sup>. First, sitting for the PSAT gives students relevant practice in preparation for the SAT college entrance exam. The PSAT is also an entrance requirement for students who are interested in competing for scholarships and recognition in the National Merit Scholarship program. In addition, the College Board's AP Potential tool, based on PSAT scores, is useful for administrators and guidance counselors as they work with students and their families. In particular, AP Potential is informative in building the academic program, both in the selection of the next challenging and appropriate level of course work, as well as in informing student participation in the advanced placement program.

## Score Structure

Starting October 2015 (school year 2016), the College Board began administration of the redesigned PSAT/NMSQT to measure the knowledge and skills essential for college and career readiness and success<sup>2</sup>. The College Board redesigned its SAT Suite of Assessments to use a common score scale. This design allows scores on the PSAT and the SAT to be comparable. For example, if a student received a total score of 900 on the PSAT, the same student would be predicted to score a 900 on the SAT if he or she had taken the SAT on that same day. Scores imply the same level of academic achievement on both assessments.

The PSAT/NMSQT (Grades 10 and 11) total score ranges from 320 to 1520. The test is comprised of the Evidence-Based Reading and Writing (ERW) and Math section scores. The scores for each section range from 160 to 760. The ERW section combines the Reading test and Writing and Language test scores. The Math section is derived only from the Math test score. Each test score (Reading, Writing and Language, and Math tests) ranges from 8 to 38. Two cross-test scores are also provided based on student performance on items across the three tests that relate to performance in the areas of Analysis in History/Social Studies and Analysis in Science.

The PSAT 8/9 (Grade 9) is structured like the PSAT/NMSQT, but the total score ranges from 240 to 1440. Each section score ranges from 120 to 720 and each test score (Reading, Writing and Language, and Math tests) ranges from 6 to 36.

The section and total scores for the PSAT 8/9 and PSAT/NMSQT have been vertically scaled to align with the redesigned SAT. The full score scale that is common across the full SAT Suite of Assessments (from PSAT 8/9 through the SAT) have ranges as displayed in Table 1.

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<sup>1</sup> Proctor, T. P., Wyatt, J., & Wiley, A. (2010). *PSAT/NMSQT® indicators of college readiness*. College Board Research Report No. 2010-4. New York: The College Board.

<sup>2</sup> The College Board. (2017). *PSAT10: Understanding scores*. Retrieved from <https://collegereadiness.collegeboard.org/pdf/psat-10-understanding-scores-2017.pdf>

Table 1 Score Scale Ranges of the PSAT 8/9, PSAT/NMSQT, SAT, and Full SAT Suite of Assessments				
	PSAT 8/9	PSAT/NMSQT	SAT	Full SAT Suite of Assessments
Total	240 to 1440	320 to 1520	400 to 1600	240 to 1600
Section	120 to 720	160 to 760	200 to 800	120 to 800
Test	6 to 36	8 to 38	10 to 40	6 to 40
Cross-test	6 to 36	8 to 38	10 to 40	6 to 40

To do well on the SAT Suite of Assessments, the College Board<sup>2</sup> suggests that students should participate in challenging course work, read extensively, develop strong writing skills, and engage in deliberate practice in the three math areas emphasized in its Suite of Assessments.

### PSAT Overall Participation and Performance

As displayed in Figure 1, high percentages of all Grades 9, 10, and 11 students took the PSAT in 2017 through 2019.

- In 2019, 4,541 of 4,787 (94.9%) Grade 9 students took the PSAT<sup>3</sup>.
- At least 95% of the 4,449 Grade 10 students took the PSAT in 2019<sup>4</sup>.
- In 2019, 3,950 of 4,234 (93.3%) Grade 11 students took the PSAT<sup>5</sup>.

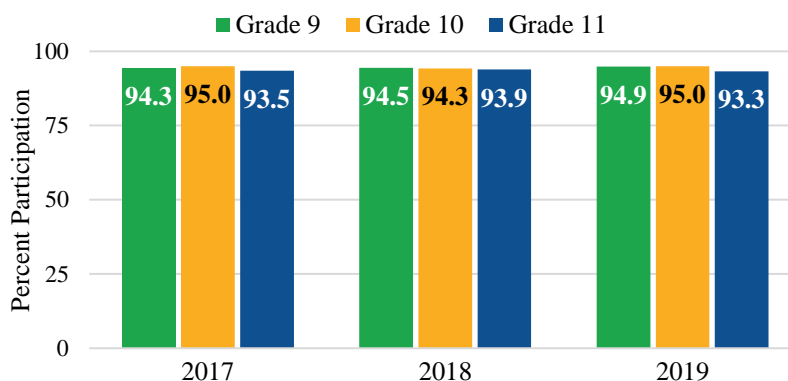


Figure 1. PSAT participation rates by grade level from 2017 to 2019. Participation rates greater than or equal to 95 percent have been suppressed to display as “95.0” to protect student privacy.

<sup>3</sup> Table A2 in the appendix displays Grade 9 students’ participation and performance on the PSAT overall and by student group.

<sup>4</sup> Table A3 displays Grade 10 students’ participation and performance on the PSAT overall and by student group.

<sup>5</sup> Table A4 displays Grade 11 students’ participation and performance on the PSAT overall and by student group.



The PSAT total mean score for school year 2019 was 938 for Grade 9, 1003 for Grade 10, and 1074 for Grade 11 students. Figure 2 displays PSAT total mean scores for each grade from 2017 through 2019.<sup>6</sup>

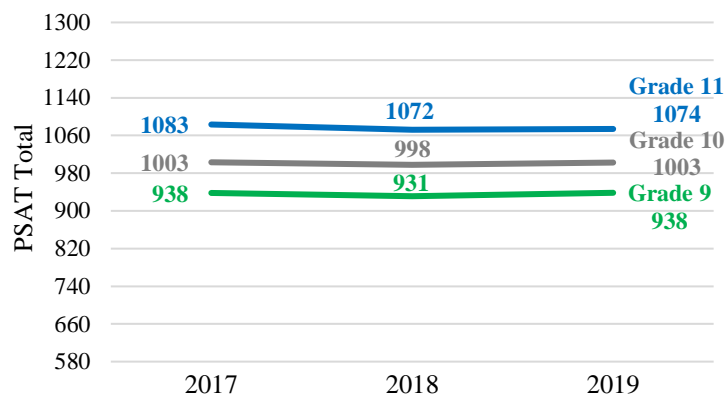


Figure 2. PSAT total mean scores by grade level from 2017 to 2019.

Figure 3 displays HCPSS students' performance on the PSAT Evidence-Based Reading and Writing (ERW) and Math sections from 2017 to 2019.

- HCPSS students' mean performance on the PSAT continues to exceed the college and career readiness benchmarks<sup>7</sup> in both ERW and Math across all three grade levels.
- In 2019 the mean ERW section score was 468 for Grade 9, 504 for Grade 10, and 540 for Grade 11 students.
- The mean Math section score was 471 for Grade 9, 499 for Grade 10, and 533 for Grade 11 students.

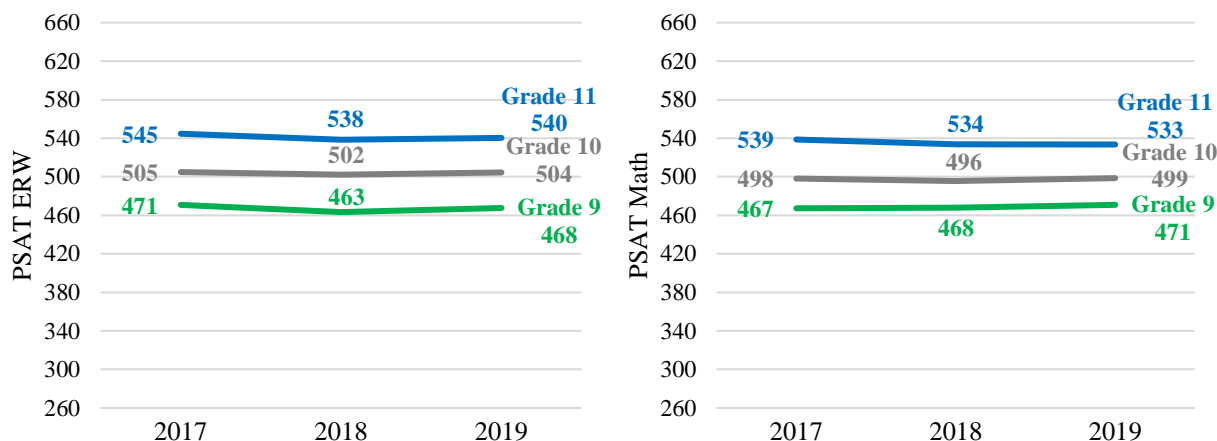


Figure 3. PSAT Evidence-Based Reading and Writing section (left) and Math section (right) mean scores by grade level from 2017 to 2019.

<sup>6</sup> Table A1 in the appendix provides the overall PSAT participation and performance data for Grades 9 through 11 from 2017 to 2019. Tables A8 to A10 in the appendix provides the overall PSAT participation and performance data by high school.

<sup>7</sup> College Board college and career ready benchmarks are: Grade 9 – ERW 410, Math 450; Grade 10 – ERW 430, Math 480; Grade 12 – ERW 460, Math 510

### PSAT Participation and Performance by Race/Ethnicity

Figure 4 displays PSAT participation rates in Grades 9 through 11 by racial/ethnic group.

- Grade 9 students' 2019 PSAT participation was similar to 2017, except for Latino and Two or More Races students, who increased participation by three and two percentage points, respectively.
- Grade 9 2019 participation rates ranged from 86 percent for Latino students to 93 percent for Black students, to at least 95 percent for all other racial/ethnic groups.
- Grade 10 students' 2019 PSAT participation was similar to 2017, with changes differing by one percentage point.
- Grade 10 2019 participation rates ranged from 92 percent for Black and Latino students; to at least 95 percent for Asian, White and Two or More Races students.
- Grade 11 PSAT participation decreased by one, three, and four percentage points for Black, Latino, and Two or More Races students, respectively, from 2017 to 2019. For other racial groups, 2019 PSAT participation rates were similar to 2017.
- Grade 11 2019 participation rates ranged from 90 for Latino students and 91 percent for Black and Two or More Races students, to at least 93 percent for White and Asian student groups.
- These data reflect a participation gap of at least 9, 3, and 6 percentage points in Grades 9, 10, and 11, respectively, between the racial/ethnic groups with the highest- and lowest-participation rates.

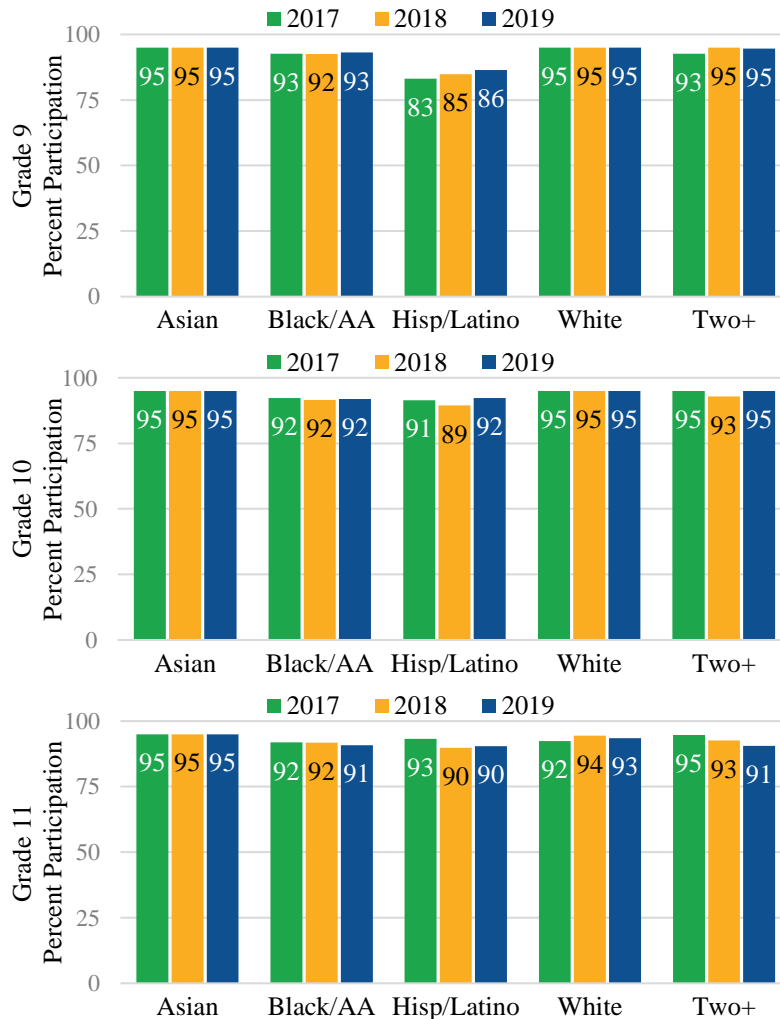


Figure 4. Grades 9 through 11 PSAT participation rates from 2017 to 2019. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.

The next sets of figures visualize PSAT mean performance and gaps by racial/ethnic group from Grades 9 through 11. For each set, the first row displays performance on the total score, followed by the ERW and then the math section in the third row.

Comparing Asian students' performance to their peers' performance:

- Asian students consistently achieved a mean score that is above the mean score of all other students in all three grades across the three years.
- This performance gap between Asian students and their peers widened in 2019 compared to 2017.
- Grade 9: An increase in the performance gap on the PSAT total score between Asian and all other students from 122 points in 2017 to 149 and 141 points in 2018 and 2019, respectively.
- Grade 10: An increase in the performance gap on the PSAT total score between Asian and all other students from 138 and 136 points in 2017 and 2018, respectively, to 153 points in 2019.
- Grade 11: An increase in the performance gap on the PSAT total score between Asian and all other students from 140 points in 2017 to 156 and 158 points in 2018 and 2019, respectively.



Comparing Black/African American (Black) students' performance to their peers' performance:

- Black students consistently achieved a mean score that is below the mean score of all other students in all three grades across the three years.
- This performance gap between Black students and their peers widened or remained the same in 2019 compared to 2017.
- Grade 9: A steady increase in the performance gap on the PSAT total score between Black and all other students from 154 points in 2017 to 168 in 2018, to 182 points in 2019.
- Grade 10: An increase in the performance gap on the PSAT total score between Black and all other students from 160 and 161 points in 2017 and 2018, respectively, to 171 points in 2019.
- Grade 11: A stable gap in performance on the PSAT total score between Black and all other students at 182 points in 2017 and 2018 to 180 points in 2019.



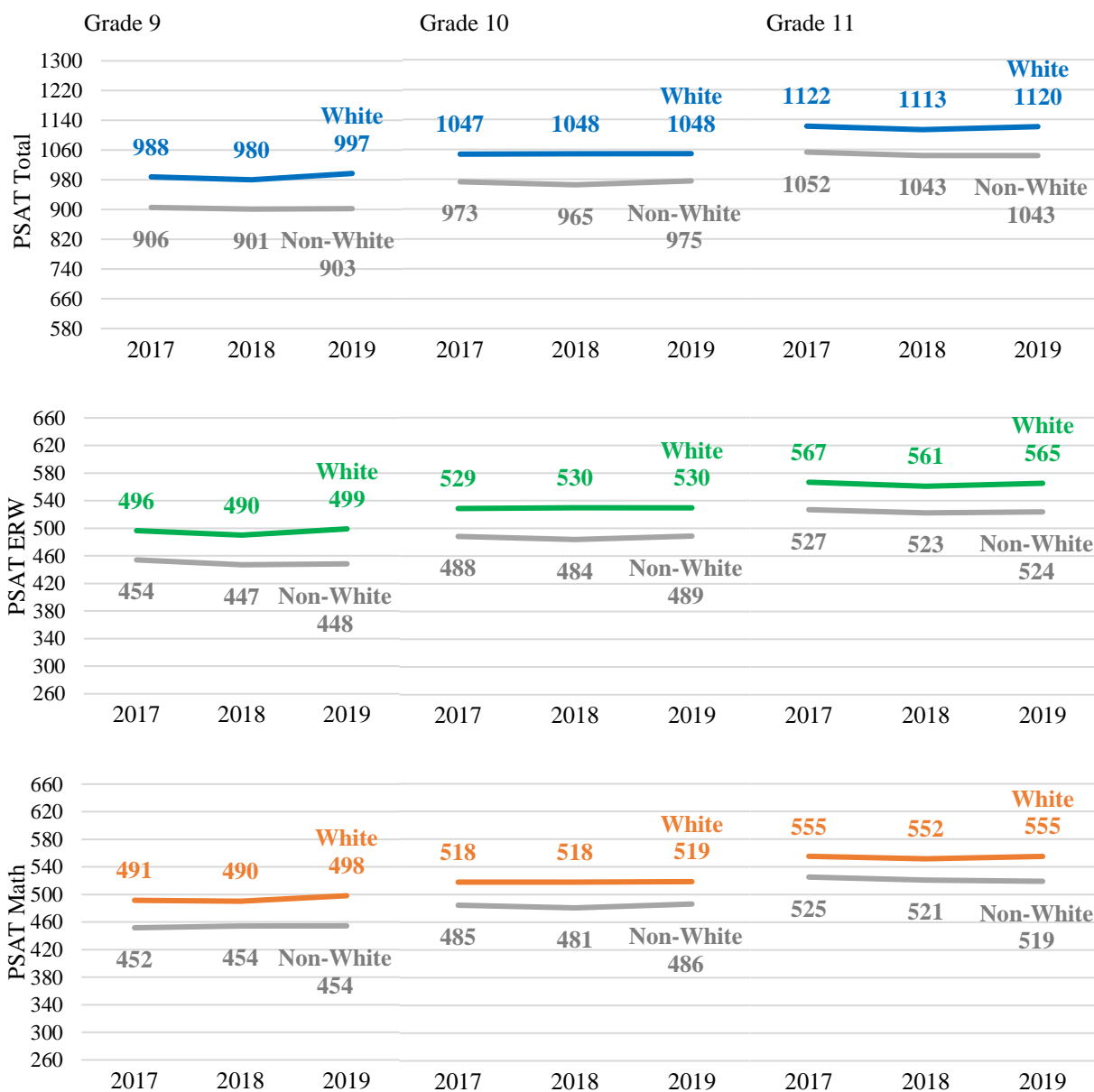
Comparing Hispanic/Latino (Latino) students' performance to their peers' performance:

- Latino students consistently achieved a mean score that is below the mean score of all other students in all three grades across the three years.
- This performance gap between Latino students and their peers decreased slightly for Grades 9 and 11 students in 2019 compared to 2017, but increased for Grade 10 students.
- Grade 9: A decrease in the performance gap on the PSAT total score between Latino and all other students from 127 and 129 points in 2017 and 2018, respectively, to 123 points in 2019.
- Grade 10: An increase in the performance gap on the PSAT total score between Latino and all other students from 137 points in 2017 to 154 points in 2018, followed by a decrease to 140 points in 2019.
- Grade 11: A decrease in the performance gap on the PSAT total score between Latino and all other students from 158 points in 2017 to 148 points in 2018, followed by an increase to 155 points in 2019.



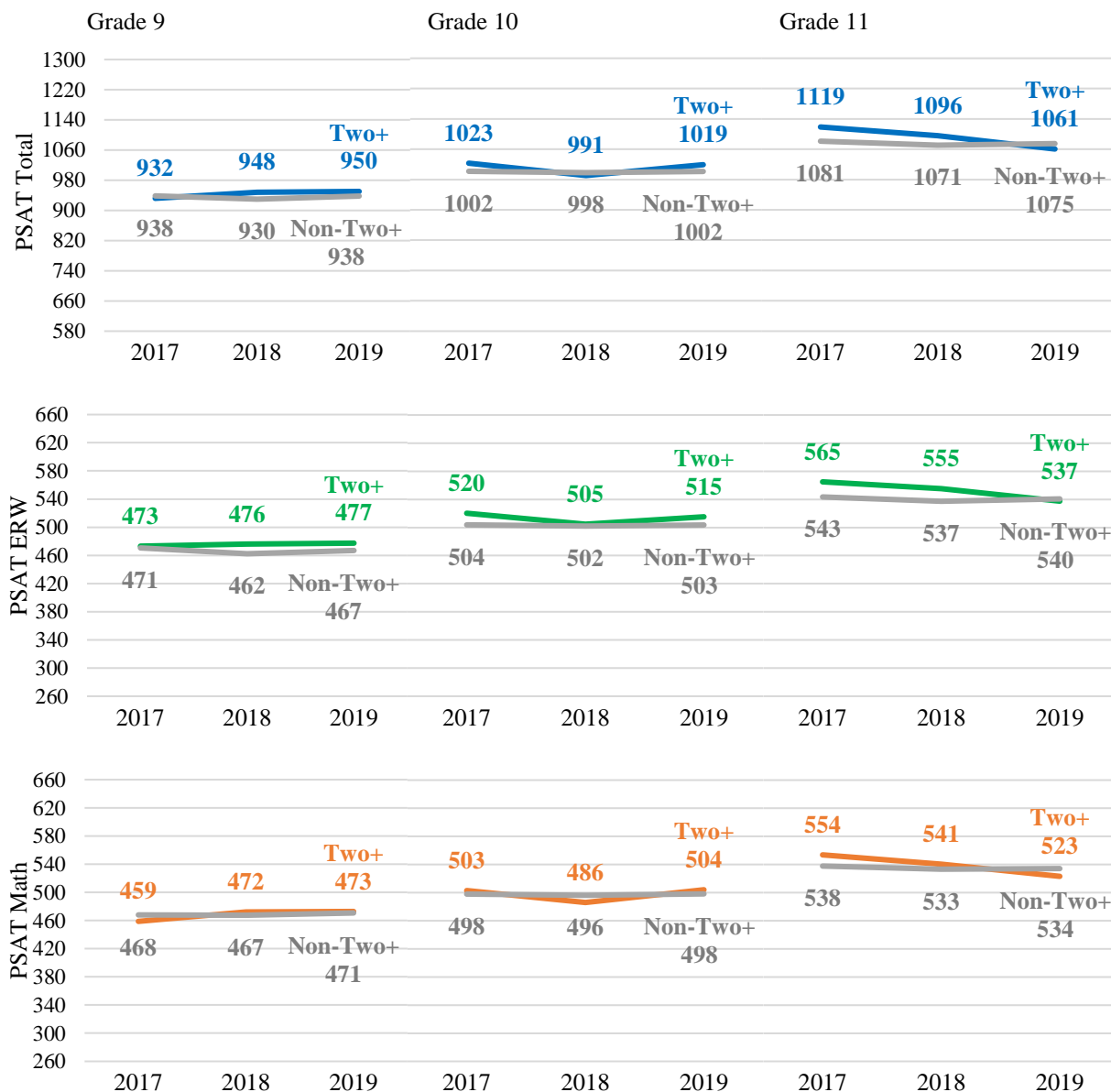
Comparing White students' performance to their peers' performance:

- White students consistently achieved a mean score that is above the mean score of all other students in all three grades across the three years.
- This performance gap between White students and their peers widened or maintained in 2019 compared to 2017.
- Grade 9: An increase in the performance gap on the PSAT total score between White and all other students from 82 and 79 points in 2017 and 2018, respectively, to 94 points in 2019.
- Grade 10: An increase in the performance gap on the PSAT total score between White and all other students from 74 points in 2017 to 83 points in 2018, followed by a decrease to 73 points in 2019.
- Grade 11: An increase in the performance gap on the PSAT total score between White and all other students from 70 points in 2017 and 2018 to 77 points in 2019.



Comparing Two or More Races students' performance to their peers' performance:

- Two or More Races students consistently achieved a mean score that is similar to the mean score of all other students in all three grades across the three years.
- Grade 9: Two or More Races students performed lower than their peers on the PSAT total in 2017 by 6 points, but outperformed their peers by 12 points in 2019.
- Grade 10: Two or More Races students outperformed their peers on the PSAT total in 2017 by 21 points, which decreased to a performance gap of 17 points in 2019.
- Grade 11: Two or More Races students outperformed their peers on the PSAT total in 2017 by 38 points, but scored lower than their peers by 14 points in 2019.



## PSAT Participation and Performance by Special Services

Figure 5 displays Grades 9 through 11 students' PSAT participation by special service status.

- By special service status, Grade 9 students' 2019 PSAT participation was similar to 2017 except for students who were eligible for English for Speakers of Other Languages (ESOL) services, who had a 9 percentage-point increase in participation.
- In Grades 9 through 11, at least 94 percent of students who did not receive Free and Reduced-Price Meal Services (FARMS) took the PSAT in 2019; compared to 88 to 90 percent of their peers who received FARMS—a participation gap of at least 5 percentage points in each grade.
- In Grades 9 through 11, at least 94 percent of students who were not eligible for ESOL services took the PSAT in 2019; compared to 77 to 90 percent of their peers identified as English Learners (EL)—resulting in participation gaps of at least 18 percentage points in Grade 9, at least 5 percentage points in Grade 10, and 9 percentage points in Grade 11.
- In Grades 9 through 11, at least 94 percent of students who did not receive special education services took the PSAT in 2019; compared to 86 percent of their peers who received special education services—a participation gap of at least 8 percentage points in each grade.

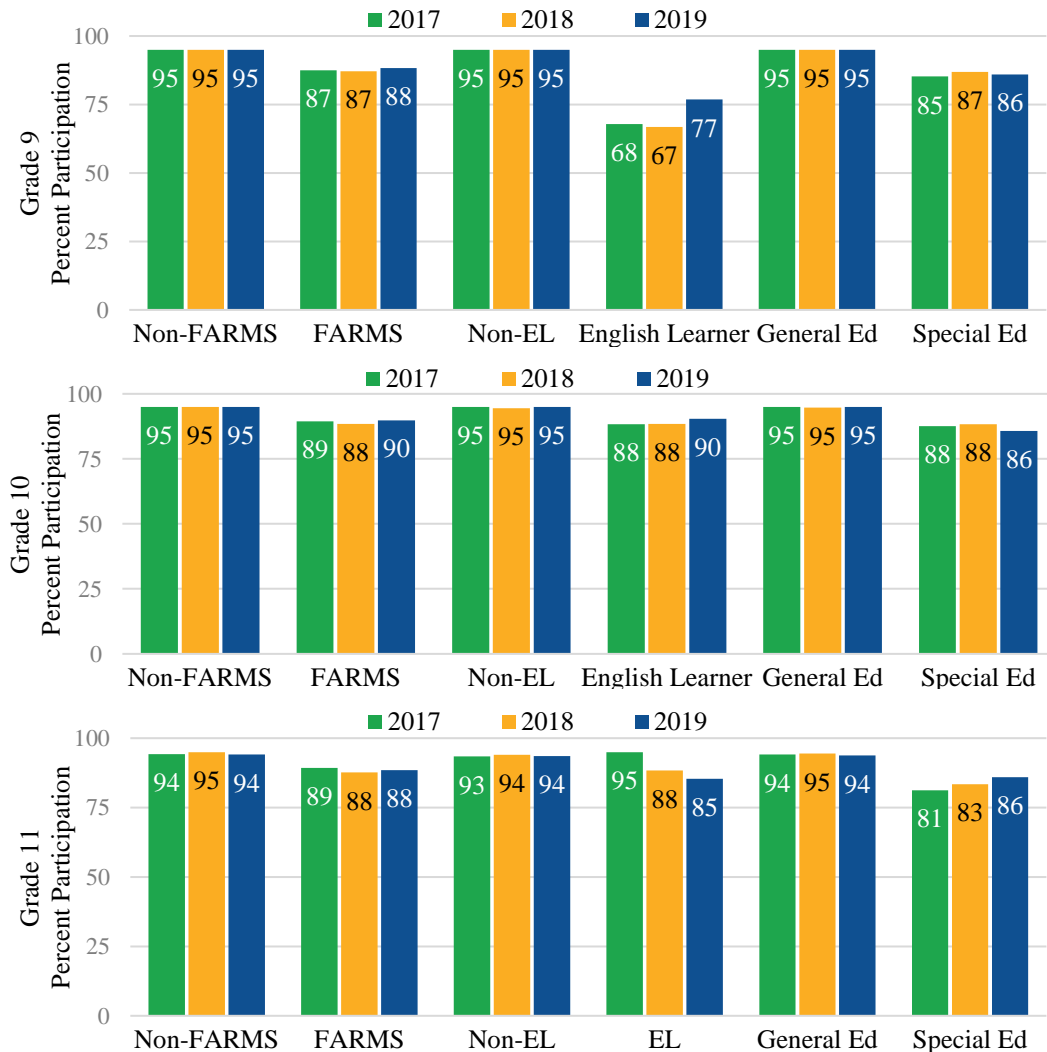


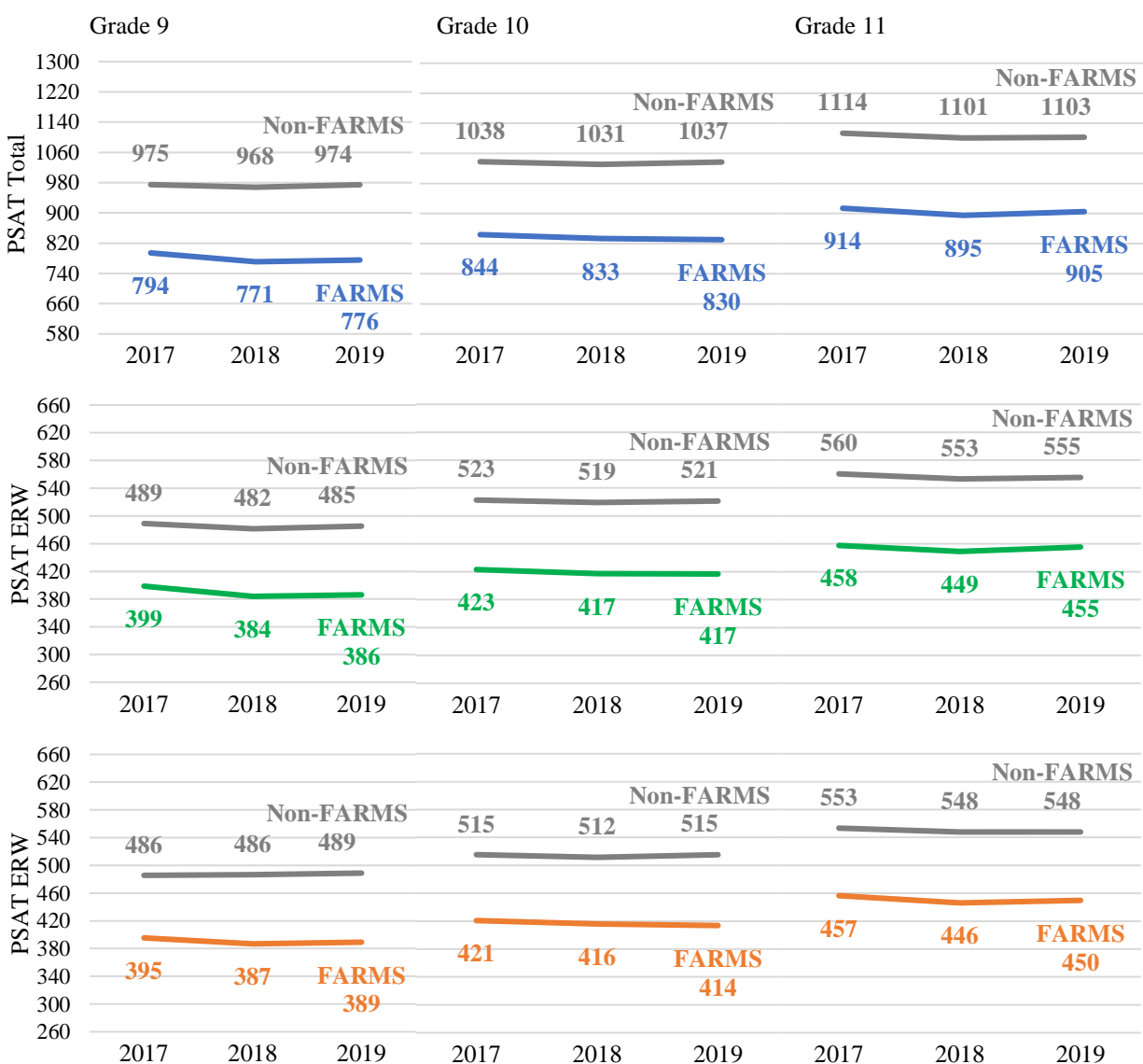
Figure 5. Grades 9 through 11 PSAT participation rates from 2017 to 2019. Participation rates greater than or equal to 95 percent have been suppressed to display as “95” to protect student privacy.



The next sets of figures visualize PSAT mean performance and gaps by special service group in Grades 9 through 11. For each set, the first row displays performance on the total score, followed by the ERW and then the Math section in the third row.

Comparing students' performance by free and reduce-priced meal service (FARMS) status:

- Students who received FARMS consistently achieved a mean score that is below the mean score of their peers who did not receive FARMS in all three grades across the three years.
- In Grades 9 and 10, this performance gap by FARMS status widened in 2019 compared to 2017.
- Grade 9: An increase in the performance gap on the PSAT total score by FARMS status from 181 points in 2017 to 197 and 198 points in 2018 and 2019, respectively.
- Grade 10: An increasing trend in the performance gap on the PSAT total score by FARMS status from 194 and 198 points in 2017 and 2018, respectively, to 207 points in 2019.
- Grade 11: An increase in the performance gap on the PSAT total score by FARMS status from 200 points in 2017 to 206 points in 2018, followed by a decrease to 198 points in 2019.



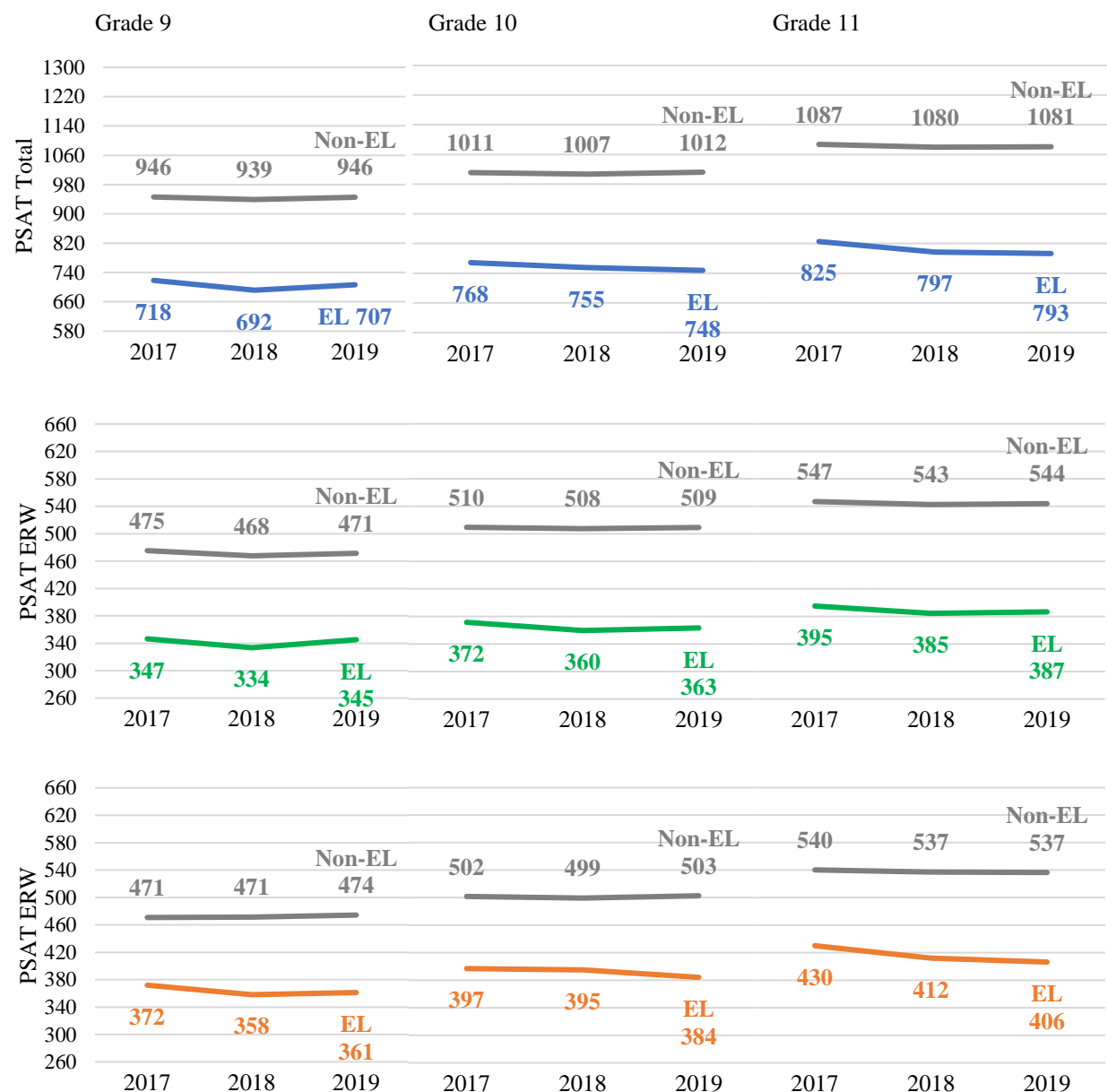
Comparing students' performance by special education service status:

- Students who received special education services consistently achieved a mean score that is below the mean score of their peers who did not receive special education services in all three grades across the three years.
- This performance gap by special education service status widened in 2019 compared to 2017.
- Grade 9: An increase in the performance gap on the PSAT total score by special education service status from 234 points in 2017 to 246 and 251 points in 2018 and 2019, respectively.
- Grade 10: A decrease in the performance gap on the PSAT total score by special education service status from 230 points in 2017 to 222 points in 2018, followed by an increase to 253 points in 2019.
- Grade 11: An increase in the performance gap on the PSAT total score by special education service status from 266 points in 2017 to 275 and 276 points in 2018 and 2019, respectively.



# Comparing students' performance by ESOL service status:

- Students who received ESOL services consistently achieved a mean score that is below the mean score of their peers who did not receive ESOL services in all three grades across the three years.
- This performance gap by ESOL service status widened in 2019 compared to 2017.
- Grade 9: An increase in the performance gap on the PSAT total score by ESOL service status from 228 points in 2017 to 247 and 239 points in 2018 and 2019, respectively.
- Grade 10: An increase in the performance gap on the PSAT total score by ESOL service status from 243 points in 2017 to 252 points in 2018, followed by another increase to 264 points in 2019.
- Grade 11: An increase in the performance gap on the PSAT total score by ESOL service status from 262 points in 2017 to 283 and 288 points in 2018 and 2019, respectively.



## PSAT Scores and College and Career Readiness

With the redesigned SAT Suite of Assessments, the College Board considers students as college and career ready (CCR) when they meet *both* the ERW and Math section benchmark scores; the College Board does not provide a CCR benchmark for the total score<sup>8</sup>. As displayed in Table 2, the College Board grade-level CCR benchmarks for the ERW section in Grades 10 and 11 are 430 and 460, respectively; and 480 and 510, respectively, for the Math section.

Table 2

College and Career Readiness Benchmarks as Measured by the PSAT/NMSQT		
Grade	Evidence-Based Reading and Writing	Mathematics
Grade 9	410	450
Grade 10	430	480
Grade 11	460	510

The College Board uses a 75-percent likelihood that the student would achieve a C-average or higher in first-year, credit-bearing college courses to determine these benchmark scores. The College Board will conduct an additional benchmark study after students who have taken the redesigned SAT have earned college course grades in SY2018.

Figure 24 displays the percentage of PSAT test takers considered CCR in each grade.<sup>9</sup>

- Overall, just over half (54 to 55 percent) of all test takers in each grade met or exceeded both the ERW and Math section benchmark scores on the PSAT in 2019.
- The percent of test takers who met CCR criteria remained the same in 2019 compared to 2017 in Grades 9 and 10; in Grade 11, the percentage decreased from 57 to 55 percent.

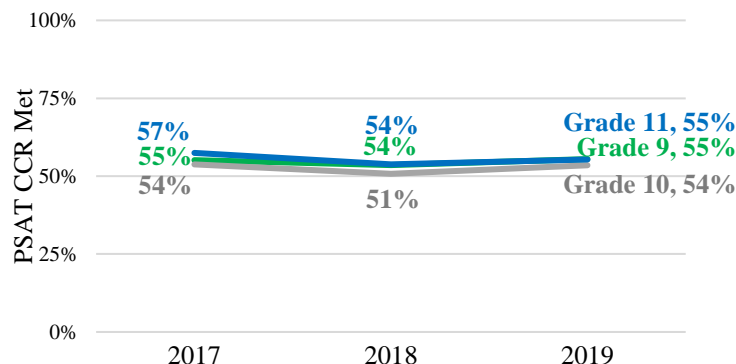


Figure 24. Percent of Grades 9 through 11 students who met both the PSAT ERW and Math CCR benchmarks.

Figure 25 displays the percentage of test takers who met the PSAT CCR benchmarks in each grade by race/ethnicity. By race/ethnicity in 2019:

- The percent of test takers who met the PSAT CCR criteria was the lowest for Black and Latino students with less than a third of students meeting CCR criteria in either group.
- Over half of Two or More Races students met CCR criteria.
- About two-thirds or more of White students (65 to 70 percent) and over three-quarters of Asian students (76 to 77 percent) met CCR criteria.

<sup>8</sup> <https://collegereadiness.collegeboard.org/about/scores/benchmarks>

<sup>9</sup> Tables A5-A7 display the percentage of PSAT test takers in each grade who met the PSAT section benchmark scores for college and career readiness (CCR) overall and by student group.

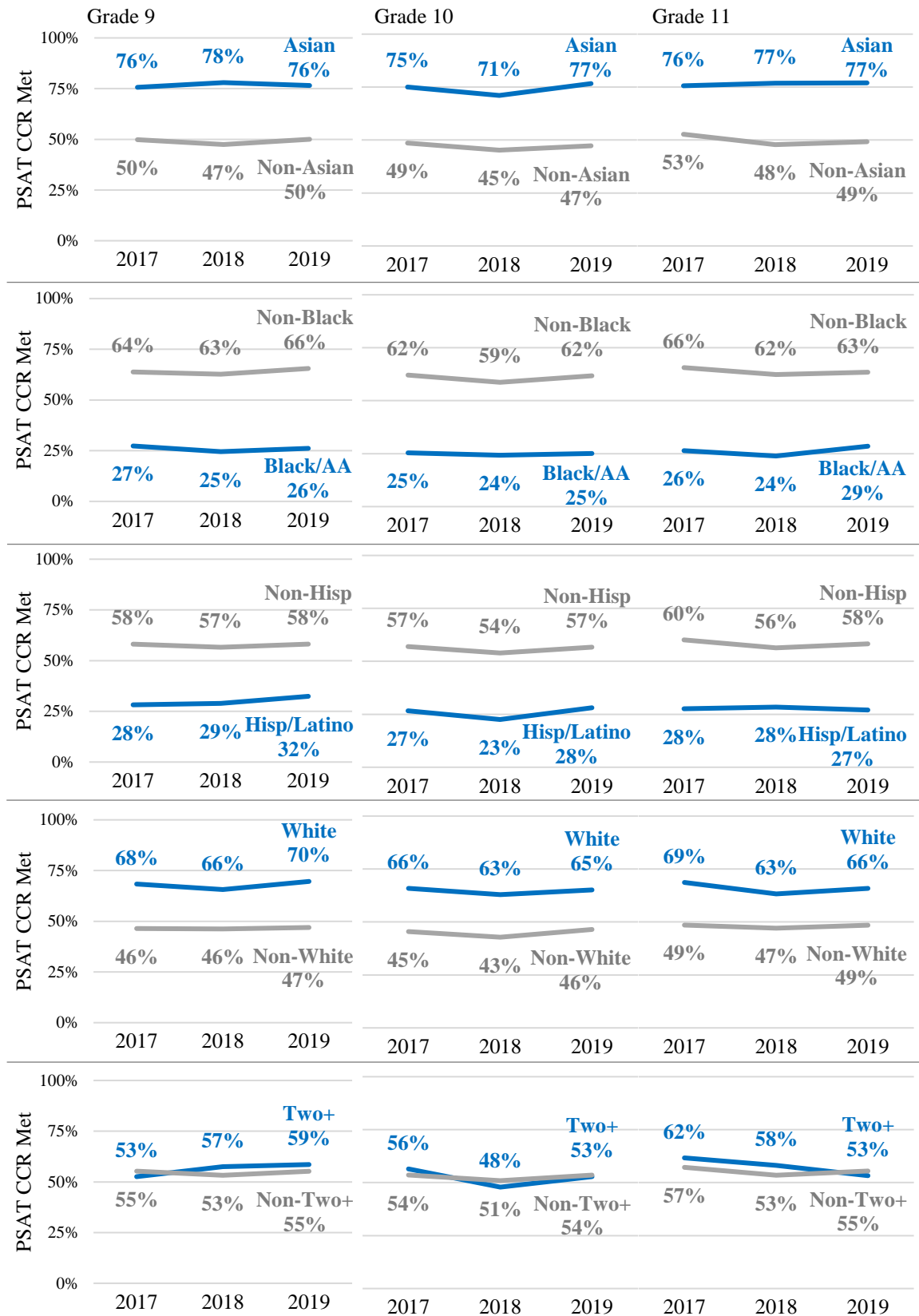


Figure 25. Percent of Grades 9 through 11 test takers who met both the PSAT ERW and Math college and career readiness benchmark scores by race/ethnicity.

Figure 26 displays the percentage of test takers who met the PSAT CCR scores by special service status.

- For 2019 PSAT test takers who received FARMS, less than a fourth (17 to 24 percent) met both CCR benchmark scores; compared to over half (61 to 63 percent) of their peers who did not receive FARMS.
- This reflects an achievement gap of 37 to 44 percentage points by FARMS status in 2019, which has widened in Grades 9 and 10 and decreased slightly in Grade 11 since 2017.
- For 2019 PSAT test takers who were eligible for ESOL services, 7 percent or less met both CCR benchmark scores; compared to over half (55 to 57 percent) of their peers who were non-ELs.
- This reflects an achievement gap of 49 to 52 percentage points by English learner status in 2019, which has remained similar since 2017.
- For 2019 PSAT test takers who received special education services, 9 to 11 percent met both CCR benchmark scores; compared to over half (56 to 59 percent) of their peers who did not receive special education services.
- This reflects an achievement gap of 47 to 49 percentage points by special education service status in 2019—a narrowed gap for Grade 11 since 2017, but this gap remains similar for Grades 9 and 10.

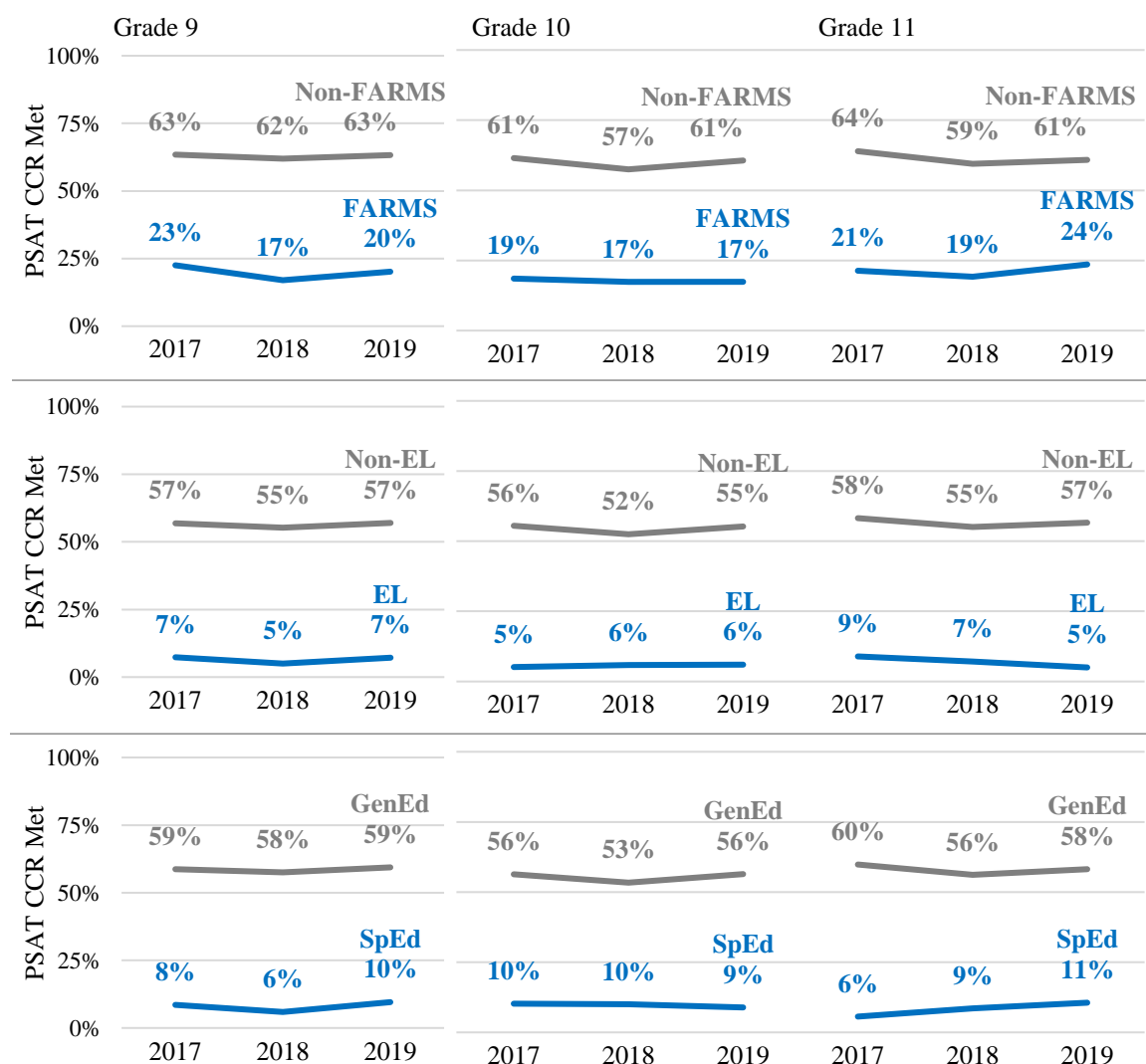


Figure 26. Percent of Grades 9 through 11 test takers who met both the PSAT ERW and Math CCR scores by special service status. Percentages less than or equal to 5 are suppressed to display as 5%.

## Conclusion

Participation in the PSAT increases students' exposure to the SAT Suite of Assessment, enhancing their familiarity with college entrance exams that they may take if they apply to higher education institutions. For Grade 10 and 11 students, their PSAT scores qualify them to be considered for the National Merit Scholarship Program. PSAT is also an equity tool that schools use to identify students for acceleration opportunities and close opportunity gaps for students. Some ways in which schools currently utilize PSAT data include:

- Triangulating PSAT 9 scores, Grade 9 Algebra 1 performance, and Grade 8 MAP data to identify students who could accelerate their math programming by taking Geometry in summer school after Grade 9. This allows students who are on-grade-level in math as they enter high school to access Advanced Placement math by their senior year.
- Leveraging PSAT data to identify students to participate in AP preparation activities (e.g., Step-It-Up to AP workshops) prior to those students taking their first AP course.
- Using PSAT section and cross-test scores as one piece of data to guide instructional planning to identify areas for student growth.

As a whole, HCPSS students continue to excel on the PSAT, with high participation rates and mean performances that exceed college and career readiness expectations established by the College Board. At the same time, participation and performance gaps persist between student groups. Across Grades 9 through 11, Black/African American students and Hispanic/Latino students; as well as students who receive FARMS, ESOL, or special education services; had lower participation rates on the PSAT than their peers. These student groups also earned lower PSAT scores, on average, than their peers. Performance gaps between student groups were even larger when comparing the percentage of students who met college-and-career-readiness criteria on the PSAT.

Based on the current data, the following recommendations may be considered:

- School improvement efforts should continue to emphasize strategies that provide equitable learning opportunities to all students, and provide targeted supports to students based on assessed needs.
- School leaders should continue to leverage PSAT results and encourage teachers to collaborate with students to review their PSAT performance in the context of other academic information and student interest to inform course selection and high school plans.
- As recommended by the College Board instruction at all grade levels should include extensive opportunities for students to read both fiction and informational text, engage in writing tasks with appropriate feedback for improvement and enroll in mathematics courses all four years of the high school program.
- School staff may leverage AP Potential information published by the College Board to encourage students who show potential and interest to consider Advanced Placement coursework.

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Table A1  
PSAT Participation and Performance (Mean) of HCPSS Students by Grade, 2017-2019

Grade	N Enrolled			n Took PSAT			Percent Took				Total Score				ERW Section				Math Section			
	2017	2018	2019	2017	2018	2019	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change
Grade 9	4,564	4,632	4,787	4,304	4,375	4,541	94.3	94.5	94.9	0.4	938	931	938	7	471	463	468	4	467	468	471	3
Grade 10	4,164	4,368	4,449	*	4,118	*	≥95.0	94.3	≥95.0	±0.0	1003	998	1003	0	505	502	504	-1	498	496	499	0
Grade 11	3,946	3,990	4,234	3,689	3,746	3,950	93.5	93.9	93.3	-0.2	1083	1072	1074	-9	545	538	540	-5	539	534	533	-5

*Note.* Data reflect enrollment as of PSAT administration date of each year.

Table A2

## PSAT Participation and Performance (Mean) of HCPSS Grade 9 Students by Student Group, 2017-2019

Student Group	N Enrolled			% Participation				Total				Evidence-Based Read & Write				Math			
	2017	2018	2019	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change
All Grade 9	4,564	4,632	4,787	94.3	94.5	94.9	0.6	938	931	938	0	471	463	468	-3	467	468	471	4
Female	2,269	2,207	2,331	≥95.0	≥95.0	≥95.0	±0.0	951	938	949	-2	484	473	479	-6	467	466	470	3
Male	2,295	2,425	2,456	93.6	93.7	93.6	0.1	925	924	928	3	457	454	457	0	468	470	471	4
Race/Ethnicity																			
Asian	902	894	951	≥95.0	≥95.0	≥95.0	±0.0	1035	1050	1050	15	512	511	513	1	523	539	537	14
Black/African American	1,106	1,133	1,244	92.7	92.5	93.2	0.5	821	803	803	-18	416	403	404	-13	405	400	400	-6
Hispanic/Latino	516	566	539	83.1	84.8	86.5	3.3	824	816	828	4	414	408	414	0	410	408	414	3
White	1,759	1,707	1,766	≥95.0	≥95.0	≥95.0	±0.0	988	980	997	9	496	490	499	3	491	490	498	7
Two or More Races	271	322	278	92.6	≥95.0	94.6	2.0	932	948	950	18	473	476	477	4	459	472	473	14
Special Services																			
Non-FARMS	3,565	3,694	3,857	≥95.0	≥95.0	≥95.0	±0.0	975	968	974	0	489	482	485	-4	486	486	489	3
FARMS	999	938	930	87.5	87.1	88.3	0.8	794	771	776	-18	399	384	386	-12	395	387	389	-6
Non-EL	4,343	4,418	4,606	≥95.0	≥95.0	≥95.0	±0.0	946	939	946	0	475	468	471	-4	471	471	474	4
English Learner	221	214	181	67.9	66.8	76.8	8.9	718	692	707	-12	347	334	345	-1	372	358	361	-11
General Education	4,205	4,243	4,373	≥95.0	≥95.0	≥95.0	±0.0	955	950	958	3	479	473	477	-2	475	478	481	5
Special Education	359	389	414	85.2	86.9	86.0	0.8	721	704	707	-14	358	352	352	-6	363	352	355	-7

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Non-Diploma bound students were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Price Meals System.

Table A3  
PSAT Participation and Performance (Mean) of HCPSS Grade 10 Students by Student Group, 2017-2019

Student Group	N Enrolled			% Participation				Total				Evidence-Based Read & Write				Math			
	2017	2018	2019	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change
All Grade 10	4,164	4,368	4,449	≥95.0	94.3	≥95.0	±0.0	1003	998	1003	0	505	502	504	-1	498	496	499	0
Female	2,052	2,206	2,158	≥95.0	95.0	≥95.0	±0.0	1016	1007	1009	-7	517	514	515	-2	499	494	494	-5
Male	2,112	2,162	2,291	94.6	93.6	≥95.0	≥0.4	991	988	997	6	493	490	494	1	498	498	503	5
Race/Ethnicity																			
Asian	787	901	918	≥95.0	≥95.0	≥95.0	±0.0	1114	1105	1123	9	549	546	555	6	565	559	568	3
Black/African American	973	1,036	1,044	92.3	91.5	91.9	-0.4	879	874	871	-9	448	445	442	-6	432	430	428	-3
Hispanic/Latino	456	466	517	91.4	89.5	92.3	0.8	881	859	879	-2	444	430	442	-2	436	429	436	0
White	1,677	1,699	1,652	≥95.0	≥95.0	≥95.0	±0.0	1047	1048	1048	1	529	530	530	1	518	518	519	0
Two or More Races	264	254	310	≥95.0	92.9	≥95.0	±0.0	1023	991	1019	-4	520	505	515	-5	503	486	504	1
Special Services																			
Non-FARMS	3,368	3,588	3,674	≥95.0	≥95.0	≥95.0	±0.0	1038	1031	1037	-1	523	519	521	-1	515	512	515	0
FARMS	796	780	775	89.4	88.5	89.8	0.4	844	833	830	-14	423	417	417	-6	421	416	414	-7
Non-EL	4,010	4,196	4,283	≥95.0	94.5	≥95.0	±0.0	1011	1007	1012	1	510	508	509	0	502	499	503	1
English Learner	154	172	166	88.3	88.4	90.4	2.0	768	755	748	-21	372	360	363	-8	397	395	384	-13
General Education	3,907	4,087	4,147	≥95.0	94.7	≥95.0	±0.0	1016	1011	1018	2	512	509	512	1	505	502	506	2
Special Education	257	281	302	87.5	88.3	85.8	-1.8	786	789	765	-20	393	392	382	-11	393	397	383	-10

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as ≥95.0 or ≤5.0. Non-Diploma bound students were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Price Meals Services.

Table A4

## PSAT Participation and Performance (Mean) of HCPSS Grade 11 Students by Student Group, 2017-2019

Student Group	N Enrolled			% Participation				Total				Evidence-Based Read & Write				Math			
	2017	2018	2019	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change
All Grade 11	3,946	3,990	4,234	93.5	93.9	93.3	-0.2	1083	1072	1074	-10	545	538	540	-4	539	534	533	-5
Female	1,939	2,003	2,171	93.8	94.2	93.7	-0.1	1090	1077	1083	-7	553	547	552	-2	537	531	531	-5
Male	2,007	1,987	2,063	93.2	93.6	92.8	-0.3	1077	1067	1064	-13	536	530	528	-8	541	537	536	-5
Race/Ethnicity																			
Asian	781	788	897	≥95.0	≥95.0	≥95.0	±0.0	1194	1196	1197	2	588	587	590	1	606	609	607	1
Black/African American	834	908	1,004	91.8	91.7	90.8	-1.0	939	931	935	-4	477	473	478	1	462	457	457	-5
Hispanic/Latino	323	384	397	93.2	89.8	90.4	-2.8	938	938	933	-5	475	475	473	-2	464	463	460	-3
White	1,771	1,646	1,670	92.4	94.4	93.5	1.0	1122	1113	1120	-2	567	561	565	-1	555	552	555	0
Two or More Races	226	258	253	94.7	92.6	90.5	-4.2	1119	1096	1061	-58	565	555	537	-27	554	541	523	-31
Special Services																			
Non-FARMS	3,318	3,390	3,577	94.3	95.0	94.2	-0.1	1114	1101	1103	-11	560	553	555	-5	553	548	548	-5
FARMS	628	600	657	89.3	87.7	88.4	-0.9	914	895	905	-9	458	449	455	-2	457	446	450	-7
Non-EL	3,887	3,878	4,125	93.5	94.0	93.5	0.0	1087	1080	1081	-7	547	543	544	-3	540	537	537	-4
EL	59	112	109	94.9	88.4	85.3	-9.6	825	797	793	-32	395	385	387	-9	430	412	406	-24
General Education	3,749	3,767	3,970	94.1	94.5	93.8	-0.4	1095	1086	1090	-5	550	545	548	-2	544	541	542	-3
Special Education	197	223	264	81.2	83.4	86.0	4.8	829	811	814	-15	417	408	414	-3	411	403	400	-11

*Note.* Participation rate is based on PSAT administration date. Percentage rates that are greater than or equal to 95 percent, or less than or equal to 5 percent are reported as  $\geq 95.0$  or  $\leq 5.0$ . Non-Diploma bound students were excluded. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students. FARMS=Free and Reduced-Price Meals System.

Table A5  
Percent of HCPSS Grade 9 Test Takers Meeting PSAT Subtest Benchmarks for College and Career Readiness (CCR)\*  
by Race/Ethnicity and Special Service Groups, 2017 - 2019

Student Group	n Took PSAT			ERW				Math				Both ERW & Math			
	2017	2018	2019	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change
All Grade 9	4,304	4,375	4,541	72.1	70.2	69.3	-2.7	58.5	56.8	59.6	1.1	55.1	53.6	55.5	0.3
Female	2,157	2,102	2,242	77.6	73.7	73.6	-3.9	58.7	57.2	59.5	0.8	56.5	54.9	56.8	0.4
Male	2,147	2,273	2,299	66.6	66.9	65.2	-1.4	58.3	56.4	59.8	1.5	53.8	52.3	54.2	0.4
Race/Ethnicity															
Asian	891	876	936	85.5	86.6	83.3	-2.2	78.7	82.0	82.5	3.8	75.6	78.0	76.5	0.9
Black/African Am.	1,025	1,048	1,159	50.4	44.9	43.4	-7.0	30.5	27.8	29.2	-1.4	27.3	24.5	26.1	-1.2
Hispanic/Latino	429	480	466	48.5	48.3	47.4	-1.1	33.3	31.5	36.1	2.7	28.2	29.0	32.4	4.2
White	1,699	1,653	1,709	83.5	82.8	84.3	0.8	71.9	68.9	73.8	1.9	68.4	65.6	69.6	1.2
Two or More	251	308	263	76.5	75.6	75.3	-1.2	54.2	59.1	62.4	8.2	52.6	57.5	58.6	6.0
Special Services															
Non-FARMS	3,430	3,558	3,720	79.5	78.0	77.2	-2.3	66.5	64.9	67.4	0.9	63.4	61.9	63.3	-0.2
FARMS	874	817	821	43.0	35.9	33.6	-9.4	27.1	21.3	24.4	-2.8	22.5	17.0	20.2	-2.3
Non-EL	4,154	4,232	4,402	74.2	72.2	71.2	-3.0	60.0	58.3	61.0	1.0	56.9	55.2	57.0	0.1
English Learner	150	143	139	14.0	9.8	10.8	-3.2	16.0	11.2	15.8	-0.2	7.3	3.5	7.2	-0.1
General Ed	3,998	4,037	4,185	76.1	74.6	73.7	-2.4	61.9	60.8	63.6	1.7	58.7	57.5	59.4	0.7
Special Ed	306	338	356	19.6	17.5	18.3	-1.3	13.7	8.6	12.9	-0.8	8.5	5.9	9.6	1.1

*Note.* Non-Diploma bound students were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as  $\geq 95.0$  or  $\leq 5.0$ , respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*PSAT benchmarks vary by grade level and subtest. For Grade 10, College Board benchmarks are: ERW section  $\geq 430$ , Math section  $\geq 480$ .

Table A6  
Percent of HCPSS Grade 10 Test Takers Meeting PSAT Subtest Benchmarks for College and Career Readiness (CCR)\*  
by Race/Ethnicity and Special Service Groups, 2017 - 2019

Student Group	n Took PSAT			ERW				Math				Both ERW & Math			
	2017	2018	2019	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change
All Grade 10	3,963	4,118	4,239	74.0	73.6	74.2	0.2	56.1	52.4	55.3	-0.8	53.8	50.8	53.5	-0.3
Female	1,964	2,095	2,062	78.9	78.0	77.5	-1.4	57.1	52.3	54.7	-2.4	55.6	51.3	53.5	-2.1
Male	1,999	2,023	2,177	69.2	69.1	71.0	1.8	55.2	52.5	55.9	0.7	52.0	50.2	53.5	1.5
Race/Ethnicity															
Asian	777	881	904	84.4	85.9	86.9	2.5	78.1	73.0	79.2	1.1	75.0	71.1	76.7	1.6
Black/African Am.	898	948	959	54.3	53.4	53.0	-1.4	28.2	25.7	26.4	-1.8	25.4	24.3	25.1	-0.3
Hispanic/Latino	417	417	477	47.7	47.5	50.9	3.2	28.8	23.7	30.4	1.6	26.6	22.5	28.1	1.5
White	1,609	1,626	1,596	85.8	85.0	85.5	-0.4	67.6	64.5	66.9	-0.7	65.9	62.9	65.2	-0.7
Two or More	255	236	295	79.6	76.7	80.0	0.4	60.0	50.4	54.2	-5.8	56.5	47.9	52.9	-3.6
Special Services															
Non-FARMS	3,251	3,428	3,543	81.1	80.2	80.8	-0.3	63.5	59.0	62.3	-1.2	61.5	57.5	60.6	-0.9
FARMS	712	690	696	41.6	40.9	40.4	-1.2	22.3	19.6	19.5	-2.8	18.5	17.4	17.4	-1.2
Non-EL	3,827	3,966	4,089	76.2	76.0	76.4	0.2	57.7	54.0	57.0	-0.7	55.5	52.5	55.2	-0.3
English Learner	136	152	150	11.0	11.8	12.0	1.0	12.5	9.9	9.3	-3.2	5.1	5.9	6.0	0.9
General Ed	3,738	3,870	3,980	77.0	76.5	77.6	0.6	58.7	55.0	58.3	-0.5	56.4	53.4	56.4	0.0
Special Ed	225	248	259	24.4	27.8	22.0	-2.4	12.9	12.1	10.0	-2.9	10.2	10.1	8.9	-1.3

*Note.* Non-Diploma bound students were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as  $\geq 95.0$  or  $\leq 5.0$ , respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*PSAT benchmarks vary by grade level and subtest. For Grade 10, College Board benchmarks are: ERW section  $\geq 430$ , Math section  $\geq 480$ .

Table A7  
Percent of HCPSS Grade 11 *Test Takers* Meeting PSAT Subtest Benchmarks for College and Career Readiness (CCR)\*  
by Race/Ethnicity and Special Service Groups, 2017 - 2019

Student Group	<i>n</i> Took PSAT			ERW				Math				Both ERW & Math			
	2017	2018	2019	2017	2018	2019	Change	2017	2018	2019	Change	2017	2018	2019	Change
All Grade 11	3,689	3,746	3,950	77.5	74.7	76.5	-1.0	59.3	55.4	56.8	-2.4	57.5	53.8	55.4	-2.1
Female	1,819	1,887	2,035	80.6	77.3	80.0	-0.6	58.8	54.5	55.9	-3.0	57.8	53.6	54.7	-3.1
Male	1,870	1,859	1,915	74.5	72.0	72.9	-1.6	59.7	56.3	57.9	-1.8	57.1	54.0	56.0	-1.1
Race/Ethnicity															
Asian	763	769	878	88.1	85.4	87.6	-0.5	77.7	78.8	78.9	1.2	75.6	76.9	77.0	1.4
Black/African Am.	766	833	912	56.3	53.1	56.1	-0.1	28.5	25.2	29.8	1.4	26.4	23.9	28.5	2.1
Hispanic/Latino	301	345	359	54.5	51.0	54.3	-0.2	28.9	29.6	28.7	-0.2	27.6	28.4	27.0	-0.6
White	1,637	1,554	1,561	86.3	85.2	86.7	0.4	70.3	64.9	67.3	-3.0	68.7	63.3	65.9	-2.8
Two or More	214	239	229	82.2	80.8	81.2	-1.0	63.6	59.8	53.7	-9.8	61.7	58.2	53.3	-8.4
Special Services															
Non-FARMS	3,128	3,220	3,369	83.0	80.2	81.5	-1.5	65.7	61.0	62.3	-3.4	63.9	59.4	60.8	-3.1
FARMS	561	526	581	47.2	40.7	47.8	0.6	23.5	20.7	25.3	1.8	21.4	19.2	23.6	2.2
Non-EL	3,633	3,647	3,857	78.5	76.4	78.0	-0.5	60.0	56.6	58.0	-2.0	58.2	55.1	56.6	-1.6
English Learner	56	99	93	12.5	12.1	16.1	3.6	12.5	9.1	7.5	-5.0	8.9	7.1	≤5.0	≤-3.9
General Ed	3,529	3,560	3,723	80.0	77.4	79.5	-0.5	61.6	57.8	59.7	-2.0	59.8	56.2	58.1	-1.7
Special Ed	160	186	227	23.8	23.1	28.6	4.9	6.9	9.7	10.6	3.7	5.6	8.6	10.6	4.9

*Note.* Non-Diploma bound students were excluded. Percentages greater than or equal to 95 or less than or equal to 5 are reported as ≥95.0 or ≤5.0, respectively, to protect student confidentiality. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are not reported separately but are included with all students.

\*Preliminary benchmarks vary by grade level and subtest. For Grade 11, College Board benchmarks are: ERW section ≥ 460, Math section ≥ 510.

Table A8

## HCPSS Grade 9 PSAT Participation and Performance (Mean Scores) by High School, 2017 - 2019

High School	N Enrolled			n Took PSAT			% Took PSAT				Total Score				ERW Section				Math Section			
	2017	2018	2019	2017	2018	2019	2017	2018	2019	Chg	2017	2018	2019	Chg	2017	2018	2019	Chg	2017	2018	2019	Chg
Atholton	367	372	368	348	*	*	94.8	≥95.0	≥95.0	≥0.2	989	981	950	-39	497	486	471	-26	492	495	479	-13
Centennial	398	430	382	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1031	1037	1039	9	516	511	512	-4	515	525	528	13
Glenelg	314	281	313	298	*	*	94.9	≥95.0	≥95.0	≥0.1	988	999	1020	31	489	492	506	17	499	508	513	14
Hammond	368	390	391	349	346	359	94.8	88.7	91.8	-3.0	834	831	831	-3	420	419	418	-2	414	411	413	-1
Homewood	31	37	42	9	12	11	29.0	32.4	26.2	-2.8	-	674	709		-	360	370		-	314	339	
Howard	520	499	480	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	925	921	937	12	468	461	471	3	458	460	467	9
Long Reach	459	473	416	423	440	382	92.2	93.0	91.8	-0.3	849	835	835	-14	429	418	419	-10	420	416	416	-4
Marriotts Ridge	340	348	362	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1039	1012	1047	8	519	499	517	-2	520	512	531	11
Mt. Hebron	427	378	441	*	359	*	≥95.0	95.0	≥95.0	±0.0	971	972	956	-15	482	484	476	-6	489	488	480	-9
Oakland Mills	330	325	328	288	289	306	87.3	88.9	93.3	6.0	844	825	830	-14	431	417	417	-14	413	408	413	0
Reservoir	364	453	434	343	*	401	94.2	≥95.0	92.4	-1.8	903	910	904	1	458	453	453	-5	445	457	451	7
River Hill	291	277	473	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1070	1064	1044	-26	527	519	516	-11	543	545	528	-15
Wilde Lake	355	369	357	327	339	328	92.1	91.9	91.9	-0.2	840	827	833	-7	423	415	418	-6	417	412	416	-1

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students. School is determined by students' school of enrollment. Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.



Table A9

## HCPSS Grade 10 PSAT Participation and Performance (Mean Scores) by High School, 2017 - 2019

High School	N Enrolled			n Took PSAT			% Took PSAT				Total Score				ERW Section				Math Section			
	2017	2018	2019	2017	2018	2019	2017	2018	2019	Chg	2017	2018	2019	Chg	2017	2018	2019	Chg	2017	2018	2019	Chg
Atholton	370	371	373	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1034	1037	1054	20	522	521	530	8	512	516	525	13
Centennial	369	414	412	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1090	1094	1131	41	544	548	562	18	547	546	569	22
Glenelg	295	320	285	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1055	1022	1063	8	525	510	531	6	530	512	532	1
Hammond	309	311	357	293	259	331	94.8	83.3	92.7	-2.1	925	894	891	-33	470	451	452	-18	455	442	439	-16
Homewood	36	27	35	11	8	6	30.6	29.6	17.1	-13.4	700	-	-		360	-	-		340	-	-	
Howard	412	513	485	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1013	986	989	-24	511	499	502	-9	502	488	487	-16
Long Reach	417	421	392	382	385	368	91.6	91.4	93.9	2.3	905	903	889	-16	456	457	453	-3	449	446	436	-13
Marriotts Ridge	325	341	351	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1078	1088	1086	8	541	550	545	4	538	537	541	3
Mt. Hebron	393	408	381	368	*	*	93.6	≥95.0	≥95.0	≥1.4	1050	1020	1036	-14	528	510	515	-13	521	510	520	-1
Oakland Mills	279	318	318	264	297	*	94.6	93.4	≥95.0	≥0.4	867	886	885	18	437	448	448	11	429	438	437	8
Reservoir	377	326	429	*	*	403	≥95.0	≥95.0	93.9	≤-1.1	948	967	977	29	482	490	494	12	466	477	483	17
River Hill	276	287	312	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1138	1141	1121	-17	571	567	556	-15	567	574	565	-2
Wilde Lake	306	311	319	274	283	293	89.5	91.0	91.8	2.3	931	904	902	-29	470	457	457	-13	462	447	445	-17

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students. School is determined by students' school of enrollment. Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.

Table A10  
HCPSS **Grade 11** PSAT Participation and Performance (Mean Scores) by High School, 2017 - 2019

High School	N Enrolled			n Took PSAT			% Took PSAT				Total Score				ERW Section				Math Section			
	2017	2018	2019	2017	2018	2019	2017	2018	2019	Chg	2017	2018	2019	Chg	2017	2018	2019	Chg	2017	2018	2019	Chg
Atholton	348	371	366	324	*	*	93.1	≥95.0	≥95.0	≥1.9	1130	1108	1114	-16	568	557	562	-7	562	551	552	-10
Centennial	379	373	400	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1181	1165	1179	-2	587	580	590	3	594	585	588	-6
Glenelg	274	285	309	238	*	282	86.9	≥95.0	91.3	4.4	1120	1132	1097	-23	564	563	549	-15	556	569	548	-8
Hammond	280	283	288	256	261	269	91.4	92.2	93.4	2.0	996	985	957	-40	508	501	482	-25	489	483	474	-14
Homewood	19	16	21	3	6	2	15.8	37.5	9.5	-6.3	-	-	-		-	-	-		-	-	-	
Howard	464	408	490	*	381	462	≥95.0	93.4	94.3	≤-0.7	1072	1080	1056	-17	539	542	532	-7	534	538	524	-10
Long Reach	334	358	370	309	324	345	92.5	90.5	93.2	0.7	979	977	987	8	494	496	502	7	485	482	486	1
Marriotts Ridge	294	334	354	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1170	1142	1168	-1	586	570	589	3	584	572	580	-4
Mt. Hebron	379	390	402	355	362	*	93.7	92.8	≥95.0	≥1.3	1112	1088	1102	-10	556	543	549	-7	556	545	553	-3
Oakland Mills	270	235	302	247	212	273	91.5	90.2	90.4	-1.1	927	935	946	20	469	474	478	9	457	461	468	11
Reservoir	337	364	327	319	*	*	94.7	≥95.0	≥95.0	≥0.3	1033	1008	1045	13	523	512	531	8	510	496	514	5
River Hill	307	282	304	*	*	*	≥95.0	≥95.0	≥95.0	±0.0	1202	1210	1200	-2	604	604	596	-8	598	606	604	6
Wilde Lake	261	291	301	233	262	246	89.3	90.0	81.7	-7.5	1014	975	962	-53	510	490	488	-22	504	484	474	-31

*Note.* Enrollment is based on PSAT administration date and excludes non-diploma-bound students. School is determined by students' school of enrollment. Percentages greater than or equal to 95 and less than or equal to 5 are suppressed, and data for groups with fewer than 10 enrolled are not reported to protect student privacy. Performance for groups with fewer than 10 test takers are not reported.