

Section 13. Student Characteristics

Summary Statistics

The results presented in Tables 13.1 and 13.3 to 13.5 are based on the combined results for students who took the tests in October 2011 and January, April, May, and Summer 2012. All results are based on the final Research files sent to MSDE. Students' scale score means and standard deviations are presented in Table 13.1 to 13.2.

Table 13.1 MD Mod-HSA Means and Standard Deviations for 2011-2012 Overall and by Grade

		N	Mean	SD
Algebra	Overall	8,670	362.3	48.0
	Grade			
	8	35	358.3	54.4
	9	1,540	360.6	50.1
	10	2,430	365.0	45.3
	11	2,449	361.9	47.4
	12	2,088	361.0	49.5
Biology	Overall	5,955	363.2	43.6
	Grade			
	9	353	358.9	45.8
	10	1,654	369.4	42.6
	11	2,211	363.5	42.1
	12	1,683	358.0	45.1
English	Overall	6,824	362.2	38.9
	Grade			
	9	255	353.9	46.8
	10	1,786	364.2	38.7
	11	2,592	363.7	36.6
	12	2,117	361.3	40.5

Table 13.2 MD Mod-HSA Mean Scale Scores by Content Area and Test Administration

Content Area	October			January			April			May			Summer		
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD
Algebra	2,234	358.2	49.6	2,217	364.6	45.8	524	362.6	50.1	3,491	363.7	47.5	206	356.0	52.6
Biology	1,640	360.8	43.5	1,454	359.7	44.2	338	357.3	45.1	2,369	367.7	42.8	154	365.8	42.4
English	1,886	359.9	40.6	1,736	361.0	39.0	524	362.5	40.2	2,526	364.9	37.1	152	360.3	37.7

The mean scale scores are presented for the years 2008 through 2012 by content area in Table 13.3. Table 13.4 presents the passing rates for these years.

Table 13.3 MD Mod-HSA Mean Scale Scores by Content Area and Test Year

Content Area	2008	2009	2010	2011	2012
Algebra	360.1	363.2	360.5	362.3	362.3
Biology	360.2	365.0	366.0	362.3	363.2
English	353.2	360.2	359.6	359.2	362.2
Government*	357.2	359.2	355.9	354.8	-

*May 2011 was the last administration of the Government HSA.

Table 13.4 MD Mod-HSA Percentage Passing Rates (Proficient + Advanced) by Content Area and Test Year

Content Area	2008	2009	2010	2011	2012
Algebra	9.8	9.2	8.8	9.4	8.1
Biology	16.1	14.5	13.8	13.2	13.3
English	10.4	12.2	12.6	12.0	13.9
Government*	19.9	20.3	17.1	17.2	-

*May 2011 was the last administration of the Government HSA.

The Algebra and English tests are used for the high school mathematics and English/language arts components of the MSDE Adequate Yearly Progress report as required under the NCLB Act. Beginning with the January 2008 administration, Biology was used for the NCLB science component. Table 13.5 presents the percentage of Algebra, Biology, and English students classified as Basic, Proficient, and Advanced in 2012. Figures 13.1 through 13.3 show the distribution of scale scores for the May 2012 administration for each content area.

Table 13.5 MD Mod-HSA Percentage of Students in Each Performance Category by Content Area

Content Area	Basic	Proficient	Advanced
Algebra	91.9	7.8	0.3
Biology	86.7	13.2	0.1
English	86.1	13.3	0.6

Summary statistics for all students and for subgroups based on gender, special education programs, ethnicity, and English language fluency are presented in Tables 13.6 through 13.20. The tables include the number of students tested for whom valid scores were

available, mean scale scores, and standard deviations of scale scores. In addition, raw score reliabilities are provided for the overall group of examinees and for subgroups.

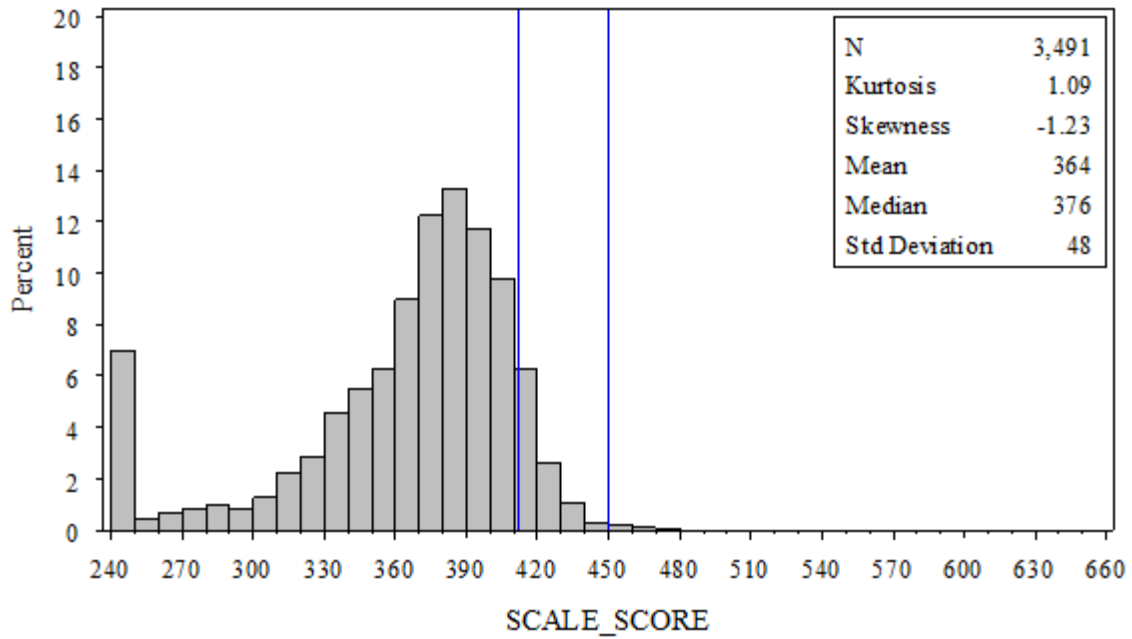


Figure 13.1 Histogram of Total Scale Scores for MD Mod-HSA May 2012 Algebra

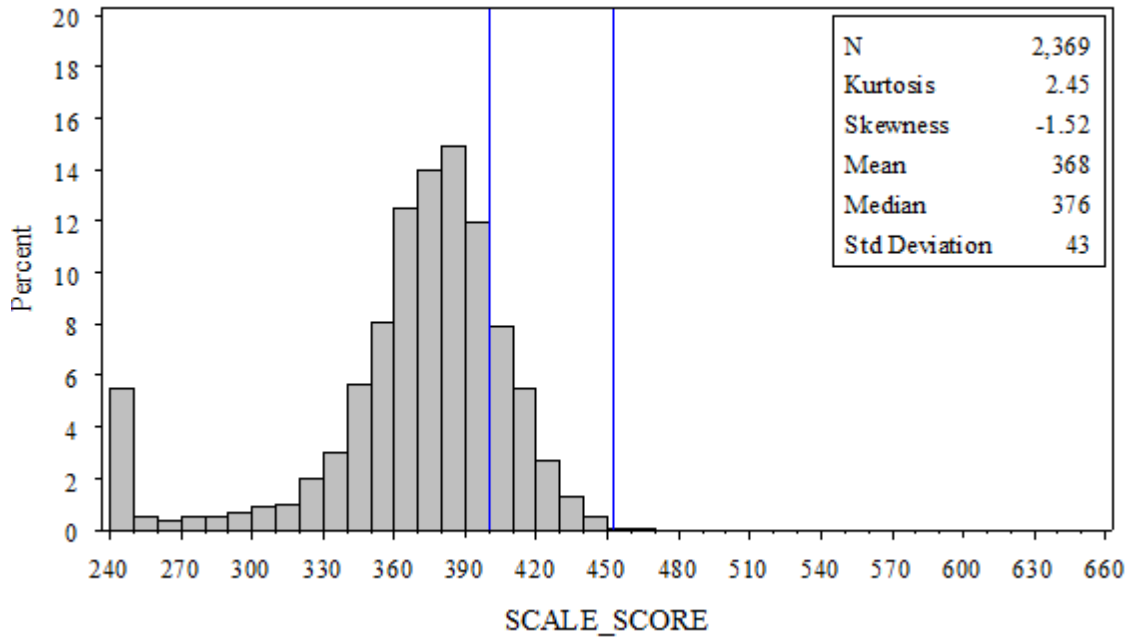


Figure 13.2 Histogram of Total Scale Scores for MD Mod-HSA May 2012 Biology

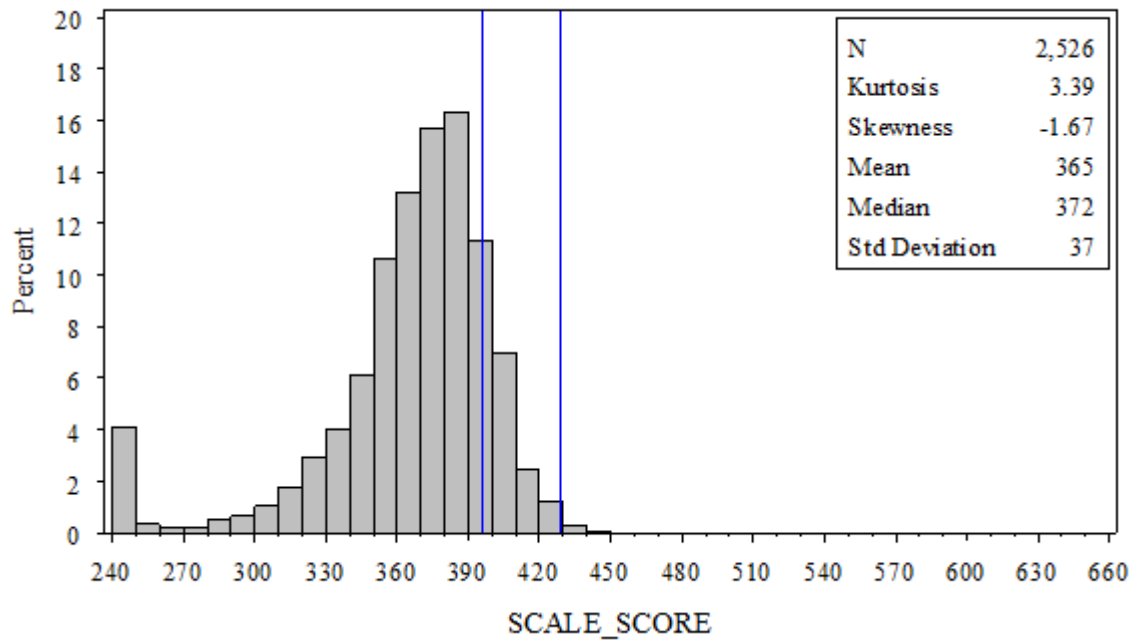


Figure 13.3 Histogram of Total Scale Scores for MD Mod-HSA May 2012 English

Table 13.6 Summary Statistics for MD Mod-HSA Algebra: October 2011 Form

		Form 112				
		Mean	SD	N	%	Alpha
Overall		358.2	49.6	2,232	100.0	0.73
Gender						
	Male	358.8	48.9	1,422	63.7	0.73
	Female	357.2	50.6	786	35.2	0.74
	Missing	*	*	24	1.1	*
Special Education						
	Yes	358.1	49.2	1,958	87.7	0.72
	No	358.3	51.9	269	12.1	0.79
	Exited	*	*	1	0.0	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	4	0.2	*
Ethnicity						
	American Indian	*	*	5	0.2	*
	Asian	*	*	21	0.9	*
	African American	353.9	51.2	1,343	60.2	0.73
	Hawaiian/Pacific Islander	*	*	3	0.1	*
	White	366.7	45.7	561	25.1	0.73
	Hispanic	359.4	48.4	244	10.9	0.72
	Missing	362.6	49.0	55	2.5	0.68
Limited English Proficient						
	Yes	*	*	19	0.9	*
	No	358.2	49.6	2,203	98.7	0.73
	Exited ^b	*	*	10	0.4	*

* Statistics not reported for sample size less than 50 (N < 50).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.7 Summary Statistics for MD Mod-HSA Algebra: January 2012 Form

		Form 212				
		Mean	SD	N	%	Alpha
Overall		364.6	45.8	2,217	100.0	0.74
Gender						
	Male	365.9	45.9	1,409	63.6	0.75
	Female	362.3	45.4	800	36.1	0.73
	Missing	*	*	8	0.4	*
Special Education						
	Yes	366.0	44.3	1,851	83.5	0.73
	No	357.6	52.5	363	16.4	0.80
	Exited	*	*	3	0.1	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	9	0.4	*
	Asian	*	*	21	0.9	*
	African American	359.6	47.5	1,324	59.7	0.74
	Hawaiian/Pacific Islander	*	*	3	0.1	*
	White	373.7	42.3	589	26.6	0.75
	Hispanic	369.3	41.3	206	9.3	0.71
	Missing	368.7	40.7	65	2.9	0.76
Limited English Proficient						
	Yes	*	*	16	0.7	*
	No	364.5	45.9	2,199	99.2	0.74
	Exited ^b	*	*	2	0.1	*

* Statistics not reported for sample size less than 50 (N < 50).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.8 Summary Statistics for MD Mod-HSA Algebra: April 2012 Form

		Form 312				
		Mean	SD	N	%	Alpha
Overall		362.6	50.1	524	100.0	0.78
Gender						
	Male	364.4	50.0	308	58.8	0.79
	Female	359.7	50.7	210	40.1	0.75
	Missing	*	*	6	1.1	*
Special Education						
	Yes	361.9	50.2	415	79.2	0.76
	No	365.3	49.9	109	20.8	0.82
	Exited	*	*	0	0.0	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	4	0.8	*
	Asian	*	*	6	1.1	*
	African American	360.4	51.6	373	71.2	0.79
	Hawaiian/ Pacific Islander	*	*	1	0.2	*
	White	372.5	43.0	78	14.9	0.71
	Hispanic	*	*	46	8.8	*
	Missing	*	*	16	3.1	*
Limited English Proficient						
	Yes	*	*	7	1.3	*
	No	362.7	50.0	517	98.7	0.78
	Exited ^b	*	*	0	0.0	*

* Statistics not reported for sample size less than 50 ($N < 50$).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.9 Summary Statistics for MD Mod-HSA Algebra: May 2012 Form

		Form 412				
		Mean	SD	N	%	Alpha
Overall		363.7	47.5	3,491	100.0	0.76
Gender						
	Male	364.4	48.2	2,218	63.5	0.76
	Female	362.8	46.0	1,209	34.6	0.74
	Missing	356.8	54.4	64	1.8	0.80
Special Education						
	Yes	365.2	46.9	2,958	84.7	0.76
	No	355.8	50.3	532	15.2	0.75
	Exited	*	*	0	0.0	
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	1	0.0	*
Ethnicity						
	American Indian	*	*	15	0.4	*
	Asian	378.9	37.0	62	1.8	0.82
	African American	357.5	49.0	1,946	55.7	0.72
	Hawaiian/Pacific Islander	*	*	5	0.1	*
	White	373.4	43.9	826	23.7	0.78
	Hispanic	370.4	44.2	483	13.8	0.76
	Missing	364.0	48.3	154	4.4	0.80
Limited English Proficient						
	Yes	*	*	48	1.4	*
	No	363.8	47.4	3,432	98.3	0.75
	Exited ^b	*	*	11	0.3	*

* Statistics not reported for sample size less than 50 (N < 50).

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.10 Summary Statistics for MD Mod-HSA Algebra: Summer 2012 Forms

	Form 512					Form 612				
	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha
Overall	350.9	52.7	86	100.0	0.68	359.7	52.5	120	100.0	0.82
Gender										
Male	347.4	54.7	60	69.8	0.67	355.8	54.4	77	64.2	0.81
Female	*	*	26	30.2	*	*	*	43	35.8	*
Missing	*	*	0	0.0	*	*	*	0	0.0	*
Special Education										
Yes	348.4	54.2	69	80.2	0.69	344.8	52.4	57	47.5	0.71
No	*	*	17	19.8	*	373.2	49.2	63	52.5	0.85
Exited	*	*	0	0.0	*	*	*	0	0.0	*
Exited and placed in 504 ^a	*	*	0	0.0	*	*	*	0	0.0	*
504	*	*	0	0.0	*	*	*	0	0.0	*
Ethnicity										
American Indian	*	*	0	0.0	*	*	*	0	0.0	*
Asian	*	*	0	0.0	*	*	*	2	1.7	*
African American	*	*	42	48.8	*	350.2	56.2	57	47.5	0.81
Hawaiian/Pacific Islander	*	*	0	0.0	*	*	*	0	0.0	*
White	*	*	35	40.7	*	365.0	49.7	54	45.0	0.82
Hispanic	*	*	8	9.3	*	*	*	4	3.3	*
Missing	*	*	1	1.2	*	*	*	3	2.5	*
Limited English Proficient										
Yes	*	*	2	2.3	*	*	*	0	0.0	*
No	350.1	53.0	84	97.7	0.68	359.7	52.5	120	100.0	0.82
Exited ^b	*	*	0	0.0	*	*	*	0	0.0	*

* Statistics not reported for sample size less than 50 (N < 50).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.11 Summary Statistics for MD Mod-HSA Biology: October 2011 Form

		Form 112				
		Mean	SD	N	%	Alpha
Overall		360.8	43.5	1,640	100.0	0.62
Gender						
	Male	361.0	43.8	1,028	62.7	0.63
	Female	360.6	42.9	602	36.7	0.61
	Missing	*	*	10	0.6	*
Special Education						
	Yes	360.6	43.2	1,442	87.9	0.61
	No	362.4	45.3	198	12.1	0.70
	Exited	*	*	0	0.0	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	5	0.3	*
	Asian	*	*	20	1.2	*
	African American	358.3	44.9	1,068	65.1	0.62
	Hawaiian/Pacific Islander	*	*	0	0.0	*
	White	367.0	40.5	367	22.4	0.65
	Hispanic	363.1	41.3	153	9.3	0.58
	Missing	*	*	27	1.6	*
Limited English Proficient						
	Yes	*	*	14	0.9	*
	No	360.9	43.4	1,619	98.7	0.63
	Exited ^b	*	*	7	0.4	*

* Statistics not reported for sample size less than 50 (N < 50).

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.12 Summary Statistics for MD Mod-HSA Biology: January 2012 Form

		Form 212				
		Mean	SD	N	%	Alpha
Overall		359.7	44.2	1,454	100.0	0.63
Gender						
	Male	360.0	45.6	922	63.4	0.66
	Female	359.3	41.3	529	36.4	0.58
	Missing	*	*	3	0.2	*
Special Education						
	Yes	360.3	43.6	1,226	84.3	0.63
	No	356.1	47.4	227	15.6	0.64
	Exited	*	*	1	0.1	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	7	0.5	*
	Asian	*	*	18	1.2	*
	African American	355.1	45.8	910	62.6	0.58
	Hawaiian/Pacific Islander	*	*	3	0.2	*
	White	369.0	39.6	363	25.0	0.68
	Hispanic	362.8	44.6	110	7.6	0.70
	Missing	*	*	43	3.0	*
Limited English Proficient						
	Yes	*	*	13	0.9	*
	No	359.6	44.4	1,438	98.9	0.63
	Exited ^b	*	*	3	0.2	*

* Statistics not reported for sample size less than 50 ($N < 50$).

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.13 Summary Statistics for MD Mod-HSA Biology: April 2012 Form

		Form 312				
		Mean	SD	N	%	Alpha
Overall		357.3	45.1	338	100.0	0.62
Gender						
	Male	354.6	48.9	210	62.1	0.65
	Female	361.9	38.0	127	37.6	0.56
	Missing	*	*	1	0.3	*
Special Education						
	Yes	356.2	45.5	259	76.6	0.59
	No	360.9	44.1	79	23.4	0.69
	Exited	*	*	0	0.0	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	1	0.3	*
	Asian	*	*	7	2.1	*
	African American	353.6	48.1	259	76.6	0.66
	Hawaiian/Pacific Islander	*	*	1	0.3	*
	White	*	*	38	11.2	*
	Hispanic	*	*	23	6.8	*
	Missing	*	*	9	2.7	*
Limited English Proficient						
	Yes	*	*	4	1.2	*
	No	357.4	44.9	333	98.5	0.62
	Exited ^b	*	*	1	0.3	*

* Statistics not reported for sample size less than 50 ($N < 50$).

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.14 Summary Statistics for MD Mod-HSA Biology: May 2012 Form

	Form 412				
	Mean	SD	N	%	Alpha
Overall	367.7	42.8	2,369	100.0	0.71
Gender					
Male	367.9	44.3	1,572	66.4	0.73
Female	367.7	39.2	778	32.8	0.65
Missing	*	*	19	0.8	*
Special Education					
Yes	368.8	42.0	2,053	86.7	0.71
No	359.9	47.0	315	13.3	0.70
Exited	*	*	0	0.0	*
Exited and placed in 504 ^a	*	*	0	0.0	*
504	*	*	1	0.0	*
Ethnicity					
American Indian	*	*	9	0.4	*
Asian	*	*	39	1.6	*
African American	362.0	44.4	1,357	57.3	0.69
Hawaiian/Pacific Islander	*	*	2	0.1	*
White	377.4	39.5	574	24.2	0.73
Hispanic	372.1	39.2	321	13.6	0.69
Missing	371.9	40.4	67	2.8	0.75
Limited English Proficient					
Yes	*	*	28	1.2	*
No	367.7	42.7	2,339	98.7	0.71
Exited ^b	*	*	2	0.1	*

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.15 Summary Statistics for MD Mod-HSA Biology: Summer 2012 Forms

	Form 512					Form 612				
	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha
Overall	357.5	49.9	70	100.0	0.72	372.7	33.9	84	100.0	0.56
Gender										
Male	*	*	42	60.0	*	372.7	32.7	58	69.0	0.53
Female	*	*	27	38.6	*	*	*	26	31.0	*
Missing	*	*	1	1.4	*	*	*	0		*
Special Education										
Yes	360.8	45.8	60	85.7	0.67	372.3	31.0	51	60.7	0.48
No	*	*	10	14.3	*	*	*	33	39.3	*
Exited	*	*	0	0.0	*	*	*	0	0.0	*
Exited and placed in 504 ^a	*	*	0	0.0	*	*	*	0	0.0	*
504	*	*	0	0.0	*	*	*	0	0.0	*
Ethnicity										
American Indian	*	*	0	0.0	*	*	*	0	0.0	*
Asian	*	*	0	0.0	*	*	*	0	0.0	*
African American	*	*	32	45.7	*	*	*	45	53.6	*
Hawaiian/Pacific Islander	*	*	0	0.0	*	*	*	0	0.0	*
White	*	*	31	44.3	*	*	*	32	38.1	*
Hispanic	*	*	5	7.1	*	*	*	5	6.0	*
Missing	*	*	2	2.9	*	*	*	2	2.4	*
Limited English Proficient										
Yes	*	*	2	2.9	*	*	*	0	0.0	*
No	357.2	50.6	68	97.1	0.73	372.7	33.9	84	100.0	0.56
Exited ^b	*	*	0	0.0	*	*	*	0	0.0	*

* Statistics not reported for sample size less than 50 (N < 50).

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.16 Summary Statistics for MD Mod-HSA English: October 2011 Form

		Form 112				
		Mean	SD	N	%	Alpha
Overall		359.9	40.6	1,886	100.0	0.78
Gender						
	Male	359.3	41.8	1,216	64.5	0.78
	Female	360.7	38.1	653	34.6	0.76
	Missing	*	*	17	0.9	*
Special Education						
	Yes	359.2	40.8	1,617	85.7	0.77
	No	363.8	39.1	267	14.2	0.79
	Exited	*	*	0	0.0	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	2	0.1	*
Ethnicity						
	American Indian	*	*	3	0.2	*
	Asian	*	*	27	1.4	*
	African American	357.3	41.8	1,127	59.8	0.78
	Hawaiian/Pacific Islander	*	*	3	0.2	*
	White	363.2	40.3	481	25.5	0.78
	Hispanic	364.8	35.8	205	10.9	0.72
	Missing	*	*	40	2.1	*
Limited English Proficient						
	Yes	*	*	15	0.8	*
	No	359.9	40.7	1,861	98.7	0.78
	Exited ^b	*	*	10	0.5	*

* Statistics not reported for sample size less than 50 (N < 50).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.17 Summary Statistics for MD Mod-HSA English: January 2012 Form

		Form 212				
		Mean	SD	N	%	Alpha
Overall		361.0	39.0	1,736	100.0	0.78
Gender						
	Male	360.7	39.5	1,118	64.4	0.78
	Female	362.0	37.8	606	34.9	0.77
	Missing	*	*	12	0.7	*
Special Education						
	Yes	361.3	38.5	1,409	81.2	0.77
	No	359.9	41.4	325	18.7	0.80
	Exited	*	*	2	0.1	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	4	0.2	*
	Asian	*	*	29	1.7	*
	African American	357.8	41.0	976	56.2	0.78
	Hawaiian/Pacific Islander	*	*	2	0.1	*
	White	365.9	36.4	491	28.3	0.78
	Hispanic	364.9	33.5	173	10.0	0.74
	Missing	359.6	41.6	61	3.5	0.81
Limited English Proficient						
	Yes	*	*	19	1.1	*
	No	361.0	39.0	1,716	98.8	0.78
	Exited ^b	*	*	1	0.1	*

* Statistics not reported for sample size less than 50 (N < 50).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.18 Summary Statistics for MD Mod-HSA English: April 2012 Form

		Form 312				
		Mean	SD	N	%	Alpha
Overall		362.5	40.2	524	100.0	0.80
Gender						
	Male	362.0	41.3	329	62.8	0.81
	Female	363.4	38.6	195	37.2	0.78
	Missing	*	*	0	0.0	*
Special Education						
	Yes	361.5	41.1	409	78.1	0.81
	No	366.0	36.9	115	21.9	0.80
	Exited	*	*	0	0.0	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	1	0.2	*
	Asian	*	*	8	1.5	*
	African American	361.7	40.3	372	71.0	0.81
	Hawaiian/Pacific Islander	*	*	1	0.2	*
	White	362.0	46.7	75	14.3	0.83
	Hispanic	369.4	30.5	56	10.7	0.73
	Missing	*	*	11	2.1	*
Limited English Proficient						
	Yes	*	*	6	1.1	*
	No	362.5	39.9	518	98.9	0.80
	Exited ^b	*	*	0	0.0	*

* Statistics not reported for sample size less than 50 ($N < 50$).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.19 Summary Statistics for MD Mod-HSA English: May 2012 Form

		Form 412				
		Mean	SD	N	%	Alpha
Overall		364.9	37.1	2,526	100.0	0.77
Gender						
	Male	364.2	38.1	1,664	65.9	0.76
	Female	366.8	34.9	837	33.1	0.77
	Missing	*	*	25	1.0	*
Special Education						
	Yes	365.7	36.6	2,156	85.4	0.76
	No	359.9	40.1	370	14.6	0.79
	Exited	*	*	0	0.0	*
	Exited and placed in 504 ^a	*	*	0	0.0	*
	504	*	*	0	0.0	*
Ethnicity						
	American Indian	*	*	7	0.3	*
	Asian	*	*	47	1.9	*
	African American	360.8	38.8	1,359	53.8	0.76
	Hawaiian/Pacific Islander	*	*	2	0.1	*
	White	371.1	36.4	653	25.9	0.77
	Hispanic	369.5	31.9	381	15.1	0.74
	Missing	361.2	32.6	77	3.0	0.75
Limited English Proficient						
	Yes	*	*	30	1.2	*
	No	365.0	37.1	2,492	98.7	0.77
	Exited ^b	*	*	4	0.2	*

* Statistics not reported for sample size less than 50 (N < 50).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.20 Summary Statistics for MD Mod-HSA English: Summer 2012 Forms

	Form 512					Form 612				
	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha
Overall	359.4	36.3	77	100.0	0.73	361.3	39.4	75	100.0	0.80
Gender										
Male	355.6	40.6	50	64.9	0.75	359.6	40.0	54	72.0	0.79
Female	*	*	27	35.1	*	*	*	21	28.0	*
Missing	*	*	0	0.0	*	*	*	0	0.0	*
Special Education										
Yes	360.2	37.3	68	88.3	0.73	*	*	29	38.7	*
No	*	*	9	11.7	*	*	*	46	61.3	*
Exited	*	*	0	0.0	*	*	*	0	0.0	*
Exited and placed in 504 ^a	*	*	0	0.0	*	*	*	0	0.0	*
504	*	*	0	0.0	*	*	*	0	0.0	*
Ethnicity										
American Indian	*	*	0	0.0	*	*	*	0	0.0	*
Asian	*	*	1	1.3	*	*	*	1	1.3	*
African American	*	*	37	48.1	*	*	*	37	49.3	*
Hawaiian/Pacific Islander	*	*	1	1.3	*	*	*	0	0.0	*
White	*	*	28	36.4	*	*	*	30	40.0	*
Hispanic	*	*	10	13.0	*	*	*	3	4.0	*
Missing	*	*	0	0.0	*	*	*	4	5.3	*
Limited English Proficient										
Yes	*	*	1	1.3	*	*	*	0	0.0	*
No	359.0	36.4	76	98.7	0.73	361.3	39.4	75	100.0	0.80
Exited ^b	*	*	0	0.0	*	*	*	0	0.0	*

* Statistics not reported for sample size less than 50 (N < 50).

^a A 504 plan is a legal document falling under the provisions of the Rehabilitation Act of 1973 that provides a program of instructional services to assist students with special needs who are in a regular education setting.

^b LEP Exited indicates students who have exited English language acquisition services.

Demographic Characteristics

Summary statistics describing the demographic characteristics of the students who received scores on the MD Mod-HSAs are provided in Tables 13.20 through 13.22. Statistics are provided for the October 2011 and the January, April, May, and Summer 2012 administrations of Algebra, Biology, and English. The results from online and paper test takers were pooled for the analyses. All demographic results are based on the final Research file sent to MSDE.

Table 13.21 Demographic Information for MD Mod-HSA Algebra

	October Form		January Form		April Form		May Form		Summer Forms	
	N	%	N	%	N	%	N	%	N	%
Overall	2,232	100.0	2,217	100.0	524	100.0	3,491	100.0	206	100.0
Gender										
Male	1,422	63.7	1,409	63.6	308	58.8	2,218	63.5	137	66.5
Female	786	35.2	800	36.1	210	40.1	1,209	34.6	69	33.5
Missing	24	1.1	8	0.4	6	1.1	64	1.8	0	0.0
Special Education										
Yes	1,958	87.7	1,851	83.5	415	79.2	2,958	84.7	126	61.2
No	269	12.1	363	16.4	109	20.8	532	15.2	80	38.8
Exited	1	0.0	3	0.1	0	0.0	0	0.0	0	0.0
Exited and placed in 504 ^a	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
504	4	0.2	0	0.0	0	0.0	1	0.0	0	0.0
Ethnicity										
American Indian	5	0.2	9	0.4	4	0.8	15	0.4	0	0.0
Asian	21	0.9	21	0.9	6	1.1	62	1.8	2	1.0
African American	1,343	60.2	1,324	59.7	373	71.2	1,946	55.7	99	48.1
Hawaiian/Pacific Islander	3	0.1	3	0.1	1	0.2	5	0.1	0	0.0
White	561	25.1	589	26.6	78	14.9	826	23.7	89	43.2
Hispanic	244	10.9	206	9.3	46	8.8	483	13.8	12	5.8
Missing	55	2.5	65	2.9	16	3.1	154	4.4	4	1.9
Limited English Proficient										
Yes	19	0.9	16	0.7	7	1.3	48	1.4	2	1.0
No	2,203	98.7	2,199	99.2	517	98.7	3,432	98.3	204	99.0
Exited ^b	10	0.4	2	0.1	0	0.0	11	0.3	0	0.0

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.22 Demographic Information for MD Mod-HSA Biology

	October Form		January Form		April Form		May Form		Summer Forms	
	N	%	N	%	N	%	N	%	N	%
Overall	1,640	100.0	1,454	100.0	338	100.0	2,369	100.0	154	100.0
Gender										
Male	1,028	62.7	922	63.4	210	62.1	1,572	66.4	100	64.9
Female	602	36.7	529	36.4	127	37.6	778	32.8	53	34.4
Missing	10	0.6	3	0.2	1	0.3	19	0.8	1	0.6
Special Education										
Yes	1,442	87.9	1,226	84.3	259	76.6	2,053	86.7	111	72.1
No	198	12.1	227	15.6	79	23.4	315	13.3	43	27.9
Exited	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Exited and placed in 504 ^a	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
504	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0
Ethnicity										
American Indian	5	0.3	7	0.5	1	0.3	9	0.4	0	0.0
Asian	20	1.2	18	1.2	7	2.1	39	1.6	0	0.0
African American	1,068	65.1	910	62.6	259	76.6	1,357	57.3	77	50.0
Hawaiian/Pacific Islander	0	0.0	3	0.2	1	0.3	2	0.1	0	0.0
White	367	22.4	363	25.0	38	11.2	574	24.2	63	40.9
Hispanic	153	9.3	110	7.6	23	6.8	321	13.6	10	6.5
Missing	27	1.6	43	3.0	9	2.7	67	2.8	4	2.6
Limited English Proficient										
Yes	14	0.9	13	0.9	4	1.2	28	1.2	2	1.3
No	1,619	98.7	1,438	98.9	333	98.5	2,339	98.7	152	98.7
Exited ^b	7	0.4	3	0.2	1	0.3	2	0.1	0	0.0

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^b LEP Exited indicates students who have exited English language acquisition services.

Table 13.23 Demographic Information for MD Mod-HSA English

	October Form		January Form		April Form		May Form		Summer Forms	
	N	%	N	%	N	%	N	%	N	%
Overall	1,886	100.0	1,736	100.0	524	100.0	2,526	100.0	152	100.0
Gender										
Male	1,216	64.5	1,118	64.4	329	62.8	1,664	65.9	104	68.4
Female	653	34.6	606	34.9	195	37.2	837	33.1	48	31.6
Missing	17	0.9	12	0.7	0	0.0	25	1.0	0	0.0
Special Education										
Yes	1,617	85.7	1,409	81.2	409	78.1	2,156	85.4	97	63.8
No	267	14.2	325	18.7	115	21.9	370	14.6	55	36.2
Exited	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
Exited and placed in 504 ^a	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
504	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Ethnicity										
American Indian	3	0.2	4	0.2	1	0.2	7	0.3	0	0.0
Asian	27	1.4	29	1.7	8	1.5	47	1.9	2	1.3
African American	1,127	59.8	976	56.2	372	71.0	1,359	53.8	74	48.7
Hawaiian/Pacific Islander	3	0.2	2	0.1	1	0.2	2	0.1	1	0.7
White	481	25.5	491	28.3	75	14.3	653	25.9	58	38.2
Hispanic	205	10.9	173	10.0	56	10.7	381	15.1	13	8.6
Missing	40	2.1	61	3.5	11	2.1	77	3.0	4	2.6
Limited English Proficient										
Yes	15	0.8	19	1.1	6	1.1	30	1.2	1	0.7
No	1,861	98.7	1,716	98.8	518	98.9	2,492	98.7	151	99.3
Exited ^b	10	0.5	1	0.1	0	0.0	4	0.2	0	0.0

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^b LEP Exited indicates students who have exited English language acquisition services.