

Appendix 1A. MD HSA Classical Item Statistics: Operational Forms

Table 1.A 1 Item Statistics, Operational Items: MD HSA Algebra—October Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	1	O	56632	SR	0.25	0.31	-0.04	-0.29	0.31	-0.01	0.0
R	2	O	257110	SR	0.58	0.28	-0.17	-0.18	0.28	-0.08	0.1
R	4	O	223238	SR	0.18	0.26	-0.01	-0.14	-0.10	0.26	0.5
R	5	O	263294	SPR	0.03	0.20	0.20	-0.12			6.6
R	6	O	338644	SPR	0.04	0.24	0.24	-0.12			12.9
R	8	O	223241	SR	0.37	0.30	-0.05	0.30	-0.10	-0.18	0.2
R	9	O	51539	SR	0.36	0.09	-0.06	0.02	0.09	-0.08	0.9
R	11	O	79035	SR	0.32	0.17	0.17	-0.03	-0.08	-0.08	0.3
R	13	O	106584	SR	0.50	0.25	-0.13	-0.11	0.25	-0.13	0.2
R	14	O	54735	SR	0.32	0.21	0.21	-0.07	-0.16	-0.01	0.6
R	15	O	211029	SR	0.45	0.28	-0.14	-0.12	0.28	-0.11	0.7
R	16	O	79026	SR	0.37	0.36	-0.04	-0.16	-0.22	0.36	0.4
R	17	O	263277	SR	0.28	0.16	-0.11	-0.03	0.16	-0.02	1.0
R	18	O	255076	SPR	0.16	0.38	0.38	-0.29			5.8
R	20	O	79059	SR	0.28	0.17	0.02	-0.13	0.17	-0.11	1.3
R	21	O	211049	SR	0.25	0.16	0.16	-0.03	-0.08	-0.05	1.4
R	22	O	282380	SR	0.46	0.28	-0.14	0.28	-0.11	-0.12	1.5
R	23	O	136694	SR	0.61	0.30	-0.12	-0.13	-0.19	0.30	1.7
R	24	O	54618	SR	0.60	0.32	-0.16	-0.16	0.32	-0.13	0.2
R	25	O	263279	SR	0.35	0.17	0.17	-0.08	-0.05	-0.06	1.0
R	26	O	79113	SR	0.47	0.14	-0.04	0.14	-0.06	-0.06	0.3
R	28	O	275448	SPR	0.04	0.14	0.14	0.00			5.2
R	29	O	348331	SPR	0.10	0.32	0.32	-0.17			9.0
R	30	O	348444	SPR	0.03	0.20	0.20	-0.01			8.7
R	32	O	54696	SR	0.41	0.21	-0.13	-0.15	-0.06	0.21	0.3
R	33	O	282466	SR	0.49	0.33	-0.15	-0.18	0.33	-0.11	0.4
R	34	O	106654	SR	0.19	0.06	0.06	-0.15	0.15	-0.09	0.4
R	35	O	136693	SR	0.16	0.14	-0.02	-0.03	-0.06	0.14	0.6
R	36	O	223434	SR	0.45	0.15	-0.06	0.15	-0.09	-0.03	1.0
R	38	O	268673	SPR	0.76	0.40	0.40	-0.35			3.0
R	40	O	50379	SR	0.28	0.12	0.06	-0.13	0.12	-0.06	0.5
R	41	O	79076	SR	0.42	0.38	-0.19	-0.17	-0.15	0.38	0.3
R	42	O	215920	SR	0.66	0.35	-0.14	-0.21	0.35	-0.16	0.5
R	45	O	257130	SR	0.68	0.35	-0.18	0.35	-0.18	-0.16	0.5
R	46	O	54832	SR	0.47	0.42	-0.18	-0.22	-0.17	0.42	0.7
R	47	O	135124	SR	0.79	0.32	-0.19	-0.17	-0.17	0.32	0.3
R	48	O	54557	SR	0.63	0.37	0.37	-0.20	-0.21	-0.13	0.4
R	50	O	56453	SR	0.34	0.10	-0.06	0.10	-0.03	-0.02	0.5
R	51	O	135114	SR	0.29	0.23	-0.02	-0.15	-0.07	0.23	0.6
R	53	O	223437	SR	0.32	0.20	-0.01	-0.12	-0.08	0.20	0.4
R	54	O	223240	SR	0.49	0.39	0.39	-0.14	-0.20	-0.16	0.6
R	56	O	64245	SPR	0.65	0.39	0.39	-0.33			2.9
R	57	O	260772	SR	0.45	0.31	0.31	-0.11	-0.20	-0.11	0.3

Table 1.A 1 Item Statistics, Operational Items: MD HSA Algebra—October Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	58	O	255111	SR	0.62	0.38	-0.22	-0.18	0.38	-0.15	0.5
R	59	O	268656	SR	0.68	0.36	-0.18	0.36	-0.19	-0.15	0.4
R	61	O	51402	SR	0.54	0.29	-0.12	0.29	-0.18	-0.08	0.4
R	62	O	67455	SR	0.35	0.15	-0.06	-0.05	0.15	-0.06	0.9
R	63	O	52348	SR	0.55	0.34	-0.13	0.34	-0.18	-0.14	0.6
R	64	O	67481	SPR	0.52	0.42	0.42	-0.36			3.3
R	65	O	257118	SPR	0.40	0.39	0.39	-0.31			4.6
R	67	O	67423	SR	0.48	0.37	-0.11	-0.19	-0.18	0.37	0.6
R	68	O	67454	SR	0.40	0.26	-0.02	0.26	-0.16	-0.12	0.5
R	69	O	51447	SR	0.31	0.17	-0.12	0.17	-0.12	0.06	0.6
Mean					0.40	0.27	0.03	-0.07	-0.01	0.01	1.6
SD					0.19	0.10	0.20	0.19	0.19	0.18	2.6

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4=option-total correlation, %Omits=percent of omitted responses

Table 1.A2 Item Statistics, Operational Items: MD HSA Biology—October Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	1	O	192081	SR	0.61	0.25	-0.13	0.25	-0.16	-0.11	0.1
R	2	O	79415	SR	0.59	0.28	-0.10	-0.19	0.28	-0.12	0.1
R	5	O	251274	SR	0.38	0.23	0.23	-0.02	-0.20	-0.07	0.1
R	6	O	251257	SR	0.49	0.31	-0.13	0.31	-0.12	-0.17	0.1
R	7	O	52729	SR	0.57	0.22	0.22	-0.10	-0.10	-0.11	0.1
R	8	O	52739	SR	0.17	0.11	0.11	-0.11	-0.05	0.05	0.1
R	9	O	192077	SR	0.19	0.22	0.00	-0.20	-0.06	0.22	0.2
R	10	O	192084	SR	0.36	0.18	-0.15	0.01	-0.09	0.18	0.2
R	11	O	79482	SR	0.43	0.13	-0.04	0.13	-0.08	-0.05	0.3
R	13	O	52405	SR	0.29	0.12	0.12	-0.03	-0.03	-0.07	0.3
R	14	O	282388	SR	0.22	-0.02	-0.11	0.15	-0.02	-0.13	0.1
R	15	O	282458	SR	0.52	0.28	-0.16	-0.14	0.28	-0.09	0.2
R	17	O	223425	SR	0.35	0.15	-0.06	0.15	-0.06	-0.06	0.2
R	18	O	135004	SR	0.35	0.32	-0.17	-0.07	-0.18	0.32	0.1
R	19	O	332051	SR	0.24	0.32	0.32	-0.09	-0.13	-0.09	0.2
R	20	O	332047	SR	0.28	0.16	-0.12	-0.14	0.16	0.04	0.2
R	21	O	133437	SR	0.41	0.19	-0.07	-0.11	-0.05	0.19	0.2
R	22	O	52685	SR	0.65	0.30	-0.20	0.30	-0.14	-0.10	0.2
R	25	O	263156	SR	0.33	0.22	0.05	0.22	-0.17	-0.17	0.3
R	26	O	263161	SR	0.74	0.33	-0.17	-0.17	-0.18	0.33	0.2
R	27	O	108578	SR	0.62	0.26	0.26	-0.11	-0.15	-0.10	0.2
R	28	O	133060	SR	0.53	0.25	-0.17	-0.05	0.25	-0.10	0.3
R	29	O	218482	SR	0.14	0.16	0.06	-0.13	-0.04	0.16	0.5

Table 1.A2 Item Statistics, Operational Items: MD HSA Biology—October Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	30	O	218483	SR	0.35	0.22	-0.08	0.22	-0.16	-0.02	0.4
R	32	O	279568	SR	0.35	0.19	0.19	-0.06	-0.14	-0.01	0.5
R	33	O	279566	SR	0.31	0.22	-0.07	-0.07	-0.09	0.22	0.5
R	34	O	277325	SR	0.31	0.10	-0.03	-0.07	0.10	0.00	0.2
R	36	O	108523	SR	0.79	0.32	-0.18	-0.18	0.32	-0.15	0.2
R	37	O	68227	SR	0.39	0.20	0.06	0.20	-0.16	-0.16	0.1
R	38	O	68229	SR	0.40	0.06	-0.02	0.06	0.02	-0.09	0.2
R	39	O	271131	SR	0.33	0.20	-0.07	-0.07	0.20	-0.09	0.3
R	42	O	223416	SR	0.28	0.29	-0.07	-0.14	-0.09	0.29	0.2
R	43	O	223415	SR	0.41	0.32	-0.12	-0.12	-0.15	0.32	0.2
R	44	O	223422	SR	0.62	0.21	-0.13	-0.10	0.21	-0.08	0.1
R	46	O	79289	SR	0.32	0.13	-0.04	0.13	-0.04	-0.05	0.2
R	47	O	79290	SR	0.41	0.34	-0.14	-0.16	-0.13	0.34	0.2
R	48	O	79424	SR	0.60	0.31	-0.08	0.31	-0.20	-0.15	0.2
R	49	O	67680	SR	0.23	0.18	-0.03	-0.10	-0.05	0.18	0.2
R	53	O	296120	SR	0.50	0.29	-0.12	0.29	-0.14	-0.13	0.2
R	54	O	296119	SR	0.36	0.33	0.33	-0.09	-0.18	-0.12	0.2
R	56	O	65134	SR	0.25	0.27	-0.01	-0.14	-0.12	0.27	0.2
R	57	O	108583	SR	0.30	0.21	-0.03	0.21	-0.11	-0.09	0.2
R	58	O	64993	SR	0.32	0.09	-0.04	-0.05	0.09	0.00	0.3
R	59	O	67671	SR	0.18	0.06	-0.02	-0.13	0.09	0.06	0.2
R	60	O	79322	SR	0.20	0.07	0.07	0.01	-0.05	-0.02	0.3
R	61	O	79472	SR	0.25	0.16	0.16	-0.12	-0.03	-0.01	0.3
R	62	O	68251	SR	0.32	0.14	-0.13	0.03	0.14	-0.08	0.2
R	63	O	79495	SR	0.47	0.28	-0.15	-0.16	0.28	-0.05	0.3
R	64	O	136114	SR	0.48	0.32	-0.20	-0.03	-0.19	0.32	0.3
R	65	O	53508	SR	0.56	0.35	0.35	-0.19	-0.16	-0.13	0.3
R	66	O	53488	SR	0.52	0.33	-0.18	-0.15	0.33	-0.11	0.3
R	67	O	68253	SR	0.41	0.34	-0.10	-0.15	-0.17	0.34	0.3
R	68	O	79407	SR	0.52	0.37	0.37	-0.18	-0.20	-0.14	0.2
R	69	O	135597	SR	0.27	0.24	-0.06	-0.12	-0.06	0.24	0.4
R	70	O	136144	SR	0.39	0.24	-0.05	0.24	-0.10	-0.13	0.4
R	74	O	297096	SR	0.30	0.31	-0.06	-0.13	-0.14	0.31	0.3
R	75	O	282451	SR	0.40	0.28	-0.03	0.28	-0.19	-0.13	0.3
R	77	O	67641	SR	0.25	0.14	-0.03	-0.04	-0.05	0.14	0.4
R	78	O	67642	SR	0.47	0.27	-0.15	-0.12	0.27	-0.08	0.3
R	79	O	108532	SR	0.28	0.18	-0.10	-0.14	0.18	0.07	0.3
R	80	O	108531	SR	0.32	0.18	-0.14	0.18	-0.13	0.02	0.3
R	81	O	64984	SR	0.31	0.19	-0.05	-0.01	0.19	-0.14	0.3
R	83	O	52648	SR	0.29	0.21	0.21	-0.06	-0.13	-0.01	0.5
R	84	O	52649	SR	0.35	0.23	-0.16	-0.20	0.02	0.23	0.3
R	86	O	55099	SR	0.66	0.37	-0.17	0.37	-0.20	-0.16	0.3
R	87	O	53459	SR	0.27	0.23	-0.04	-0.08	-0.11	0.23	0.3

Table 1.A2 Item Statistics, Operational Items: MD HSA Biology—October Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	90	O	297534	SR	0.33	0.16	-0.10	0.04	0.16	-0.16	0.4
R	91	O	297532	SR	0.34	0.23	-0.05	-0.08	0.23	-0.12	0.4
R	92	O	65048	SR	0.32	0.21	0.21	-0.05	-0.07	-0.13	0.5
R	93	O	207713	SR	0.68	0.20	-0.13	-0.09	0.20	-0.08	0.4
R	94	O	214538	SR	0.39	0.28	-0.10	-0.17	0.28	-0.05	0.4
R	95	O	256493	SR	0.26	0.16	-0.07	0.16	-0.07	-0.01	0.5
R	96	O	256491	SR	0.29	0.20	0.20	-0.02	-0.10	-0.08	0.5
R	97	O	60537	SR	0.42	0.22	-0.08	-0.05	-0.14	0.22	0.5
R	98	O	279630	SR	0.31	0.10	0.10	-0.04	-0.10	0.06	0.4
R	99	O	282399	SR	0.39	0.31	0.31	-0.09	-0.16	-0.12	0.5
Mean					0.39	0.22	-0.02	-0.02	-0.03	0.01	0.3
SD					0.14	0.08	0.15	0.15	0.16	0.16	0.1

Note: Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A3 Item Statistics, Operational Items: MD HSA English—October Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	1	O	96009	SR	0.56	0.28	-0.15	-0.17	0.28	-0.11	0.1
R	2	O	96010	SR	0.55	0.24	0.24	-0.05	-0.17	-0.13	0.0
R	3	O	96011	SR	0.66	0.37	-0.13	-0.21	-0.22	0.37	0.1
R	4	O	96012	SR	0.50	0.23	0.23	-0.01	-0.18	-0.16	0.1
R	5	O	96013	SR	0.33	0.22	0.22	-0.13	-0.09	-0.04	0.2
R	6	O	96175	SR	0.78	0.31	-0.21	-0.23	-0.08	0.31	0.2
R	7	O	96176	SR	0.82	0.33	0.33	-0.16	-0.19	-0.19	0.1
R	8	O	96177	SR	0.66	0.25	-0.24	0.25	-0.21	-0.02	0.1
R	9	O	96178	SR	0.59	0.36	-0.17	0.36	-0.17	-0.23	0.1
R	10	O	96179	SR	0.53	0.32	-0.11	-0.25	-0.11	0.32	0.1
R	11	O	96180	SR	0.66	0.30	-0.15	-0.16	-0.18	0.30	0.1
R	12	O	251148	SR	0.33	0.25	-0.15	-0.16	0.25	0.01	0.2
R	13	O	251146	SR	0.35	0.15	0.15	-0.06	-0.07	-0.05	0.2
R	14	O	251144	SR	0.21	0.09	-0.10	0.09	0.06	-0.04	0.2
R	16	O	223371	SR	0.58	0.36	-0.14	-0.23	0.36	-0.14	0.3
R	17	O	223322	SR	0.29	0.24	-0.04	0.24	-0.16	-0.10	0.3
R	18	O	223323	SR	0.30	0.20	-0.14	0.03	-0.11	0.20	0.3
R	19	O	223325	SR	0.61	0.36	-0.19	-0.14	-0.21	0.36	0.3
R	25	O	95581	SR	0.70	0.37	-0.21	-0.18	0.37	-0.18	0.5
R	26	O	95582	SR	0.40	0.34	-0.24	-0.10	0.34	-0.06	0.6
R	27	O	95583	SR	0.60	0.44	-0.21	-0.24	-0.17	0.44	0.7
R	28	O	95584	SR	0.67	0.39	-0.19	0.39	-0.19	-0.18	0.7

Table 1.A3 Item Statistics, Operational Items: MD HSA English—October Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	29	O	95585	SR	0.36	0.25	0.03	-0.16	-0.17	0.25	1.1
R	30	O	95586	SR	0.51	0.33	0.33	-0.22	-0.24	0.01	1.2
R	31	O	95587	SR	0.49	0.26	-0.09	0.26	-0.12	-0.12	1.4
R	32	O	95588	SR	0.52	0.43	-0.13	-0.21	-0.26	0.43	1.5
R	33	O	130139	SR	0.45	0.17	0.03	-0.23	0.17	-0.09	0.3
R	34	O	130277	SR	0.46	0.27	-0.07	-0.15	-0.11	0.27	0.2
R	35	O	96045	SR	0.28	0.16	0.16	-0.06	-0.07	-0.04	0.3
R	47	O	281767	SR	0.36	0.14	-0.16	-0.06	0.14	0.01	0.4
R	48	O	281766	SR	0.60	0.16	0.16	-0.03	-0.11	-0.08	0.3
R	49	O	281765	SR	0.30	0.16	-0.02	-0.13	0.16	0.00	0.4
R	61	O	130130	SR	0.27	0.23	0.23	-0.18	-0.20	0.09	0.9
R	62	O	130132	SR	0.51	0.30	0.30	-0.11	-0.16	-0.10	1.1
R	63	O	130136	SR	0.54	0.32	-0.14	-0.14	0.32	-0.15	1.0
R	64	O	130133	SR	0.37	0.26	-0.03	-0.11	-0.20	0.26	1.1
R	65	O	130294	SR	0.64	0.34	-0.18	-0.18	0.34	-0.13	1.2
R	66	O	130293	SR	0.58	0.38	-0.15	-0.24	0.38	-0.17	1.2
R	67	O	130135	SR	0.44	0.20	-0.03	-0.15	0.20	-0.12	1.2
R	68	O	256294	SR	0.70	0.33	-0.15	-0.24	0.33	-0.10	0.5
R	69	O	251223	SR	0.27	0.19	0.00	-0.08	-0.10	0.19	0.5
R	70	O	251224	SR	0.34	0.19	-0.11	-0.05	0.19	-0.06	0.4
R	71	O	251225	SR	0.21	0.20	0.20	0.00	-0.13	-0.02	0.5
R	72	O	251226	SR	0.32	0.25	-0.03	-0.18	0.25	-0.06	0.4
R	73	O	251227	SR	0.51	0.30	-0.12	0.30	-0.21	-0.09	0.5
R	76	O	130977	SR	0.41	0.35	0.35	-0.11	-0.20	-0.11	0.5
R	77	O	130978	SR	0.57	0.31	-0.16	0.31	-0.21	-0.04	0.7
R	78	O	130979	SR	0.54	0.29	0.29	-0.09	-0.12	-0.18	0.5
R	79	O	130982	SR	0.61	0.42	-0.19	0.42	-0.25	-0.14	0.5
R	80	O	130984	SR	0.57	0.42	-0.17	-0.22	-0.17	0.42	0.5
R	81	O	130985	SR	0.53	0.42	-0.14	-0.21	0.42	-0.21	0.5
R	82	O	130965	SR	0.54	0.29	-0.18	0.29	-0.21	-0.01	0.5
R	83	O	130980	SR	0.35	0.21	-0.14	-0.13	0.21	0.03	0.5
R	84	O	130966	SR	0.31	0.29	0.02	-0.17	-0.17	0.29	0.5
R	85	O	130967	SR	0.39	0.22	-0.03	0.22	-0.15	-0.07	0.5
R	86	O	285599	SR	0.43	0.20	-0.16	0.20	-0.11	0.05	0.5
R	87	O	285600	SR	0.41	0.22	-0.11	-0.17	0.22	0.03	0.6
R	88	O	285601	SR	0.39	0.30	0.01	-0.15	-0.24	0.30	0.6
R	97	O	108720	SR	0.19	0.07	0.07	-0.13	0.12	-0.07	0.8
R	98	O	108721	SR	0.43	0.14	-0.05	0.02	-0.15	0.14	0.8
Mean					0.47	0.27	-0.04	-0.06	-0.02	0.02	0.5
SD					0.15	0.09	0.17	0.18	0.21	0.19	0.4

Note: Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A4 Item Statistics, Operational Items: MD HSA Algebra—January Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A-B	1	L	106628	SR	0.62	0.28	-0.13	0.28	-0.18	-0.11	0.0
A-B	2	O	106648	SR	0.48	0.27	-0.14	-0.16	0.27	-0.04	0.8
A-B	4	O	322003	SR	0.58	0.34	-0.12	0.34	-0.19	-0.17	0.2
A-B	5	L	338630	SR	0.36	0.35	0.35	-0.13	-0.21	-0.11	0.2
A-B	7	O	268686	SPR	0.11	0.43	0.43	-0.32			3.7
A-B	8	L	211044	SR	0.52	0.18	-0.10	-0.18	0.18	-0.03	0.2
A-B	9	L	275456	SR	0.22	0.27	-0.11	-0.08	-0.07	0.27	0.6
A-B	11	L	51411	SR	0.55	0.28	-0.07	0.28	-0.15	-0.17	0.1
A-B	12	L	135106	SR	0.25	0.23	-0.17	0.10	-0.17	0.23	0.3
A-B	13	O	263280	SR	0.40	0.42	-0.19	-0.15	-0.17	0.42	0.5
A-B	15	L	54863	SR	0.55	0.41	0.41	-0.19	-0.23	-0.17	0.2
A-B	16	O	319409	SR	0.33	0.21	-0.06	0.21	-0.15	-0.02	0.5
A-B	17	L	54864	SR	0.63	0.46	0.46	-0.27	-0.24	-0.15	0.4
A-B	18	L	215933	SPR	0.50	0.48	0.48	-0.42			4.4
A-B	19	O	263289	SPR	0.20	0.40	0.40	-0.28			6.5
A-B	21	O	260759	SR	0.20	0.43	-0.16	-0.19	-0.04	0.43	1.1
A-B	22	L	106603	SR	0.19	0.15	0.15	0.03	-0.09	-0.06	1.4
A-B	23	O	51427	SR	0.55	0.39	0.39	-0.18	-0.20	-0.15	1.6
A-B	24	L	257133	SR	0.66	0.40	-0.22	-0.26	-0.12	0.40	0.2
A-B	26	L	319434	SR	0.59	0.43	-0.22	0.43	-0.22	-0.17	0.3
A-B	27	O	348358	SR	0.31	0.21	0.21	-0.18	-0.19	0.11	0.4
A-B	28	L	79053	SR	0.67	0.33	-0.11	-0.22	0.33	-0.15	0.5
A-B	29	O	322115	SPR	0.14	0.41	0.41	-0.31			3.7
A-B	31	L	215929	SPR	0.39	0.46	0.46	-0.38			4.5
A-B	32	L	328732	SR	0.34	0.18	-0.03	-0.14	0.18	-0.02	0.5
A-B	33	L	319450	SR	0.28	0.17	-0.13	0.17	0.03	-0.14	0.6
A-B	35	O	54902	SR	0.35	0.34	-0.18	-0.05	-0.19	0.34	0.3
A-B	37	L	106576	SR	0.25	0.15	-0.01	0.15	-0.08	-0.04	0.5
A-B	38	L	52342	SR	0.46	0.29	-0.13	0.29	-0.12	-0.13	0.5
A-B	40	L	348318	SR	0.70	0.37	-0.24	-0.16	0.37	-0.13	0.4
A-B	42	O	319448	SPR	0.11	0.43	0.43	-0.27			8.5
A-B	43	O	319437	SPR	0.34	0.48	0.48	-0.39			7.0
A-B	44	O	223334	SR	0.27	0.18	0.18	-0.02	-0.09	-0.07	0.8
A-B	45	O	328761	SR	0.38	0.18	-0.14	0.18	-0.03	-0.06	0.9
A-B	46	L	328778	SR	0.57	0.39	-0.18	-0.20	-0.16	0.39	1.0
A-B	47	O	348314	SR	0.64	0.31	-0.17	0.31	-0.21	-0.09	0.4
A-B	49	L	51401	SR	0.82	0.34	-0.16	-0.18	-0.20	0.34	0.3
A-B	50	O	268745	SR	0.48	0.34	0.34	-0.17	-0.15	-0.11	0.4
A-B	52	L	79109	SR	0.25	0.24	-0.10	-0.15	-0.02	0.24	0.6
A-B	53	O	54772	SR	0.48	0.22	-0.08	-0.18	0.22	-0.04	0.4
A-B	54	O	338679	SR	0.34	0.15	-0.10	0.15	0.03	-0.11	0.5
A-B	55	O	338663	SPR	0.09	0.44	0.44	-0.29			4.8
A-B	57	L	268744	SR	0.31	0.34	0.34	-0.15	-0.03	-0.19	0.3

Table 1.A4 Item Statistics, Operational Items: MD HSA Algebra—January Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A-B	58	L	132825	SR	0.38	0.16	-0.06	-0.06	0.16	-0.06	0.5
A-B	59	L	328762	SR	0.33	0.23	0.23	-0.10	-0.05	-0.13	0.5
A-B	60	L	54889	SR	0.24	0.40	-0.18	-0.13	-0.09	0.40	0.4
A-B	62	L	106642	SR	0.24	0.32	-0.14	-0.09	-0.08	0.32	0.5
A-B	64	L	319460	SPR	0.29	0.50	0.50	-0.39			5.4
A-B	65	O	268720	SPR	0.55	0.41	0.41	-0.35			4.3
A-B	66	O	348319	SR	0.49	0.34	0.34	-0.11	-0.20	-0.13	0.5
A-B	67	L	43218	SR	0.44	0.35	-0.13	-0.12	-0.19	0.35	0.6
A-B	68	L	328718	SR	0.26	0.17	-0.12	-0.04	0.17	-0.01	0.5
A-B	69	L	338676	SR	0.40	0.26	-0.13	0.26	-0.10	-0.09	0.7
Mean					0.40	0.32	0.07	-0.08	-0.06	0.03	1.4
SD					0.17	0.10	0.26	0.21	0.16	0.21	2.0

Note: Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A5 Item Statistics, Operational Items: MD HSA Algebra—January Makeup

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C	1	L	106628	SR	0.62	0.28	-0.13	0.28	-0.18	-0.11	0.0
C	2	O	133393	SR	0.50	0.26	-0.14	-0.13	0.26	-0.09	0.1
C	4	O	319410	SR	0.28	0.32	-0.07	0.32	-0.19	-0.07	0.1
C	5	L	338630	SR	0.36	0.35	0.35	-0.13	-0.21	-0.11	0.2
C	7	O	263286	SPR	0.09	0.39	0.39	-0.30			2.3
C	8	L	211044	SR	0.52	0.18	-0.10	-0.18	0.18	-0.03	0.2
C	9	L	275456	SR	0.22	0.27	-0.11	-0.08	-0.07	0.27	0.6
C	11	L	51411	SR	0.55	0.28	-0.07	0.28	-0.15	-0.17	0.1
C	12	L	135106	SR	0.25	0.23	-0.17	0.10	-0.17	0.23	0.3
C	13	O	282378	SR	0.51	0.31	-0.10	-0.12	-0.21	0.31	0.1
C	15	L	54863	SR	0.55	0.41	0.41	-0.19	-0.23	-0.17	0.2
C	16	O	348336	SR	0.50	0.25	-0.14	0.25	-0.16	-0.02	0.2
C	17	L	54864	SR	0.63	0.46	0.46	-0.27	-0.24	-0.15	0.4
C	18	L	215933	SPR	0.50	0.48	0.48	-0.42			4.4
C	19	O	260752	SPR	0.55	0.50	0.50	-0.45			3.3
C	21	O	56440	SR	0.60	0.29	-0.16	0.29	-0.17	-0.11	0.8
C	22	L	106603	SR	0.19	0.15	0.15	0.03	-0.09	-0.06	1.4
C	23	O	348438	SR	0.55	0.30	-0.09	-0.22	0.30	-0.13	1.3
C	24	L	257133	SR	0.66	0.40	-0.22	-0.26	-0.12	0.40	0.2
C	26	L	319434	SR	0.59	0.43	-0.22	0.43	-0.22	-0.17	0.3
C	27	O	51414	SR	0.39	0.37	0.37	-0.13	-0.22	-0.09	0.3

Table 1.A5 Item Statistics, Operational Items: MD HSA Algebra—January Makeup

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C	28	L	79053	SR	0.67	0.33	-0.11	-0.22	0.33	-0.15	0.5
C	29	O	322117	SPR	0.06	0.29	0.29	-0.19			4.1
C	31	L	215929	SPR	0.39	0.46	0.46	-0.38			4.5
C	32	L	328732	SR	0.34	0.18	-0.03	-0.14	0.18	-0.02	0.5
C	33	L	319450	SR	0.28	0.17	-0.13	0.17	0.03	-0.14	0.6
C	35	O	79032	SR	0.45	0.12	-0.04	0.12	-0.07	-0.04	0.5
C	37	L	106576	SR	0.25	0.15	-0.01	0.15	-0.08	-0.04	0.5
C	38	L	52342	SR	0.46	0.29	-0.13	0.29	-0.12	-0.13	0.5
C	40	L	348318	SR	0.70	0.37	-0.24	-0.16	0.37	-0.13	0.4
C	42	O	338667	SPR	0.06	0.22	0.22	-0.09			4.5
C	43	O	106614	SPR	0.36	0.53	0.53	-0.47			2.7
C	44	O	106656	SR	0.46	0.35	-0.15	0.35	-0.18	-0.10	0.7
C	45	O	328708	SR	0.53	0.24	-0.03	-0.12	0.24	-0.18	0.7
C	46	L	328778	SR	0.57	0.39	-0.18	-0.20	-0.16	0.39	1.0
C	47	O	133413	SR	0.44	0.18	-0.07	-0.11	0.18	-0.04	0.4
C	49	L	51401	SR	0.82	0.34	-0.16	-0.18	-0.20	0.34	0.3
C	50	O	106552	SR	0.46	0.32	-0.13	-0.17	0.32	-0.15	0.2
C	52	L	79109	SR	0.25	0.24	-0.10	-0.15	-0.02	0.24	0.6
C	53	O	338677	SR	0.39	0.24	-0.07	0.24	-0.14	-0.09	0.3
C	54	O	338658	SR	0.19	0.11	0.11	-0.04	0.04	-0.13	0.4
C	55	O	255080	SPR	0.26	0.40	0.40	-0.34			2.3
C	57	L	268744	SR	0.31	0.34	0.34	-0.15	-0.03	-0.19	0.3
C	58	L	132825	SR	0.38	0.16	-0.06	-0.06	0.16	-0.06	0.5
C	59	L	328762	SR	0.33	0.23	0.23	-0.10	-0.05	-0.13	0.5
C	60	L	54889	SR	0.24	0.40	-0.18	-0.13	-0.09	0.40	0.4
C	62	L	106642	SR	0.24	0.32	-0.14	-0.09	-0.08	0.32	0.5
C	64	L	319460	SPR	0.29	0.50	0.50	-0.39			5.4
C	65	O	328724	SPR	0.08	0.34	0.34	-0.21			5.0
C	66	O	211019	SR	0.50	0.39	0.39	-0.21	-0.18	-0.12	0.3
C	67	L	43218	SR	0.44	0.35	-0.13	-0.12	-0.19	0.35	0.6
C	68	L	328718	SR	0.26	0.17	-0.12	-0.04	0.17	-0.01	0.5
C	69	L	338676	SR	0.40	0.26	-0.13	0.26	-0.10	-0.09	0.7
Mean					0.41	0.31	0.05	-0.07	-0.04	0.00	1.1
SD					0.17	0.10	0.25	0.22	0.18	0.19	1.4

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A6 Item Statistics, Operational Items: MD HSA Biology—January Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A-B	1	L	223449	SR	0.81	0.36	-0.20	-0.20	0.36	-0.18	0.1
A-B	2	O	223450	SR	0.68	0.44	-0.21	-0.29	-0.17	0.44	0.0
A-B	3	L	323288	SR	0.57	0.47	-0.15	-0.26	-0.25	0.47	0.0
A-B	4	L	323287	SR	0.36	0.34	-0.22	0.34	-0.02	-0.15	0.1
A-B	6	O	133059	SR	0.54	0.46	-0.22	0.46	-0.24	-0.19	0.1
A-B	7	O	54988	SR	0.49	0.54	-0.19	-0.33	-0.18	0.54	0.1
A-B	8	L	338714	SR	0.59	0.40	0.40	-0.22	-0.21	-0.14	0.1
A-B	9	O	338713	SR	0.39	0.33	-0.25	-0.12	-0.06	0.33	0.1
A-B	10	O	52552	SR	0.55	0.51	-0.21	-0.25	-0.25	0.51	0.2
A-B	14	O	331307	SR	0.57	0.44	-0.20	-0.25	0.44	-0.17	0.2
A-B	15	L	331304	SR	0.63	0.49	-0.22	0.49	-0.27	-0.21	0.2
A-B	16	O	79458	SR	0.43	0.49	0.49	-0.19	-0.30	-0.11	0.2
A-B	17	O	57029	SR	0.41	0.41	0.41	-0.24	-0.10	-0.17	0.3
A-B	18	L	271056	SR	0.69	0.21	-0.06	-0.27	0.21	0.05	0.1
A-B	19	O	214545	SR	0.46	0.49	-0.19	-0.20	-0.25	0.49	0.2
A-B	22	O	322164	SR	0.34	0.31	-0.10	0.31	-0.17	-0.08	0.2
A-B	23	L	322163	SR	0.40	0.50	-0.10	-0.25	-0.28	0.50	0.3
A-B	24	O	322175	SR	0.47	0.50	0.50	-0.32	-0.17	-0.16	0.3
A-B	25	O	79484	SR	0.40	0.43	-0.19	0.43	-0.21	-0.13	0.3
A-B	26	O	332083	SR	0.50	0.47	-0.22	-0.28	0.47	-0.12	0.4
A-B	27	L	332081	SR	0.47	0.34	-0.12	0.34	-0.17	-0.15	0.4
A-B	28	L	218479	SR	0.42	0.51	0.51	-0.17	-0.29	-0.18	0.5
A-B	29	L	218480	SR	0.38	0.58	-0.12	-0.34	-0.23	0.58	0.5
A-B	31	L	108514	SR	0.50	0.51	0.51	-0.29	-0.28	-0.11	0.5
A-B	32	O	108521	SR	0.51	0.57	-0.22	0.57	-0.29	-0.27	0.6
A-B	33	L	55004	SR	0.55	0.49	-0.26	0.49	-0.21	-0.19	0.7
A-B	34	L	68110	SR	0.78	0.40	0.40	-0.23	-0.25	-0.14	0.2
A-B	35	O	67660	SR	0.54	0.44	-0.21	-0.20	-0.21	0.44	0.2
A-B	36	L	323296	SR	0.35	0.33	0.06	-0.20	-0.22	0.33	0.3
A-B	37	L	323294	SR	0.67	0.42	-0.24	0.42	-0.21	-0.19	0.2
A-B	39	L	55265	SR	0.26	0.18	0.18	-0.03	-0.03	-0.12	0.2
A-B	43	L	57024	SR	0.58	0.46	-0.21	-0.29	0.46	-0.13	0.2
A-B	44	O	56978	SR	0.40	0.40	0.40	-0.13	-0.25	-0.10	0.3
A-B	45	O	52754	SR	0.80	0.36	-0.20	0.36	-0.21	-0.16	0.2
A-B	46	L	352590	SR	0.53	0.35	-0.03	0.35	-0.26	-0.21	0.2
A-B	49	L	133015	SR	0.47	0.44	-0.18	-0.20	-0.23	0.44	0.3
A-B	50	L	133016	SR	0.37	0.45	-0.18	-0.17	-0.19	0.45	0.3
A-B	51	O	57142	SR	0.21	0.30	0.30	0.07	-0.19	-0.16	0.3
A-B	52	L	55149	SR	0.49	0.39	-0.20	-0.10	-0.23	0.39	0.3
A-B	53	O	136132	SR	0.54	0.51	0.51	-0.26	-0.29	-0.15	0.3
A-B	54	L	136134	SR	0.38	0.26	-0.11	-0.05	0.26	-0.17	0.3
A-B	55	O	68147	SR	0.42	0.52	-0.18	-0.16	-0.29	0.52	0.4
A-B	56	O	214530	SR	0.26	0.30	0.30	-0.16	-0.01	-0.16	0.4
A-B	59	L	64743	SR	0.76	0.38	0.38	-0.25	-0.17	-0.14	0.3

Table 1.A6 Item Statistics, Operational Items: MD HSA Biology—January Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A-B	60	O	64744	SR	0.43	0.49	-0.19	0.49	-0.31	-0.13	0.4
A-B	61	L	68197	SR	0.51	0.21	0.21	-0.16	-0.23	0.07	0.4
A-B	62	L	53449	SR	0.57	0.49	-0.16	0.49	-0.26	-0.27	0.4
A-B	63	L	256479	SR	0.67	0.49	-0.19	0.49	-0.25	-0.29	0.4
A-B	64	L	256481	SR	0.50	0.46	-0.08	-0.18	-0.31	0.46	0.4
A-B	65	L	279622	SR	0.36	0.41	0.41	-0.15	-0.11	-0.22	0.4
A-B	66	O	65126	SR	0.53	0.50	0.50	-0.24	-0.20	-0.24	0.5
A-B	67	L	256531	SR	0.74	0.44	-0.28	-0.22	0.44	-0.17	0.3
A-B	68	L	256534	SR	0.69	0.45	-0.22	-0.24	-0.22	0.45	0.3
A-B	69	L	263152	SR	0.40	0.25	0.25	0.02	-0.22	-0.14	0.3
A-B	70	O	55016	SR	0.47	0.43	-0.23	-0.26	0.43	-0.08	0.3
A-B	74	L	323308	SR	0.45	0.54	-0.19	-0.29	0.54	-0.21	0.3
A-B	75	L	323307	SR	0.74	0.44	-0.26	-0.17	-0.23	0.44	0.3
A-B	76	O	64718	SR	0.46	0.47	-0.19	-0.23	0.47	-0.18	0.3
A-B	77	O	271117	SR	0.36	0.39	-0.10	-0.13	-0.23	0.39	0.3
A-B	78	L	68207	SR	0.47	0.44	-0.20	-0.25	0.44	-0.15	0.3
A-B	79	O	68208	SR	0.43	0.39	-0.05	-0.29	0.39	-0.16	0.4
A-B	80	L	64701	SR	0.52	0.46	-0.17	-0.25	0.46	-0.19	0.3
A-B	82	L	64739	SR	0.55	0.41	-0.16	-0.23	0.41	-0.17	0.3
A-B	83	L	52577	SR	0.63	0.45	-0.21	0.45	-0.27	-0.20	0.4
A-B	86	L	52463	SR	0.67	0.47	0.47	-0.24	-0.26	-0.20	0.4
A-B	87	L	352586	SR	0.76	0.36	-0.24	0.36	-0.19	-0.13	0.3
A-B	88	O	320458	SR	0.65	0.35	-0.12	0.35	-0.27	-0.09	0.3
A-B	89	L	320455	SR	0.41	0.36	-0.21	-0.07	-0.19	0.36	0.3
A-B	91	L	65142	SR	0.58	0.42	-0.17	-0.23	0.42	-0.19	0.3
A-B	92	L	331294	SR	0.46	0.36	-0.17	0.36	-0.24	-0.05	0.4
A-B	93	O	331295	SR	0.37	0.24	-0.11	-0.14	0.24	-0.01	0.5
A-B	95	L	67692	SR	0.41	0.42	-0.10	0.42	-0.25	-0.18	0.4
A-B	96	O	175495	SR	0.34	0.18	0.18	-0.13	0.03	-0.09	0.4
A-B	97	L	349116	SR	0.62	0.38	-0.22	-0.21	0.38	-0.16	0.4
A-B	98	L	349027	SR	0.27	0.32	-0.12	-0.16	0.32	-0.03	0.5
A-B	99	L	349028	SR	0.37	0.57	-0.16	-0.24	-0.26	0.57	0.5
Mean					0.50	0.42	-0.03	-0.05	-0.07	0.01	0.3
SD					0.14	0.09	0.26	0.28	0.27	0.28	0.1

Note: Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A7 Item Statistics, Operational Items: MD HSA Biology—January Makeup

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C	1	L	223449	SR	0.81	0.36	-0.20	-0.20	0.36	-0.18	0.1
C	2	O	223451	SR	0.71	0.40	-0.22	0.40	-0.20	-0.19	0.0
C	3	L	323288	SR	0.57	0.47	-0.15	-0.26	-0.25	0.47	0.0
C	4	L	323287	SR	0.36	0.34	-0.22	0.34	-0.02	-0.15	0.1
C	6	O	67647	SR	0.21	0.26	-0.05	0.26	-0.05	-0.15	0.1
C	7	O	349097	SR	0.49	0.55	0.55	-0.24	-0.22	-0.30	0.1
C	8	L	338714	SR	0.59	0.40	0.40	-0.22	-0.21	-0.14	0.1
C	9	O	338712	SR	0.41	0.53	-0.03	0.53	-0.35	-0.24	0.0
C	10	O	52608	SR	0.55	0.44	-0.25	-0.26	0.44	-0.10	0.0
C	14	O	331305	SR	0.42	0.51	0.51	-0.23	-0.21	-0.21	0.3
C	15	L	331304	SR	0.63	0.49	-0.22	0.49	-0.27	-0.21	0.2
C	16	O	214536	SR	0.46	0.42	0.42	-0.13	-0.28	-0.17	0.1
C	17	O	79520	SR	0.46	0.44	-0.16	-0.20	-0.21	0.44	0.1
C	18	L	271056	SR	0.69	0.21	-0.06	-0.27	0.21	0.05	0.1
C	19	O	67684	SR	0.57	0.37	-0.14	-0.21	0.37	-0.16	0.4
C	22	O	322165	SR	0.42	0.42	0.42	-0.19	-0.22	-0.14	0.3
C	23	L	322163	SR	0.40	0.50	-0.10	-0.25	-0.28	0.50	0.3
C	24	O	279612	SR	0.40	0.54	-0.26	-0.21	0.54	-0.22	0.3
C	25	O	68178	SR	0.25	0.32	0.06	-0.21	-0.22	0.32	0.3
C	26	O	332082	SR	0.37	0.54	0.54	-0.23	-0.24	-0.16	0.4
C	27	L	332081	SR	0.47	0.34	-0.12	0.34	-0.17	-0.15	0.4
C	28	L	218479	SR	0.42	0.51	0.51	-0.17	-0.29	-0.18	0.5
C	29	L	218480	SR	0.38	0.58	-0.12	-0.34	-0.23	0.58	0.5
C	31	L	108514	SR	0.50	0.51	0.51	-0.29	-0.28	-0.11	0.5
C	32	O	79490	SR	0.42	0.47	-0.20	0.47	-0.24	-0.13	0.7
C	33	L	55004	SR	0.55	0.49	-0.26	0.49	-0.21	-0.19	0.7
C	34	L	68110	SR	0.78	0.40	0.40	-0.23	-0.25	-0.14	0.2
C	35	O	214524	SR	0.61	0.45	-0.19	0.45	-0.22	-0.24	0.1
C	36	L	323296	SR	0.35	0.33	0.06	-0.20	-0.22	0.33	0.3
C	37	L	323294	SR	0.67	0.42	-0.24	0.42	-0.21	-0.19	0.2
C	39	L	55265	SR	0.26	0.18	0.18	-0.03	-0.03	-0.12	0.2
C	43	L	57024	SR	0.58	0.46	-0.21	-0.29	0.46	-0.13	0.2
C	44	O	55152	SR	0.61	0.50	-0.19	-0.29	0.50	-0.23	0.1
C	45	O	79401	SR	0.44	0.28	0.05	-0.26	0.28	-0.23	0.1
C	46	L	352590	SR	0.53	0.35	-0.03	0.35	-0.26	-0.21	0.2
C	49	L	133015	SR	0.47	0.44	-0.18	-0.20	-0.23	0.44	0.3
C	50	L	133016	SR	0.37	0.45	-0.18	-0.17	-0.19	0.45	0.3
C	51	O	79481	SR	0.38	0.23	-0.17	-0.10	0.23	-0.02	0.1
C	52	L	55149	SR	0.49	0.39	-0.20	-0.10	-0.23	0.39	0.3
C	53	O	136133	SR	0.48	0.36	-0.07	-0.25	-0.16	0.36	0.2
C	54	L	136134	SR	0.38	0.26	-0.11	-0.05	0.26	-0.17	0.3
C	55	O	67681	SR	0.40	0.49	-0.18	-0.27	-0.14	0.49	0.2
C	56	O	68285	SR	0.53	0.37	-0.09	0.37	-0.22	-0.19	0.3

Table 1.A7 Item Statistics, Operational Items: MD HSA Biology—January Makeup

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C	59	L	64743	SR	0.76	0.38	0.38	-0.25	-0.17	-0.14	0.3
C	60	O	64745	SR	0.55	0.48	-0.30	0.48	-0.23	-0.12	0.2
C	61	L	68197	SR	0.51	0.21	0.21	-0.16	-0.23	0.07	0.4
C	62	L	53449	SR	0.57	0.49	-0.16	0.49	-0.26	-0.27	0.4
C	63	L	256479	SR	0.67	0.49	-0.19	0.49	-0.25	-0.29	0.4
C	64	L	256481	SR	0.50	0.46	-0.08	-0.18	-0.31	0.46	0.4
C	65	L	279622	SR	0.36	0.41	0.41	-0.15	-0.11	-0.22	0.4
C	66	O	67675	SR	0.59	0.51	-0.22	-0.27	-0.24	0.51	0.2
C	67	L	256531	SR	0.74	0.44	-0.28	-0.22	0.44	-0.17	0.3
C	68	L	256534	SR	0.69	0.45	-0.22	-0.24	-0.22	0.45	0.3
C	69	L	263152	SR	0.40	0.25	0.25	0.02	-0.22	-0.14	0.3
C	70	O	57070	SR	0.40	0.49	-0.24	-0.24	-0.14	0.49	0.1
C	74	L	323308	SR	0.45	0.54	-0.19	-0.29	0.54	-0.21	0.3
C	75	L	323307	SR	0.74	0.44	-0.26	-0.17	-0.23	0.44	0.3
C	76	O	64721	SR	0.45	0.38	-0.17	-0.17	0.38	-0.14	0.2
C	77	O	108646	SR	0.50	0.38	-0.19	0.38	-0.22	-0.09	0.1
C	78	L	68207	SR	0.47	0.44	-0.20	-0.25	0.44	-0.15	0.3
C	79	O	68209	SR	0.55	0.55	0.55	-0.26	-0.31	-0.19	0.2
C	80	L	64701	SR	0.52	0.46	-0.17	-0.25	0.46	-0.19	0.3
C	82	L	64739	SR	0.55	0.41	-0.16	-0.23	0.41	-0.17	0.3
C	83	L	52577	SR	0.63	0.45	-0.21	0.45	-0.27	-0.20	0.4
C	86	L	52463	SR	0.67	0.47	0.47	-0.24	-0.26	-0.20	0.4
C	87	L	352586	SR	0.76	0.36	-0.24	0.36	-0.19	-0.13	0.3
C	88	O	320457	SR	0.34	0.52	0.52	-0.30	-0.16	-0.14	0.4
C	89	L	320455	SR	0.41	0.36	-0.21	-0.07	-0.19	0.36	0.3
C	91	L	65142	SR	0.58	0.42	-0.17	-0.23	0.42	-0.19	0.3
C	92	L	331294	SR	0.46	0.36	-0.17	0.36	-0.24	-0.05	0.4
C	93	O	331293	SR	0.35	0.55	-0.12	-0.25	-0.24	0.55	0.4
C	95	L	67692	SR	0.41	0.42	-0.10	0.42	-0.25	-0.18	0.4
C	96	O	65127	SR	0.51	0.42	-0.21	0.42	-0.20	-0.17	0.4
C	97	L	349116	SR	0.62	0.38	-0.22	-0.21	0.38	-0.16	0.4
C	98	L	349027	SR	0.27	0.32	-0.12	-0.16	0.32	-0.03	0.5
C	99	L	349028	SR	0.37	0.57	-0.16	-0.24	-0.26	0.57	0.5
Mean					0.50	0.42	-0.03	-0.04	-0.07	-0.01	0.3
SD					0.13	0.09	0.26	0.29	0.27	0.28	0.1

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A8 Item Statistics, Operational Items: MD HSA English—January Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A-B	1	O	130066	SR	0.70	0.27	-0.04	0.27	-0.05	-0.25	0.0
A-B	2	O	130067	SR	0.35	0.43	-0.26	-0.18	0.43	-0.08	0.0
A-B	3	O	130069	SR	0.48	0.38	-0.22	-0.09	-0.18	0.38	0.1
A-B	4	O	130074	SR	0.59	0.35	-0.18	0.35	-0.23	-0.13	0.0
A-B	5	O	256286	SR	0.70	0.32	-0.13	-0.19	0.32	-0.19	0.1
A-B	6	O	130199	SR	0.74	0.35	0.35	-0.24	-0.20	-0.12	0.1
A-B	12	O	96027	SR	0.46	0.35	-0.18	-0.21	-0.15	0.35	0.1
A-B	13	O	96028	SR	0.59	0.43	0.43	-0.23	-0.23	-0.15	0.1
A-B	14	O	96029	SR	0.39	0.39	0.39	-0.21	-0.20	-0.07	0.2
A-B	24	O	256303	SR	0.69	0.45	-0.24	-0.22	0.45	-0.21	0.3
A-B	25	L	256416	SR	0.64	0.44	-0.21	0.44	-0.23	-0.22	0.3
A-B	26	L	272879	SR	0.57	0.43	0.43	-0.25	-0.13	-0.23	0.4
A-B	27	O	285489	SR	0.54	0.47	0.47	-0.22	-0.20	-0.23	0.8
A-B	28	O	285488	SR	0.69	0.47	-0.26	0.47	-0.25	-0.21	0.7
A-B	29	O	285491	SR	0.41	0.43	0.43	-0.17	-0.23	-0.11	0.9
A-B	30	O	285494	SR	0.38	0.47	-0.22	0.47	-0.22	-0.19	0.9
A-B	31	O	285612	SR	0.47	0.39	-0.19	-0.24	0.39	-0.09	1.0
A-B	32	O	285492	SR	0.54	0.45	-0.27	-0.11	-0.25	0.45	1.1
A-B	33	O	349416	SR	0.71	0.35	-0.20	-0.20	0.35	-0.14	0.2
A-B	34	O	96382	SR	0.94	0.33	-0.18	0.33	-0.20	-0.16	0.1
A-B	35	O	130048	SR	0.59	0.35	-0.16	-0.16	0.35	-0.17	0.2
A-B	37	L	108806	SR	0.64	0.41	-0.20	-0.17	-0.24	0.41	0.2
A-B	38	L	108808	SR	0.53	0.19	-0.08	0.19	-0.07	-0.13	0.2
A-B	39	L	108779	SR	0.71	0.43	-0.22	-0.25	0.43	-0.19	0.2
A-B	40	L	108809	SR	0.35	0.32	-0.23	-0.07	0.32	-0.13	0.2
A-B	41	L	108805	SR	0.56	0.43	0.43	-0.25	-0.20	-0.15	0.1
A-B	42	L	130246	SR	0.45	0.42	-0.15	-0.27	-0.11	0.42	0.1
A-B	43	L	108810	SR	0.64	0.33	-0.20	-0.19	0.33	-0.12	0.2
A-B	44	L	109093	SR	0.38	0.18	-0.08	0.18	-0.11	-0.01	0.1
A-B	45	L	109094	SR	0.56	0.35	-0.15	-0.13	-0.24	0.35	0.2
A-B	46	L	109732	SR	0.47	0.33	-0.24	0.33	-0.06	-0.19	0.2
A-B	47	L	109095	SR	0.40	0.27	-0.10	0.27	-0.08	-0.20	0.2
A-B	48	L	109096	SR	0.49	0.42	-0.20	-0.19	-0.17	0.42	0.2
A-B	49	L	175704	SR	0.66	0.47	-0.24	-0.27	0.47	-0.19	0.2
A-B	50	L	175705	SR	0.30	0.30	0.30	-0.12	-0.05	-0.19	0.2
A-B	51	L	175707	SR	0.38	0.26	-0.05	-0.22	-0.16	0.26	0.2
A-B	52	L	175708	SR	0.70	0.32	-0.23	-0.24	0.32	-0.08	0.2
A-B	56	L	130142	SR	0.60	0.36	-0.20	-0.16	0.36	-0.15	0.4
A-B	57	L	130143	SR	0.60	0.36	-0.06	-0.23	0.36	-0.21	0.4
A-B	58	L	130144	SR	0.60	0.48	-0.25	-0.22	-0.22	0.48	0.4
A-B	59	L	130145	SR	0.38	0.30	-0.05	-0.23	-0.07	0.30	0.3
A-B	60	L	130146	SR	0.74	0.45	-0.20	-0.20	-0.28	0.45	0.4
A-B	61	L	130147	SR	0.58	0.49	0.49	-0.25	-0.25	-0.19	0.5
A-B	62	L	130148	SR	0.58	0.39	0.39	-0.15	-0.20	-0.22	0.5

Table 1.A8 Item Statistics, Operational Items: MD HSA English—January Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A-B	63	L	130150	SR	0.75	0.51	-0.24	-0.27	-0.28	0.51	0.5
A-B	64	L	130151	SR	0.40	0.33	0.33	-0.09	-0.21	-0.18	0.5
A-B	65	L	130152	SR	0.38	0.41	-0.19	-0.10	-0.22	0.41	0.6
A-B	66	O	264652	SR	0.50	0.38	-0.18	-0.26	0.38	-0.07	0.2
A-B	67	O	264653	SR	0.51	0.44	0.44	-0.16	-0.27	-0.17	0.2
A-B	68	O	355150	SR	0.79	0.46	-0.22	-0.26	-0.25	0.46	0.2
A-B	69	L	130173	SR	0.72	0.35	0.35	-0.24	-0.17	-0.12	0.2
A-B	70	L	130174	SR	0.52	0.48	-0.15	0.48	-0.26	-0.22	0.3
A-B	71	L	130280	SR	0.57	0.42	0.42	-0.25	-0.25	-0.13	0.3
A-B	72	L	135492	SR	0.45	0.31	0.31	-0.22	-0.08	-0.08	0.2
A-B	73	L	130175	SR	0.64	0.48	-0.18	0.48	-0.25	-0.27	0.3
A-B	74	L	130176	SR	0.71	0.46	0.46	-0.23	-0.27	-0.18	0.3
A-B	75	L	130177	SR	0.68	0.41	-0.21	-0.23	0.41	-0.19	0.3
A-B	76	L	130178	SR	0.62	0.40	0.40	-0.25	-0.17	-0.16	0.3
A-B	97	O	256979	SR	0.37	0.21	-0.15	0.01	0.21	-0.09	0.6
A-B	98	O	256980	SR	0.22	0.22	0.22	-0.12	-0.14	0.03	0.7
Mean					0.56	0.38	-0.01	-0.09	-0.04	-0.03	0.3
SD					0.14	0.08	0.27	0.23	0.26	0.25	0.2

Note: Tabled item position number is based on Form A and varies somewhat on Form B.

Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A9 Item Statistics, Operational Items: MD HSA English—January Makeup

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C	1	O	130230	SR	0.39	0.29	-0.13	0.29	-0.06	-0.20	0.1
C	2	O	130231	SR	0.80	0.34	-0.22	-0.17	-0.16	0.34	0.0
C	3	O	130233	SR	0.26	0.17	-0.11	-0.17	-0.01	0.17	0.1
C	4	O	130232	SR	0.60	0.30	0.30	-0.20	-0.22	-0.04	0.0
C	5	O	130234	SR	0.77	0.36	0.36	-0.19	-0.21	-0.16	0.1
C	6	O	256283	SR	0.62	0.32	-0.14	-0.16	-0.17	0.32	0.1
C	12	O	130109	SR	0.53	0.36	0.36	-0.13	-0.22	-0.13	0.0
C	13	O	130110	SR	0.49	0.44	0.44	-0.23	-0.27	-0.08	0.1
C	14	O	130111	SR	0.41	0.25	-0.12	-0.03	-0.20	0.25	0.1
C	24	O	251143	SR	0.61	0.46	0.46	-0.17	-0.27	-0.22	0.3
C	25	L	256416	SR	0.64	0.44	-0.21	0.44	-0.23	-0.22	0.3
C	26	L	272879	SR	0.57	0.43	0.43	-0.25	-0.13	-0.23	0.4
C	27	O	321008	SR	0.40	0.25	0.25	-0.20	-0.04	-0.14	0.4
C	28	O	320968	SR	0.66	0.30	-0.18	0.30	-0.18	-0.08	0.4

Table 1.A9 Item Statistics, Operational Items: MD HSA English—January Makeup

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C	29	O	321007	SR	0.18	0.09	0.10	0.09	-0.10	-0.12	0.6
C	30	O	321005	SR	0.58	0.40	0.40	-0.28	-0.15	-0.17	0.8
C	31	O	320970	SR	0.47	0.42	-0.17	0.42	-0.19	-0.20	0.8
C	32	O	321006	SR	0.65	0.42	-0.25	-0.24	0.42	-0.12	0.9
C	33	O	209815	SR	0.75	0.40	-0.18	-0.28	0.40	-0.17	0.2
C	34	O	209822	SR	0.72	0.27	-0.16	0.27	-0.16	-0.13	0.2
C	35	O	130050	SR	0.72	0.39	-0.17	0.39	-0.23	-0.19	0.1
C	37	L	108806	SR	0.64	0.41	-0.20	-0.17	-0.24	0.41	0.2
C	38	L	108808	SR	0.53	0.19	-0.08	0.19	-0.07	-0.13	0.2
C	39	L	108779	SR	0.71	0.43	-0.22	-0.25	0.43	-0.19	0.2
C	40	L	108809	SR	0.35	0.32	-0.23	-0.07	0.32	-0.13	0.2
C	41	L	108805	SR	0.56	0.43	0.43	-0.25	-0.20	-0.15	0.1
C	42	L	130246	SR	0.45	0.42	-0.15	-0.27	-0.11	0.42	0.1
C	43	L	108810	SR	0.64	0.33	-0.20	-0.19	0.33	-0.12	0.2
C	44	L	109093	SR	0.38	0.18	-0.08	0.18	-0.11	-0.01	0.1
C	45	L	109094	SR	0.56	0.35	-0.15	-0.13	-0.24	0.35	0.2
C	46	L	109732	SR	0.47	0.33	-0.24	0.33	-0.06	-0.19	0.2
C	47	L	109095	SR	0.40	0.27	-0.10	0.27	-0.08	-0.20	0.2
C	48	L	109096	SR	0.49	0.42	-0.20	-0.19	-0.17	0.42	0.2
C	49	L	175704	SR	0.66	0.47	-0.24	-0.27	0.47	-0.19	0.2
C	50	L	175705	SR	0.30	0.30	0.30	-0.12	-0.05	-0.19	0.2
C	51	L	175707	SR	0.38	0.26	-0.05	-0.22	-0.16	0.26	0.2
C	52	L	175708	SR	0.70	0.32	-0.23	-0.24	0.32	-0.08	0.2
C	56	L	130142	SR	0.60	0.36	-0.20	-0.16	0.36	-0.15	0.4
C	57	L	130143	SR	0.60	0.36	-0.06	-0.23	0.36	-0.21	0.4
C	58	L	130144	SR	0.60	0.48	-0.25	-0.22	-0.22	0.48	0.4
C	59	L	130145	SR	0.38	0.30	-0.05	-0.23	-0.07	0.30	0.3
C	60	L	130146	SR	0.74	0.45	-0.20	-0.20	-0.28	0.45	0.4
C	61	L	130147	SR	0.58	0.49	0.49	-0.25	-0.25	-0.19	0.5
C	62	L	130148	SR	0.58	0.39	0.39	-0.15	-0.20	-0.22	0.5
C	63	L	130150	SR	0.75	0.51	-0.24	-0.27	-0.28	0.51	0.5
C	64	L	130151	SR	0.40	0.33	0.33	-0.09	-0.21	-0.18	0.5
C	65	L	130152	SR	0.38	0.41	-0.19	-0.10	-0.22	0.41	0.6
C	66	O	285602	SR	0.78	0.34	-0.13	-0.27	0.34	-0.11	0.3
C	67	O	285604	SR	0.60	0.38	0.38	-0.22	-0.17	-0.15	0.1
C	68	O	355157	SR	0.39	0.27	0.27	-0.16	-0.12	-0.03	0.1
C	69	L	130173	SR	0.72	0.35	0.35	-0.24	-0.17	-0.12	0.2
C	70	L	130174	SR	0.52	0.48	-0.15	0.48	-0.26	-0.22	0.3
C	71	L	130280	SR	0.57	0.42	0.42	-0.25	-0.25	-0.13	0.3
C	72	L	135492	SR	0.45	0.31	0.31	-0.22	-0.08	-0.08	0.2
C	73	L	130175	SR	0.64	0.48	-0.18	0.48	-0.25	-0.27	0.3
C	74	L	130176	SR	0.71	0.46	0.46	-0.23	-0.27	-0.18	0.3
C	75	L	130177	SR	0.68	0.41	-0.21	-0.23	0.41	-0.19	0.3

Table 1.A9 Item Statistics, Operational Items: MD HSA English—January Makeup

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C	76	L	130178	SR	0.62	0.40	0.40	-0.25	-0.17	-0.16	0.3
C	97	O	214670	SR	0.41	0.27	0.00	0.27	-0.17	-0.18	0.3
C	98	O	214811	SR	0.35	0.26	0.26	0.00	-0.24	-0.17	0.3
Mean					0.55	0.36	0.03	-0.08	-0.07	-0.03	0.3
SD					0.14	0.09	0.27	0.23	0.23	0.23	0.2

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A10 Item Statistics, Operational Items: MD HSA Algebra—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	1	L	135118	SR	0.28	0.32	-0.18	-0.14	0.32	0.01	0.4
S	2	O	79103	SR	0.32	0.31	0.31	-0.09	-0.10	-0.17	0.0
S	3	O	268692	SR	0.41	0.15	-0.03	0.15	-0.08	-0.09	0.8
S	5	O	51535	SR	0.30	0.16	0.16	-0.08	-0.04	-0.06	0.1
S	6	L	67525	SPR	0.50	0.45	0.45	-0.40			4.0
S	8	L	257122	SR	0.11	0.14	0.14	-0.11	-0.09	0.10	0.5
S	9	L	282464	SR	0.21	0.22	-0.02	-0.07	-0.11	0.22	0.6
S	10	L	268770	SR	0.31	0.26	0.26	-0.12	-0.12	-0.05	0.9
S	11	O	67491	SR	0.31	0.14	-0.15	0.04	-0.10	0.14	0.4
S	12	L	263299	SR	0.40	0.15	-0.09	0.15	-0.04	-0.04	1.0
S	14	L	275468	SR	0.26	0.19	-0.05	-0.11	-0.04	0.19	0.4
S	15	O	79030	SR	0.51	0.34	-0.14	-0.18	-0.16	0.34	0.2
S	16	L	257117	SR	0.34	0.33	-0.06	0.33	-0.19	-0.12	0.4
S	18	O	211042	SR	0.33	0.10	-0.02	0.10	-0.07	-0.01	0.5
S	19	O	54789	SPR	0.31	0.32	0.32	-0.26			5.2
S	20	L	106616	SPR	0.28	0.48	0.48	-0.37			6.6
S	21	L	268675	SR	0.40	0.14	-0.09	0.14	-0.15	0.08	1.0
S	23	O	79534	SR	0.32	0.21	-0.03	0.21	-0.09	-0.12	1.2
S	24	L	282334	SR	0.69	0.31	-0.19	-0.13	0.31	-0.14	0.1
S	25	O	282382	SR	0.41	0.23	-0.10	-0.08	0.23	-0.10	0.9
S	27	L	56443	SR	0.36	0.29	-0.08	-0.16	-0.09	0.29	0.5
S	29	L	106637	SPR	0.33	0.47	0.47	-0.39			5.1
S	30	L	263642	SPR	0.39	0.49	0.49	-0.41			5.5
S	31	L	56651	SR	0.55	0.39	-0.23	-0.22	0.39	-0.08	0.3
S	33	L	54809	SR	0.67	0.39	-0.14	-0.21	0.39	-0.24	0.2
S	34	O	132818	SR	0.26	0.12	0.07	-0.08	-0.13	0.12	0.6
S	36	O	133410	SR	0.39	0.20	-0.09	0.20	-0.14	-0.01	0.5
S	37	L	133416	SR	0.23	0.22	0.22	-0.04	-0.10	-0.08	0.6

Table 1.A10 Item Statistics, Operational Items: MD HSA Algebra—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	38	L	52343	SR	0.24	0.20	-0.01	-0.15	-0.03	0.20	0.5
S	39	L	79023	SR	0.36	0.22	-0.11	0.22	-0.04	-0.12	0.4
S	41	O	50425	SPR	0.69	0.40	0.40	-0.33			5.4
S	42	L	255083	SPR	0.22	0.40	0.40	-0.26			7.9
S	44	O	50385	SR	0.30	0.20	-0.21	-0.04	0.20	0.00	0.9
S	45	O	51445	SR	0.45	0.26	0.26	-0.07	-0.16	-0.11	1.1
S	46	O	64694	SR	0.28	0.26	-0.12	-0.12	-0.04	0.26	1.0
S	47	L	215911	SR	0.72	0.34	-0.19	0.34	-0.20	-0.11	0.4
S	48	O	64695	SR	0.51	0.34	-0.12	-0.23	0.34	-0.08	0.7
S	49	O	54771	SR	0.22	0.29	-0.09	-0.09	-0.09	0.29	0.4
S	50	O	268763	SR	0.39	0.23	-0.05	0.23	-0.18	-0.03	0.7
S	52	O	43153	SR	0.33	0.27	-0.15	-0.14	0.27	0.00	0.6
S	53	L	276433	SR	0.36	0.20	0.20	-0.13	-0.15	0.02	0.7
S	54	L	64699	SR	0.24	0.20	0.20	-0.02	-0.12	-0.05	0.8
S	56	L	257121	SPR	0.35	0.42	0.42	-0.32			7.1
S	57	L	282360	SPR	0.24	0.34	0.34	-0.22			8.7
S	58	L	51367	SR	0.41	0.34	-0.13	-0.13	-0.15	0.34	0.5
S	60	L	43215	SR	0.43	0.22	-0.09	-0.11	0.22	-0.07	0.6
S	61	O	268753	SR	0.26	0.22	0.22	-0.07	-0.13	0.00	0.7
S	63	L	67485	SR	0.22	0.16	0.00	-0.10	0.16	-0.04	0.8
S	65	L	263295	SPR	0.43	0.41	0.41	-0.31			8.2
S	66	O	56743	SR	0.55	0.40	-0.19	-0.21	0.40	-0.15	0.7
S	67	L	268755	SR	0.34	0.23	-0.12	-0.05	0.23	-0.10	0.7
S	68	L	56759	SR	0.25	0.25	0.25	-0.16	-0.02	-0.09	0.5
S	69	L	51576	SR	0.22	0.17	-0.12	0.17	-0.04	0.00	0.7
Mean					0.36	0.27	0.06	-0.09	0.01	0.01	1.7
SD					0.13	0.10	0.22	0.18	0.19	0.15	2.4

Note: Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A11 Item Statistics, Operational Items: MD HSA Biology—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	1	O	133052	SR	0.53	0.30	-0.11	-0.13	-0.17	0.30	0.1
S	2	L	54995	SR	0.38	0.15	-0.08	0.15	-0.07	-0.03	0.1
S	4	L	192095	SR	0.24	0.20	0.01	-0.16	0.20	-0.08	0.1
S	5	L	133047	SR	0.16	0.14	0.14	-0.14	-0.13	0.04	0.0
S	6	O	55055	SR	0.32	0.07	0.07	-0.13	0.07	-0.06	0.2
S	7	L	68216	SR	0.50	0.32	0.32	-0.16	-0.15	-0.13	0.0
S	8	L	136102	SR	0.28	0.18	-0.12	-0.04	0.18	-0.09	0.0
S	9	L	136103	SR	0.28	0.25	0.25	-0.10	-0.11	-0.09	0.1
S	11	O	55247	SR	0.42	0.25	0.25	-0.12	-0.07	-0.13	0.1

Table 1.A11 Item Statistics, Operational Items: MD HSA Biology—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	12	L	137270	SR	0.60	0.32	-0.15	-0.15	-0.17	0.32	0.2
S	13	O	137330	SR	0.59	0.22	0.22	-0.17	-0.20	-0.01	0.4
S	14	O	297092	SR	0.30	0.18	-0.04	-0.11	0.18	-0.04	0.1
S	17	O	52600	SR	0.26	0.23	0.23	-0.10	-0.11	-0.04	0.4
S	18	O	79418	SR	0.52	0.25	0.25	-0.16	-0.08	-0.12	0.2
S	19	L	136117	SR	0.26	0.29	0.29	-0.08	-0.19	-0.02	0.5
S	20	L	136119	SR	0.38	0.31	-0.16	-0.06	-0.16	0.31	0.1
S	22	O	65119	SR	0.57	0.25	0.25	-0.17	-0.19	0.01	0.3
S	23	L	133012	SR	0.30	0.12	-0.18	0.01	0.12	0.03	0.4
S	24	L	133013	SR	0.41	0.13	-0.16	-0.08	0.13	0.06	0.3
S	25	O	57072	SR	0.27	0.22	-0.03	-0.09	-0.12	0.22	0.4
S	26	L	133420	SR	0.41	0.28	-0.12	-0.12	-0.09	0.28	0.4
S	30	L	251265	SR	0.32	0.21	0.21	-0.12	-0.13	0.00	0.5
S	31	L	251264	SR	0.27	0.04	0.12	-0.16	0.04	-0.05	0.6
S	32	O	55124	SR	0.49	0.26	-0.04	0.26	-0.15	-0.17	0.5
S	33	O	52633	SR	0.37	0.06	0.07	-0.04	0.06	-0.17	0.5
S	34	O	55048	SR	0.55	0.25	-0.14	-0.09	0.25	-0.12	0.0
S	36	L	277330	SR	0.31	0.31	-0.07	-0.07	-0.23	0.31	0.1
S	37	O	260076	SR	0.29	0.15	0.02	-0.14	0.15	-0.06	0.1
S	38	L	133447	SR	0.50	0.33	-0.17	0.33	-0.17	-0.11	0.1
S	39	L	133448	SR	0.27	0.10	-0.05	-0.04	0.10	-0.02	0.0
S	40	O	271097	SR	0.50	0.27	-0.06	-0.10	-0.20	0.27	0.0
S	41	L	271098	SR	0.31	0.09	0.07	-0.08	0.09	-0.15	0.0
S	42	O	68277	SR	0.22	0.16	-0.08	-0.12	0.02	0.16	0.1
S	44	O	282430	SR	0.34	0.14	-0.03	0.14	-0.11	-0.01	0.2
S	45	O	57183	SR	0.33	0.14	-0.17	0.04	0.14	-0.09	0.1
S	46	L	65078	SR	0.54	0.35	-0.19	-0.16	0.35	-0.13	0.3
S	47	O	279652	SR	0.45	0.24	-0.06	0.24	-0.10	-0.14	0.3
S	48	L	271091	SR	0.37	0.30	0.30	-0.10	-0.14	-0.11	0.3
S	49	L	271094	SR	0.22	0.31	-0.15	-0.15	0.01	0.31	0.3
S	50	L	52568	SR	0.35	0.17	-0.06	-0.13	0.17	-0.01	0.3
S	52	L	263117	SR	0.63	0.38	0.38	-0.20	-0.21	-0.14	0.3
S	53	L	263119	SR	0.30	0.30	0.30	-0.10	-0.13	-0.10	0.1
S	54	L	219937	SR	0.49	0.31	-0.11	-0.19	0.31	-0.12	0.2
S	55	L	219936	SR	0.33	0.25	0.25	-0.09	-0.18	-0.01	0.3
S	56	L	271099	SR	0.25	0.26	-0.10	-0.18	-0.02	0.26	0.3
S	57	L	286698	SR	0.21	0.09	-0.02	-0.09	0.09	0.03	0.2
S	58	L	286699	SR	0.21	0.23	0.23	-0.07	-0.12	-0.06	0.2
S	59	O	214549	SR	0.27	0.28	-0.07	-0.13	-0.09	0.28	0.3
S	60	O	79447	SR	0.38	0.25	-0.08	0.25	-0.10	-0.13	0.3
S	65	L	137326	SR	0.26	0.23	0.23	0.02	-0.11	-0.16	0.5
S	66	L	137328	SR	0.33	0.27	-0.04	0.27	-0.16	-0.10	0.5
S	67	O	108546	SR	0.32	0.21	-0.08	0.21	-0.10	-0.06	0.1
S	68	L	263162	SR	0.30	0.26	-0.10	0.26	-0.12	-0.06	0.1

Table 1.A11 Item Statistics, Operational Items: MD HSA Biology—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	69	L	263164	SR	0.19	0.15	-0.10	0.05	-0.12	0.15	0.1
S	70	L	52541	SR	0.56	0.32	-0.12	0.32	-0.19	-0.15	0.1
S	72	O	55013	SR	0.53	0.35	-0.15	0.35	-0.18	-0.16	0.2
S	73	O	79459	SR	0.62	0.34	-0.17	-0.16	0.34	-0.18	0.2
S	74	O	263153	SR	0.17	0.23	-0.09	-0.01	-0.10	0.23	0.2
S	75	L	271148	SR	0.31	0.26	-0.09	-0.03	-0.15	0.26	0.4
S	76	L	79496	SR	0.55	0.32	-0.15	0.32	-0.17	-0.12	0.2
S	77	O	79507	SR	0.27	0.21	0.21	-0.09	-0.02	-0.13	0.1
S	78	L	64720	SR	0.28	0.30	-0.12	-0.06	-0.15	0.30	0.2
S	79	L	279596	SR	0.37	0.05	-0.16	0.05	0.10	-0.05	0.1
S	80	L	279598	SR	0.51	0.30	0.30	-0.17	-0.13	-0.11	0.4
S	83	O	64706	SR	0.52	0.19	-0.07	-0.06	0.19	-0.12	0.4
S	84	O	67603	SR	0.55	0.28	0.28	-0.19	-0.09	-0.11	0.3
S	85	L	256515	SR	0.22	0.23	-0.02	-0.04	-0.15	0.23	0.3
S	86	L	256517	SR	0.59	0.34	-0.16	0.34	-0.17	-0.16	0.6
S	90	O	271137	SR	0.27	0.16	0.00	0.16	-0.09	-0.08	0.3
S	91	L	271135	SR	0.21	0.22	-0.09	-0.03	-0.07	0.22	0.3
S	92	L	263176	SR	0.68	0.34	0.34	-0.21	-0.18	-0.12	0.4
S	93	L	263177	SR	0.21	0.09	-0.02	0.09	-0.08	0.02	0.3
S	94	L	218467	SR	0.24	0.13	-0.01	0.13	-0.07	-0.04	0.4
S	95	L	218466	SR	0.38	0.18	-0.02	-0.06	0.18	-0.13	0.5
S	96	O	65117	SR	0.40	0.26	-0.10	0.26	-0.12	-0.08	0.5
S	99	O	271071	SR	0.33	0.14	-0.11	-0.04	0.14	-0.02	0.6
Mean					0.37	0.23	0.01	-0.02	-0.04	0.00	0.2
SD					0.13	0.08	0.16	0.16	0.15	0.15	0.2

Note: Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A12 Item Statistics, Operational Items: MD HSA English—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	1	O	96235	SR	0.39	0.25	0.25	-0.16	-0.12	-0.02	0.1
S	2	O	96234	SR	0.77	0.32	-0.16	0.32	-0.20	-0.16	0.0
S	3	O	96233	SR	0.46	0.21	-0.10	-0.06	-0.11	0.21	0.1
S	4	O	96236	SR	0.39	0.23	-0.19	-0.13	-0.06	0.23	0.2
S	5	O	96237	SR	0.39	0.28	0.28	-0.09	-0.17	-0.08	0.0
S	6	O	130061	SR	0.44	0.22	0.22	-0.13	-0.19	-0.01	0.2
S	7	O	130062	SR	0.21	0.17	-0.05	-0.07	-0.03	0.17	0.0
S	8	O	130063	SR	0.45	0.28	-0.05	-0.20	0.28	-0.20	0.2
S	9	O	130201	SR	0.39	0.28	-0.15	-0.12	0.28	-0.08	0.1

Table 1.A12 Item Statistics, Operational Items: MD HSA English—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	13	L	318476	SR	0.61	0.33	-0.12	-0.27	0.33	-0.10	0.3
S	14	L	281365	SR	0.54	0.29	-0.10	0.29	-0.17	-0.13	0.3
S	15	L	281367	SR	0.36	0.25	0.25	-0.06	-0.14	-0.09	0.4
S	16	L	281363	SR	0.36	0.27	-0.11	-0.16	-0.05	0.27	0.4
S	17	L	281364	SR	0.48	0.23	-0.15	0.23	0.00	-0.16	0.4
S	18	L	281362	SR	0.13	0.10	-0.18	-0.01	0.06	0.10	0.5
S	19	L	281366	SR	0.17	0.17	0.09	-0.11	-0.16	0.17	0.5
S	20	L	281368	SR	0.27	0.13	-0.15	-0.01	0.13	0.00	0.5
S	21	O	251153	SR	0.43	0.31	-0.14	-0.15	0.31	-0.09	0.3
S	22	O	272876	SR	0.50	0.41	0.41	-0.19	-0.22	-0.14	0.4
S	24	O	272942	SR	0.48	0.43	-0.16	-0.15	-0.24	0.43	0.5
S	27	O	264682	SR	0.34	0.21	0.21	-0.11	-0.03	-0.12	1.0
S	28	O	264677	SR	0.24	0.26	-0.12	-0.04	-0.08	0.26	0.7
S	29	O	264678	SR	0.28	0.08	-0.05	-0.15	0.08	0.09	0.9
S	30	O	264681	SR	0.45	0.32	0.32	-0.12	-0.21	-0.06	1.0
S	31	O	264683	SR	0.31	0.19	-0.14	-0.03	0.19	-0.01	1.1
S	32	O	264684	SR	0.41	0.20	0.05	0.20	-0.20	-0.12	1.2
S	33	O	130255	SR	0.69	0.34	-0.18	-0.26	0.34	-0.07	0.5
S	34	O	130239	SR	0.70	0.37	-0.14	0.37	-0.26	-0.16	0.2
S	35	O	130263	SR	0.60	0.30	-0.15	-0.13	0.30	-0.14	0.3
S	41	O	261658	SR	0.28	0.13	0.10	-0.12	0.13	-0.15	0.2
S	42	O	261659	SR	0.45	0.31	-0.20	0.31	-0.15	-0.06	0.2
S	43	O	261660	SR	0.55	0.37	0.37	-0.15	-0.20	-0.15	0.3
S	44	L	130217	SR	0.33	0.21	-0.06	0.21	-0.12	-0.02	0.4
S	45	L	130218	SR	0.25	0.13	-0.15	-0.03	0.13	0.04	0.7
S	46	L	130219	SR	0.54	0.30	-0.09	-0.19	0.30	-0.13	0.5
S	47	L	130222	SR	0.52	0.32	-0.13	-0.14	0.32	-0.15	0.5
S	48	L	130220	SR	0.40	0.34	-0.17	0.34	-0.10	-0.16	0.5
S	49	L	130221	SR	0.52	0.38	-0.23	0.38	-0.21	-0.08	0.5
S	50	L	130226	SR	0.34	0.27	-0.03	-0.17	0.27	-0.13	0.5
S	68	L	96160	SR	0.54	0.32	-0.12	-0.21	0.32	-0.09	0.4
S	69	L	96161	SR	0.77	0.35	-0.18	-0.21	0.35	-0.15	0.3
S	78	L	257138	SR	0.20	0.09	-0.01	0.09	0.05	-0.16	0.6
S	79	L	257142	SR	0.54	0.39	-0.16	-0.20	0.39	-0.15	0.4
S	80	L	257143	SR	0.29	0.26	0.26	-0.11	-0.08	-0.07	0.5
S	81	L	257139	SR	0.56	0.44	-0.16	-0.23	-0.22	0.44	0.4
S	82	L	257140	SR	0.30	0.21	-0.20	0.21	0.01	-0.18	0.5
S	83	L	257141	SR	0.24	0.18	-0.10	-0.17	0.08	0.18	0.5
S	84	L	264660	SR	0.25	0.08	0.08	0.05	-0.10	-0.03	0.5
S	85	L	264663	SR	0.62	0.42	-0.20	0.42	-0.22	-0.17	0.5
S	86	L	264665	SR	0.51	0.30	-0.20	-0.11	0.30	-0.07	0.5
S	87	L	264657	SR	0.18	0.17	-0.09	-0.13	0.08	0.17	0.7
S	88	L	264661	SR	0.21	0.05	0.05	-0.10	0.02	0.05	0.7

Table 1.A12 Item Statistics, Operational Items: MD HSA English—April Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	89	L	264658	SR	0.42	0.25	-0.12	-0.14	0.25	-0.03	0.7
S	90	L	264656	SR	0.30	0.14	0.14	-0.09	0.01	-0.03	0.7
S	91	L	264666	SR	0.36	0.22	-0.06	0.22	-0.11	-0.07	0.6
S	92	L	288873	SR	0.42	0.30	-0.19	-0.11	0.30	-0.07	0.7
S	93	L	264664	SR	0.31	0.28	-0.06	-0.16	-0.07	0.28	0.6
S	96	L	256434	SR	0.42	0.21	-0.08	-0.04	0.21	-0.12	1.0
S	97	L	256435	SR	0.24	0.07	-0.15	0.07	0.11	-0.03	0.8
S	98	L	256436	SR	0.56	0.33	-0.16	0.33	-0.17	-0.12	0.8
Mean					0.41	0.25	-0.05	-0.03	0.03	-0.02	0.5
SD					0.15	0.10	0.16	0.19	0.20	0.15	0.3

Note: Anchor Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A13 Item Statistics, Operational Items: MD HSA Algebra—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	1	L	51407	SR	0.81	0.36	-0.18	0.36	-0.20	-0.22	0.0
D-N	2	O	79138	SR	0.58	0.38	0.38	-0.25	-0.15	-0.21	0.2
D-N	4	O	54729	SR	0.71	0.37	-0.12	0.37	-0.18	-0.27	0.1
D-N	6	L	54788	SPR	0.57	0.57	0.57	-0.54			2.0
D-N	7	O	54877	SR	0.73	0.50	-0.27	-0.23	0.50	-0.27	0.1
D-N	8	L	319406	SR	0.56	0.33	0.02	-0.31	-0.19	0.33	0.1
D-N	9	L	328735	SR	0.44	0.41	-0.02	0.41	-0.23	-0.27	0.2
D-N	11	L	348337	SR	0.34	0.25	0.04	-0.23	0.25	-0.17	0.3
D-N	13	O	328747	SR	0.43	0.53	-0.13	-0.24	-0.31	0.53	0.2
D-N	14	L	338680	SR	0.49	0.40	-0.20	-0.13	0.40	-0.22	0.2
D-N	15	L	132836	SR	0.81	0.38	-0.22	-0.20	0.38	-0.20	0.2
D-N	16	L	328776	SR	0.75	0.56	-0.22	0.56	-0.38	-0.25	0.3
D-N	17	L	223233	SPR	0.76	0.29	0.29	-0.27			1.0
D-N	19	O	268756	SPR	0.64	0.64	0.64	-0.60			2.4
D-N	20	O	268717	SR	0.45	0.50	0.50	-0.23	-0.17	-0.25	0.5
D-N	21	O	275457	SR	0.58	0.53	-0.25	-0.28	-0.23	0.53	0.7
D-N	22	L	338628	SR	0.45	0.37	-0.15	-0.19	0.37	-0.16	0.7
D-N	23	L	322119	SR	0.82	0.40	-0.27	-0.20	0.40	-0.15	0.7
D-N	24	O	79090	SR	0.38	0.27	-0.15	0.27	-0.09	-0.11	0.3
D-N	25	L	348345	SR	0.27	0.35	0.35	-0.16	-0.22	-0.06	0.6
D-N	26	L	56770	SR	0.66	0.66	-0.46	-0.23	-0.28	0.66	0.1
D-N	28	L	52339	SR	0.58	0.44	0.44	-0.29	-0.24	-0.07	0.5
D-N	29	O	211057	SR	0.26	0.48	-0.05	-0.09	-0.37	0.48	0.1
D-N	31	O	255070	SPR	0.54	0.51	0.51	-0.47			2.4

Table 1.A13 Item Statistics, Operational Items: MD HSA Algebra—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	32	L	106622	SPR	0.72	0.41	0.41	-0.37			2.2
D-N	33	L	56675	SR	0.74	0.53	0.53	-0.35	-0.27	-0.20	0.2
D-N	35	O	338653	SR	0.51	0.37	-0.20	-0.20	0.37	-0.10	0.2
D-N	37	L	319417	SR	0.66	0.52	-0.40	-0.21	-0.13	0.52	0.2
D-N	39	O	338655	SR	0.66	0.40	0.40	-0.25	-0.27	-0.09	0.6
D-N	40	O	328719	SPR	0.40	0.45	0.45	-0.39			3.7
D-N	42	L	215935	SPR	0.18	0.47	0.47	-0.36			5.1
D-N	43	O	223246	SR	0.52	0.38	0.38	-0.21	-0.19	-0.23	0.6
D-N	45	L	106562	SR	0.72	0.46	-0.16	0.46	-0.25	-0.28	0.9
D-N	46	L	328716	SR	0.39	0.34	-0.01	0.34	-0.25	-0.17	1.2
D-N	47	L	54749	SR	0.91	0.33	-0.14	-0.17	-0.22	0.33	0.1
D-N	48	L	338624	SR	0.38	0.37	0.37	-0.18	-0.15	-0.14	0.4
D-N	50	L	79017	SR	0.35	0.40	-0.15	-0.25	0.40	-0.03	0.7
D-N	51	O	319471	SR	0.72	0.51	-0.32	-0.22	-0.23	0.51	0.3
D-N	53	O	255071	SPR	0.56	0.55	0.55	-0.50			3.0
D-N	54	O	322011	SR	0.48	0.54	-0.24	-0.31	0.54	-0.14	0.4
D-N	55	L	319453	SR	0.36	0.27	-0.07	0.27	-0.24	0.00	0.4
D-N	56	L	319433	SR	0.57	0.56	-0.29	-0.30	0.56	-0.18	0.2
D-N	58	L	321991	SR	0.48	0.46	-0.16	-0.25	-0.23	0.46	0.3
D-N	59	O	64685	SR	0.65	0.57	-0.15	0.57	-0.45	-0.22	0.2
D-N	61	L	67427	SR	0.68	0.47	-0.22	0.47	-0.29	-0.19	0.3
D-N	62	O	275461	SR	0.34	0.37	-0.18	0.37	-0.06	-0.18	0.5
D-N	63	L	338649	SPR	0.80	0.46	0.46	-0.42			2.0
D-N	64	O	348332	SPR	0.52	0.57	0.57	-0.51			3.5
D-N	66	L	328707	SR	0.18	0.28	-0.28	-0.21	0.13	0.28	0.4
D-N	67	O	319442	SR	0.55	0.51	-0.27	-0.30	0.51	-0.15	0.5
D-N	68	L	338625	SR	0.62	0.41	-0.22	0.41	-0.25	-0.14	0.4
D-N	69	L	64690	SR	0.74	0.33	-0.22	-0.17	0.33	-0.17	0.5
Mean					0.56	0.44	0.04	-0.12	-0.04	-0.02	0.8
SD					0.17	0.10	0.33	0.31	0.31	0.29	1.1

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A14 Item Statistics, Operational Items: MD HSA Algebra—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	1	L	51407	SR	0.81	0.36	-0.18	0.36	-0.20	-0.22	0.0
X	2	O	319407	SR	0.57	0.41	-0.29	-0.12	-0.17	0.41	0.1
X	4	O	54729	SR	0.71	0.37	-0.12	0.37	-0.18	-0.27	0.1
X	6	L	54788	SPR	0.57	0.57	0.57	-0.54			2.0
X	7	O	56614	SR	0.78	0.33	-0.24	0.33	-0.17	-0.10	0.0

Table 1.A14 Item Statistics, Operational Items: MD HSA Algebra—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	8	L	319406	SR	0.56	0.33	0.02	-0.31	-0.19	0.33	0.1
X	9	L	328735	SR	0.44	0.41	-0.02	0.41	-0.23	-0.27	0.2
X	11	L	348337	SR	0.34	0.25	0.04	-0.23	0.25	-0.17	0.3
X	13	O	257124	SR	0.47	0.57	0.57	-0.22	-0.26	-0.27	0.1
X	14	L	338680	SR	0.49	0.40	-0.20	-0.13	0.40	-0.22	0.2
X	15	L	132836	SR	0.81	0.38	-0.22	-0.20	0.38	-0.20	0.2
X	16	L	328776	SR	0.75	0.56	-0.22	0.56	-0.38	-0.25	0.3
X	17	L	223233	SPR	0.76	0.29	0.29	-0.27			1.0
X	19	O	268756	SPR	0.64	0.64	0.64	-0.60			2.4
X	20	O	268717	SR	0.45	0.50	0.50	-0.23	-0.17	-0.25	0.5
X	21	O	275457	SR	0.58	0.53	-0.25	-0.28	-0.23	0.53	0.7
X	22	L	338628	SR	0.45	0.37	-0.15	-0.19	0.37	-0.16	0.7
X	23	L	322119	SR	0.82	0.40	-0.27	-0.20	0.40	-0.15	0.7
X	24	O	79114	SR	0.72	0.32	-0.14	-0.23	0.32	-0.10	0.3
X	25	L	348345	SR	0.27	0.35	0.35	-0.16	-0.22	-0.06	0.6
X	26	L	56770	SR	0.66	0.66	-0.46	-0.23	-0.28	0.66	0.1
X	28	L	52339	SR	0.58	0.44	0.44	-0.29	-0.24	-0.07	0.5
X	29	O	106629	SR	0.32	0.39	-0.17	-0.02	0.39	-0.22	0.3
X	31	O	255070	SPR	0.54	0.51	0.51	-0.47			2.4
X	32	L	106622	SPR	0.72	0.41	0.41	-0.37			2.2
X	33	L	56675	SR	0.74	0.53	0.53	-0.35	-0.27	-0.20	0.2
X	35	O	319430	SR	0.68	0.47	0.47	-0.24	-0.25	-0.22	0.2
X	36	O	51477	SR	0.49	0.56	-0.25	-0.36	0.56	-0.14	0.4
X	37	L	319417	SR	0.66	0.52	-0.40	-0.21	-0.13	0.52	0.2
X	39	O	338655	SR	0.66	0.40	0.40	-0.25	-0.27	-0.09	0.6
X	40	O	328719	SPR	0.40	0.45	0.45	-0.39			3.7
X	42	L	215935	SPR	0.18	0.47	0.47	-0.36			5.1
X	43	O	215913	SR	0.24	0.35	0.35	-0.14	-0.15	-0.06	0.8
X	45	L	106562	SR	0.72	0.46	-0.16	0.46	-0.25	-0.28	0.9
X	46	L	328716	SR	0.39	0.34	-0.01	0.34	-0.25	-0.17	1.2
X	47	L	54749	SR	0.91	0.33	-0.14	-0.17	-0.22	0.33	0.1
X	48	L	338624	SR	0.38	0.37	0.37	-0.18	-0.15	-0.14	0.4
X	50	L	79017	SR	0.35	0.40	-0.15	-0.25	0.40	-0.03	0.7
X	51	O	319471	SR	0.72	0.51	-0.32	-0.22	-0.23	0.51	0.3
X	53	O	106550	SPR	0.19	0.59	0.59	-0.48			3.6
X	54	O	322011	SR	0.48	0.54	-0.24	-0.31	0.54	-0.14	0.4
X	55	L	319453	SR	0.36	0.27	-0.07	0.27	-0.24	0.00	0.4
X	56	L	319433	SR	0.57	0.56	-0.29	-0.30	0.56	-0.18	0.2
X	58	L	321991	SR	0.48	0.46	-0.16	-0.25	-0.23	0.46	0.3
X	59	O	54586	SR	0.41	0.46	0.46	-0.21	-0.20	-0.15	0.4
X	61	L	67427	SR	0.68	0.47	-0.22	0.47	-0.29	-0.19	0.3
X	62	O	275461	SR	0.34	0.37	-0.18	0.37	-0.06	-0.18	0.5
X	63	L	338649	SPR	0.80	0.46	0.46	-0.42			2.0

Table 1.A14 Item Statistics, Operational Items: MD HSA Algebra—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	64	O	263287	SPR	0.28	0.59	0.59	-0.49			4.1
X	66	L	328707	SR	0.18	0.28	-0.28	-0.21	0.13	0.28	0.4
X	67	O	319442	SR	0.55	0.51	-0.27	-0.30	0.51	-0.15	0.5
X	68	L	338625	SR	0.62	0.41	-0.22	0.41	-0.25	-0.14	0.4
X	69	L	64690	SR	0.74	0.33	-0.22	-0.17	0.33	-0.17	0.5
Mean					0.55	0.44	0.06	-0.14	-0.02	-0.04	0.8
SD					0.19	0.10	0.34	0.30	0.30	0.27	1.1

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A15 Item Statistics, Operational Items: MD HSA Algebra—May Makeup 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	1	L	51407	SR	0.81	0.36	-0.18	0.36	-0.20	-0.22	0.0
Y	2	O	79138	SR	0.58	0.38	0.38	-0.25	-0.15	-0.21	0.2
Y	4	O	260748	SR	0.5	0.42	-0.26	-0.17	0.42	-0.13	0.0
Y	6	L	54788	SPR	0.57	0.57	0.57	-0.54			2.0
Y	7	O	54877	SR	0.73	0.50	-0.27	-0.23	0.50	-0.27	0.1
Y	8	L	319406	SR	0.56	0.33	0.02	-0.31	-0.19	0.33	0.1
Y	9	L	328735	SR	0.44	0.41	-0.02	0.41	-0.23	-0.27	0.2
Y	11	L	348337	SR	0.34	0.25	0.04	-0.23	0.25	-0.17	0.3
Y	13	O	328747	SR	0.43	0.53	-0.13	-0.24	-0.31	0.53	0.2
Y	14	L	338680	SR	0.49	0.40	-0.20	-0.13	0.40	-0.22	0.2
Y	15	L	132836	SR	0.81	0.38	-0.22	-0.20	0.38	-0.20	0.2
Y	16	L	328776	SR	0.75	0.56	-0.22	0.56	-0.38	-0.25	0.3
Y	17	L	223233	SPR	0.76	0.29	0.29	-0.27			1.0
Y	19	O	275473	SPR	0.77	0.44	0.44	-0.43			0.8
Y	20	O	106630	SR	0.56	0.41	-0.21	-0.09	0.41	-0.30	0.4
Y	21	O	319473	SR	0.54	0.59	-0.19	-0.32	-0.29	0.59	0.6
Y	22	L	338628	SR	0.45	0.37	-0.15	-0.19	0.37	-0.16	0.7
Y	23	L	322119	SR	0.82	0.40	-0.27	-0.20	0.40	-0.15	0.7
Y	24	O	79090	SR	0.38	0.27	-0.15	0.27	-0.09	-0.11	0.3
Y	25	L	348345	SR	0.27	0.35	0.35	-0.16	-0.22	-0.06	0.6
Y	26	L	56770	SR	0.66	0.66	-0.46	-0.23	-0.28	0.66	0.1
Y	28	L	52339	SR	0.58	0.44	0.44	-0.29	-0.24	-0.07	0.5
Y	29	O	211057	SR	0.26	0.48	-0.05	-0.09	-0.37	0.48	0.1
Y	31	O	255086	SPR	0.29	0.46	0.46	-0.42			2.1
Y	32	L	106622	SPR	0.72	0.41	0.41	-0.37			2.2

Table 1.A15 Item Statistics, Operational Items: MD HSA Algebra—May Makeup 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	33	L	56675	SR	0.74	0.53	0.53	-0.35	-0.27	-0.20	0.2
Y	35	O	338653	SR	0.51	0.37	-0.20	-0.20	0.37	-0.10	0.2
Y	37	L	319417	SR	0.66	0.52	-0.40	-0.21	-0.13	0.52	0.2
Y	39	O	79116	SR	0.69	0.33	-0.11	0.33	-0.23	-0.16	0.1
Y	40	O	328749	SPR	0.55	0.46	0.46	-0.43			1.6
Y	42	L	215935	SPR	0.18	0.47	0.47	-0.36			5.1
Y	43	O	223246	SR	0.52	0.38	0.38	-0.21	-0.19	-0.23	0.6
Y	45	L	106562	SR	0.72	0.46	-0.16	0.46	-0.25	-0.28	0.9
Y	46	L	328716	SR	0.39	0.34	-0.01	0.34	-0.25	-0.17	1.2
Y	47	L	54749	SR	0.91	0.33	-0.14	-0.17	-0.22	0.33	0.1
Y	48	L	338624	SR	0.38	0.37	0.37	-0.18	-0.15	-0.14	0.4
Y	50	L	79017	SR	0.35	0.40	-0.15	-0.25	0.40	-0.03	0.7
Y	51	O	51484	SR	0.56	0.50	-0.24	-0.24	-0.22	0.50	0.1
Y	53	O	255071	SPR	0.56	0.55	0.55	-0.50			3.0
Y	54	O	51482	SR	0.64	0.53	0.53	-0.29	-0.32	-0.17	0.1
Y	55	L	319453	SR	0.36	0.27	-0.07	0.27	-0.24	0.00	0.4
Y	56	L	319433	SR	0.57	0.56	-0.29	-0.30	0.56	-0.18	0.2
Y	58	L	321991	SR	0.48	0.46	-0.16	-0.25	-0.23	0.46	0.3
Y	59	O	64685	SR	0.65	0.57	-0.15	0.57	-0.45	-0.22	0.2
Y	61	L	67427	SR	0.68	0.47	-0.22	0.47	-0.29	-0.19	0.3
Y	62	O	348347	SR	0.66	0.58	0.58	-0.26	-0.34	-0.28	0.2
Y	63	L	338649	SPR	0.80	0.46	0.46	-0.42			2.0
Y	64	O	348332	SPR	0.52	0.57	0.57	-0.51			3.5
Y	66	L	328707	SR	0.18	0.28	-0.28	-0.21	0.13	0.28	0.4
Y	67	O	56757	SR	0.31	0.43	0.20	-0.08	0.43	-0.51	0.3
Y	68	L	338625	SR	0.62	0.41	-0.22	0.41	-0.25	-0.14	0.4
Y	69	L	64690	SR	0.74	0.33	-0.22	-0.17	0.33	-0.17	0.5
Mean					0.56	0.43	0.05	-0.12	-0.04	-0.03	0.7
SD					0.18	0.10	0.32	0.30	0.31	0.30	1.0

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A16 Item Statistics, Operational Items: MD HSA Biology—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	1	L	279651	SR	0.79	0.41	-0.19	-0.26	0.41	-0.22	0.1
D-N	2	O	253642	SR	0.79	0.46	0.46	-0.32	-0.25	-0.16	0.1
D-N	5	L	331289	SR	0.75	0.58	0.58	-0.22	-0.39	-0.29	0.0
D-N	6	L	331285	SR	0.75	0.43	-0.21	0.43	-0.25	-0.22	0.0
D-N	8	O	349118	SR	0.66	0.55	-0.20	0.55	-0.28	-0.34	0.1
D-N	9	L	323310	SR	0.41	0.24	0.24	-0.22	0.06	-0.19	0.1

Table 1.A16 Item Statistics, Operational Items: MD HSA Biology—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	10	O	323312	SR	0.4	0.32	-0.10	0.32	-0.08	-0.20	0.1
D-N	11	L	52593	SR	0.68	0.31	0.31	-0.21	-0.15	-0.12	0.1
D-N	12	O	52594	SR	0.61	0.30	-0.26	-0.13	0.30	-0.05	0.1
D-N	13	O	52681	SR	0.56	0.50	-0.16	-0.33	0.50	-0.19	0.1
D-N	15	L	56959	SR	0.82	0.30	-0.14	-0.20	-0.16	0.30	0.1
D-N	16	L	271043	SR	0.6	0.41	-0.19	0.41	-0.26	-0.14	0.1
D-N	19	L	55108	SR	0.81	0.47	0.47	-0.20	-0.25	-0.30	0.1
D-N	20	L	57021	SR	0.47	0.43	-0.27	-0.13	-0.21	0.43	0.1
D-N	21	L	108581	SR	0.35	0.30	-0.03	-0.11	-0.23	0.30	0.1
D-N	22	L	271026	SR	0.24	0.31	-0.20	0.31	-0.06	-0.04	0.1
D-N	23	L	338693	SR	0.64	0.53	-0.23	-0.21	-0.33	0.53	0.2
D-N	24	L	338692	SR	0.64	0.54	0.54	-0.37	-0.24	-0.17	0.2
D-N	25	L	323326	SR	0.58	0.43	-0.14	-0.26	0.43	-0.26	0.2
D-N	26	L	323323	SR	0.66	0.55	0.55	-0.24	-0.35	-0.25	0.2
D-N	28	O	338739	SR	0.48	0.31	-0.12	-0.18	0.31	-0.17	0.2
D-N	29	O	331336	SR	0.65	0.44	0.44	-0.31	-0.27	-0.06	0.2
D-N	30	L	331334	SR	0.67	0.41	-0.24	0.41	-0.24	-0.11	0.3
D-N	31	L	192083	SR	0.74	0.38	-0.25	-0.29	-0.13	0.38	0.3
D-N	32	O	52403	SR	0.82	0.49	-0.23	-0.28	-0.27	0.49	0.4
D-N	33	O	68122	SR	0.74	0.57	-0.28	0.57	-0.31	-0.29	0.4
D-N	34	L	108649	SR	0.83	0.49	0.49	-0.28	-0.34	-0.15	0.1
D-N	35	L	108653	SR	0.93	0.40	0.40	-0.21	-0.27	-0.17	0.1
D-N	36	L	65150	SR	0.63	0.42	-0.22	-0.16	0.42	-0.24	0.1
D-N	37	O	282423	SR	0.83	0.45	-0.24	-0.31	0.45	-0.18	0.1
D-N	38	O	263105	SR	0.58	0.42	0.42	-0.22	-0.19	-0.22	0.1
D-N	39	O	323330	SR	0.41	0.31	-0.20	-0.17	0.31	-0.08	0.1
D-N	40	L	323329	SR	0.6	0.44	-0.18	0.44	-0.25	-0.23	0.1
D-N	43	O	338710	SR	0.64	0.53	-0.26	0.53	-0.25	-0.27	0.1
D-N	44	L	338709	SR	0.45	0.46	-0.32	-0.12	-0.14	0.46	0.1
D-N	46	L	68244	SR	0.42	0.24	-0.04	-0.27	-0.13	0.24	0.1
D-N	47	O	68287	SR	0.84	0.34	-0.18	0.34	-0.19	-0.19	0.1
D-N	48	O	55216	SR	0.47	0.40	-0.18	-0.19	-0.15	0.40	0.1
D-N	49	L	323300	SR	0.8	0.51	-0.34	-0.25	0.51	-0.22	0.1
D-N	50	O	323298	SR	0.58	0.40	0.40	-0.13	-0.23	-0.22	0.1
D-N	51	O	52705	SR	0.85	0.43	-0.20	-0.28	-0.22	0.43	0.1
D-N	53	O	53511	SR	0.42	0.46	-0.22	0.46	-0.24	-0.11	0.1
D-N	54	L	251270	SR	0.51	0.46	-0.22	-0.25	-0.14	0.46	0.1
D-N	55	L	251271	SR	0.65	0.56	-0.24	-0.33	0.56	-0.26	0.2
D-N	56	L	263139	SR	0.49	0.37	-0.27	0.37	-0.08	-0.28	0.1
D-N	57	O	52652	SR	0.65	0.49	-0.21	0.49	-0.27	-0.25	0.1
D-N	61	O	331318	SR	0.48	0.35	-0.10	-0.29	-0.12	0.35	0.2
D-N	62	L	331315	SR	0.53	0.46	-0.15	-0.27	0.46	-0.19	0.2
D-N	64	O	279576	SR	0.55	0.26	-0.23	0.26	0.04	-0.22	0.2
D-N	65	O	65082	SR	0.82	0.50	0.50	-0.31	-0.25	-0.25	0.1

Table 1.A16 Item Statistics, Operational Items: MD HSA Biology—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	66	O	65054	SR	0.86	0.48	-0.25	0.48	-0.31	-0.23	0.2
D-N	67	L	64740	SR	0.64	0.21	0.21	-0.15	-0.06	-0.18	0.1
D-N	68	O	65065	SR	0.72	0.39	-0.19	0.39	-0.26	-0.20	0.1
D-N	69	L	322143	SR	0.53	0.41	-0.04	-0.33	-0.21	0.41	0.1
D-N	70	L	322142	SR	0.63	0.51	-0.28	-0.24	0.51	-0.23	0.1
D-N	71	O	108555	SR	0.34	0.41	-0.14	-0.09	-0.26	0.41	0.1
D-N	72	L	338762	SR	0.53	0.37	-0.28	0.37	-0.09	-0.23	0.1
D-N	73	O	338706	SR	0.8	0.43	-0.23	-0.27	0.43	-0.18	0.2
D-N	74	L	338707	SR	0.56	0.44	0.44	-0.14	-0.31	-0.15	0.1
D-N	76	O	52645	SR	0.3	0.23	-0.19	-0.03	-0.20	0.23	0.1
D-N	80	L	108579	SR	0.94	0.33	-0.19	-0.21	0.33	-0.15	0.1
D-N	81	L	67623	SR	0.71	0.58	0.58	-0.41	-0.24	-0.25	0.1
D-N	82	O	297531	SR	0.52	0.39	-0.05	-0.36	0.39	-0.22	0.1
D-N	83	L	108562	SR	0.48	0.49	0.49	-0.34	-0.14	-0.16	0.1
D-N	84	L	55160	SR	0.83	0.44	0.44	-0.25	-0.24	-0.22	0.1
D-N	85	L	55100	SR	0.74	0.53	-0.24	0.53	-0.35	-0.24	0.1
D-N	86	L	133457	SR	0.45	0.47	-0.11	-0.29	-0.22	0.47	0.1
D-N	87	L	349090	SR	0.55	0.46	-0.16	-0.24	-0.24	0.46	0.1
D-N	90	L	332079	SR	0.73	0.54	0.54	-0.26	-0.29	-0.28	0.1
D-N	91	L	331302	SR	0.68	0.50	-0.19	0.50	-0.36	-0.19	0.2
D-N	94	O	279852	SR	0.74	0.57	-0.30	-0.37	0.57	-0.21	0.2
D-N	95	L	323338	SR	0.61	0.46	-0.30	-0.24	0.46	-0.12	0.2
D-N	96	O	338718	SR	0.91	0.34	-0.20	0.34	-0.19	-0.18	0.1
D-N	97	L	338716	SR	0.6	0.63	-0.28	-0.37	-0.28	0.63	0.1
D-N	98	L	323284	SR	0.65	0.41	-0.17	0.41	-0.22	-0.23	0.1
D-N	99	L	323286	SR	0.74	0.43	-0.22	-0.26	0.43	-0.22	0.2
Mean					0.63	0.43	-0.04	-0.06	-0.06	-0.05	0.1
SD					0.16	0.09	0.29	0.31	0.29	0.27	0.1

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A17 Item Statistics, Operational Items: MD HSA Biology—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	1	L	279651	SR	0.79	0.41	-0.19	-0.26	0.41	-0.22	0.1
X	2	O	253642	SR	0.79	0.46	0.46	-0.32	-0.25	-0.16	0.1
X	5	L	331289	SR	0.75	0.58	0.58	-0.22	-0.39	-0.29	0.0
X	6	L	331285	SR	0.75	0.43	-0.21	0.43	-0.25	-0.22	0.0
X	8	O	349118	SR	0.66	0.55	-0.20	0.55	-0.28	-0.34	0.1
X	9	L	323310	SR	0.41	0.24	0.24	-0.22	0.06	-0.19	0.1

Table 1.A17 Item Statistics, Operational Items: MD HSA Biology—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	10	O	323312	SR	0.40	0.32	-0.10	0.32	-0.08	-0.20	0.1
X	11	L	52593	SR	0.68	0.31	0.31	-0.21	-0.15	-0.12	0.1
X	12	O	52592	SR	0.51	0.26	-0.08	-0.22	0.26	-0.11	0.0
X	13	O	288370	SR	0.39	0.18	-0.01	0.02	-0.20	0.18	0.0
X	15	L	56959	SR	0.82	0.30	-0.14	-0.20	-0.16	0.30	0.1
X	16	L	271043	SR	0.60	0.41	-0.19	0.41	-0.26	-0.14	0.1
X	19	L	55108	SR	0.81	0.47	0.47	-0.20	-0.25	-0.30	0.1
X	20	L	57021	SR	0.47	0.43	-0.27	-0.13	-0.21	0.43	0.1
X	21	L	108581	SR	0.35	0.30	-0.03	-0.11	-0.23	0.30	0.1
X	22	L	271026	SR	0.24	0.31	-0.20	0.31	-0.06	-0.04	0.1
X	23	L	338693	SR	0.64	0.53	-0.23	-0.21	-0.33	0.53	0.2
X	24	L	338692	SR	0.64	0.54	0.54	-0.37	-0.24	-0.17	0.2
X	25	L	323326	SR	0.58	0.43	-0.14	-0.26	0.43	-0.26	0.2
X	26	L	323323	SR	0.66	0.55	0.55	-0.24	-0.35	-0.25	0.2
X	28	O	108552	SR	0.38	0.40	0.40	-0.26	-0.18	-0.04	0.3
X	29	O	331337	SR	0.63	0.48	-0.17	-0.35	0.48	-0.17	0.3
X	30	L	331334	SR	0.67	0.41	-0.24	0.41	-0.24	-0.11	0.3
X	31	L	192083	SR	0.74	0.38	-0.25	-0.29	-0.13	0.38	0.3
X	32	O	55066	SR	0.52	0.50	-0.15	-0.30	-0.27	0.50	0.4
X	33	O	68122	SR	0.74	0.57	-0.28	0.57	-0.31	-0.29	0.4
X	34	L	108649	SR	0.83	0.49	0.49	-0.28	-0.34	-0.15	0.1
X	35	L	108653	SR	0.93	0.40	0.40	-0.21	-0.27	-0.17	0.1
X	36	L	65150	SR	0.63	0.42	-0.22	-0.16	0.42	-0.24	0.1
X	37	O	55057	SR	0.59	0.52	0.52	-0.31	-0.32	-0.12	0.2
X	38	O	277329	SR	0.68	0.56	0.56	-0.26	-0.32	-0.26	0.2
X	39	O	323330	SR	0.41	0.31	-0.20	-0.17	0.31	-0.08	0.1
X	40	L	323329	SR	0.6	0.44	-0.18	0.44	-0.25	-0.23	0.1
X	43	O	352874	SR	0.3	0.26	-0.21	0.04	0.26	-0.23	0.1
X	44	L	338709	SR	0.45	0.46	-0.32	-0.12	-0.14	0.46	0.1
X	46	L	68244	SR	0.42	0.24	-0.04	-0.27	-0.13	0.24	0.1
X	47	O	68287	SR	0.84	0.34	-0.18	0.34	-0.19	-0.19	0.1
X	48	O	55216	SR	0.47	0.40	-0.18	-0.19	-0.15	0.40	0.1
X	49	L	323300	SR	0.8	0.51	-0.34	-0.25	0.51	-0.22	0.1
X	50	O	323299	SR	0.56	0.48	-0.21	0.48	-0.25	-0.23	0.1
X	51	O	52757	SR	0.76	0.49	0.49	-0.27	-0.26	-0.24	0.1
X	53	O	53511	SR	0.42	0.46	-0.22	0.46	-0.24	-0.11	0.1
X	54	L	251270	SR	0.51	0.46	-0.22	-0.25	-0.14	0.46	0.1
X	55	L	251271	SR	0.65	0.56	-0.24	-0.33	0.56	-0.26	0.2
X	56	L	263139	SR	0.49	0.37	-0.27	0.37	-0.08	-0.28	0.1
X	57	O	52652	SR	0.65	0.49	-0.21	0.49	-0.27	-0.25	0.1
X	61	O	331317	SR	0.49	0.38	-0.18	0.38	-0.16	-0.15	0.1
X	62	L	331315	SR	0.53	0.46	-0.15	-0.27	0.46	-0.19	0.2
X	64	O	108540	SR	0.73	0.47	-0.25	-0.29	0.47	-0.18	0.1
X	65	O	65082	SR	0.82	0.50	0.50	-0.31	-0.25	-0.25	0.1

Table 1.A17 Item Statistics, Operational Items: MD HSA Biology—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	66	O	65062	SR	0.8	0.42	-0.33	-0.19	0.42	-0.17	0.1
X	67	L	64740	SR	0.64	0.21	0.21	-0.15	-0.06	-0.18	0.1
X	68	O	65065	SR	0.72	0.39	-0.19	0.39	-0.26	-0.20	0.1
X	69	L	322143	SR	0.53	0.41	-0.04	-0.33	-0.21	0.41	0.1
X	70	L	322142	SR	0.63	0.51	-0.28	-0.24	0.51	-0.23	0.1
X	71	O	108555	SR	0.34	0.41	-0.14	-0.09	-0.26	0.41	0.1
X	72	L	338762	SR	0.53	0.37	-0.28	0.37	-0.09	-0.23	0.1
X	73	O	338706	SR	0.8	0.43	-0.23	-0.27	0.43	-0.18	0.2
X	74	L	338707	SR	0.56	0.44	0.44	-0.14	-0.31	-0.15	0.1
X	76	O	52645	SR	0.3	0.23	-0.19	-0.03	-0.20	0.23	0.1
X	80	L	108579	SR	0.94	0.33	-0.19	-0.21	0.33	-0.15	0.1
X	81	L	67623	SR	0.71	0.58	0.58	-0.41	-0.24	-0.25	0.1
X	82	O	297097	SR	0.48	0.43	-0.02	-0.32	0.43	-0.28	0.1
X	83	L	108562	SR	0.48	0.49	0.49	-0.34	-0.14	-0.16	0.1
X	84	L	55160	SR	0.83	0.44	0.44	-0.25	-0.24	-0.22	0.1
X	85	L	55100	SR	0.74	0.53	-0.24	0.53	-0.35	-0.24	0.1
X	86	L	133457	SR	0.45	0.47	-0.11	-0.29	-0.22	0.47	0.1
X	87	L	349090	SR	0.55	0.46	-0.16	-0.24	-0.24	0.46	0.1
X	90	L	332079	SR	0.73	0.54	0.54	-0.26	-0.29	-0.28	0.1
X	91	L	331302	SR	0.68	0.50	-0.19	0.50	-0.36	-0.19	0.2
X	94	O	108517	SR	0.63	0.45	-0.26	0.45	-0.24	-0.20	0.2
X	95	L	323338	SR	0.61	0.46	-0.30	-0.24	0.46	-0.12	0.2
X	96	O	338718	SR	0.91	0.34	-0.20	0.34	-0.19	-0.18	0.1
X	97	L	338716	SR	0.6	0.63	-0.28	-0.37	-0.28	0.63	0.1
X	98	L	323284	SR	0.65	0.41	-0.17	0.41	-0.22	-0.23	0.1
X	99	L	323286	SR	0.74	0.43	-0.22	-0.26	0.43	-0.22	0.2
Mean					0.62	0.43	-0.02	-0.05	-0.07	-0.06	0.1
SD					0.16	0.10	0.30	0.31	0.29	0.26	0.1

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A18 Item Statistics, Operational Items: MD HSA Biology—May Makeup 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	1	L	279651	SR	0.79	0.41	-0.19	-0.26	0.41	-0.22	0.1
Y	2	O	52734	SR	0.64	0.39	0.39	-0.22	-0.26	-0.13	0.0
Y	5	L	331289	SR	0.75	0.58	0.58	-0.22	-0.39	-0.29	0.0
Y	6	L	331285	SR	0.75	0.43	-0.21	0.43	-0.25	-0.22	0.0
Y	8	O	79494	SR	0.51	0.37	-0.21	-0.21	0.37	-0.14	0.0

Table 1.A18 Item Statistics, Operational Items: MD HSA Biology—May Makeup 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	9	L	323310	SR	0.41	0.24	0.24	-0.22	0.06	-0.19	0.1
Y	10	O	323314	SR	0.38	0.35	-0.27	-0.07	-0.18	0.35	0.0
Y	11	L	52593	SR	0.68	0.31	0.31	-0.21	-0.15	-0.12	0.1
Y	12	O	52594	SR	0.61	0.30	-0.26	-0.13	0.30	-0.05	0.1
Y	13	O	52681	SR	0.56	0.50	-0.16	-0.33	0.50	-0.19	0.1
Y	15	L	56959	SR	0.82	0.30	-0.14	-0.20	-0.16	0.30	0.1
Y	16	L	271043	SR	0.6	0.41	-0.19	0.41	-0.26	-0.14	0.1
Y	19	L	55108	SR	0.81	0.47	0.47	-0.20	-0.25	-0.30	0.1
Y	20	L	57021	SR	0.47	0.43	-0.27	-0.13	-0.21	0.43	0.1
Y	21	L	108581	SR	0.35	0.30	-0.03	-0.11	-0.23	0.30	0.1
Y	22	L	271026	SR	0.24	0.31	-0.20	0.31	-0.06	-0.04	0.1
Y	23	L	338693	SR	0.64	0.53	-0.23	-0.21	-0.33	0.53	0.2
Y	24	L	338692	SR	0.64	0.54	0.54	-0.37	-0.24	-0.17	0.2
Y	25	L	323326	SR	0.58	0.43	-0.14	-0.26	0.43	-0.26	0.2
Y	26	L	323323	SR	0.66	0.55	0.55	-0.24	-0.35	-0.25	0.2
Y	28	O	338739	SR	0.48	0.31	-0.12	-0.18	0.31	-0.17	0.2
Y	29	O	331336	SR	0.65	0.44	0.44	-0.31	-0.27	-0.06	0.2
Y	30	L	331334	SR	0.67	0.41	-0.24	0.41	-0.24	-0.11	0.3
Y	31	L	192083	SR	0.74	0.38	-0.25	-0.29	-0.13	0.38	0.3
Y	32	O	52403	SR	0.82	0.49	-0.23	-0.28	-0.27	0.49	0.4
Y	33	O	108522	SR	0.36	0.45	-0.15	0.45	-0.28	-0.13	0.3
Y	34	L	108649	SR	0.83	0.49	0.49	-0.28	-0.34	-0.15	0.1
Y	35	L	108653	SR	0.93	0.40	0.40	-0.21	-0.27	-0.17	0.1
Y	36	L	65150	SR	0.63	0.42	-0.22	-0.16	0.42	-0.24	0.1
Y	37	O	282423	SR	0.83	0.45	-0.24	-0.31	0.45	-0.18	0.1
Y	38	O	263105	SR	0.58	0.42	0.42	-0.22	-0.19	-0.22	0.1
Y	39	O	323331	SR	0.63	0.57	0.57	-0.34	-0.29	-0.20	0.0
Y	40	L	323329	SR	0.6	0.44	-0.18	0.44	-0.25	-0.23	0.1
Y	43	O	338710	SR	0.64	0.53	-0.26	0.53	-0.25	-0.27	0.1
Y	44	L	338709	SR	0.45	0.46	-0.32	-0.12	-0.14	0.46	0.1
Y	46	L	68244	SR	0.42	0.24	-0.04	-0.27	-0.13	0.24	0.1
Y	47	O	214533	SR	0.64	0.54	-0.21	-0.27	-0.32	0.54	0.0
Y	48	O	108671	SR	0.72	0.38	-0.16	0.38	-0.19	-0.24	0.0
Y	49	L	323300	SR	0.8	0.51	-0.34	-0.25	0.51	-0.22	0.1
Y	50	O	323298	SR	0.58	0.40	0.40	-0.13	-0.23	-0.22	0.1
Y	51	O	52705	SR	0.85	0.43	-0.20	-0.28	-0.22	0.43	0.1
Y	53	O	55012	SR	0.59	0.36	0.36	-0.24	-0.15	-0.25	0.0
Y	54	L	251270	SR	0.51	0.46	-0.22	-0.25	-0.14	0.46	0.1
Y	55	L	251271	SR	0.65	0.56	-0.24	-0.33	0.56	-0.26	0.2
Y	56	L	263139	SR	0.49	0.37	-0.27	0.37	-0.08	-0.28	0.1
Y	57	O	108560	SR	0.54	0.50	-0.24	0.50	-0.22	-0.23	0.1
Y	61	O	331318	SR	0.48	0.35	-0.10	-0.29	-0.12	0.35	0.2
Y	62	L	331315	SR	0.53	0.46	-0.15	-0.27	0.46	-0.19	0.2
Y	64	O	279576	SR	0.55	0.26	-0.23	0.26	0.04	-0.22	0.2

Table 1.A18 Item Statistics, Operational Items: MD HSA Biology—May Makeup 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	65	O	67622	SR	0.89	0.31	-0.19	-0.19	-0.15	0.31	0.2
Y	66	O	65054	SR	0.86	0.48	-0.25	0.48	-0.31	-0.23	0.2
Y	67	L	64740	SR	0.64	0.21	0.21	-0.15	-0.06	-0.18	0.1
Y	68	O	55119	SR	0.73	0.38	-0.21	0.38	-0.19	-0.24	0.1
Y	69	L	322143	SR	0.53	0.41	-0.04	-0.33	-0.21	0.41	0.1
Y	70	L	322142	SR	0.63	0.51	-0.28	-0.24	0.51	-0.23	0.1
Y	71	O	64724	SR	0.43	0.50	-0.15	-0.29	-0.29	0.50	0.0
Y	72	L	338762	SR	0.53	0.37	-0.28	0.37	-0.09	-0.23	0.1
Y	73	O	338703	SR	0.6	0.44	-0.22	0.44	-0.28	-0.12	0.1
Y	74	L	338707	SR	0.56	0.44	0.44	-0.14	-0.31	-0.15	0.1
Y	76	O	52654	SR	0.74	0.42	0.42	-0.33	-0.28	-0.07	0.1
Y	80	L	108579	SR	0.94	0.33	-0.19	-0.21	0.33	-0.15	0.1
Y	81	L	67623	SR	0.71	0.58	0.58	-0.41	-0.24	-0.25	0.1
Y	82	O	297531	SR	0.52	0.39	-0.05	-0.36	0.39	-0.22	0.1
Y	83	L	108562	SR	0.48	0.49	0.49	-0.34	-0.14	-0.16	0.1
Y	84	L	55160	SR	0.83	0.44	0.44	-0.25	-0.24	-0.22	0.1
Y	85	L	55100	SR	0.74	0.53	-0.24	0.53	-0.35	-0.24	0.1
Y	86	L	133457	SR	0.45	0.47	-0.11	-0.29	-0.22	0.47	0.1
Y	87	L	349090	SR	0.55	0.46	-0.16	-0.24	-0.24	0.46	0.1
Y	90	L	332079	SR	0.73	0.54	0.54	-0.26	-0.29	-0.28	0.1
Y	91	L	331302	SR	0.68	0.50	-0.19	0.50	-0.36	-0.19	0.2
Y	94	O	279852	SR	0.74	0.57	-0.30	-0.37	0.57	-0.21	0.2
Y	95	L	323338	SR	0.61	0.46	-0.30	-0.24	0.46	-0.12	0.2
Y	96	O	338717	SR	0.62	0.60	0.60	-0.22	-0.48	-0.16	0.1
Y	97	L	338716	SR	0.6	0.63	-0.28	-0.37	-0.28	0.63	0.1
Y	98	L	323284	SR	0.65	0.41	-0.17	0.41	-0.22	-0.23	0.1
Y	99	L	323286	SR	0.74	0.43	-0.22	-0.26	0.43	-0.22	0.2
Mean					0.63	0.43	-0.01	-0.09	-0.08	-0.04	0.1
SD					0.14	0.09	0.31	0.30	0.29	0.28	0.1

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A19 Item Statistics, Operational Items: MD HSA English—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	1	O	190853	SR	0.81	0.37	-0.21	-0.22	-0.18	0.37	0.0
D-N	2	O	190854	SR	0.57	0.43	0.43	-0.25	-0.23	-0.15	0.1
D-N	3	O	190855	SR	0.93	0.20	-0.11	-0.10	-0.15	0.20	0.0
D-N	4	O	190856	SR	0.87	0.27	-0.16	0.27	-0.25	-0.03	0.0
D-N	5	O	190858	SR	0.66	0.52	-0.39	-0.23	-0.16	0.52	0.1

Table 1.A19 Item Statistics, Operational Items: MD HSA English—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	6	O	190857	SR	0.76	0.41	-0.15	-0.25	0.41	-0.29	0.0
D-N	12	L	349288	SR	0.58	0.25	-0.24	0.25	0.01	-0.21	0.1
D-N	13	L	349291	SR	0.62	0.44	-0.15	0.44	-0.21	-0.29	0.2
D-N	14	L	349294	SR	0.67	0.52	-0.24	-0.29	-0.27	0.52	0.2
D-N	15	L	349289	SR	0.83	0.36	0.36	-0.13	-0.15	-0.28	0.1
D-N	16	L	349296	SR	0.69	0.38	-0.09	-0.31	0.38	-0.17	0.1
D-N	17	L	349297	SR	0.63	0.49	0.49	-0.23	-0.25	-0.24	0.1
D-N	18	O	331884	SR	0.58	0.46	-0.20	0.46	-0.23	-0.27	0.1
D-N	19	O	331885	SR	0.74	0.43	0.43	-0.19	-0.26	-0.25	0.2
D-N	20	O	331883	SR	0.74	0.49	0.49	-0.28	-0.26	-0.23	0.2
D-N	30	L	251151	SR	0.65	0.33	-0.10	0.33	-0.19	-0.19	0.9
D-N	31	L	256308	SR	0.63	0.44	0.44	-0.15	-0.27	-0.23	1.0
D-N	32	L	285546	SR	0.62	0.40	-0.18	-0.16	-0.26	0.40	1.1
D-N	33	L	108912	SR	0.72	0.35	-0.09	-0.18	-0.28	0.35	0.1
D-N	34	L	108914	SR	0.54	0.29	-0.16	-0.10	-0.12	0.29	0.2
D-N	35	L	108913	SR	0.41	0.38	-0.25	-0.12	0.38	-0.11	0.1
D-N	36	L	130216	SR	0.5	0.33	0.33	-0.22	-0.11	-0.15	0.1
D-N	38	O	251171	SR	0.71	0.51	-0.25	0.51	-0.29	-0.24	0.1
D-N	39	O	96220	SR	0.55	0.48	0.48	-0.21	-0.25	-0.20	0.1
D-N	40	O	130240	SR	0.8	0.46	-0.24	0.46	-0.26	-0.23	0.1
D-N	41	O	96031	SR	0.55	0.27	-0.17	0.27	-0.05	-0.18	0.1
D-N	42	O	96032	SR	0.71	0.47	0.47	-0.24	-0.21	-0.26	0.2
D-N	43	O	96034	SR	0.91	0.35	-0.27	0.35	-0.21	-0.09	0.1
D-N	44	O	96035	SR	0.7	0.25	0.25	-0.14	-0.21	-0.11	0.2
D-N	45	O	96036	SR	0.86	0.48	0.48	-0.31	-0.21	-0.25	0.1
D-N	46	O	96037	SR	0.64	0.48	-0.21	-0.26	0.48	-0.24	0.1
D-N	47	O	96038	SR	0.41	0.20	-0.13	-0.13	0.20	-0.05	0.1
D-N	51	L	130185	SR	0.77	0.45	-0.30	0.45	-0.26	-0.18	0.1
D-N	52	L	130186	SR	0.55	0.27	-0.15	-0.11	0.27	-0.20	0.1
D-N	53	L	130187	SR	0.44	0.28	-0.24	0.28	-0.06	-0.22	0.1
D-N	54	L	130188	SR	0.79	0.40	-0.14	0.40	-0.27	-0.25	0.1
D-N	55	L	130286	SR	0.55	0.56	-0.34	-0.18	0.56	-0.26	0.2
D-N	56	L	130189	SR	0.64	0.45	-0.26	-0.23	0.45	-0.17	0.2
D-N	57	L	130190	SR	0.7	0.48	-0.22	-0.33	0.48	-0.15	0.2
D-N	58	L	130181	SR	0.45	0.44	0.44	-0.22	-0.16	-0.18	0.2
D-N	59	L	130182	SR	0.77	0.38	-0.10	-0.22	-0.32	0.38	0.3
D-N	60	L	130183	SR	0.59	0.41	-0.32	0.41	-0.16	-0.13	0.2
D-N	61	L	96106	SR	0.56	0.23	-0.16	-0.10	0.23	-0.09	0.3
D-N	62	L	96107	SR	0.8	0.29	0.29	-0.14	-0.18	-0.15	0.3
D-N	63	L	96108	SR	0.7	0.49	-0.24	0.49	-0.23	-0.27	0.3
D-N	64	L	96109	SR	0.73	0.46	0.46	-0.25	-0.28	-0.21	0.3
D-N	65	L	96110	SR	0.89	0.46	-0.24	0.46	-0.26	-0.25	0.3
D-N	66	O	332122	SR	0.84	0.42	-0.24	0.42	-0.21	-0.25	0.1
D-N	67	O	332123	SR	0.65	0.52	-0.24	-0.32	0.52	-0.24	0.1

Table 1.A19 Item Statistics, Operational Items: MD HSA English—May Primary

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
D-N	68	O	332125	SR	0.66	0.55	-0.28	-0.35	0.55	-0.20	0.1
D-N	86	L	285470	SR	0.66	0.46	-0.18	-0.24	-0.25	0.46	0.2
D-N	87	L	285467	SR	0.44	0.38	-0.29	-0.19	-0.04	0.38	0.3
D-N	88	L	285471	SR	0.4	0.30	-0.03	0.30	-0.27	-0.14	0.3
D-N	89	L	285466	SR	0.67	0.50	-0.27	-0.23	0.50	-0.24	0.3
D-N	90	L	285473	SR	0.34	0.26	-0.27	0.26	-0.06	-0.07	0.3
D-N	91	L	285469	SR	0.58	0.45	-0.22	-0.27	-0.16	0.45	0.4
D-N	92	L	285472	SR	0.41	0.31	-0.19	-0.25	0.31	0.01	0.4
D-N	93	L	285475	SR	0.65	0.46	0.46	-0.25	-0.20	-0.22	0.3
D-N	97	O	109088	SR	0.81	0.31	0.31	-0.20	-0.23	-0.10	0.4
D-N	98	O	109087	SR	0.71	0.36	-0.21	-0.11	0.36	-0.27	0.5
Mean					0.66	0.40	-0.04	-0.03	-0.05	-0.08	0.2
SD					0.14	0.09	0.29	0.28	0.28	0.24	0.2

Note: Tabled item position number is based on Form D and varies somewhat on Forms E-N.

Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A20 Item Statistics, Operational Items: MD HSA English—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	1	O	190853	SR	0.81	0.37	-0.21	-0.22	-0.18	0.37	0.0
X	2	O	190854	SR	0.57	0.43	0.43	-0.25	-0.23	-0.15	0.1
X	3	O	190855	SR	0.93	0.20	-0.11	-0.10	-0.15	0.20	0.0
X	4	O	190856	SR	0.87	0.27	-0.16	0.27	-0.25	-0.03	0.0
X	5	O	190858	SR	0.66	0.52	-0.39	-0.23	-0.16	0.52	0.1
X	6	O	190857	SR	0.76	0.41	-0.15	-0.25	0.41	-0.29	0.0
X	12	L	349288	SR	0.58	0.25	-0.24	0.25	0.01	-0.21	0.1
X	13	L	349291	SR	0.62	0.44	-0.15	0.44	-0.21	-0.29	0.2
X	14	L	349294	SR	0.67	0.52	-0.24	-0.29	-0.27	0.52	0.2
X	15	L	349289	SR	0.83	0.36	0.36	-0.13	-0.15	-0.28	0.1
X	16	L	349296	SR	0.69	0.38	-0.09	-0.31	0.38	-0.17	0.1
X	17	L	349297	SR	0.63	0.49	0.49	-0.23	-0.25	-0.24	0.1
X	18	O	331884	SR	0.58	0.46	-0.20	0.46	-0.23	-0.27	0.1
X	19	O	331885	SR	0.74	0.43	0.43	-0.19	-0.26	-0.25	0.2
X	20	O	331883	SR	0.74	0.49	0.49	-0.28	-0.26	-0.23	0.2
X	30	L	251151	SR	0.65	0.33	-0.10	0.33	-0.19	-0.19	0.9
X	31	L	256308	SR	0.63	0.44	0.44	-0.15	-0.27	-0.23	1.0
X	32	L	285546	SR	0.62	0.40	-0.18	-0.16	-0.26	0.40	1.1
X	33	L	108912	SR	0.72	0.35	-0.09	-0.18	-0.28	0.35	0.1
X	34	L	108914	SR	0.54	0.29	-0.16	-0.10	-0.12	0.29	0.2
X	35	L	108913	SR	0.41	0.38	-0.25	-0.12	0.38	-0.11	0.1

Table 1.A20 Item Statistics, Operational Items: MD HSA English—May Makeup 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	36	L	130216	SR	0.5	0.33	0.33	-0.22	-0.11	-0.15	0.1
X	38	O	251171	SR	0.71	0.51	-0.25	0.51	-0.29	-0.24	0.1
X	39	O	96220	SR	0.55	0.48	0.48	-0.21	-0.25	-0.20	0.1
X	40	O	130240	SR	0.8	0.46	-0.24	0.46	-0.26	-0.23	0.1
X	41	O	130155	SR	0.82	0.50	-0.25	-0.33	0.50	-0.23	0.1
X	42	O	130158	SR	0.68	0.38	-0.19	-0.24	0.38	-0.15	0.2
X	43	O	130159	SR	0.76	0.44	-0.29	-0.25	0.44	-0.17	0.1
X	44	O	130259	SR	0.82	0.46	-0.28	0.46	-0.27	-0.18	0.1
X	45	O	130156	SR	0.84	0.48	-0.32	-0.24	-0.24	0.48	0.1
X	46	O	130157	SR	0.51	0.49	-0.25	-0.25	-0.24	0.49	0.2
X	47	O	130160	SR	0.76	0.46	-0.24	0.46	-0.22	-0.28	0.1
X	51	L	130185	SR	0.77	0.45	-0.30	0.45	-0.26	-0.18	0.1
X	52	L	130186	SR	0.55	0.27	-0.15	-0.11	0.27	-0.20	0.1
X	53	L	130187	SR	0.44	0.28	-0.24	0.28	-0.06	-0.22	0.1
X	54	L	130188	SR	0.79	0.40	-0.14	0.40	-0.27	-0.25	0.1
X	55	L	130286	SR	0.55	0.56	-0.34	-0.18	0.56	-0.26	0.2
X	56	L	130189	SR	0.64	0.45	-0.26	-0.23	0.45	-0.17	0.2
X	57	L	130190	SR	0.7	0.48	-0.22	-0.33	0.48	-0.15	0.2
X	58	L	130181	SR	0.45	0.44	0.44	-0.22	-0.16	-0.18	0.2
X	59	L	130182	SR	0.77	0.38	-0.10	-0.22	-0.32	0.38	0.3
X	60	L	130183	SR	0.59	0.41	-0.32	0.41	-0.16	-0.13	0.2
X	61	L	96106	SR	0.56	0.23	-0.16	-0.10	0.23	-0.09	0.3
X	62	L	96107	SR	0.8	0.29	0.29	-0.14	-0.18	-0.15	0.3
X	63	L	96108	SR	0.7	0.49	-0.24	0.49	-0.23	-0.27	0.3
X	64	L	96109	SR	0.73	0.46	0.46	-0.25	-0.28	-0.21	0.3
X	65	L	96110	SR	0.89	0.46	-0.24	0.46	-0.26	-0.25	0.3
X	66	O	285606	SR	0.65	0.40	-0.17	-0.24	-0.20	0.40	0.1
X	67	O	285605	SR	0.61	0.49	-0.24	0.49	-0.24	-0.23	0.1
X	68	O	285607	SR	0.56	0.45	0.45	-0.23	-0.22	-0.19	0.2
X	86	L	285470	SR	0.66	0.46	-0.18	-0.24	-0.25	0.46	0.2
X	87	L	285467	SR	0.44	0.38	-0.29	-0.19	-0.04	0.38	0.3
X	88	L	285471	SR	0.4	0.30	-0.03	0.30	-0.27	-0.14	0.3
X	89	L	285466	SR	0.67	0.50	-0.27	-0.23	0.50	-0.24	0.3
X	90	L	285473	SR	0.34	0.26	-0.27	0.26	-0.06	-0.07	0.3
X	91	L	285469	SR	0.58	0.45	-0.22	-0.27	-0.16	0.45	0.4
X	92	L	285472	SR	0.41	0.31	-0.19	-0.25	0.31	0.01	0.4
X	93	L	285475	SR	0.65	0.46	0.46	-0.25	-0.20	-0.22	0.3
X	97	O	109106	SR	0.75	0.56	-0.32	-0.32	0.56	-0.23	0.5
X	98	O	109107	SR	0.49	0.49	-0.25	0.49	-0.20	-0.19	0.5
Mean					0.65	0.41	-0.08	-0.02	-0.06	-0.05	0.2
SD					0.13	0.09	0.28	0.30	0.28	0.27	0.2

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A21 Item Statistics, Operational Items: MD HSA English—May Makeup 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	1	O	130295	SR	0.83	0.32	-0.17	-0.26	-0.15	0.32	0.0
Y	2	O	130299	SR	0.44	0.32	0.00	-0.31	-0.18	0.32	0.0
Y	3	O	130300	SR	0.94	0.29	-0.15	0.29	-0.17	-0.18	0.0
Y	4	O	130254	SR	0.63	0.47	-0.32	-0.17	0.47	-0.24	0.1
Y	5	O	130301	SR	0.58	0.48	-0.25	0.48	-0.24	-0.23	0.0
Y	6	O	256280	SR	0.5	0.28	0.28	-0.23	0.01	-0.14	0.0
Y	12	L	349288	SR	0.58	0.25	-0.24	0.25	0.01	-0.21	0.1
Y	13	L	349291	SR	0.62	0.44	-0.15	0.44	-0.21	-0.29	0.2
Y	14	L	349294	SR	0.67	0.52	-0.24	-0.29	-0.27	0.52	0.2
Y	15	L	349289	SR	0.83	0.36	0.36	-0.13	-0.15	-0.28	0.1
Y	16	L	349296	SR	0.69	0.38	-0.09	-0.31	0.38	-0.17	0.1
Y	17	L	349297	SR	0.63	0.49	0.49	-0.23	-0.25	-0.24	0.1
Y	18	O	96251	SR	0.51	0.31	0.31	-0.18	-0.04	-0.22	0.2
Y	19	O	96252	SR	0.92	0.33	0.33	-0.21	-0.17	-0.21	0.0
Y	20	O	96253	SR	0.73	0.50	-0.22	0.50	-0.30	-0.26	0.0
Y	30	L	251151	SR	0.65	0.33	-0.10	0.33	-0.19	-0.19	0.9
Y	31	L	256308	SR	0.63	0.44	0.44	-0.15	-0.27	-0.23	1.0
Y	32	L	285546	SR	0.62	0.40	-0.18	-0.16	-0.26	0.40	1.1
Y	33	L	108912	SR	0.72	0.35	-0.09	-0.18	-0.28	0.35	0.1
Y	34	L	108914	SR	0.54	0.29	-0.16	-0.10	-0.12	0.29	0.2
Y	35	L	108913	SR	0.41	0.38	-0.25	-0.12	0.38	-0.11	0.1
Y	36	L	130216	SR	0.5	0.33	0.33	-0.22	-0.11	-0.15	0.1
Y	38	O	96044	SR	0.81	0.44	-0.23	0.44	-0.29	-0.22	0.0
Y	39	O	349424	SR	0.8	0.49	0.49	-0.18	-0.32	-0.29	0.0
Y	40	O	209821	SR	0.58	0.32	-0.04	0.32	-0.17	-0.28	0.0
Y	41	O	96031	SR	0.55	0.27	-0.17	0.27	-0.05	-0.18	0.1
Y	42	O	96032	SR	0.71	0.47	0.47	-0.24	-0.21	-0.26	0.2
Y	43	O	96034	SR	0.91	0.35	-0.27	0.35	-0.21	-0.09	0.1
Y	44	O	96035	SR	0.7	0.25	0.25	-0.14	-0.21	-0.11	0.2
Y	45	O	96036	SR	0.86	0.48	0.48	-0.31	-0.21	-0.25	0.1
Y	46	O	96037	SR	0.64	0.48	-0.21	-0.26	0.48	-0.24	0.1
Y	47	O	96038	SR	0.41	0.20	-0.13	-0.13	0.20	-0.05	0.1
Y	51	L	130185	SR	0.77	0.45	-0.30	0.45	-0.26	-0.18	0.1
Y	52	L	130186	SR	0.55	0.27	-0.15	-0.11	0.27	-0.20	0.1
Y	53	L	130187	SR	0.44	0.28	-0.24	0.28	-0.06	-0.22	0.1
Y	54	L	130188	SR	0.79	0.40	-0.14	0.40	-0.27	-0.25	0.1
Y	55	L	130286	SR	0.55	0.56	-0.34	-0.18	0.56	-0.26	0.2
Y	56	L	130189	SR	0.64	0.45	-0.26	-0.23	0.45	-0.17	0.2
Y	57	L	130190	SR	0.7	0.48	-0.22	-0.33	0.48	-0.15	0.2
Y	58	L	130181	SR	0.45	0.44	0.44	-0.22	-0.16	-0.18	0.2
Y	59	L	130182	SR	0.77	0.38	-0.10	-0.22	-0.32	0.38	0.3
Y	60	L	130183	SR	0.59	0.41	-0.32	0.41	-0.16	-0.13	0.2
Y	61	L	96106	SR	0.56	0.23	-0.16	-0.10	0.23	-0.09	0.3
Y	62	L	96107	SR	0.8	0.29	0.29	-0.14	-0.18	-0.15	0.3

Table 1.A21 Item Statistics, Operational Items: MD HSA English—May Makeup 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	63	L	96108	SR	0.7	0.49	-0.24	0.49	-0.23	-0.27	0.3
Y	64	L	96109	SR	0.73	0.46	0.46	-0.25	-0.28	-0.21	0.3
Y	65	L	96110	SR	0.89	0.46	-0.24	0.46	-0.26	-0.25	0.3
Y	66	O	332122	SR	0.84	0.42	-0.24	0.42	-0.21	-0.25	0.1
Y	67	O	332123	SR	0.65	0.52	-0.24	-0.32	0.52	-0.24	0.1
Y	68	O	332125	SR	0.66	0.55	-0.28	-0.35	0.55	-0.20	0.1
Y	86	L	285470	SR	0.66	0.46	-0.18	-0.24	-0.25	0.46	0.2
Y	87	L	285467	SR	0.44	0.38	-0.29	-0.19	-0.04	0.38	0.3
Y	88	L	285471	SR	0.4	0.30	-0.03	0.30	-0.27	-0.14	0.3
Y	89	L	285466	SR	0.67	0.50	-0.27	-0.23	0.50	-0.24	0.3
Y	90	L	285473	SR	0.34	0.26	-0.27	0.26	-0.06	-0.07	0.3
Y	91	L	285469	SR	0.58	0.45	-0.22	-0.27	-0.16	0.45	0.4
Y	92	L	285472	SR	0.41	0.31	-0.19	-0.25	0.31	0.01	0.4
Y	93	L	285475	SR	0.65	0.46	0.46	-0.25	-0.20	-0.22	0.3
Y	97	O	109088	SR	0.81	0.31	0.31	-0.20	-0.23	-0.10	0.4
Y	98	O	109087	SR	0.71	0.36	-0.21	-0.11	0.36	-0.27	0.5
Mean					0.65	0.39	-0.04	-0.03	-0.04	-0.10	0.2
SD					0.15	0.09	0.27	0.28	0.28	0.23	0.2

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A22 Item Statistics, Operational Items: MD HSA Algebra—Summer Primary 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	1	O	56611	SR	0.51	0.33	-0.12	-0.15	-0.19	0.33	0.2
P	2	L	328773	SR	0.59	0.33	-0.20	0.33	-0.06	-0.21	0.1
P	4	O	51534	SR	0.47	0.34	-0.08	-0.24	-0.11	0.34	0.2
P	5	L	328711	SR	0.51	0.22	-0.13	0.22	-0.20	0.02	0.1
P	7	L	319427	SPR	0.47	0.45	0.45	-0.41			2.3
P	8	L	268737	SR	0.45	0.36	-0.14	0.36	-0.21	-0.10	0.1
P	9	L	319432	SR	0.22	0.28	0.28	-0.05	-0.14	-0.08	0.2
P	11	L	56734	SR	0.55	0.43	-0.29	0.43	-0.16	-0.14	0.2
P	12	O	348333	SR	0.41	0.38	-0.21	-0.11	-0.15	0.38	0.6
P	13	O	132819	SR	0.14	0.20	0.20	-0.07	-0.07	-0.01	0.2
P	15	L	52338	SR	0.65	0.40	-0.12	-0.29	0.40	-0.16	0.2
P	16	O	348352	SR	0.28	0.10	0.10	0.00	-0.09	0.01	0.6
P	17	L	338684	SR	0.39	0.17	-0.10	0.17	-0.05	-0.06	0.7
P	18	L	255072	SPR	0.46	0.45	0.45	-0.40			2.6
P	19	O	260754	SPR	0.28	0.45	0.45	-0.33			4.0
P	21	O	51452	SR	0.66	0.37	-0.19	0.37	-0.21	-0.14	1.6

Table 1.A22 Item Statistics, Operational Items: MD HSA Algebra—Summer Primary 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	22	L	275469	SR	0.17	0.19	0.10	-0.09	-0.23	0.19	1.7
P	23	O	54803	SR	0.88	0.28	-0.18	-0.17	0.28	-0.14	2.2
P	24	O	322114	SR	0.82	0.36	-0.23	-0.16	-0.23	0.36	0.0
P	26	O	106650	SR	0.21	0.19	0.19	-0.03	-0.11	-0.04	0.2
P	27	O	211025	SR	0.31	0.22	-0.12	0.22	-0.01	-0.13	0.2
P	28	L	348321	SR	0.42	0.16	-0.05	0.16	-0.12	-0.04	0.1
P	29	O	67496	SPR	0.47	0.52	0.52	-0.44			3.2
P	30	O	275481	SPR	0.38	0.43	0.43	-0.35			2.4
P	32	L	79093	SR	0.25	0.36	-0.13	-0.05	-0.19	0.36	0.4
P	33	O	79042	SR	0.52	0.35	0.35	-0.13	-0.20	-0.13	0.4
P	35	L	132839	SR	0.46	0.24	-0.14	-0.09	0.24	-0.08	0.3
P	37	L	328710	SR	0.56	0.39	0.39	-0.13	-0.21	-0.19	0.2
P	38	L	338678	SR	0.2	0.14	-0.11	-0.02	0.03	0.14	0.4
P	40	O	136691	SR	0.4	0.31	-0.06	-0.16	0.31	-0.20	0.4
P	42	L	268729	SPR	0.53	0.46	0.46	-0.41			2.4
P	43	O	67460	SPR	0.12	0.42	0.42	-0.24			6.3
P	44	L	132832	SR	0.2	0.11	0.11	0.02	-0.08	-0.03	0.7
P	45	L	106568	SR	0.37	0.33	0.33	-0.21	-0.15	-0.03	0.5
P	46	L	43195	SR	0.64	0.36	-0.22	-0.16	0.36	-0.12	0.8
P	47	L	319465	SR	0.58	0.40	-0.20	-0.22	-0.16	0.40	0.3
P	49	O	67414	SR	0.47	0.35	-0.15	-0.16	0.35	-0.14	0.2
P	50	L	79136	SR	0.23	0.01	-0.03	0.01	-0.12	0.13	0.1
P	52	O	268735	SR	0.22	0.18	-0.11	-0.18	0.05	0.18	0.4
P	53	L	319449	SR	0.64	0.33	-0.20	-0.17	0.33	-0.14	0.3
P	54	L	282319	SR	0.22	0.20	-0.09	-0.12	0.20	0.02	0.2
P	55	L	67471	SPR	0.53	0.49	0.49	-0.44			2.9
P	57	O	282376	SR	0.16	0.19	0.00	-0.07	-0.08	0.19	0.2
P	58	O	322120	SR	0.51	0.34	-0.23	-0.07	-0.18	0.34	0.2
P	59	L	319455	SR	0.32	0.17	-0.06	-0.06	0.17	-0.07	0.3
P	60	L	67478	SR	0.57	0.36	-0.22	0.36	-0.18	-0.11	0.1
P	62	O	56752	SR	0.46	0.22	0.01	-0.23	0.22	-0.06	0.2
P	64	L	132834	SPR	0.36	0.55	0.55	-0.45			4.2
P	65	L	322014	SPR	0.45	0.53	0.53	-0.44			5.3
P	66	L	51578	SR	0.38	0.22	-0.04	-0.09	-0.14	0.22	0.3
P	67	O	67438	SR	0.47	0.29	-0.11	-0.10	0.29	-0.17	0.6
P	68	L	50369	SR	0.28	0.14	-0.14	0.14	-0.10	0.10	0.4
P	69	L	54677	SR	0.66	0.38	-0.20	-0.21	0.38	-0.18	0.4
Mean					0.42	0.31	0.04	-0.10	-0.01	0.02	1.0
SD					0.17	0.12	0.26	0.22	0.21	0.19	1.4

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A23 Item Statistics, Operational Items: MD HSA Algebra—Summer Primary 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	1	O	223236	SR	0.52	0.31	-0.09	-0.15	-0.19	0.31	0.5
Q	2	L	328773	SR	0.59	0.33	-0.20	0.33	-0.06	-0.21	0.1
Q	4	O	136689	SR	0.51	0.39	0.39	-0.28	-0.16	-0.08	0.1
Q	5	L	328711	SR	0.51	0.22	-0.13	0.22	-0.20	0.02	0.1
Q	7	L	319427	SPR	0.47	0.45	0.45	-0.41			2.3
Q	8	L	268737	SR	0.45	0.36	-0.14	0.36	-0.21	-0.10	0.1
Q	9	L	319432	SR	0.22	0.28	0.28	-0.05	-0.14	-0.08	0.2
Q	11	L	56734	SR	0.55	0.43	-0.29	0.43	-0.16	-0.14	0.2
Q	12	O	51542	SR	0.4	0.35	0.35	-0.13	-0.29	-0.14	0.1
Q	13	O	268762	SR	0.26	0.29	-0.04	-0.14	0.29	-0.12	0.2
Q	15	L	52338	SR	0.65	0.40	-0.12	-0.29	0.40	-0.16	0.2
Q	16	O	54684	SR	0.31	0.42	0.42	-0.28	-0.14	0.00	0.6
Q	17	L	338684	SR	0.39	0.17	-0.10	0.17	-0.05	-0.06	0.7
Q	18	L	255072	SPR	0.46	0.45	0.45	-0.40			2.6
Q	19	O	319462	SPR	0.05	0.35	0.35	-0.20			7.9
Q	21	O	79150	SR	0.15	0.13	0.06	-0.08	-0.11	0.13	1.5
Q	22	L	275469	SR	0.17	0.19	0.10	-0.09	-0.23	0.19	1.7
Q	23	O	54869	SR	0.49	0.19	-0.13	0.19	-0.07	-0.12	2.0
Q	24	O	67536	SR	0.73	0.22	-0.17	-0.15	-0.08	0.22	0.1
Q	26	O	79532	SR	0.46	0.28	0.28	-0.10	-0.17	-0.08	0.1
Q	27	O	54755	SR	0.53	0.32	-0.23	0.32	-0.09	-0.11	0.1
Q	28	L	348321	SR	0.42	0.16	-0.05	0.16	-0.12	-0.04	0.1
Q	29	O	328755	SPR	0.34	0.48	0.48	-0.43			1.7
Q	30	O	56540	SPR	0.54	0.44	0.44	-0.41			2.8
Q	32	L	79093	SR	0.25	0.36	-0.13	-0.05	-0.19	0.36	0.4
Q	33	O	328714	SR	0.27	0.30	0.04	-0.18	0.30	-0.17	0.2
Q	35	L	132839	SR	0.46	0.24	-0.14	-0.09	0.24	-0.08	0.3
Q	37	L	328710	SR	0.56	0.39	0.39	-0.13	-0.21	-0.19	0.2
Q	38	L	338678	SR	0.2	0.14	-0.11	-0.02	0.03	0.14	0.4
Q	40	O	348322	SR	0.31	0.29	-0.06	-0.18	0.29	-0.08	0.2
Q	42	L	268729	SPR	0.53	0.46	0.46	-0.41			2.4
Q	43	O	338664	SPR	0.47	0.53	0.53	-0.47			3.2
Q	44	L	132832	SR	0.2	0.11	0.11	0.02	-0.08	-0.03	0.7
Q	45	L	106568	SR	0.37	0.33	0.33	-0.21	-0.15	-0.03	0.5
Q	46	L	43195	SR	0.64	0.36	-0.22	-0.16	0.36	-0.12	0.8
Q	47	L	319465	SR	0.58	0.40	-0.20	-0.22	-0.16	0.40	0.3
Q	49	O	67555	SR	0.15	0.29	0.29	-0.01	-0.18	-0.02	0.2
Q	50	L	79136	SR	0.23	0.01	-0.03	0.01	-0.12	0.13	0.1
Q	52	O	106652	SR	0.36	0.36	0.36	-0.13	-0.19	-0.10	0.1
Q	53	L	319449	SR	0.64	0.33	-0.20	-0.17	0.33	-0.14	0.3
Q	54	L	282319	SR	0.22	0.20	-0.09	-0.12	0.20	0.02	0.2
Q	55	L	67471	SPR	0.53	0.49	0.49	-0.44			2.9
Q	57	O	67443	SR	0.26	0.27	-0.07	0.27	-0.08	-0.12	0.2

Table 1.A23 Item Statistics, Operational Items: MD HSA Algebra—Summer Primary 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	58	O	260762	SR	0.4	0.38	-0.18	-0.15	-0.15	0.38	0.1
Q	59	L	319455	SR	0.32	0.17	-0.06	-0.06	0.17	-0.07	0.3
Q	60	L	67478	SR	0.57	0.36	-0.22	0.36	-0.18	-0.11	0.1
Q	62	O	67475	SR	0.45	0.42	0.42	-0.20	-0.22	-0.11	0.2
Q	64	L	132834	SPR	0.36	0.55	0.55	-0.45			4.2
Q	65	L	322014	SPR	0.45	0.53	0.53	-0.44			5.3
Q	66	L	51578	SR	0.38	0.22	-0.04	-0.09	-0.14	0.22	0.3
Q	67	O	56685	SR	0.72	0.35	-0.15	-0.20	-0.19	0.35	0.2
Q	68	L	50369	SR	0.28	0.14	-0.14	0.14	-0.10	0.10	0.4
Q	69	L	54677	SR	0.66	0.38	-0.20	-0.21	0.38	-0.18	0.4
Mean					0.41	0.32	0.09	-0.10	-0.04	0.00	1.0
SD					0.16	0.12	0.27	0.23	0.20	0.17	1.5

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A24 Item Statistics, Operational Items: MD HSA Biology—Summer Primary 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	1	L	133425	SR	0.64	0.36	-0.15	-0.12	-0.26	0.36	0.0
P	2	O	133432	SR	0.59	0.30	0.30	-0.06	-0.21	-0.16	0.0
P	3	L	59855	SR	0.51	0.31	-0.12	-0.22	-0.08	0.31	0.1
P	4	L	59856	SR	0.34	0.24	-0.15	0.24	-0.12	-0.02	0.0
P	6	O	323342	SR	0.48	0.32	-0.17	0.32	-0.24	-0.09	0.9
P	7	O	332076	SR	0.28	0.07	0.12	0.07	-0.09	-0.10	0.0
P	8	L	332077	SR	0.22	0.18	-0.01	-0.10	-0.06	0.18	0.3
P	9	L	282412	SR	0.28	0.21	-0.08	-0.10	0.21	-0.04	0.0
P	10	L	282410	SR	0.39	0.18	-0.07	-0.17	0.18	0.02	0.1
P	12	L	253644	SR	0.15	0.37	-0.06	-0.12	-0.11	0.37	0.0
P	15	O	223405	SR	0.37	0.27	0.08	0.27	-0.14	-0.26	1.3
P	16	L	68213	SR	0.34	0.28	-0.05	0.28	-0.17	-0.10	0.1
P	17	L	79311	SR	0.57	0.37	-0.12	0.37	-0.13	-0.25	0.3
P	18	L	79312	SR	0.31	0.25	-0.12	-0.11	-0.07	0.25	0.4
P	19	O	214551	SR	0.44	0.28	0.28	-0.07	-0.17	-0.11	0.0
P	20	O	68264	SR	0.57	0.38	-0.20	-0.17	-0.17	0.38	0.0
P	23	L	322138	SR	0.18	0.25	0.25	-0.03	-0.05	-0.14	0.7
P	24	L	322135	SR	0.49	0.31	-0.15	-0.07	-0.19	0.31	0.5
P	25	O	279554	SR	0.44	0.24	0.24	-0.10	-0.17	-0.03	0.4
P	26	O	67658	SR	0.44	0.37	-0.28	-0.22	0.37	-0.01	0.9
P	27	L	136129	SR	0.62	0.33	-0.14	0.33	-0.23	-0.09	0.5
P	28	L	136130	SR	0.22	0.15	-0.10	0.01	0.15	-0.09	0.5

Table 1.A24 Item Statistics, Operational Items: MD HSA Biology—Summer Primary 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	29	L	349089	SR	0.52	0.26	0.26	-0.11	-0.14	-0.12	0.8
P	31	L	349046	SR	0.58	0.26	-0.12	-0.18	-0.10	0.26	0.8
P	32	O	349047	SR	0.56	0.33	0.33	-0.07	-0.22	-0.19	1.8
P	33	L	79408	SR	0.63	0.33	-0.14	-0.18	0.33	-0.19	0.8
P	34	O	277326	SR	0.37	0.39	0.39	-0.20	-0.15	-0.12	0.0
P	35	L	214543	SR	0.45	0.20	-0.03	0.20	-0.14	-0.07	0.4
P	36	O	322176	SR	0.53	0.28	-0.08	0.28	-0.17	-0.12	0.4
P	41	O	67679	SR	0.29	0.36	0.36	-0.05	-0.13	-0.31	0.0
P	42	O	68138	SR	0.48	0.17	-0.12	0.00	-0.18	0.17	0.0
P	43	L	214558	SR	0.32	0.26	0.04	-0.18	0.26	-0.15	0.3
P	44	L	214559	SR	0.25	0.21	-0.14	-0.14	0.21	0.05	0.3
P	45	L	214560	SR	0.55	0.33	0.33	-0.11	-0.19	-0.15	0.3
P	46	O	55005	SR	0.32	0.35	0.35	-0.23	-0.06	-0.11	0.0
P	49	L	271112	SR	0.31	0.29	-0.05	-0.12	-0.14	0.29	0.1
P	50	O	349021	SR	0.19	0.37	0.00	-0.19	-0.20	0.37	0.0
P	51	L	349025	SR	0.53	0.36	0.36	-0.18	-0.23	-0.08	0.3
P	52	L	271051	SR	0.15	0.26	-0.17	-0.05	0.26	-0.02	0.3
P	53	L	65061	SR	0.41	0.32	0.32	-0.04	-0.21	-0.19	0.3
P	54	L	256551	SR	0.37	0.25	-0.10	0.25	-0.07	-0.13	0.3
P	55	L	256522	SR	0.21	0.17	-0.20	-0.01	0.17	0.03	0.3
P	56	L	256523	SR	0.44	0.27	-0.16	-0.08	0.27	-0.11	0.4
P	59	L	55268	SR	0.27	0.27	-0.04	-0.23	0.27	-0.03	0.1
P	60	O	55014	SR	0.11	0.26	0.26	0.03	-0.10	-0.21	0.0
P	61	L	64730	SR	0.31	0.09	-0.06	0.09	-0.02	-0.02	0.3
P	62	L	64733	SR	0.54	0.32	-0.17	0.32	-0.14	-0.14	0.4
P	63	L	256539	SR	0.14	0.10	-0.02	0.10	-0.01	-0.05	0.4
P	64	L	256538	SR	0.38	0.22	-0.08	-0.18	0.22	0.00	0.5
P	65	O	79440	SR	0.46	0.11	-0.11	0.11	-0.14	0.08	0.4
P	66	O	67860	SR	0.57	0.25	-0.17	0.25	-0.09	-0.11	0.4
P	67	O	349113	SR	0.49	0.30	-0.15	-0.14	0.30	-0.10	0.4
P	68	O	282441	SR	0.5	0.29	0.29	-0.09	-0.22	-0.11	0.0
P	69	O	338746	SR	0.55	0.32	-0.07	-0.13	-0.26	0.32	0.0
P	70	O	68300	SR	0.37	0.31	-0.13	0.31	-0.16	-0.07	0.4
P	71	L	270998	SR	0.45	0.25	-0.02	-0.22	0.25	-0.06	0.5
P	72	O	270996	SR	0.57	0.26	-0.07	0.26	-0.15	-0.18	0.4
P	76	L	241127	SR	0.41	0.17	-0.12	0.17	0.01	-0.11	0.1
P	77	O	338784	SR	0.5	0.37	0.37	-0.06	-0.31	-0.16	0.0
P	78	L	322144	SR	0.38	0.31	-0.07	-0.17	0.31	-0.12	0.5
P	79	O	322146	SR	0.47	0.28	0.28	-0.22	-0.03	-0.15	0.0
P	80	O	260070	SR	0.45	0.20	-0.11	-0.14	0.20	-0.01	0.0
P	81	L	260068	SR	0.71	0.43	-0.18	-0.21	-0.25	0.43	0.3
P	83	L	52716	SR	0.26	0.07	0.01	-0.13	0.07	0.07	0.3
P	86	L	52775	SR	0.48	0.44	-0.14	-0.25	-0.18	0.44	0.3
P	87	L	52776	SR	0.51	0.39	-0.17	-0.22	-0.12	0.39	0.3

Table 1.A24 Item Statistics, Operational Items: MD HSA Biology—Summer Primary 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	88	L	65049	SR	0.31	0.20	-0.01	-0.16	0.20	-0.06	0.5
P	89	L	349084	SR	0.45	0.35	-0.18	-0.14	-0.11	0.35	0.5
P	91	O	65137	SR	0.24	0.31	0.31	-0.02	-0.05	-0.25	0.0
P	92	L	331300	SR	0.25	0.26	-0.08	-0.12	-0.05	0.26	0.4
P	93	O	331298	SR	0.37	0.15	0.02	0.15	-0.17	-0.01	0.0
P	95	O	279585	SR	0.2	0.26	-0.09	-0.07	-0.06	0.26	0.4
P	96	O	332034	SR	0.3	0.22	0.22	-0.15	-0.02	-0.09	0.0
P	97	L	332031	SR	0.48	0.37	-0.15	-0.17	0.37	-0.17	0.3
P	98	L	279647	SR	0.39	0.41	-0.18	-0.15	-0.16	0.41	0.3
P	99	L	53469	SR	0.69	0.30	-0.15	0.30	-0.13	-0.16	0.5
Mean					0.41	0.27	0.00	-0.03	-0.04	0.01	0.3
SD					0.14	0.08	0.19	0.18	0.18	0.20	0.3

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A25 Item Statistics, Operational Items: MD HSA Biology—Summer Primary 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	1	L	133425	SR	0.64	0.36	-0.15	-0.12	-0.26	0.36	0.0
Q	2	O	322172	SR	0.55	0.42	0.42	-0.28	-0.19	-0.13	0.0
Q	3	L	59855	SR	0.51	0.31	-0.12	-0.22	-0.08	0.31	0.1
Q	4	L	59856	SR	0.34	0.24	-0.15	0.24	-0.12	-0.02	0.0
Q	6	O	263108	SR	0.55	0.24	-0.12	-0.15	0.24	-0.07	0.0
Q	7	O	332075	SR	0.3	0.10	-0.07	-0.06	0.10	0.02	0.2
Q	8	L	332077	SR	0.22	0.18	-0.01	-0.10	-0.06	0.18	0.3
Q	9	L	282412	SR	0.28	0.21	-0.08	-0.10	0.21	-0.04	0.0
Q	10	L	282410	SR	0.39	0.18	-0.07	-0.17	0.18	0.02	0.1
Q	12	L	253644	SR	0.15	0.37	-0.06	-0.12	-0.11	0.37	0.0
Q	15	O	354960	SR	0.37	0.25	0.25	-0.19	-0.02	-0.11	0.2
Q	16	L	68213	SR	0.34	0.28	-0.05	0.28	-0.17	-0.10	0.1
Q	17	L	79311	SR	0.57	0.37	-0.12	0.37	-0.13	-0.25	0.3
Q	18	L	79312	SR	0.31	0.25	-0.12	-0.11	-0.07	0.25	0.4
Q	19	O	52687	SR	0.28	0.28	-0.04	0.28	-0.15	-0.12	0.4
Q	20	O	57034	SR	0.42	0.40	-0.06	0.40	-0.19	-0.25	0.2
Q	23	L	322138	SR	0.18	0.25	0.25	-0.03	-0.05	-0.14	0.7
Q	24	L	322135	SR	0.49	0.31	-0.15	-0.07	-0.19	0.31	0.5
Q	25	O	52557	SR	0.42	0.35	-0.09	-0.17	-0.17	0.35	0.6
Q	26	O	68175	SR	0.4	0.32	0.32	-0.18	-0.10	-0.15	0.6
Q	27	L	136129	SR	0.62	0.33	-0.14	0.33	-0.23	-0.09	0.5
Q	28	L	136130	SR	0.22	0.15	-0.10	0.01	0.15	-0.09	0.5

Table 1.A25 Item Statistics, Operational Items: MD HSA Biology—Summer Primary 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	29	L	349089	SR	0.52	0.26	0.26	-0.11	-0.14	-0.12	0.8
Q	31	L	349046	SR	0.58	0.26	-0.12	-0.18	-0.10	0.26	0.8
Q	32	O	349043	SR	0.42	0.33	-0.16	0.33	-0.18	-0.09	0.6
Q	33	L	79408	SR	0.63	0.33	-0.14	-0.18	0.33	-0.19	0.8
Q	34	O	52501	SR	0.58	0.38	-0.15	-0.18	-0.22	0.38	0.2
Q	35	L	214543	SR	0.45	0.20	-0.03	0.20	-0.14	-0.07	0.4
Q	36	O	223429	SR	0.4	0.26	0.26	-0.11	-0.05	-0.18	0.2
Q	41	O	52700	SR	0.2	0.17	0.17	-0.15	0.00	0.00	0.4
Q	42	O	67662	SR	0.46	0.15	-0.05	-0.14	-0.01	0.15	0.4
Q	43	L	214558	SR	0.32	0.26	0.04	-0.18	0.26	-0.15	0.3
Q	44	L	214559	SR	0.25	0.21	-0.14	-0.14	0.21	0.05	0.3
Q	45	L	214560	SR	0.55	0.33	0.33	-0.11	-0.19	-0.15	0.3
Q	46	O	271062	SR	0.42	0.35	0.35	-0.16	-0.16	-0.10	0.4
Q	49	L	271112	SR	0.31	0.29	-0.05	-0.12	-0.14	0.29	0.1
Q	50	O	349022	SR	0.48	0.40	-0.15	0.40	-0.21	-0.16	0.2
Q	51	L	349025	SR	0.53	0.36	0.36	-0.18	-0.23	-0.08	0.3
Q	52	L	271051	SR	0.15	0.26	-0.17	-0.05	0.26	-0.02	0.3
Q	53	L	65061	SR	0.41	0.32	0.32	-0.04	-0.21	-0.19	0.3
Q	54	L	256551	SR	0.37	0.25	-0.10	0.25	-0.07	-0.13	0.3
Q	55	L	256522	SR	0.21	0.17	-0.20	-0.01	0.17	0.03	0.3
Q	56	L	256523	SR	0.44	0.27	-0.16	-0.08	0.27	-0.11	0.4
Q	59	L	55268	SR	0.27	0.27	-0.04	-0.23	0.27	-0.03	0.1
Q	60	O	52436	SR	0.65	0.41	0.41	-0.19	-0.23	-0.18	0.4
Q	61	L	64730	SR	0.31	0.09	-0.06	0.09	-0.02	-0.02	0.3
Q	62	L	64733	SR	0.54	0.32	-0.17	0.32	-0.14	-0.14	0.4
Q	63	L	256539	SR	0.14	0.10	-0.02	0.10	-0.01	-0.05	0.4
Q	64	L	256538	SR	0.38	0.22	-0.08	-0.18	0.22	0.00	0.5
Q	65	O	271042	SR	0.24	0.40	-0.10	-0.15	-0.15	0.40	0.2
Q	66	O	68192	SR	0.61	0.30	0.30	-0.14	-0.14	-0.16	0.4
Q	67	O	282439	SR	0.68	0.31	-0.20	-0.13	-0.13	0.31	0.4
Q	68	O	67632	SR	0.45	0.22	-0.12	0.22	-0.10	-0.04	0.2
Q	69	O	67683	SR	0.35	0.33	-0.12	0.33	-0.20	-0.04	0.4
Q	70	O	271155	SR	0.64	0.27	0.27	-0.10	-0.15	-0.14	0.2
Q	71	L	270998	SR	0.45	0.25	-0.02	-0.22	0.25	-0.06	0.5
Q	72	O	271147	SR	0.62	0.30	-0.13	0.30	-0.20	-0.09	0.2
Q	76	L	241127	SR	0.41	0.17	-0.12	0.17	0.01	-0.11	0.1
Q	77	O	108515	SR	0.28	0.25	-0.07	0.25	-0.09	-0.10	0.4
Q	78	L	322144	SR	0.38	0.31	-0.07	-0.17	0.31	-0.12	0.5
Q	79	O	322145	SR	0.31	0.30	-0.10	0.30	-0.06	-0.17	0.4
Q	80	O	260069	SR	0.57	0.38	-0.14	0.38	-0.18	-0.22	0.6
Q	81	L	260068	SR	0.71	0.43	-0.18	-0.21	-0.25	0.43	0.3
Q	83	L	52716	SR	0.26	0.07	0.01	-0.13	0.07	0.07	0.3
Q	86	L	52775	SR	0.48	0.44	-0.14	-0.25	-0.18	0.44	0.3
Q	87	L	52776	SR	0.51	0.39	-0.17	-0.22	-0.12	0.39	0.3

Table 1.A25 Item Statistics, Operational Items: MD HSA Biology—Summer Primary 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	88	L	65049	SR	0.31	0.20	-0.01	-0.16	0.20	-0.06	0.5
Q	89	L	349084	SR	0.45	0.35	-0.18	-0.14	-0.11	0.35	0.5
Q	91	O	67631	SR	0.21	-0.01	-0.15	0.29	-0.01	-0.21	0.8
Q	92	L	331300	SR	0.25	0.26	-0.08	-0.12	-0.05	0.26	0.4
Q	93	O	331299	SR	0.55	0.31	-0.08	-0.16	0.31	-0.18	0.8
Q	95	O	349091	SR	0.2	0.10	0.10	0.20	-0.23	-0.10	0.4
Q	96	O	332030	SR	0.36	0.27	0.27	-0.23	-0.04	-0.06	0.6
Q	97	L	332031	SR	0.48	0.37	-0.15	-0.17	0.37	-0.17	0.3
Q	98	L	279647	SR	0.39	0.41	-0.18	-0.15	-0.16	0.41	0.3
Q	99	L	53469	SR	0.69	0.30	-0.15	0.30	-0.13	-0.16	0.5
Mean					0.41	0.28	-0.02	-0.02	-0.04	0.01	0.4
SD					0.15	0.09	0.17	0.21	0.17	0.20	0.2

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A26 Item Statistics, Operational Items: MD HSA English—Summer Primary 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	1	L	273031	SR	0.65	0.24	0.24	-0.22	-0.17	-0.01	0.3
P	2	L	273034	SR	0.62	0.27	-0.20	-0.19	-0.07	0.27	0.2
P	3	L	273032	SR	0.28	0.09	-0.09	0.03	-0.02	0.09	0.2
P	4	L	273035	SR	0.33	0.23	0.23	-0.09	-0.07	-0.11	0.1
P	5	L	273036	SR	0.25	0.17	0.17	-0.09	-0.01	-0.09	0.1
P	6	L	273037	SR	0.62	0.38	-0.15	-0.24	0.38	-0.18	0.2
P	12	L	108722	SR	0.32	0.24	0.24	-0.06	-0.14	-0.07	0.2
P	13	L	108723	SR	0.57	0.35	0.35	-0.16	-0.17	-0.16	0.1
P	14	L	108724	SR	0.58	0.37	-0.10	0.37	-0.23	-0.19	0.3
P	24	O	272943	SR	0.48	0.29	-0.05	0.29	-0.18	-0.17	1.2
P	25	L	272871	SR	0.52	0.36	-0.10	0.36	-0.23	-0.15	0.7
P	26	O	285619	SR	0.66	0.36	-0.15	-0.17	0.36	-0.22	1.5
P	27	O	108901	SR	0.66	0.37	-0.21	-0.17	0.37	-0.16	1.7
P	28	O	108902	SR	0.43	0.33	-0.05	-0.19	0.33	-0.15	2.0
P	29	O	108903	SR	0.73	0.44	0.44	-0.30	-0.20	-0.18	2.2
P	30	O	108904	SR	0.61	0.43	0.43	-0.15	-0.28	-0.16	2.6
P	31	O	108905	SR	0.13	0.11	-0.13	0.09	-0.05	0.11	2.4
P	32	O	108906	SR	0.63	0.34	-0.08	-0.24	-0.16	0.34	2.6
P	33	O	349431	SR	0.73	0.37	-0.22	-0.16	0.37	-0.18	0.3
P	34	O	130987	SR	0.63	0.41	-0.15	-0.18	-0.29	0.41	0.2
P	35	O	349435	SR	0.65	0.32	-0.16	0.32	-0.09	-0.24	0.2
P	37	L	95963	SR	0.48	0.28	0.28	-0.11	-0.22	-0.04	0.1

Table 1.A26 Item Statistics, Operational Items: MD HSA English–Summer Primary 1

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	38	L	95964	SR	0.53	0.39	-0.19	-0.20	-0.14	0.39	0.1
P	39	L	95965	SR	0.51	0.36	0.36	-0.19	-0.17	-0.14	0.2
P	40	L	95966	SR	0.66	0.46	0.46	-0.24	-0.27	-0.18	0.1
P	41	L	95991	SR	0.45	0.24	-0.12	0.24	-0.10	-0.09	0.1
P	42	L	95992	SR	0.6	0.37	-0.20	-0.27	-0.13	0.37	0.3
P	43	L	95993	SR	0.64	0.25	0.25	-0.10	-0.22	-0.15	0.2
P	44	L	95994	SR	0.58	0.40	0.40	-0.20	-0.24	-0.11	0.2
P	45	L	95995	SR	0.6	0.33	-0.16	0.33	-0.12	-0.24	0.3
P	46	L	108820	SR	0.61	0.35	-0.17	0.35	-0.21	-0.12	0.4
P	47	L	109744	SR	0.56	0.37	-0.15	-0.17	-0.20	0.37	0.4
P	48	L	108822	SR	0.27	0.22	-0.17	0.06	-0.20	0.22	0.3
P	49	L	108823	SR	0.47	0.28	-0.13	-0.11	0.28	-0.12	0.2
P	50	L	108827	SR	0.65	0.32	-0.16	0.32	-0.15	-0.15	0.2
P	51	L	108824	SR	0.58	0.37	-0.21	-0.15	-0.19	0.37	0.6
P	52	L	108826	SR	0.2	0.09	0.09	0.05	-0.12	0.01	0.3
P	56	L	130955	SR	0.47	0.29	0.29	-0.10	-0.19	-0.13	0.3
P	57	L	132497	SR	0.56	0.33	-0.18	-0.11	0.33	-0.23	0.2
P	58	L	130956	SR	0.2	0.12	0.12	-0.16	-0.08	0.11	0.2
P	59	L	130971	SR	0.44	0.38	-0.14	-0.25	-0.11	0.38	0.4
P	60	L	130972	SR	0.5	0.38	-0.16	-0.22	-0.11	0.38	0.4
P	61	L	130973	SR	0.2	0.11	-0.15	0.11	0.15	-0.18	0.9
P	62	L	132496	SR	0.44	0.23	0.23	0.01	-0.21	-0.13	0.8
P	63	L	130200	SR	0.47	0.28	0.28	-0.04	-0.26	-0.15	0.8
P	64	L	130974	SR	0.64	0.47	0.47	-0.29	-0.24	-0.17	0.9
P	65	L	130975	SR	0.38	0.18	-0.05	0.18	-0.15	0.01	1.3
P	66	O	264649	SR	0.68	0.34	-0.20	0.34	-0.23	-0.05	0.3
P	67	O	264650	SR	0.78	0.36	-0.23	-0.25	-0.06	0.36	0.3
P	68	O	264651	SR	0.58	0.32	0.32	-0.15	-0.18	-0.10	0.7
P	69	O	285499	SR	0.58	0.26	-0.12	-0.16	0.26	-0.09	0.3
P	70	O	285501	SR	0.6	0.45	-0.20	-0.13	-0.31	0.45	0.3
P	71	O	285502	SR	0.58	0.34	-0.16	-0.21	0.34	-0.09	0.9
P	72	O	285506	SR	0.18	0.17	-0.06	0.09	-0.20	0.17	0.3
P	73	O	285507	SR	0.28	0.21	0.21	-0.11	-0.14	0.03	0.3
P	74	O	285508	SR	0.24	0.09	0.00	0.09	-0.16	0.05	0.3
P	75	O	285509	SR	0.2	0.04	-0.03	0.11	-0.17	0.04	0.3
P	76	O	285510	SR	0.45	0.28	0.28	-0.11	-0.13	-0.12	0.3
P	97	O	130248	SR	0.55	0.33	-0.14	0.33	-0.21	-0.09	0.7
P	98	O	130249	SR	0.26	0.20	-0.07	0.20	-0.03	-0.11	0.5
Mean					0.50	0.29	0.01	-0.04	-0.08	-0.01	0.6
SD					0.16	0.10	0.22	0.20	0.19	0.21	0.6

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses

Table 1.A27 Item Statistics, Operational Items: MD HSA English–Summer Primary 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	1	L	273031	SR	0.65	0.24	0.24	-0.22	-0.17	-0.01	0.3
Q	2	L	273034	SR	0.62	0.27	-0.20	-0.19	-0.07	0.27	0.2
Q	3	L	273032	SR	0.28	0.09	-0.09	0.03	-0.02	0.09	0.2
Q	4	L	273035	SR	0.33	0.23	0.23	-0.09	-0.07	-0.11	0.1
Q	5	L	273036	SR	0.25	0.17	0.17	-0.09	-0.01	-0.09	0.1
Q	6	L	273037	SR	0.62	0.38	-0.15	-0.24	0.38	-0.18	0.2
Q	12	L	108722	SR	0.32	0.24	0.24	-0.06	-0.14	-0.07	0.2
Q	13	L	108723	SR	0.57	0.35	0.35	-0.16	-0.17	-0.16	0.1
Q	14	L	108724	SR	0.58	0.37	-0.10	0.37	-0.23	-0.19	0.3
Q	24	O	256301	SR	0.37	0.39	0.39	-0.12	-0.18	-0.15	0.4
Q	25	L	272871	SR	0.52	0.36	-0.10	0.36	-0.23	-0.15	0.7
Q	26	O	256298	SR	0.48	0.26	-0.10	-0.16	0.26	-0.09	0.5
Q	27	O	223369	SR	0.33	0.30	0.30	-0.07	-0.15	-0.18	0.8
Q	28	O	223303	SR	0.54	0.36	-0.14	-0.22	0.36	-0.17	0.8
Q	29	O	223304	SR	0.27	0.12	-0.08	0.12	-0.10	0.06	1.0
Q	30	O	223305	SR	0.14	0.05	-0.05	-0.09	0.05	0.09	1.1
Q	31	O	223306	SR	0.13	0.21	-0.14	-0.22	0.12	0.21	1.1
Q	32	O	223307	SR	0.48	0.43	-0.29	-0.15	-0.17	0.43	1.5
Q	33	O	95665	SR	0.78	0.41	-0.17	-0.31	0.41	-0.18	0.0
Q	34	O	96104	SR	0.71	0.40	-0.24	-0.22	0.40	-0.17	0.1
Q	35	O	130256	SR	0.72	0.31	-0.23	0.31	-0.11	-0.19	0.0
Q	37	L	95963	SR	0.48	0.28	0.28	-0.11	-0.22	-0.04	0.1
Q	38	L	95964	SR	0.53	0.39	-0.19	-0.20	-0.14	0.39	0.1
Q	39	L	95965	SR	0.51	0.36	0.36	-0.19	-0.17	-0.14	0.2
Q	40	L	95966	SR	0.66	0.46	0.46	-0.24	-0.27	-0.18	0.1
Q	41	L	95991	SR	0.45	0.24	-0.12	0.24	-0.10	-0.09	0.1
Q	42	L	95992	SR	0.6	0.37	-0.20	-0.27	-0.13	0.37	0.3
Q	43	L	95993	SR	0.64	0.25	0.25	-0.10	-0.22	-0.15	0.2
Q	44	L	95994	SR	0.58	0.40	0.40	-0.20	-0.24	-0.11	0.2
Q	45	L	95995	SR	0.6	0.33	-0.16	0.33	-0.12	-0.24	0.3
Q	46	L	108820	SR	0.61	0.35	-0.17	0.35	-0.21	-0.12	0.4
Q	47	L	109744	SR	0.56	0.37	-0.15	-0.17	-0.20	0.37	0.4
Q	48	L	108822	SR	0.27	0.22	-0.17	0.06	-0.20	0.22	0.3
Q	49	L	108823	SR	0.47	0.28	-0.13	-0.11	0.28	-0.12	0.2
Q	50	L	108827	SR	0.65	0.32	-0.16	0.32	-0.15	-0.15	0.2
Q	51	L	108824	SR	0.58	0.37	-0.21	-0.15	-0.19	0.37	0.6
Q	52	L	108826	SR	0.2	0.09	0.09	0.05	-0.12	0.01	0.3
Q	56	L	130955	SR	0.47	0.29	0.29	-0.10	-0.19	-0.13	0.3
Q	57	L	132497	SR	0.56	0.33	-0.18	-0.11	0.33	-0.23	0.2
Q	58	L	130956	SR	0.2	0.12	0.12	-0.16	-0.08	0.11	0.2
Q	59	L	130971	SR	0.44	0.38	-0.14	-0.25	-0.11	0.38	0.4
Q	60	L	130972	SR	0.5	0.38	-0.16	-0.22	-0.11	0.38	0.4
Q	61	L	130973	SR	0.2	0.11	-0.15	0.11	0.15	-0.18	0.9
Q	62	L	132496	SR	0.44	0.23	0.23	0.01	-0.21	-0.13	0.8

Table 1.A27 Item Statistics, Operational Items: MD HSA English–Summer Primary 2

Form	Pos_No	Anchor Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	63	L	130200	SR	0.47	0.28	0.28	-0.04	-0.26	-0.15	0.8
Q	64	L	130974	SR	0.64	0.47	0.47	-0.29	-0.24	-0.17	0.9
Q	65	L	130975	SR	0.38	0.18	-0.05	0.18	-0.15	0.01	1.3
Q	66	O	256419	SR	0.57	0.33	-0.17	-0.18	0.33	-0.11	0.4
Q	67	O	256420	SR	0.56	0.33	-0.16	-0.18	-0.12	0.33	0.1
Q	68	O	256421	SR	0.59	0.39	-0.17	0.39	-0.18	-0.23	0.1
Q	69	O	109142	SR	0.43	0.21	0.04	0.21	-0.15	-0.20	0.4
Q	70	O	109144	SR	0.58	0.27	-0.12	-0.23	0.27	-0.06	0.3
Q	71	O	109148	SR	0.45	0.38	-0.13	0.38	-0.19	-0.16	0.3
Q	72	O	109145	SR	0.4	0.36	-0.11	-0.11	-0.24	0.36	0.1
Q	73	O	109146	SR	0.47	0.24	-0.16	-0.04	0.24	-0.14	0.5
Q	74	O	109150	SR	0.48	0.34	-0.09	-0.17	0.34	-0.22	0.3
Q	75	O	109147	SR	0.52	0.42	-0.17	-0.22	-0.18	0.42	0.3
Q	76	O	109149	SR	0.35	0.15	-0.12	-0.09	0.15	0.04	0.3
Q	97	O	256977	SR	0.58	0.27	-0.07	-0.18	0.27	-0.15	1.0
Q	98	O	256978	SR	0.39	0.26	-0.07	0.26	-0.14	-0.13	1.0
Mean					0.48	0.30	-0.01	-0.05	-0.05	-0.02	0.4
SD					0.15	0.10	0.21	0.20	0.21	0.21	0.3

Note: Anchor_Status: L=item is common across all forms in this administration, O=item is in 1 or more but not all forms in this administration; P_Val=P-Value, R_ITT=item-total correlation, P_BIS1—P_BIS4 =option-total correlation, %Omits=percent of omitted responses