

## Section 7. Student Characteristics

Student characteristics include demographic distributions and summary statistics. The results are provided for both the Target population and the Linking sample for each content area for the May administration<sup>9</sup> and for the Target population for the Summer administration.

### Demographic Distributions

The demographic characteristics of all students that took the Mod-HSAs during the May administration are provided in Tables 7.1, 7.3, 7.5 and 7.7 for Algebra, Biology, English, and Government, respectively. The demographic characteristics of the students taking the Mod-HSAs during the Summer administration are provided in Tables 7.2, 7.4, 7.6 and 7.8 for Algebra, Biology, English, and Government, respectively. As a comparison, the results from the corresponding administrations of the HSAs are also provided. For both administrations, information is provided by form (i.e., 108, 208, both forms combined; 308, 408, both forms combined) and by gender and ethnicity. The results from online and paper test-takers were analyzed together.

The number of students taking the Mod-HSAs during the May administration ranged from 2,012 for the Biology test to 2,720 for the Algebra test for the Target population; the sample sizes ranged from 1,947 for the English test to 3,144 for the Biology test for the Linking sample. Similar numbers of students took each form, within each group and content area.

For the Target population, about 66 percent of the students were male. The ethnicity breakdown included approximately 62 percent African American, 28 percent White, 8 percent Hispanic, 1 percent Asian/Pacific Islander and less than 1 percent American Indian. The gender and ethnicity percentages were consistent across content area.

For the Linking sample, the male to female ratio was approximately equal. The ethnicity breakdown included approximately 60 percent White, 30 percent were African American, and the remaining 10 percent coming from the Hispanic and Asian/Pacific Islander groups. The gender and ethnicity percentages were comparable across content areas.

The number of students taking the Mod-HSAs during the Summer administration ranged from 65 for the Government test to 98 for the Algebra test. Approximately 69 percent of the students were male, with ethnicity percentages similar to the May Target populations.

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<sup>9</sup> In this section, results for the May Target populations are presented before the Linking samples because the Mod-HSA was designed for the Target populations.

Table 7.1 Demographic Information for Algebra: May

		HSA May08		Target Form 108		Target Form 208		Target Forms Combined		Linking Form 108		Linking Form 208		Linking Forms Combined	
		N	%	N	%	N	%	N	%	N	%	N	%	N	%
Overall		75,843	100.00	1,597	100.00	1,123	100.00	2,720	100.00	1,206	100.00	1,307	100.00	2,513	100.00
Gender															
	Male	37,956	50.05	1,021	63.93	735	65.45	1,756	64.56	611	50.66	649	49.66	1,260	50.14
	Female	37,882	49.95	576	36.07	388	34.55	964	35.44	595	49.34	658	50.34	1,253	49.86
	Missing	5	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Ethnicity															
	American Indian	292	0.39	3	0.19	2	0.18	5	0.18	3	0.25	1	0.08	4	0.16
	Asian/Pacific Islander	4,189	5.52	18	1.13	18	1.60	36	1.32	55	4.56	44	3.37	99	3.94
	African American	31,912	42.08	1,010	63.24	679	60.46	1,689	62.10	403	33.42	393	30.07	796	31.68
	White	33,061	43.59	443	27.74	322	28.67	765	28.13	683	56.63	818	62.59	1,501	59.73
	Hispanic	6,381	8.41	122	7.64	102	9.08	224	8.24	62	5.14	51	3.90	113	4.50
	Missing	8	0.01	1	0.06	0	0.00	1	0.04	0	0.00	0	0.00	0	0.00

Table 7.2 Demographic Information for Algebra: Summer

		HSA Summer08		Form 308		Form 408		Forms Combined	
		N	%	N	%	N	%	N	%
Overall		1,586	100.00	95	100.00	3	100.00	98	100.00
Gender									
	Male	887	55.93	65	68.42	1	33.33	66	67.35
	Female	697	43.95	30	31.58	2	66.67	32	32.65
	Missing	2	0.13	0	0.00	0	0.00	0	0.00
Ethnicity									
	American Indian	11	0.69	0	0.00	0	0.00	0	0.00
	Asian/Pacific Islander	62	3.91	1	1.05	0	0.00	1	1.02
	African American	1,045	65.89	62	65.26	2	66.67	64	65.31
	White	326	20.55	28	29.47	1	33.33	29	29.59
	Hispanic	139	8.76	4	4.21	0	0.00	4	4.08
	Missing	3	0.19	0	0.00	0	0.00	0	0.00

Table 7.3 Demographic Information for Biology: May

	HSA May08		Target Form 108		Target Form 208		Target Forms Combined		Linking Form 108		Linking Form 208		Linking Forms Combined	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Overall	60,686	100.00	1,058	100.00	954	100.00	2,012	100.00	1,519	100.00	1,625	100.00	3,144	100.00
Gender														
Male	29,927	49.31	703	66.45	615	64.47	1,318	65.51	782	51.48	798	49.11	1,580	50.25
Female	30,759	50.69	355	33.55	339	35.53	694	34.49	737	48.52	827	50.89	1,564	49.75
Missing	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Ethnicity														
American Indian	218	0.36	3	0.28	2	0.21	5	0.25	2	0.13	7	0.43	9	0.29
Asian/Pacific Islander	3,587	5.91	17	1.61	12	1.26	29	1.44	39	2.57	36	2.22	75	2.39
African American	24,465	40.31	624	58.98	609	63.84	1,233	61.28	464	30.55	489	30.09	953	30.31
White	27,964	46.08	341	32.23	243	25.47	584	29.03	944	62.15	1,026	63.14	1,970	62.66
Hispanic	4,452	7.34	73	6.90	88	9.22	161	8.00	70	4.61	67	4.12	137	4.36
Missing	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00

Table 7.4 Demographic Information for Biology: Summer

	HSA Summer08		Form 308		Form 408		Forms Combined	
	N	%	N	%	N	%	N	%
Overall	882	100.00	67	100.00	2	100.00	69	100.00
Gender								
Male	481	54.54	48	71.64	1	50.00	49	71.01
Female	400	45.35	19	28.36	1	50.00	20	28.99
Missing	1	0.11	0	0.00	0	0.00	0	0.00
Ethnicity								
American Indian	4	0.45	0	0.00	0	0.00	0	0.00
Asian/Pacific Islander	20	2.27	0	0.00	0	0.00	0	0.00
African American	567	64.29	41	61.19	1	50.00	42	60.87
White	186	21.09	24	35.82	1	50.00	25	36.23
Hispanic	104	11.79	2	2.99	0	0.00	2	2.90
Missing	1	0.11	0	0.00	0	0.00	0	0.00

Table 7.5 Demographic Information for English: May

		HSA May08		Target Form 108		Target Form 208		Target Forms Combined		Linking Form 108		Linking Form 208		Linking Forms Combined	
		N	%	N	%	N	%	N	%	N	%	N	%	N	%
Overall		63,474	100.00	1,446	100.00	1,086	100.00	2,532	100.00	927	100.00	1,020	100.00	1,947	100.00
Gender															
	Male	31,864	50.20	958	66.25	714	65.75	1,672	66.03	484	52.21	506	49.61	990	50.85
	Female	31,604	49.79	488	33.75	372	34.25	860	33.97	443	47.79	514	50.39	957	49.15
	Missing	6	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Ethnicity															
	American Indian	212	0.33	7	0.48	2	0.18	9	0.36	4	0.43	1	0.10	5	0.26
	Asian/Pacific Islander	3,605	5.68	18	1.24	17	1.57	35	1.38	44	4.75	46	4.51	90	4.62
	African American	26,033	41.01	869	60.10	667	61.42	1,536	60.66	303	32.69	306	30.00	609	31.28
	White	29,000	45.69	442	30.57	297	27.35	739	29.19	542	58.47	639	62.65	1,181	60.66
	Hispanic	4,618	7.28	110	7.61	103	9.48	213	8.41	34	3.67	28	2.75	62	3.18
	Missing	6	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00

Table 7.6 Demographic Information for English: Summer

		HSA Summer08		Form 308		Form 408		Forms Combined	
		N	%	N	%	N	%	N	%
Overall		1,398	100.00	77	100.00	2	100.00	79	100.00
Gender									
	Male	772	55.22	53	68.83	1	50.00	54	68.35
	Female	625	44.71	24	31.17	1	50.00	25	31.65
	Missing	1	0.07	0	0.00	0	0.00	0	0.00
Ethnicity									
	American Indian	9	0.64	0	0.00	0	0.00	0	0.00
	Asian/Pacific Islander	36	2.58	0	0.00	0	0.00	0	0.00
	African American	907	64.88	52	67.53	2	100.00	54	68.35
	White	302	21.60	24	31.17	0	0.00	24	30.38
	Hispanic	143	10.23	1	1.30	0	0.00	1	1.27
	Missing	1	0.07	0	0.00	0	0.00	0	0.00

Table 7.7 Demographic Information for Government: May

		HSA May08		Target Form 108		Target Form 208		Target Forms Combined		Linking Form 108		Linking Form 208		Linking Forms Combined	
		N	%	N	%	N	%	N	%	N	%	N	%	N	%
Overall		64,376	100.00	1,279	100.00	991	100.00	2,270	100.00	1,136	100.00	1,113	100.00	2,249	100.00
Gender															
	Male	31,980	49.68	826	64.58	644	64.98	1,470	64.76	534	47.01	550	49.42	1,084	48.20
	Female	32,388	50.31	453	35.42	347	35.02	800	35.24	602	52.99	563	50.58	1,165	51.80
	Missing	8	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Ethnicity															
	American Indian	244	0.38	6	0.47	1	0.10	7	0.31	2	0.18	3	0.27	5	0.22
	Asian/Pacific Islander	3,686	5.73	13	1.02	14	1.41	27	1.19	59	5.19	56	5.03	115	5.11
	African American	27,000	41.94	799	62.47	612	61.76	1,411	62.16	334	29.40	311	27.94	645	28.68
	White	28,778	44.70	378	29.55	257	25.93	635	27.97	671	59.07	674	60.56	1,345	59.80
	Hispanic	4,660	7.24	81	6.33	107	10.80	188	8.28	70	6.16	69	6.20	139	6.18
	Missing	8	0.01	2	0.16	0	0.00	2	0.09	0	0.00	0	0.00	0	0.00

Table 7.8 Demographic Information for Government: Summer

		HSA Summer08		Form 308		Form 408		Forms Combined	
		N	%	N	%	N	%	N	%
Overall		977	100.00	64	100.00	1	100.00	65	100.00
Gender									
	Male	574	58.75	44	68.75	0	0.00	44	67.69
	Female	403	41.25	20	31.25	1	100.00	21	32.31
	Missing	0	0.00	0	0.00	0	0.00	0	0.00
Ethnicity									
	American Indian	12	1.23	0	0.00	0	0.00	0	0.00
	Asian/Pacific Islander	26	2.66	2	3.13	0	0.00	2	3.08
	African American	660	67.55	39	60.94	1	100.00	40	61.54
	White	219	22.42	22	34.38	0	0.00	22	33.85
	Hispanic	59	6.04	1	1.56	0	0.00	1	1.54
	Missing	1	0.10	0	0.00	0	0.00	0	0.00

## Summary Statistics

Students' scale score means and standard deviations are presented in Table 7.9 for each content area and student group from the May administration and for each content area from the Summer administration.

Table 7.9 Mean Scale Scores by Content and Group

	May - Target Population			May - Linking Sample			Summer		
	N	Mean	SD	N	Mean	SD	N	Mean	SD
Algebra	2,720	359.88	49.54	2,513	420.32	36.69	98	367.34	45.90
Biology	2,012	359.93	48.30	3,144	419.56	39.62	69	365.94	44.07
English	2,532	353.34	42.49	1,947	407.72	39.67	79	350.00	42.76
Government	2,270	357.00	49.58	2,249	423.97	49.75	65	365.49	47.94

Table 7.10 presents the percentages of students classified as Passing for the Target population and the Linking sample from the May administration and for the Target population from the Summer administration. Students are identified as passing if they obtain a scale score at or above the Proficient cut-score (see Table 5.1). As would be expected, the passing rates for the Linking samples were much higher than those for the Target population.

Table 7.10 Passing Percentages by Content and Group

	May Target Population	May Linking Sample	Summer
Algebra	9.85	65.70	7.14
Biology	15.95	74.87	18.84
English	10.47	67.39	7.59
Government	19.82	81.15	20.00

Results from the Algebra, Biology, and English tests are used in the MSDE AYP reports as required under the NCLB Act for the 2007-2008 school year. Table 7.11 shows the percentages of Algebra, Biology, and English students classified as Basic, Proficient, or Advanced. As shown in the table, for the May administration between 84 and 90 percent of the students in the Target population were classified as Basic across content areas. In contrast, between 25 and 34 percent of students in the Linking samples were classified as Basic across the content areas. For the Summer administration, between 81 and 93 percent of students were classified as Basic across content areas.

Table 7.11 Percentages of Students Classified as Basic, Proficient or Advanced, by Content and Group

	May - Target Population			May - Linking Sample		
	Algebra	Biology	English	Algebra	Biology	English
Basic	90.15	84.05	89.53	34.30	25.13	32.61
Proficient	9.52	15.85	10.27	49.86	57.82	43.25
Advanced	0.33	0.10	0.20	15.84	17.05	24.14
	Summer					
	Algebra	Biology	English			
Basic	92.86	81.16	92.41			
Proficient	6.12	18.84	7.59			
Advanced	1.02	0.00	0.00			

Summary statistics for all students and for subgroups based on gender and ethnicity are presented by group and content area in Tables 7.12 through 7.23. For each administration, information is provided for each form individually and the two forms combined. As noted previously, results from the paper and online versions of Form 108 of the May administration of the Mod-HSAs were pooled for the Target population. As a comparison, the results from the May 2008 administration of the HSAs are also provided.

The tables include the number of students tested for whom valid scores were available, mean scale scores, standard deviations of scale scores, and reliabilities. Note that the overall reliabilities were lower for the Target population (range of 0.71 to 0.79) than for the Linking samples (range of 0.86 to 0.89). Histograms of the scale score distributions are presented in Appendix D. The distributions for the Target population were negatively skewed due to the sizeable numbers of students with scores at the LOSS.

The tables show that within each group of test-takers the means and standard deviations of students' scores were quite similar across forms for the May administration. Students in the Linking sample performed better than students in the Target population for all content areas, as would be expected. For the Summer administration, the majority of students took Form 308.

As can be seen in Tables 7.12, 7.15, 7.18 and 7.21, a consistent trend was found across ethnic groups and content areas for the Target students in the May administration. White students scored higher than Hispanic students, who in turn scored higher than African American students. There were insufficient numbers of examinees to report mean scale scores for Asian/Pacific Islander and American Indian students. For the Linking students, Asian/Pacific Islander and White students tended to perform better than African American and Hispanic students across content areas (Tables 7.13, 7.16, 7.19 and 7.22). There were insufficient numbers of examinees to report mean scale scores for American Indian students.

Table 7.12 Summary Statistics for Algebra: May, Target

	HSA May08				Target Form 108					Target Form 208					Target Combined				
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%	
Overall	426.60	37.44	75,843	100.00	358.46	51.51	1,597	100.00	0.79	361.91	46.56	1,123	100.00	0.77	359.88	49.54	2,720	100.00	
Gender																			
Male	425.82	40.00	37,956	50.05	360.36	52.30	1,021	63.93	0.81	359.93	49.17	735	65.45	0.77	360.18	51.00	1,756	64.56	
Female	427.39	34.64	37,882	49.95	355.09	49.93	576	36.07	0.74	365.65	40.96	388	34.55	0.78	359.34	46.79	964	35.44	
Missing	*	*	5	0.01	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00	
Ethnicity																			
American Indian	421.91	37.88	292	0.39	*	*	3	0.19	*	*	*	2	0.18	*	*	*	5	0.18	
Asian/Pacific Islander	451.05	33.45	4,189	5.52	*	*	18	1.13	*	*	*	18	1.60	*	*	*	36	1.32	
African American	410.07	35.45	31,912	42.08	350.30	52.58	1,010	63.24	0.77	353.89	48.11	679	60.46	0.75	351.75	50.84	1,689	62.10	
White	441.04	32.61	33,061	43.59	373.61	44.57	443	27.74	0.78	377.09	39.50	322	28.67	0.78	375.07	42.52	765	28.13	
Hispanic	418.70	33.96	6,381	8.41	371.05	53.49	122	7.64	0.84	365.51	43.82	102	9.08	0.77	368.53	49.29	224	8.24	
Missing	*	*	8	0.01	*	*	1	0.06	*	*	*	0	0.00	*	*	*	1	0.04	

\* Statistics not reported for sample size less than 50



Table 7.13 Summary Statistics for Algebra: May, Linking

	Linking Form 108					Linking Form 208					Linking Combined			
	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	421.88	38.18	1,206	100.00	0.87	418.88	35.22	1,307	100.00	0.86	420.32	36.69	2,513	100.00
Gender														
Male	421.85	41.17	611	50.66	0.89	417.04	37.18	649	49.66	0.88	419.37	39.23	1,260	50.14
Female	421.92	34.89	595	49.34	0.87	420.69	33.09	658	50.34	0.87	421.27	33.95	1,253	49.86
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity														
American Indian	*	*	3	0.25	*	*	*	1	0.08	*	*	*	4	0.16
Asian/Pacific Islander	439.65	43.24	55	4.56	0.88	*	*	44	3.37	*	439.46	36.47	99	3.94
African American	407.66	37.73	403	33.42	0.87	404.63	39.86	393	30.07	0.88	406.16	38.80	796	31.68
White	429.04	34.46	683	56.63	0.85	424.39	30.41	818	62.59	0.85	426.51	32.39	1,501	59.73
Hispanic	421.50	46.89	62	5.14	0.90	422.55	41.99	51	3.90	0.90	421.97	44.55	113	4.50
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50

Table 7.14 Summary Statistics for Algebra: Summer, Target

	HSA Summer08				Target Form 308					Target Form 408					Target Combined			
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	395.55	38.17	1,586	100.00	367.04	46.58	95	100.00	0.80	*	*	3	100.00	*	367.34	45.90	98	100.00
Gender																		
Male	393.02	42.32	887	55.93	359.92	48.56	65	68.42	0.79	*	*	1	33.33	*	360.05	48.19	66	67.35
Female	398.72	31.93	697	43.95	*	*	30	31.58	*	*	*	2	66.67	*	*	*	32	32.65
Missing	*	*	2	0.13	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity																		
American Indian	*	*	11	0.69	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Asian/Pacific Islander	429.92	42.27	62	3.91	*	*	1	1.05	*	*	*	0	0.00	*	*	*	1	1.02
African American	391.34	36.55	1,045	65.89	367.44	49.09	62	65.26	0.85	*	*	2	66.67	*	367.86	48.38	64	65.31
White	404.08	39.40	326	20.55	*	*	28	29.47	*	*	*	1	33.33	*	*	*	29	29.59
Hispanic	392.61	35.62	139	8.76	*	*	4	4.21	*	*	*	0	0.00	*	*	*	4	4.08
Missing	*	*	3	0.19	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50

Table 7.15 Summary Statistics for Biology: May, Target

	HSA May08				Target Form 108					Target Form 208					Target Combined			
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	418.82	35.28	60,686	100.00	358.22	49.41	1,058	100.00	0.71	361.84	46.99	954	100.00	0.73	359.93	48.30	2,012	100
Gender																		
Male	418.06	36.79	29,927	49.31	358.04	50.86	703	66.45	0.73	362.19	48.39	615	64.47	0.76	359.98	49.75	1,318	65.51
Female	419.56	33.72	30,759	50.69	358.57	46.48	355	33.55	0.67	361.2	44.41	339	35.53	0.72	359.85	45.47	694	34.49
Missing	*	*	0	0.00	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity																		
American Indian	414.27	33.57	218	0.36	*	*	3	0.28	*	*	*	2	0.21	*	*	*	5	0.25
Asian/Pacific Islander	440.78	32.03	3,587	5.91	*	*	17	1.61	*	*	*	12	1.26	*	*	*	29	1.44
African American	401.93	32.82	24,465	40.31	348.69	51.71	624	58.98	0.69	355.58	48.26	609	63.84	0.72	352.09	50.13	1,233	61.28
White	432.00	31.08	27,964	46.08	372.36	41.69	341	32.23	0.71	378.47	41.09	243	25.47	0.76	374.9	41.52	584	29.03
Hispanic	411.36	31.46	4,452	7.34	369.25	44.08	73	6.9	0.73	361.28	42.84	88	9.22	0.62	364.89	43.45	161	8
Missing	*	*	0	0.00	*	*	0	0	*	*	*	0	0	*	*	*	0	0

\* Statistics not reported for sample size less than 50

Table 7.16 Summary Statistics for Biology: May, Linking

	Linking Form 108					Linking Form 208					Linking Combined			
	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	420.20	37.98	1,519	100.00	0.87	418.96	41.10	1,625	100.00	0.86	419.56	39.62	3,144	100.00
Gender														
Male	421.98	41.46	782	51.48	0.88	421.32	42.70	798	49.11	0.87	421.64	42.08	1,580	50.25
Female	418.31	33.83	737	48.52	0.85	416.68	39.39	827	50.89	0.87	417.45	36.87	1,564	49.75
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity														
American Indian	*	*	2	0.13	*	*	*	7	0.43	*	*	*	9	0.29
Asian/Pacific Islander	*	*	39	2.57	*	*	*	36	2.22	*	424.72	52.00	75	2.39
African American	399.69	37.81	464	30.55	0.83	397.48	40.98	489	30.09	0.84	398.56	39.46	953	30.31
White	430.92	33.83	944	62.15	0.85	429.98	35.64	1,026	63.14	0.84	430.43	34.78	1,970	62.66
Hispanic	409.27	35.87	70	4.61	0.84	403.52	37.57	67	4.12	0.85	406.46	36.69	137	4.36
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50

Table 7.17 Summary Statistics for Biology: Summer, Target

	HSA Summer08				Target Form 308					Target Form 408					Target Combined			
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	385.77	36.47	882	100.00	367.49	41.84	67	100.00	0.69	*	*	2	100.00	*	365.94	44.07	69	100.00
Gender																		
Male	382.63	39.86	481	54.54	*	*	48	71.64	*	*	*	1	50.00	*	*	*	49	71.01
Female	389.47	31.58	400	45.35	*	*	19	28.36	*	*	*	1	50.00	*	*	*	20	28.99
Missing	*	*	1	0.11	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity																		
American Indian	*	*	4	0.45	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Asian/Pacific Islander	*	*	20	2.27	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
African American	379.88	37.83	567	64.29	*	*	41	61.19	*	*	*	1	50.00	*	*	*	42	60.87
White	397.44	33.35	186	21.09	*	*	24	35.82	*	*	*	1	50.00	*	*	*	25	36.23
Hispanic	389.84	26.94	104	11.79	*	*	2	2.99	*	*	*	0	0.00	*	*	*	2	2.90
Missing	*	*	1	0.11	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50

Table 7.18 Summary Statistics for English: May, Target

	HSA May08				Target Form 108					Target Form 208					Target Combined			
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	408.23	34.81	63,474	100.00	350.31	44.61	1,446	100.00	0.74	357.38	39.14	1,086	100.00	0.78	353.34	42.49	2,532	100.00
Gender																		
Male	402.21	35.59	31,864	50.20	348.18	46.79	958	66.25	0.76	355.49	40.54	714	65.75	0.79	351.30	44.36	1,672	66.03
Female	414.31	32.88	31,604	49.79	354.50	39.70	488	33.75	0.70	361.01	36.07	372	34.25	0.78	357.31	38.29	860	33.97
Missing	*	*	6	0.01	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity																		
American Indian	405.82	31.38	212	0.33	*	*	7	0.48	*	*	*	2	0.18	*	*	*	9	0.36
Asian/Pacific Islander	426.08	36.55	3,605	5.68	*	*	18	1.24	*	*	*	17	1.57	*	*	*	35	1.38
African American	394.71	30.50	26,033	41.01	343.73	46.09	869	60.10	0.74	351.65	40.02	667	61.42	0.77	347.17	43.72	1,536	60.66
White	419.76	33.60	29,000	45.69	361.99	38.13	442	30.57	0.71	369.86	36.82	297	27.35	0.82	365.16	37.78	739	29.19
Hispanic	398.28	31.74	4,618	7.28	356.01	45.08	110	7.61	0.74	357.50	33.87	103	9.48	0.75	356.73	39.97	213	8.41
Missing	*	*	6	0.01	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50

Table 7.19 Summary Statistics for English: May, Linking

	Linking Form 108					Linking Form 208					Linking Combined			
	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	406.53	39.84	927	100.00	0.87	408.81	39.50	1,020	100.00	0.86	407.72	39.67	1,947	100.00
Gender														
Male	400.85	43.16	484	52.21	0.89	401.70	36.84	506	49.61	0.88	401.29	40.04	990	50.85
Female	412.73	34.88	443	47.79	0.87	415.80	40.80	514	50.39	0.86	414.38	38.18	957	49.15
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity														
American Indian	*	*	4	0.43	*	*	*	1	0.10	*	*	*	5	0.26
Asian/Pacific Islander	*	*	44	4.75	*	*	*	46	4.51	*	420.90	51.94	90	4.62
African American	389.74	32.79	303	32.69	0.83	391.76	32.80	306	30.00	0.83	390.75	32.78	609	31.28
White	416.58	38.64	542	58.47	0.88	416.80	38.10	639	62.65	0.85	416.70	38.33	1,181	60.66
Hispanic	*	*	34	3.67	*	*	*	28	2.75	*	386.90	43.14	62	3.18
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50

Table 7.20 Summary Statistics for English: Summer, Target

	HSA Summer08				Target Form 308					Target Form 408					Target Combined			
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	376.84	34.37	1,398	100.00	349.84	43.29	77	100.00	0.70	*	*	2	100.00	*	350.00	42.76	79	100.00
Gender																		
Male	370.91	38.01	772	55.22	353.87	36.51	53	68.83	0.70	*	*	1	50.00	*	354.02	36.18	54	68.35
Female	384.24	27.53	625	44.71	*	*	24	31.17	*	*	*	1	50.00	*	*	*	25	31.65
Missing	*	*	1	0.07	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity																		
American Indian	*	*	9	0.64	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Asian/Pacific Islander	*	*	36	2.58	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
African American	374.00	33.99	907	64.88	352.21	44.70	52	67.53	0.74	*	*	2	100.00	*	352.35	43.87	54	68.35
White	382.92	36.85	302	21.60	*	*	24	31.17	*	*	*	0	0.00	*	*	*	24	30.38
Hispanic	380.00	30.58	143	10.23	*	*	1	1.30	*	*	*	0	0.00	*	*	*	1	1.27
Missing	*	*	1	0.07	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50



Table 7.21 Summary Statistics for Government: May, Target

	HSA May08				Target Form 108					Target Form 208					Target Combined			
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	422.67	40.86	64,376	100.00	356.78	51.65	1,279	100.00	0.78	357.30	46.81	991	100.00	0.77	357.00	49.58	2,270	100.00
Gender																		
Male	421.48	42.06	31,980	49.68	356.37	52.92	826	64.58	0.80	358.25	47.70	644	64.98	0.80	357.19	50.69	1,470	64.76
Female	423.86	39.56	32,388	50.31	357.53	49.29	453	35.42	0.75	355.52	45.11	347	35.02	0.73	356.66	47.50	800	35.24
Missing	*	*	6	0.01	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity																		
American Indian	413.04	43.20	244	0.38	*	*	6	0.47	*	*	*	1	0.10	*	*	*	7	0.31
Asian/Pacific Islander	448.50	41.12	3,686	5.73	*	*	13	1.02	*	*	*	14	1.41	*	*	*	27	1.19
African American	406.96	36.26	27,000	41.94	351.18	52.44	799	62.47	0.78	351.77	48.61	612	61.76	0.75	351.44	50.80	1,411	62.16
White	435.42	39.46	28,778	44.70	366.51	48.69	378	29.55	0.76	373.79	34.86	257	25.93	0.80	369.46	43.74	635	27.97
Hispanic	415.17	36.69	4,660	7.24	364.11	48.03	81	6.33	0.81	349.12	53.51	107	10.80	0.80	355.58	51.63	188	8.28
Missing	*	*	8	0.01	*	*	2	0.16	*	*	*	0	0	*	*	*	2	0.09

\* Statistics not reported for sample size less than 50

Table 7.22 Summary Statistics for Government: May, Linking

	Linking Form 108					Linking Form 208					Linking Combined			
	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	422.71	47.95	1,136	100.00	0.89	425.26	51.50	1,113	100.00	0.89	423.97	49.75	2,249	100.00
Gender														
Male	425.15	53.55	534	47.01	0.91	427.27	56.50	550	49.42	0.91	426.23	55.05	1,084	48.20
Female	420.54	42.29	602	52.99	0.88	423.29	46.07	563	50.58	0.88	421.87	44.16	1,165	51.80
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity														
American Indian	*	*	2	0.18	*	*	*	3	0.27	*	*	*	5	0.22
Asian/Pacific Islander	440.80	29.17	59	5.19	0.88	441.75	57.59	56	5.03	0.88	441.26	45.09	115	5.11
African American	410.35	43.27	334	29.40	0.90	417.78	41.07	311	27.94	0.89	413.93	42.35	645	28.68
White	429.17	50.13	671	59.07	0.89	427.80	54.18	674	60.56	0.90	428.48	52.18	1,345	59.80
Hispanic	404.43	43.26	70	6.16	0.88	416.97	50.89	69	6.20	0.89	410.65	47.45	139	6.18
Missing	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50

Table 7.23 Summary Statistics for Government: Summer, Target

	HSA Summer08				Target Form 308					Target Form 408					Target Combined			
	Mean	SD	N	%	Mean	SD	N	%	Alpha	Mean	SD	N	%	Alpha	Mean	SD	N	%
Overall	383.27	39.54	977	100.00	365.20	48.26	64	100.00	0.75	*	*	1	100.00	*	365.49	47.94	65	100.00
Gender																		
Male	380.87	43.17	574	58.75	*	*	44	68.75	*	*	*	0	0.00	*	*	*	44	67.69
Female	386.68	33.48	403	41.25	*	*	20	31.25	*	*	*	1	100.00	*	*	*	21	32.31
Missing	*	*	0	0.00	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Ethnicity																		
American Indian	*	*	12	1.23	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00
Asian/Pacific Islander	*	*	26	2.66	*	*	2	3.13	*	*	*	0	0.00	*	*	*	2	3.08
African American	380.29	38.96	660	67.55	*	*	39	60.94	*	*	*	1	100.00	*	*	*	40	61.54
White	387.24	39.82	219	22.42	*	*	22	34.38	*	*	*	0	0.00	*	*	*	22	33.85
Hispanic	389.80	34.28	59	6.04	*	*	1	1.56	*	*	*	0	0.00	*	*	*	1	1.54
Missing	*	*	1	0.10	*	*	0	0.00	*	*	*	0	0.00	*	*	*	0	0.00

\* Statistics not reported for sample size less than 50