

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

**Table 1.A 1** Item Statistics, Operational Items: MD HSA Algebra—October 2008 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	L	56636	SR	0.80	0.30	-0.18	-0.19	0.30	-0.11	0.1
R	L	54846	SR	0.72	0.25	-0.11	0.25	-0.19	-0.10	0.3
R	L	51542	SR	0.37	0.26	0.26	-0.09	-0.19	-0.14	0.5
R	L	51371	SR	0.48	0.16	0.16	-0.06	-0.09	-0.08	0.4
R	L	79128	CR	0.14	0.49					17.9
R	L	67515	SR	0.40	0.20	-0.12	0.20	-0.06	-0.07	1.2
R	L	79011	SR	0.33	0.15	0.15	0.01	-0.09	-0.10	1.0
R	L	56614	SR	0.70	0.27	-0.17	0.27	-0.14	-0.13	0.2
R	L	43157	SR	0.32	0.19	-0.07	-0.01	-0.11	0.19	0.5
R	L	67525	SPR	0.61	0.43	0.43	-0.36			3.1
R	L	56563	SPR	0.11	0.27	0.27	-0.10			5.8
R	L	79119	CR	0.43	0.59					6.8
R	L	51469	SR	0.46	0.45	-0.12	-0.20	-0.23	0.45	1.0
R	L	54798	SR	0.32	0.13	0.00	-0.02	0.13	-0.13	1.6
R	L	79528	CR	0.32	0.63					12.4
R	L	56566	SPR	0.15	0.33	0.33	-0.10			20.4
R	L	51516	SR	0.39	0.25	-0.22	-0.14	0.25	0.06	5.7
R	L	54802	SR	0.37	0.26	0.26	-0.04	-0.15	-0.11	6.1
R	L	51365	SR	0.56	0.31	0.31	-0.18	-0.14	-0.11	0.6
R	L	54749	SR	0.86	0.34	-0.17	-0.14	-0.22	0.34	0.4
R	L	67536	SR	0.79	0.32	-0.17	-0.19	-0.15	0.32	0.5
R	L	51501	SR	0.68	0.35	-0.21	-0.13	0.35	-0.16	0.5
R	L	51567	SPR	0.28	0.41	0.41	-0.24			9.5
R	L	67543	SR	0.38	0.23	0.00	-0.07	-0.18	0.23	0.9
R	L	106542	SR	0.44	0.33	0.33	-0.15	-0.17	-0.06	0.9
R	L	79033	SR	0.63	0.30	-0.13	-0.16	0.30	-0.12	0.8
R	L	79533	SR	0.36	0.26	-0.03	0.26	-0.15	-0.09	1.2
R	L	67422	CR	0.07	0.37					11.7
R	L	67401	SPR	0.73	0.45	0.45	-0.33			5.4
R	L	67421	SPR	0.56	0.42	0.42	-0.30			5.2
R	L	56604	CR	0.25	0.54					20.2
R	L	67408	SR	0.39	0.30	0.02	0.30	-0.14	-0.19	1.2
R	L	51438	SR	0.45	0.29	-0.12	0.29	-0.12	-0.08	1.5
R	L	67447	SR	0.53	0.24	-0.12	-0.07	0.24	-0.11	1.5
R	L	64257	CR	0.20	0.66					20.4
R	L	50394	SR	0.82	0.37	-0.15	-0.19	-0.18	0.37	1.8
R	L	67418	SR	0.36	0.26	-0.16	0.26	-0.08	0.01	1.9
R	L	54771	SR	0.20	0.22	-0.05	-0.04	-0.05	0.22	2.0
<b>Mean</b>				0.45	0.33	0.05	-0.05	-0.05	0.01	4.6
<b>SD</b>				0.21	0.13	0.23	0.19	0.18	0.19	6.1

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.A2** Item Statistics, Operational Items: MD HSA Biology—October 2008 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	O	52403	SR	0.79	0.29	-0.12	-0.17	-0.17	0.29	0.1
R	O	68216	SR	0.61	0.29	0.29	-0.18	-0.13	-0.10	0.2
R	O	68162	CR	0.28	0.54					4.9
R	O	108545	SR	0.37	0.28	-0.12	-0.17	-0.03	0.28	0.1
R	O	52734	SR	0.36	0.23	0.23	-0.16	-0.06	-0.10	0.2
R	O	53708	SR	0.46	0.32	-0.15	-0.14	-0.14	0.32	0.6
R	O	53709	SR	0.24	0.10	0.05	0.10	-0.05	-0.11	0.5
R	O	108662	CR	0.20	0.53					14.2
R	O	52592	SR	0.50	0.19	-0.04	-0.16	0.19	-0.05	0.3
R	O	52593	SR	0.50	0.25	0.25	-0.16	-0.15	-0.03	0.4
R	O	79499	SR	0.72	0.23	-0.14	-0.13	0.23	-0.09	0.3
R	O	57027	SR	0.48	0.33	0.33	-0.16	-0.17	-0.09	0.3
R	O	52600	SR	0.26	0.23	0.23	-0.13	-0.09	-0.04	0.4
R	O	79418	SR	0.56	0.30	0.30	-0.17	-0.10	-0.14	0.6
R	O	52736	CR	0.12	0.50					20.4
R	O	55253	SR	0.24	0.18	0.18	-0.02	-0.11	-0.02	0.8
R	O	108592	SR	0.69	0.42	-0.20	-0.20	-0.20	0.42	0.7
R	O	52505	SR	0.30	0.22	-0.01	0.22	-0.15	-0.09	0.8
R	O	52506	SR	0.23	0.19	-0.01	-0.10	-0.05	0.19	0.8
R	O	57029	SR	0.31	0.17	0.17	-0.12	-0.01	-0.03	1.0
R	O	52552	SR	0.34	0.29	-0.09	-0.09	-0.12	0.29	1.2
R	O	56977	CR	0.14	0.54					21.6
R	O	54998	SR	0.49	0.34	0.34	-0.18	-0.13	-0.10	1.4
R	O	54999	SR	0.30	0.19	0.19	-0.02	-0.08	-0.09	1.4
R	O	108569	SR	0.86	0.30	0.30	-0.15	-0.18	-0.11	2.0
R	O	52518	SR	0.18	0.17	0.17	-0.09	-0.05	0.03	2.1
R	O	55012	SR	0.35	0.23	0.23	-0.10	-0.03	-0.13	2.2
R	O	55007	SR	0.43	0.16	0.01	0.16	-0.17	-0.07	0.5
R	O	52408	SR	0.42	0.23	-0.15	-0.08	0.23	-0.05	0.5
R	O	79322	SR	0.22	0.08	0.08	-0.01	-0.05	0.01	0.8
R	O	79323	SR	0.28	0.21	-0.03	-0.08	-0.09	0.21	0.6
R	O	67686	CR	0.23	0.48					8.2
R	O	79316	SR	0.57	0.36	-0.12	-0.16	-0.20	0.36	0.6
R	O	79317	SR	0.58	0.37	-0.17	-0.21	0.37	-0.12	0.6
R	O	53488	SR	0.57	0.33	-0.17	-0.14	0.33	-0.11	0.6
R	O	53508	SR	0.57	0.37	0.37	-0.17	-0.17	-0.17	0.6
R	O	55078	SR	0.70	0.35	-0.11	-0.21	-0.19	0.35	0.6
R	O	67577	SR	0.25	0.12	-0.06	0.12	0.00	-0.02	1.1
R	O	64990	SR	0.76	0.31	0.31	-0.17	-0.18	-0.13	0.6
R	O	79466	SR	0.63	0.23	-0.06	0.23	-0.15	-0.10	0.7
R	O	57120	SR	0.50	0.33	-0.15	-0.14	-0.12	0.33	0.7
R	O	57121	SR	0.33	0.27	0.27	-0.13	-0.06	-0.09	0.8
R	O	57122	SR	0.40	0.23	-0.05	0.23	-0.12	-0.07	1.2

**Table 1.A2** Item Statistics, Operational Items: MD HSA Biology—October 2008 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	O	67591	CR	0.10	0.40					24.9
R	O	64728	SR	0.46	0.34	0.34	-0.13	-0.19	-0.10	0.8
R	O	57130	SR	0.59	0.45	0.45	-0.19	-0.23	-0.21	0.9
R	O	57131	SR	0.50	0.36	-0.20	0.36	-0.19	-0.07	1.0
R	O	108546	SR	0.31	0.26	-0.08	0.26	-0.11	-0.07	1.0
R	O	64717	SR	0.42	0.19	0.19	-0.12	-0.12	0.03	1.0
R	O	67639	SR	0.40	0.34	-0.12	0.34	-0.14	-0.12	1.1
R	O	67640	SR	0.47	0.20	-0.02	-0.18	0.20	-0.04	1.1
R	O	67642	SR	0.43	0.28	-0.15	-0.14	0.28	-0.04	1.0
R	O	67573	CR	0.23	0.51					10.8
R	O	65063	SR	0.32	0.24	0.24	-0.02	-0.11	-0.10	3.0
R	O	108540	SR	0.49	0.31	-0.13	-0.13	0.31	-0.11	3.0
<b>Mean</b>				0.42	0.29	0.06	-0.07	-0.05	0.00	2.7
<b>SD</b>				0.18	0.11	0.19	0.15	0.16	0.16	5.3

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.A3** Item Statistics, Operational Items: MD HSA English—October 2008 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	O	130268	CR	0.51	0.49					1.7
R	O	130081	SR	0.71	0.22	-0.10	-0.13	0.22	-0.11	0.2
R	O	130082	SR	0.17	0.18	0.18	-0.06	-0.08	-0.06	0.0
R	O	130083	SR	0.60	0.32	0.32	-0.17	-0.14	-0.16	0.0
R	O	130084	SR	0.73	0.30	-0.20	-0.16	0.30	-0.12	0.3
R	O	130085	SR	0.58	0.32	-0.17	-0.15	-0.16	0.32	0.3
R	O	96175	SR	0.77	0.32	-0.20	-0.23	-0.09	0.32	0.3
R	O	96176	SR	0.82	0.35	0.35	-0.19	-0.24	-0.16	0.1
R	O	96177	SR	0.68	0.26	-0.24	0.26	-0.20	-0.04	0.2
R	O	96178	SR	0.59	0.35	-0.19	0.35	-0.18	-0.20	0.2
R	O	96179	SR	0.53	0.32	-0.14	-0.23	-0.09	0.32	0.3
R	O	96180	SR	0.66	0.31	-0.12	-0.18	-0.20	0.31	0.3
R	O	96181	SR	0.51	0.32	-0.11	0.32	-0.22	-0.15	0.2
R	O	108850	SR	0.49	0.30	-0.20	-0.14	0.30	-0.06	0.7
R	O	108851	SR	0.54	0.29	-0.12	0.29	-0.23	-0.06	0.8
R	O	108854	SR	0.61	0.27	-0.14	-0.21	0.27	-0.04	0.9
R	O	130250	SR	0.70	0.38	-0.18	-0.20	-0.18	0.38	0.9
R	O	108855	CR	0.35	0.54					8.1
R	O	108685	CR	0.47	0.52					2.8
R	O	96027	SR	0.40	0.21	-0.15	-0.14	-0.03	0.21	0.2
R	O	96028	SR	0.52	0.32	0.32	-0.16	-0.14	-0.12	0.3
R	O	96029	SR	0.33	0.22	0.22	-0.11	-0.13	-0.01	0.2
R	O	96147	SR	0.77	0.33	0.33	-0.14	-0.18	-0.18	0.5
R	O	96148	SR	0.74	0.36	-0.18	-0.18	0.36	-0.18	0.5
R	O	96149	SR	0.53	0.35	0.35	-0.13	-0.23	-0.13	0.6
R	O	96150	SR	0.35	0.23	-0.08	-0.08	-0.09	0.23	0.6
R	O	130955	SR	0.46	0.20	0.20	-0.05	-0.13	-0.09	0.6
R	O	132497	SR	0.60	0.30	-0.16	-0.12	0.30	-0.17	0.6
R	O	130956	SR	0.19	0.08	0.08	-0.09	-0.05	0.08	0.7
R	O	130971	SR	0.57	0.40	-0.17	-0.20	-0.18	0.40	0.7
R	O	130972	SR	0.59	0.37	-0.19	-0.18	-0.13	0.37	0.7
R	O	130973	SR	0.21	0.13	-0.13	0.13	0.11	-0.17	0.8
R	O	130200	SR	0.46	0.26	0.26	-0.04	-0.21	-0.15	0.8
R	O	130974	SR	0.72	0.42	0.42	-0.24	-0.23	-0.13	0.7
R	O	130975	SR	0.37	0.21	-0.04	0.21	-0.17	0.00	0.8
R	O	130976	CR	0.39	0.53					10.1
R	O	108712	SR	0.60	0.18	0.18	-0.03	-0.19	-0.06	0.8
R	O	108713	SR	0.54	0.28	-0.09	-0.17	0.28	-0.08	0.9
R	O	108714	SR	0.38	0.20	-0.03	-0.08	0.20	-0.10	1.0
R	O	109730	SR	0.50	0.32	-0.12	-0.12	0.32	-0.17	0.8
R	O	109731	SR	0.45	0.32	-0.12	-0.10	-0.15	0.32	1.1
R	O	130289	SR	0.56	0.41	0.41	-0.20	-0.17	-0.16	0.9
R	O	130291	SR	0.39	0.23	-0.13	0.23	-0.11	0.00	1.1

**Table 1.A3** Item Statistics, Operational Items: MD HSA English—October 2008 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	O	96387	SR	0.46	0.26	-0.16	-0.06	0.26	-0.10	1.8
R	O	130265	SR	0.30	0.18	-0.07	0.01	0.18	-0.11	1.8
R	O	108811	SR	0.56	0.24	-0.07	-0.13	0.24	-0.10	2.8
R	O	108812	SR	0.29	0.17	-0.06	-0.05	0.17	-0.04	2.9
R	O	108813	SR	0.26	0.18	-0.09	0.18	-0.06	0.01	3.1
R	O	108817	SR	0.46	0.29	-0.16	0.29	-0.10	-0.10	3.2
R	O	108818	SR	0.41	0.30	-0.15	-0.07	-0.14	0.30	3.3
<b>Mean</b>				0.51	0.30	-0.02	-0.06	-0.03	0.00	1.3
<b>SD</b>				0.16	0.10	0.20	0.17	0.20	0.19	1.8

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 Government—October 2008 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	O	68093	SR	0.92	0.22	-0.09	0.22	-0.18	-0.09	0.0
R	O	55545	SR	0.44	0.35	-0.20	-0.15	-0.17	0.35	0.2
R	O	58100	SR	0.49	0.22	-0.07	-0.10	0.22	-0.13	0.3
R	O	51766	SR	0.36	0.19	-0.03	-0.11	0.19	-0.08	0.3
R	O	50993	SR	0.56	0.25	0.25	-0.11	-0.19	-0.06	0.4
R	O	68735	CR	0.28	0.48					6.4
R	O	59843	SR	0.26	0.18	0.00	-0.15	0.18	-0.04	0.3
R	O	51210	SR	0.83	0.32	0.32	-0.17	-0.20	-0.13	0.2
R	O	51206	SR	0.47	0.33	0.33	-0.21	-0.13	-0.08	0.4
R	O	60432	CR	0.26	0.55					6.1
R	O	58142	SR	0.48	0.24	-0.11	0.24	-0.14	-0.04	0.5
R	O	79721	SR	0.24	0.06	0.10	-0.12	0.06	-0.05	0.7
R	O	68668	SR	0.18	0.12	0.12	-0.04	-0.11	0.07	0.7
R	O	55704	SR	0.49	0.31	-0.18	0.31	-0.14	-0.12	0.6
R	O	68617	SR	0.52	0.34	-0.13	-0.17	0.34	-0.17	0.7
R	O	55550	CR	0.22	0.64					10.7
R	O	108460	SR	0.62	0.23	-0.04	-0.22	0.23	-0.04	0.5
R	O	79605	SR	0.63	0.29	0.29	-0.14	-0.19	-0.11	0.6
R	O	55503	SR	0.23	0.18	-0.01	-0.10	0.18	-0.04	0.8
R	O	51145	SR	0.17	0.09	0.09	-0.06	-0.19	0.15	0.9
R	O	68558	SR	0.29	0.34	-0.13	-0.08	-0.15	0.34	0.7
R	O	51063	SR	0.54	0.40	0.40	-0.15	-0.21	-0.18	1.0
R	O	51230	CR	0.13	0.57					24.7
R	O	55471	SR	0.25	0.20	0.20	-0.03	-0.15	0.03	2.2
R	O	68630	SR	0.88	0.29	-0.13	-0.15	-0.13	0.29	2.0
R	O	68631	SR	0.38	0.30	0.30	-0.16	-0.13	-0.05	2.1
R	O	51150	SR	0.57	0.42	-0.17	-0.18	-0.19	0.42	2.5
R	O	58113	SR	0.20	0.36	-0.12	-0.09	-0.09	0.36	2.5
R	O	68648	SR	0.62	0.37	-0.10	-0.20	-0.24	0.37	0.6
R	O	53648	SR	0.32	0.28	0.28	-0.12	-0.11	-0.06	0.9
R	O	51735	SR	0.43	0.33	-0.07	0.33	-0.19	-0.16	0.7
R	O	55715	SR	0.67	0.44	-0.21	-0.22	-0.23	0.44	0.6
R	O	55576	CR	0.23	0.55					11.0
R	O	108467	SR	0.39	0.18	0.18	-0.09	-0.04	-0.10	0.8
R	O	51020	SR	0.45	0.30	-0.09	-0.16	0.30	-0.15	0.9
R	O	68516	SR	0.75	0.41	-0.16	0.41	-0.23	-0.21	0.9
R	O	51181	SR	0.34	0.29	-0.07	-0.18	0.29	-0.13	1.0
R	O	64968	SR	0.39	0.21	0.21	-0.12	-0.02	-0.08	1.3
R	O	68655	SR	0.50	0.26	-0.14	0.26	-0.03	-0.18	1.1
R	O	68519	CR	0.07	0.52					14.6
R	O	51809	SR	0.75	0.35	-0.16	-0.21	0.35	-0.12	0.7
R	O	68597	SR	0.46	0.25	0.25	-0.13	-0.10	-0.06	0.8
R	O	60457	SR	0.35	0.19	-0.04	-0.06	0.19	-0.08	0.9

**Table 1.A4** Item Statistics, Operational Items: MD HSA Government—October 2008 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
R	O	65198	SR	0.45	0.30	-0.17	-0.16	-0.03	0.30	0.9
R	O	60454	SR	0.40	0.26	-0.07	0.26	-0.14	-0.08	1.1
R	O	64807	SR	0.48	0.30	-0.14	-0.19	0.30	-0.02	1.1
R	O	58229	SR	0.41	0.38	0.38	-0.18	-0.10	-0.15	1.1
R	O	55662	CR	0.02	0.48					22.7
R	O	65203	SR	0.22	0.36	-0.06	-0.15	-0.10	0.36	1.8
R	O	52206	SR	0.30	0.32	-0.04	-0.13	-0.12	0.32	2.4
R	O	68665	SR	0.46	0.41	-0.11	-0.18	-0.18	0.41	2.3
R	O	50980	CR	0.23	0.58					14.0
R	O	58359	SR	0.56	0.46	-0.18	-0.21	-0.22	0.46	1.7
R	O	65197	SR	0.65	0.43	0.43	-0.20	-0.21	-0.18	1.8
R	O	51761	SR	0.40	0.37	-0.15	0.37	-0.12	-0.14	2.1
R	O	64978	SR	0.12	0.15	0.15	0.03	-0.09	0.01	2.0
R	O	58394	SR	0.33	0.31	-0.06	0.31	-0.15	-0.12	2.2
R	O	55711	SR	0.24	0.27	-0.08	-0.11	-0.03	0.27	2.2
<b>Mean</b>				0.41	0.32	0.02	-0.06	-0.05	0.03	2.8
<b>SD</b>				0.20	0.13	0.19	0.18	0.18	0.21	5.1

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.A5** Item Statistics, Operational Items: MD HSA Algebra—January 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A	L	54845	SR	0.80	0.29	0.29	-0.12	-0.18	-0.15	0.1
A	O	79071	SR	0.64	0.38	-0.19	0.38	-0.19	-0.18	0.4
A	O	54732	SR	0.55	0.41	-0.24	0.41	-0.18	-0.15	0.2
A	L	67490	SR	0.31	0.35	0.35	-0.14	-0.10	-0.14	0.8
A	L	50382	CR	0.24	0.68					11.4
A	L	54728	SR	0.32	0.27	-0.15	0.27	-0.01	-0.19	0.4
A	L	54849	SR	0.47	0.36	-0.14	0.36	-0.15	-0.19	1.3
A	L	79139	SR	0.48	0.38	-0.15	-0.14	-0.20	0.38	0.5
A	L	79030	SR	0.54	0.33	-0.12	-0.16	-0.20	0.33	0.6
A	O	51416	SPR	0.41	0.45	0.45	-0.37			4.8
A	O	67526	SPR	0.55	0.38	0.38	-0.31			3.4
A	L	79130	CR	0.21	0.59					21.0
A	O	56612	SR	0.56	0.35	0.35	-0.15	-0.18	-0.13	0.8
A	L	56625	SR	0.54	0.31	-0.11	0.31	-0.13	-0.17	1.0
A	L	79529	CR	0.36	0.64					9.5
A	L	56666	SPR	0.34	0.55	0.55	-0.38			10.3
A	L	79131	SR	0.28	0.23	-0.03	0.23	-0.10	-0.07	3.9
A	O	54809	SR	0.72	0.38	-0.14	-0.17	0.38	-0.24	3.3
A	L	56648	SR	0.66	0.32	-0.15	-0.13	0.32	-0.19	0.7
A	L	51428	SR	0.61	0.36	-0.13	0.36	-0.23	-0.15	0.5
A	O	54878	SR	0.85	0.25	-0.14	-0.16	-0.08	0.25	0.5
A	O	54755	SR	0.52	0.34	-0.22	0.34	-0.13	-0.11	0.6
A	O	56672	SR	0.66	0.30	-0.06	-0.13	-0.22	0.30	0.6
A	L	67510	SPR	0.49	0.45	0.45	-0.36			4.8
A	O	43190	SPR	0.29	0.56	0.56	-0.40			7.5
A	L	51431	SR	0.61	0.39	0.39	-0.14	-0.25	-0.15	0.7
A	O	54660	SR	0.25	0.39	-0.16	-0.18	-0.03	0.39	1.0
A	L	67547	SR	0.43	0.42	-0.20	-0.18	-0.16	0.42	0.8
A	O	54890	SR	0.44	0.31	-0.14	0.31	-0.23	0.00	1.1
A	L	64700	SR	0.71	0.39	-0.16	-0.20	-0.20	0.39	0.9
A	L	50398	CR	0.11	0.57					12.0
A	O	67508	SPR	0.30	0.52	0.52	-0.32			14.0
A	O	51487	CR	0.12	0.64					27.4
A	L	43186	SR	0.51	0.19	0.08	0.19	-0.23	-0.08	1.4
A	L	64699	SR	0.30	0.30	0.30	-0.06	-0.14	-0.09	1.5
A	L	50427	CR	0.17	0.55					15.6
A	L	56477	SR	0.51	0.35	-0.16	-0.15	0.35	-0.11	2.3
A	L	54720	SR	0.32	0.37	-0.16	-0.19	0.37	-0.06	2.2
<b>Mean</b>				0.45	0.40	0.05	-0.04	-0.08	0.00	4.5
<b>SD</b>				0.19	0.12	0.28	0.26	0.20	0.23	6.4

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 Algebra—January 2009 Makeup

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
B	L	54845	SR	0.80	0.29	0.29	-0.12	-0.18	-0.15	0.1
B	O	51532	SR	0.67	0.36	-0.22	-0.24	0.36	-0.07	0.2
B	O	51503	SR	0.44	0.33	-0.20	0.33	-0.07	-0.16	0.2
B	L	67490	SR	0.31	0.35	0.35	-0.14	-0.10	-0.14	0.8
B	L	50382	CR	0.24	0.68					11.4
B	L	54728	SR	0.32	0.27	-0.15	0.27	-0.01	-0.19	0.4
B	L	54849	SR	0.47	0.36	-0.14	0.36	-0.15	-0.19	1.3
B	L	79139	SR	0.48	0.38	-0.15	-0.14	-0.20	0.38	0.5
B	L	79030	SR	0.54	0.33	-0.12	-0.16	-0.20	0.33	0.6
B	O	54855	SPR	0.47	0.53	0.53	-0.44			5.1
B	O	51505	SPR	0.54	0.46	0.46	-0.37			5.8
B	L	79130	CR	0.21	0.59					21.0
B	O	54609	SR	0.73	0.36	-0.09	-0.25	-0.22	0.36	0.7
B	L	56625	SR	0.54	0.31	-0.11	0.31	-0.13	-0.17	1.0
B	L	79529	CR	0.36	0.64					9.5
B	L	56666	SPR	0.34	0.55	0.55	-0.38			10.3
B	L	79131	SR	0.28	0.23	-0.03	0.23	-0.10	-0.07	3.9
B	O	56597	SR	0.33	0.29	0.29	-0.15	-0.08	-0.07	2.6
B	L	56648	SR	0.66	0.32	-0.15	-0.13	0.32	-0.19	0.7
B	L	51428	SR	0.61	0.36	-0.13	0.36	-0.23	-0.15	0.5
B	O	54705	SR	0.64	0.41	-0.23	-0.24	0.41	-0.14	0.6
B	O	79029	SR	0.81	0.37	-0.25	-0.15	0.37	-0.18	0.4
B	O	56585	SR	0.20	0.35	-0.14	-0.18	0.01	0.35	0.7
B	L	67510	SPR	0.49	0.45	0.45	-0.36			4.8
B	O	64691	SPR	0.45	0.52	0.52	-0.37			8.1
B	L	51431	SR	0.61	0.39	0.39	-0.14	-0.25	-0.15	0.7
B	O	106631	SR	0.29	0.28	-0.15	-0.17	0.05	0.28	1.1
B	L	67547	SR	0.43	0.42	-0.20	-0.18	-0.16	0.42	0.8
B	O	54906	SR	0.61	0.46	-0.25	0.46	-0.21	-0.18	1.1
B	L	64700	SR	0.71	0.39	-0.16	-0.20	-0.20	0.39	0.9
B	L	50398	CR	0.11	0.57					12.0
B	O	43220	SPR	0.07	0.35	0.35	-0.07			13.9
B	O	67416	CR	0.10	0.55					43.1
B	L	43186	SR	0.51	0.19	0.08	0.19	-0.23	-0.08	1.4
B	L	64699	SR	0.30	0.30	0.30	-0.06	-0.14	-0.09	1.5
B	L	50427	CR	0.17	0.55					15.6
B	L	56477	SR	0.51	0.35	-0.16	-0.15	0.35	-0.11	2.3
B	L	54720	SR	0.32	0.37	-0.16	-0.19	0.37	-0.06	2.2
<b>Mean</b>				0.44	0.40	0.04	-0.08	-0.02	0.00	4.9
<b>SD</b>				0.20	0.11	0.28	0.25	0.23	0.23	8.2

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.A7** Item Statistics, Operational Items: MD HSA Biology—January 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A	L	52418	SR	0.68	0.39	-0.19	0.39	-0.27	-0.13	0.2
A	O	108521	SR	0.61	0.50	-0.19	0.50	-0.32	-0.22	0.2
A	L	59856	SR	0.39	0.41	-0.20	0.41	-0.20	-0.11	0.3
A	L	59855	SR	0.62	0.43	-0.27	-0.22	-0.12	0.43	0.1
A	L	52671	SR	0.35	0.48	-0.08	-0.29	-0.19	0.48	0.3
A	L	52487	SR	0.49	0.42	-0.17	0.42	-0.23	-0.15	0.2
A	L	52489	SR	0.53	0.44	0.44	-0.22	-0.27	-0.13	0.2
A	O	55048	SR	0.68	0.26	-0.12	-0.14	0.26	-0.14	0.1
A	O	108673	SR	0.42	0.45	-0.29	-0.15	-0.12	0.45	0.2
A	L	55191	CR	0.21	0.81					7.5
A	O	52404	SR	0.72	0.39	-0.25	0.39	-0.15	-0.19	0.2
A	O	52729	SR	0.63	0.36	0.36	-0.15	-0.15	-0.22	0.2
A	L	57020	SR	0.62	0.50	0.50	-0.27	-0.25	-0.19	0.4
A	L	57021	SR	0.49	0.39	-0.25	-0.09	-0.17	0.39	0.5
A	L	108670	CR	0.24	0.79					10.9
A	O	67662	SR	0.51	0.30	-0.21	-0.08	-0.11	0.30	0.4
A	O	68172	SR	0.65	0.44	-0.20	-0.20	-0.24	0.44	0.5
A	L	52682	CR	0.28	0.78					10.8
A	L	57046	SR	0.38	0.24	0.24	-0.05	-0.11	-0.12	0.6
A	L	57047	SR	0.56	0.48	-0.25	-0.23	0.48	-0.18	0.6
A	O	79464	SR	0.40	0.36	0.36	-0.15	-0.16	-0.12	0.7
A	L	68274	CR	0.20	0.74					15.6
A	L	108510	SR	0.73	0.32	-0.21	-0.15	0.32	-0.10	0.9
A	O	79311	SR	0.58	0.53	-0.23	0.53	-0.22	-0.30	0.8
A	O	108523	SR	0.84	0.42	-0.24	-0.22	0.42	-0.19	0.9
A	O	68133	SR	0.73	0.35	-0.19	-0.19	-0.17	0.35	0.9
A	O	52640	SR	0.56	0.39	-0.02	-0.27	0.39	-0.25	1.0
A	O	67675	SR	0.61	0.52	-0.24	-0.26	-0.22	0.52	1.1
A	O	52707	SR	0.55	0.46	-0.14	-0.30	0.46	-0.18	0.5
A	O	79474	SR	0.27	0.57	0.57	-0.19	-0.28	-0.14	0.5
A	L	52509	SR	0.68	0.39	-0.14	-0.26	0.39	-0.17	0.5
A	L	52433	SR	0.52	0.48	0.48	-0.28	-0.14	-0.21	0.6
A	L	52695	CR	0.15	0.77					15.1
A	L	52761	SR	0.74	0.48	-0.22	-0.27	-0.23	0.48	0.5
A	L	52762	SR	0.23	0.23	0.23	-0.15	0.04	-0.17	0.6
A	O	65062	SR	0.72	0.38	-0.28	-0.16	0.38	-0.12	0.5
A	O	65122	SR	0.50	0.33	-0.25	0.33	-0.05	-0.17	0.7
A	L	52573	CR	0.22	0.82					12.2
A	O	67608	SR	0.59	0.43	-0.18	0.43	-0.21	-0.21	0.6
A	L	60553	SR	0.85	0.31	-0.17	-0.15	0.31	-0.16	0.7
A	O	52780	SR	0.53	0.52	-0.25	-0.22	0.52	-0.21	0.8
A	L	64713	SR	0.51	0.43	-0.22	0.43	-0.23	-0.10	0.8
A	L	64714	SR	0.42	0.58	0.58	-0.25	-0.28	-0.16	0.8

**Table 1.A7** Item Statistics, Operational Items: MD HSA Biology—January 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A	O	55221	SR	0.58	0.56	-0.19	0.56	-0.21	-0.36	0.7
A	O	60529	SR	0.56	0.37	-0.22	-0.15	0.37	-0.12	0.8
A	O	68253	SR	0.63	0.50	-0.23	-0.21	-0.27	0.50	0.7
A	L	55100	SR	0.57	0.49	-0.21	0.49	-0.28	-0.19	0.8
A	L	55160	SR	0.67	0.45	0.45	-0.21	-0.21	-0.22	0.8
A	L	67604	CR	0.26	0.78					15.0
A	L	68207	SR	0.48	0.46	-0.21	-0.24	0.46	-0.17	1.0
A	L	68209	SR	0.57	0.55	0.55	-0.25	-0.29	-0.21	1.0
A	L	68210	SR	0.52	0.49	-0.22	-0.24	0.49	-0.17	1.0
A	L	52468	SR	0.48	0.51	-0.21	0.51	-0.21	-0.23	1.1
A	L	52469	SR	0.45	0.45	-0.20	0.45	-0.20	-0.16	1.2
A	L	52470	SR	0.60	0.48	-0.21	0.48	-0.22	-0.22	1.1
<b>Mean</b>				0.52	0.48	-0.06	-0.01	-0.03	-0.05	2.1
<b>SD</b>				0.17	0.14	0.28	0.30	0.28	0.26	4.1

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 Biology—January 2009 Makeup

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
B	L	52418	SR	0.68	0.39	-0.19	0.39	-0.27	-0.13	0.2
B	O	52493	SR	0.88	0.27	-0.17	-0.16	0.27	-0.11	0.0
B	L	59856	SR	0.39	0.41	-0.20	0.41	-0.20	-0.11	0.3
B	L	59855	SR	0.62	0.43	-0.27	-0.22	-0.12	0.43	0.1
B	L	52671	SR	0.35	0.48	-0.08	-0.29	-0.19	0.48	0.3
B	L	52487	SR	0.49	0.42	-0.17	0.42	-0.23	-0.15	0.2
B	L	52489	SR	0.53	0.44	0.44	-0.22	-0.27	-0.13	0.2
B	O	67659	SR	0.52	0.36	0.36	-0.20	-0.15	-0.14	0.5
B	O	67660	SR	0.48	0.32	-0.19	-0.10	-0.16	0.32	0.3
B	L	55191	CR	0.21	0.81					7.5
B	O	54988	SR	0.43	0.45	-0.13	-0.23	-0.18	0.45	0.4
B	O	79424	SR	0.66	0.37	-0.08	0.37	-0.24	-0.20	0.4
B	L	57020	SR	0.62	0.50	0.50	-0.27	-0.25	-0.19	0.4
B	L	57021	SR	0.49	0.39	-0.25	-0.09	-0.17	0.39	0.5
B	L	108670	CR	0.24	0.79					10.9
B	O	108630	SR	0.36	0.27	-0.20	-0.14	0.00	0.27	1.1
B	O	79435	SR	0.45	0.37	0.37	-0.17	-0.14	-0.13	1.2
B	L	52682	CR	0.28	0.78					10.8
B	L	57046	SR	0.38	0.24	0.24	-0.05	-0.11	-0.12	0.6
B	L	57047	SR	0.56	0.48	-0.25	-0.23	0.48	-0.18	0.6
B	O	52625	SR	0.46	0.31	-0.14	0.31	-0.06	-0.16	1.7
B	L	68274	CR	0.20	0.74					15.6
B	L	108510	SR	0.73	0.32	-0.21	-0.15	0.32	-0.10	0.9
B	O	68192	SR	0.63	0.38	0.38	-0.18	-0.17	-0.15	1.9
B	O	79417	SR	0.52	0.50	0.50	-0.20	-0.24	-0.18	2.1
B	O	52634	SR	0.35	0.48	0.48	-0.21	-0.22	-0.08	1.8
B	O	55137	SR	0.24	0.47	0.47	-0.19	-0.15	-0.05	1.9
B	O	64701	SR	0.44	0.38	-0.15	-0.20	0.38	-0.09	1.9
B	O	79412	SR	0.46	0.30	-0.11	-0.20	-0.06	0.30	1.1
B	O	79472	SR	0.29	0.37	0.37	-0.21	-0.09	-0.07	1.2
B	L	52509	SR	0.68	0.39	-0.14	-0.26	0.39	-0.17	0.5
B	L	52433	SR	0.52	0.48	0.48	-0.28	-0.14	-0.21	0.6
B	L	52695	CR	0.15	0.77					15.1
B	L	52761	SR	0.74	0.48	-0.22	-0.27	-0.23	0.48	0.5
B	L	52762	SR	0.23	0.23	0.23	-0.15	0.04	-0.17	0.6
B	O	65051	SR	0.58	0.47	-0.21	-0.24	-0.18	0.47	1.5
B	O	65139	SR	0.35	0.35	-0.04	-0.13	0.35	-0.22	1.7
B	L	52573	CR	0.22	0.82					12.2
B	O	52705	SR	0.66	0.44	-0.15	-0.23	-0.23	0.44	1.1
B	L	60553	SR	0.85	0.31	-0.17	-0.15	0.31	-0.16	0.7
B	O	65054	SR	0.67	0.45	-0.20	0.45	-0.27	-0.15	1.3
B	L	64713	SR	0.51	0.43	-0.22	0.43	-0.23	-0.10	0.8
B	L	64714	SR	0.42	0.58	0.58	-0.25	-0.28	-0.16	0.8

**Table 1.A8** Item Statistics, Operational Items: MD HSA Biology—January 2009 Makeup

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
B	O	55220	SR	0.41	0.47	0.47	-0.12	-0.23	-0.18	1.4
B	O	52528	SR	0.43	0.36	-0.14	0.36	-0.17	-0.11	1.4
B	O	108517	SR	0.46	0.35	-0.11	0.35	-0.16	-0.18	1.4
B	L	55100	SR	0.57	0.49	-0.21	0.49	-0.28	-0.19	0.8
B	L	55160	SR	0.67	0.45	0.45	-0.21	-0.21	-0.22	0.8
B	L	67604	CR	0.26	0.78					15.0
B	L	68207	SR	0.48	0.46	-0.21	-0.24	0.46	-0.17	1.0
B	L	68209	SR	0.57	0.55	0.55	-0.25	-0.29	-0.21	1.0
B	L	68210	SR	0.52	0.49	-0.22	-0.24	0.49	-0.17	1.0
B	L	52468	SR	0.48	0.51	-0.21	0.51	-0.21	-0.23	1.1
B	L	52469	SR	0.45	0.45	-0.20	0.45	-0.20	-0.16	1.2
B	L	52470	SR	0.60	0.48	-0.21	0.48	-0.22	-0.22	1.1
<b>Mean</b>				0.48	0.46	0.03	-0.03	-0.08	-0.04	2.4
<b>SD</b>				0.17	0.15	0.29	0.28	0.23	0.23	4.0

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.A9** Item Statistics, Operational Items: MD HSA English—January 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A	O	130211	CR	0.54	0.66					1.9
A	O	130032	SR	0.68	0.30	-0.18	-0.10	-0.19	0.30	0.2
A	O	130033	SR	0.74	0.23	0.23	-0.03	-0.23	-0.13	0.0
A	O	130034	SR	0.34	0.41	0.41	-0.21	-0.16	-0.12	0.2
A	O	130037	SR	0.66	0.31	-0.06	-0.25	-0.14	0.31	0.1
A	O	130035	SR	0.65	0.39	-0.19	-0.16	-0.28	0.39	0.1
A	L	130061	SR	0.54	0.30	0.30	-0.18	-0.20	-0.07	0.5
A	L	130062	SR	0.34	0.44	-0.19	-0.16	-0.15	0.44	0.5
A	L	130063	SR	0.57	0.41	-0.22	-0.22	0.41	-0.19	0.6
A	L	130201	SR	0.52	0.45	-0.17	-0.17	0.45	-0.26	0.7
A	L	130064	SR	0.65	0.36	-0.17	-0.20	0.36	-0.18	0.9
A	L	130065	CR	0.42	0.67					6.6
A	O	135490	CR	0.50	0.66					2.5
A	L	108722	SR	0.36	0.37	0.37	-0.10	-0.23	-0.09	0.4
A	L	108723	SR	0.54	0.40	0.40	-0.18	-0.20	-0.16	0.4
A	L	108724	SR	0.62	0.40	-0.15	0.40	-0.20	-0.22	0.4
A	L	130068	SR	0.76	0.42	0.42	-0.23	-0.22	-0.20	0.5
A	L	130198	SR	0.81	0.40	-0.20	-0.23	0.40	-0.20	0.4
A	L	130202	SR	0.58	0.39	-0.10	0.39	-0.24	-0.20	0.5
A	L	108844	SR	0.54	0.44	-0.13	0.44	-0.24	-0.24	0.5
A	L	108847	SR	0.33	0.35	-0.03	0.35	-0.27	-0.12	0.5
A	L	108848	SR	0.59	0.43	0.43	-0.15	-0.26	-0.23	0.6
A	L	108849	SR	0.68	0.44	-0.21	-0.16	0.44	-0.26	0.5
A	L	108846	SR	0.58	0.47	0.47	-0.28	-0.19	-0.16	0.6
A	L	130212	SR	0.58	0.44	-0.23	0.44	-0.23	-0.14	0.6
A	O	96184	SR	0.52	0.41	-0.22	-0.25	0.41	-0.08	0.6
A	O	96185	SR	0.45	0.27	-0.05	-0.21	0.27	-0.10	0.6
A	O	96182	SR	0.47	0.40	-0.17	-0.18	0.40	-0.15	0.7
A	O	96183	SR	0.50	0.34	-0.23	0.34	-0.16	-0.08	0.7
A	O	96186	SR	0.67	0.46	0.46	-0.26	-0.20	-0.21	0.8
A	O	130089	SR	0.59	0.40	-0.11	-0.20	-0.24	0.40	0.8
A	L	130257	SR	0.60	0.49	0.49	-0.23	-0.24	-0.22	0.9
A	L	108828	SR	0.73	0.43	-0.21	-0.25	0.43	-0.19	0.5
A	L	108831	SR	0.46	0.25	0.25	0.03	-0.28	-0.18	0.6
A	L	108830	SR	0.65	0.42	-0.23	-0.22	-0.18	0.42	0.5
A	L	130204	SR	0.46	0.31	0.31	-0.19	-0.07	-0.12	0.7
A	L	108835	SR	0.71	0.42	-0.19	0.42	-0.25	-0.20	0.5
A	L	108832	SR	0.60	0.51	0.51	-0.26	-0.27	-0.17	0.6
A	L	108829	SR	0.76	0.50	-0.24	-0.26	-0.26	0.50	0.5
A	L	171382	SR	0.35	0.41	0.41	-0.25	-0.11	-0.15	0.5
A	L	130205	SR	0.69	0.45	-0.21	0.45	-0.25	-0.19	0.7
A	L	130206	CR	0.44	0.66					4.8
A	O	130030	SR	0.86	0.36	-0.18	-0.20	0.36	-0.17	1.0

**Table 1.A9** Item Statistics, Operational Items: MD HSA English—January 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A	O	130031	SR	0.73	0.44	-0.26	-0.19	-0.21	0.44	1.1
A	O	130142	SR	0.60	0.36	-0.20	-0.15	0.36	-0.15	1.4
A	O	130144	SR	0.53	0.47	-0.21	-0.22	-0.19	0.47	1.4
A	O	130146	SR	0.72	0.45	-0.19	-0.22	-0.24	0.45	1.4
A	O	130147	SR	0.54	0.47	0.47	-0.25	-0.20	-0.18	1.4
A	O	130150	SR	0.71	0.52	-0.24	-0.26	-0.26	0.52	1.4
A	O	130152	SR	0.36	0.39	-0.18	-0.08	-0.19	0.39	1.4
<b>Mean</b>				0.58	0.42	0.01	-0.09	-0.07	-0.01	0.9
<b>SD</b>				0.13	0.10	0.28	0.24	0.26	0.27	1.1

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.A10** Item Statistics, Operational Items: MD HSA English—January 2009 Makeup

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
B	O	130281	CR	0.49	0.57					4.1
B	O	130258	SR	0.71	0.15	0.15	-0.06	-0.15	-0.07	0.1
B	O	96120	SR	0.38	0.25	0.25	-0.09	-0.18	-0.03	0.1
B	O	96121	SR	0.67	0.29	-0.17	0.29	-0.19	-0.07	0.3
B	O	96122	SR	0.64	0.24	-0.13	-0.08	0.24	-0.19	0.0
B	O	96123	SR	0.40	0.25	-0.17	-0.16	0.25	-0.03	0.1
B	L	130061	SR	0.54	0.30	0.30	-0.18	-0.20	-0.07	0.5
B	L	130062	SR	0.34	0.44	-0.19	-0.16	-0.15	0.44	0.5
B	L	130063	SR	0.57	0.41	-0.22	-0.22	0.41	-0.19	0.6
B	L	130201	SR	0.52	0.45	-0.17	-0.17	0.45	-0.26	0.7
B	L	130064	SR	0.65	0.36	-0.17	-0.20	0.36	-0.18	0.9
B	L	130065	CR	0.42	0.67					6.6
B	O	108684	CR	0.45	0.61					4.1
B	L	108722	SR	0.36	0.37	0.37	-0.10	-0.23	-0.09	0.4
B	L	108723	SR	0.54	0.40	0.40	-0.18	-0.20	-0.16	0.4
B	L	108724	SR	0.62	0.40	-0.15	0.40	-0.20	-0.22	0.4
B	L	130068	SR	0.76	0.42	0.42	-0.23	-0.22	-0.20	0.5
B	L	130198	SR	0.81	0.40	-0.20	-0.23	0.40	-0.20	0.4
B	L	130202	SR	0.58	0.39	-0.10	0.39	-0.24	-0.20	0.5
B	L	108844	SR	0.54	0.44	-0.13	0.44	-0.24	-0.24	0.5
B	L	108847	SR	0.33	0.35	-0.03	0.35	-0.27	-0.12	0.5
B	L	108848	SR	0.59	0.43	0.43	-0.15	-0.26	-0.23	0.6
B	L	108849	SR	0.68	0.44	-0.21	-0.16	0.44	-0.26	0.5
B	L	108846	SR	0.58	0.47	0.47	-0.28	-0.19	-0.16	0.6
B	L	130212	SR	0.58	0.44	-0.23	0.44	-0.23	-0.14	0.6
B	O	130112	SR	0.37	0.37	-0.12	-0.11	-0.18	0.37	0.9
B	O	130108	SR	0.43	0.38	0.38	-0.20	-0.11	-0.15	1.1
B	O	130117	SR	0.37	0.31	-0.13	-0.17	0.31	-0.05	1.0
B	O	130129	SR	0.46	0.33	-0.19	0.33	-0.14	-0.11	1.1
B	O	130256	SR	0.63	0.31	-0.21	0.31	-0.07	-0.19	1.2
B	L	130257	SR	0.60	0.49	0.49	-0.23	-0.24	-0.22	0.9
B	L	108828	SR	0.73	0.43	-0.21	-0.25	0.43	-0.19	0.5
B	L	108831	SR	0.46	0.25	0.25	0.03	-0.28	-0.18	0.6
B	L	108830	SR	0.65	0.42	-0.23	-0.22	-0.18	0.42	0.5
B	L	130204	SR	0.46	0.31	0.31	-0.19	-0.07	-0.12	0.7
B	L	108835	SR	0.71	0.42	-0.19	0.42	-0.25	-0.20	0.5
B	L	108832	SR	0.60	0.51	0.51	-0.26	-0.27	-0.17	0.6
B	L	108829	SR	0.76	0.50	-0.24	-0.26	-0.26	0.50	0.5
B	L	171382	SR	0.35	0.41	0.41	-0.25	-0.11	-0.15	0.5
B	L	130205	SR	0.69	0.45	-0.21	0.45	-0.25	-0.19	0.7
B	L	130206	CR	0.44	0.66					4.8
B	O	130170	SR	0.61	0.39	-0.18	0.39	-0.23	-0.10	1.1
B	O	130171	SR	0.52	0.18	0.18	-0.06	-0.08	-0.08	1.1

**Table 1.A10** Item Statistics, Operational Items: MD HSA English—January 2009 Makeup

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
B	O	96317	SR	0.38	0.24	-0.19	-0.02	0.24	-0.08	1.5
B	O	96318	SR	0.34	0.31	-0.10	-0.10	-0.14	0.31	1.5
B	O	96319	SR	0.35	0.29	-0.11	-0.17	-0.04	0.29	1.2
B	O	96320	SR	0.37	0.34	0.34	-0.19	-0.20	-0.01	1.2
B	O	96323	SR	0.39	0.31	-0.18	0.31	-0.11	-0.06	1.2
B	O	96324	SR	0.38	0.31	-0.17	0.31	-0.22	-0.01	1.2
B	O	96325	SR	0.37	0.38	0.38	-0.18	-0.10	-0.16	1.2
<b>Mean</b>				0.52	0.38	0.02	-0.01	-0.07	-0.07	1.0
<b>SD</b>				0.14	0.11	0.27	0.25	0.23	0.19	1.2

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.A11** Item Statistics, Operational Items: MD HSA Government—January 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A	L	79618	SR	0.95	0.20	-0.10	-0.11	0.20	-0.13	0.0
A	O	68606	SR	0.74	0.41	0.41	-0.16	-0.27	-0.20	0.0
A	L	51131	SR	0.83	0.32	-0.16	-0.22	-0.14	0.32	0.0
A	L	51125	SR	0.41	0.38	-0.19	-0.16	0.38	-0.13	0.2
A	O	51225	SR	0.47	0.47	-0.17	-0.35	0.47	-0.11	0.1
A	L	68543	CR	0.31	0.74					7.8
A	L	68043	SR	0.82	0.26	-0.15	-0.17	-0.11	0.26	0.1
A	L	79752	SR	0.28	0.15	0.15	-0.12	-0.06	0.04	0.6
A	L	68739	SR	0.55	0.51	-0.27	-0.24	-0.20	0.51	0.3
A	L	68040	SR	0.47	0.52	-0.19	-0.25	0.52	-0.23	0.6
A	L	68621	CR	0.34	0.71					4.2
A	L	68489	SR	0.68	0.42	0.42	-0.15	-0.27	-0.21	0.2
A	L	68734	SR	0.59	0.45	-0.20	0.45	-0.23	-0.20	0.3
A	L	51058	SR	0.42	0.54	-0.14	-0.27	-0.25	0.54	0.5
A	O	108468	SR	0.69	0.51	-0.26	0.51	-0.30	-0.21	0.4
A	L	68571	CR	0.14	0.70					15.0
A	L	108403	SR	0.57	0.43	-0.23	-0.21	0.43	-0.17	0.4
A	L	51001	SR	0.71	0.45	-0.21	0.45	-0.25	-0.22	0.5
A	L	50868	SR	0.62	0.41	-0.18	0.41	-0.21	-0.20	0.6
A	L	50891	SR	0.51	0.35	-0.24	0.35	-0.22	-0.07	0.6
A	L	68754	SR	0.56	0.50	-0.23	-0.20	-0.26	0.50	0.7
A	L	68690	SR	0.50	0.37	-0.18	0.37	-0.17	-0.21	0.6
A	L	50933	SR	0.53	0.49	0.49	-0.13	-0.23	-0.27	0.8
A	O	108361	CR	0.29	0.80					15.4
A	L	68504	SR	0.70	0.49	0.49	-0.27	-0.23	-0.22	1.8
A	L	68572	SR	0.70	0.49	-0.24	-0.25	0.49	-0.22	2.0
A	L	55689	SR	0.51	0.38	-0.16	0.38	-0.18	-0.12	2.0
A	O	51798	SR	0.48	0.43	-0.19	0.43	-0.23	-0.16	2.0
A	L	58269	SR	0.76	0.30	-0.17	-0.18	-0.17	0.30	0.4
A	O	68055	SR	0.81	0.44	-0.23	-0.23	0.44	-0.23	0.4
A	L	55613	SR	0.61	0.28	-0.20	-0.07	0.28	-0.18	0.5
A	O	58396	SR	0.44	0.52	-0.25	0.52	-0.16	-0.25	0.6
A	L	68583	CR	0.14	0.70					13.7
A	O	68524	SR	0.59	0.33	-0.11	-0.22	0.33	-0.18	0.5
A	L	108473	SR	0.52	0.48	-0.21	-0.19	0.48	-0.24	0.8
A	L	68710	SR	0.62	0.50	-0.22	0.50	-0.30	-0.17	0.7
A	O	58258	SR	0.32	0.39	-0.18	-0.12	-0.16	0.39	0.6
A	L	68065	CR	0.25	0.75					9.1
A	L	68648	SR	0.69	0.46	-0.19	-0.24	-0.28	0.46	0.5
A	L	68584	SR	0.53	0.41	-0.14	-0.24	0.41	-0.16	0.6
A	O	65191	SR	0.49	0.47	0.47	-0.21	-0.27	-0.14	0.7
A	O	60427	SR	0.47	0.26	-0.09	-0.05	0.26	-0.20	0.7
A	L	65158	CR	0.32	0.69					7.1

**Table 1.A11** Item Statistics, Operational Items: MD HSA Government—January 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
A	L	51092	SR	0.53	0.49	-0.19	0.49	-0.30	-0.15	0.8
A	L	68720	SR	0.71	0.50	-0.26	0.50	-0.23	-0.25	0.8
A	L	64818	SR	0.44	0.44	-0.13	-0.22	0.44	-0.19	1.0
A	L	68785	SR	0.58	0.49	0.49	-0.25	-0.27	-0.14	0.8
A	O	52250	SR	0.34	0.38	-0.10	0.38	-0.15	-0.17	0.8
A	O	64791	SR	0.41	0.51	0.51	-0.23	-0.22	-0.17	1.1
A	L	64822	CR	0.20	0.82					17.1
A	O	67997	SR	0.75	0.47	0.47	-0.26	-0.25	-0.19	1.0
A	O	65192	SR	0.40	0.17	-0.15	0.00	-0.06	0.17	1.0
A	O	67987	SR	0.53	0.50	-0.23	-0.24	0.50	-0.19	1.1
A	O	52209	SR	0.57	0.47	-0.22	-0.25	0.47	-0.18	1.1
A	L	64813	SR	0.48	0.45	0.45	-0.25	-0.18	-0.14	1.3
A	O	55527	SR	0.28	0.39	0.39	-0.22	-0.22	0.05	1.4
A	O	68077	SR	0.53	0.52	-0.19	-0.25	-0.25	0.52	1.7
A	O	65186	SR	0.65	0.48	-0.23	-0.22	0.48	-0.24	1.6
<b>Mean</b>				0.52	0.46	-0.05	-0.03	-0.01	-0.06	2.2
<b>SD</b>				0.18	0.14	0.27	0.29	0.30	0.25	4.0

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.A12** Item Statistics, Operational Items: MD HSA Government—January 2009 Makeup

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
B	L	79618	SR	0.95	0.20	-0.10	-0.11	0.20	-0.13	0.0
B	O	50870	SR	0.50	0.33	-0.15	0.33	-0.10	-0.19	0.2
B	L	51131	SR	0.83	0.32	-0.16	-0.22	-0.14	0.32	0.0
B	L	51125	SR	0.41	0.38	-0.19	-0.16	0.38	-0.13	0.2
B	O	51151	SR	0.80	0.39	-0.19	-0.19	-0.25	0.39	0.2
B	L	68543	CR	0.31	0.74					7.8
B	L	68043	SR	0.82	0.26	-0.15	-0.17	-0.11	0.26	0.1
B	L	79752	SR	0.28	0.15	0.15	-0.12	-0.06	0.04	0.6
B	L	68739	SR	0.55	0.51	-0.27	-0.24	-0.20	0.51	0.3
B	L	68040	SR	0.47	0.52	-0.19	-0.25	0.52	-0.23	0.6
B	L	68621	CR	0.34	0.71					4.2
B	L	68489	SR	0.68	0.42	0.42	-0.15	-0.27	-0.21	0.2
B	L	68734	SR	0.59	0.45	-0.20	0.45	-0.23	-0.20	0.3
B	L	51058	SR	0.42	0.54	-0.14	-0.27	-0.25	0.54	0.5
B	O	79723	SR	0.31	0.06	-0.02	-0.03	0.06	-0.01	0.4
B	L	68571	CR	0.14	0.70					15.0
B	L	108403	SR	0.57	0.43	-0.23	-0.21	0.43	-0.17	0.4
B	L	51001	SR	0.71	0.45	-0.21	0.45	-0.25	-0.22	0.5
B	L	50868	SR	0.62	0.41	-0.18	0.41	-0.21	-0.20	0.6
B	L	50891	SR	0.51	0.35	-0.24	0.35	-0.22	-0.07	0.6
B	L	68754	SR	0.56	0.50	-0.23	-0.20	-0.26	0.50	0.7
B	L	68690	SR	0.50	0.37	-0.18	0.37	-0.17	-0.21	0.6
B	L	50933	SR	0.53	0.49	0.49	-0.13	-0.23	-0.27	0.8
B	O	68629	CR	0.21	0.74					18.6
B	L	68504	SR	0.70	0.49	0.49	-0.27	-0.23	-0.22	1.8
B	L	68572	SR	0.70	0.49	-0.24	-0.25	0.49	-0.22	2.0
B	L	55689	SR	0.51	0.38	-0.16	0.38	-0.18	-0.12	2.0
B	O	58383	SR	0.36	0.42	-0.18	-0.18	0.42	-0.08	2.7
B	L	58269	SR	0.76	0.30	-0.17	-0.18	-0.17	0.30	0.4
B	O	79585	SR	0.63	0.44	-0.24	0.44	-0.21	-0.15	1.1
B	L	55613	SR	0.61	0.28	-0.20	-0.07	0.28	-0.18	0.5
B	O	58150	SR	0.50	0.39	-0.23	-0.13	0.39	-0.14	1.4
B	L	68583	CR	0.14	0.70					13.7
B	O	55680	SR	0.52	0.25	-0.10	-0.07	0.25	-0.11	1.7
B	L	108473	SR	0.52	0.48	-0.21	-0.19	0.48	-0.24	0.8
B	L	68710	SR	0.62	0.50	-0.22	0.50	-0.30	-0.17	0.7
B	O	68580	SR	0.44	0.43	-0.16	-0.15	-0.18	0.43	1.7
B	L	68065	CR	0.25	0.75					9.1
B	L	68648	SR	0.69	0.46	-0.19	-0.24	-0.28	0.46	0.5
B	L	68584	SR	0.53	0.41	-0.14	-0.24	0.41	-0.16	0.6
B	O	68716	SR	0.46	0.47	-0.17	-0.19	-0.19	0.47	1.6
B	O	68780	SR	0.37	0.26	-0.11	-0.18	0.26	0.02	1.9
B	L	65158	CR	0.32	0.69					7.1

**Table 1.A12** Item Statistics, Operational Items: MD HSA Government—January 2009 Makeup

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
B	L	51092	SR	0.53	0.49	-0.19	0.49	-0.30	-0.15	0.8
B	L	68720	SR	0.71	0.50	-0.26	0.50	-0.23	-0.25	0.8
B	L	64818	SR	0.44	0.44	-0.13	-0.22	0.44	-0.19	1.0
B	L	68785	SR	0.58	0.49	0.49	-0.25	-0.27	-0.14	0.8
B	O	68599	SR	0.40	0.40	-0.18	0.40	-0.07	-0.19	2.5
B	O	60460	SR	0.32	0.28	0.01	-0.13	0.28	-0.11	3.0
B	L	64822	CR	0.20	0.82					17.1
B	O	52243	SR	0.39	0.30	-0.06	-0.17	0.30	-0.08	2.2
B	O	65210	SR	0.31	0.33	-0.09	-0.07	-0.13	0.33	2.3
B	O	65180	SR	0.38	0.40	-0.14	-0.12	-0.15	0.40	2.6
B	O	68007	SR	0.39	0.44	0.44	-0.20	-0.19	-0.07	2.7
B	L	64813	SR	0.48	0.45	0.45	-0.25	-0.18	-0.14	1.3
B	O	51029	SR	0.47	0.44	-0.18	-0.19	-0.15	0.44	2.7
B	O	52241	SR	0.43	0.40	-0.17	-0.20	0.40	-0.08	2.8
B	O	52214	SR	0.63	0.46	-0.20	0.46	-0.21	-0.21	3.1
<b>Mean</b>				0.50	0.44	-0.09	-0.02	-0.01	0.00	2.6
<b>SD</b>				0.18	0.15	0.22	0.27	0.28	0.26	4.1

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.A13** Item Statistics, Operational Items: MD HSA Algebra—April 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	L	56636	SR	0.73	0.38	-0.22	-0.24	0.38	-0.12	0.0
S	L	54846	SR	0.64	0.29	-0.15	0.29	-0.24	-0.05	0.6
S	L	51542	SR	0.29	0.23	0.23	0.02	-0.25	-0.14	0.3
S	L	51371	SR	0.43	0.18	0.18	-0.12	-0.10	-0.04	0.5
S	L	79128	CR	0.11	0.53					29.5
S	L	67515	SR	0.38	0.19	-0.12	0.19	-0.05	-0.04	1.6
S	L	79011	SR	0.33	0.13	0.13	-0.01	-0.06	-0.07	1.4
S	L	56614	SR	0.64	0.36	-0.15	0.36	-0.22	-0.17	0.9
S	L	43157	SR	0.29	0.16	-0.02	0.04	-0.15	0.16	0.9
S	L	67525	SPR	0.52	0.40	0.40	-0.26			6.8
S	L	56563	SPR	0.06	0.29	0.29	0.04			11.2
S	L	79119	CR	0.35	0.65					18.4
S	L	51469	SR	0.34	0.46	-0.05	-0.18	-0.23	0.46	1.7
S	L	54798	SR	0.31	0.14	-0.02	0.04	0.14	-0.16	2.0
S	L	79528	CR	0.29	0.67					23.9
S	L	56566	SPR	0.12	0.38	0.38	-0.05			26.2
S	L	51516	SR	0.38	0.23	-0.21	-0.11	0.23	0.09	5.3
S	L	54802	SR	0.30	0.25	0.25	0.03	-0.14	-0.13	5.7
S	L	51365	SR	0.46	0.32	0.32	-0.09	-0.18	-0.06	1.9
S	L	54749	SR	0.76	0.48	-0.22	-0.21	-0.24	0.48	1.6
S	L	67536	SR	0.70	0.36	-0.16	-0.23	-0.11	0.36	1.6
S	L	51501	SR	0.60	0.39	-0.21	-0.11	0.39	-0.16	2.1
S	L	51567	SPR	0.17	0.40	0.40	-0.05			15.9
S	L	67543	SR	0.31	0.26	0.05	-0.06	-0.17	0.26	2.8
S	L	106542	SR	0.36	0.25	0.25	-0.07	-0.13	0.02	2.4
S	L	79033	SR	0.57	0.35	-0.13	-0.17	0.35	-0.10	2.6
S	L	79533	SR	0.32	0.26	-0.01	0.26	-0.08	-0.13	2.6
S	L	67422	CR	0.06	0.35					25.2
S	L	67401	SPR	0.64	0.54	0.54	-0.31			11.5
S	L	67421	SPR	0.39	0.45	0.45	-0.17			12.1
S	L	56604	CR	0.18	0.60					37.2
S	L	67408	SR	0.36	0.22	0.04	0.22	-0.08	-0.10	3.3
S	L	51438	SR	0.41	0.29	-0.08	0.29	-0.10	-0.07	3.4
S	L	67447	SR	0.47	0.24	-0.09	-0.03	0.24	-0.08	3.4
S	L	64257	CR	0.12	0.66					37.9
S	L	50394	SR	0.71	0.47	-0.20	-0.21	-0.16	0.47	3.7
S	L	67418	SR	0.33	0.20	-0.06	0.20	-0.05	0.03	4.1
S	L	54771	SR	0.19	0.17	-0.03	0.04	-0.04	0.17	4.0
<b>Mean</b>				0.38	0.35	0.06	-0.02	-0.04	0.03	8.3
<b>SD</b>				0.19	0.15	0.23	0.18	0.20	0.21	10.6

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.A14** Item Statistics, Operational Items: MD HSA Biology—April 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	O	52403	SR	0.70	0.36	-0.17	-0.19	-0.19	0.36	0.2
S	O	68216	SR	0.57	0.28	0.28	-0.16	-0.12	-0.11	0.2
S	O	68162	CR	0.25	0.58					11.4
S	O	108545	SR	0.39	0.33	-0.14	-0.19	-0.07	0.33	0.3
S	O	52734	SR	0.36	0.24	0.24	-0.18	-0.05	-0.11	0.2
S	O	53708	SR	0.40	0.33	-0.16	-0.09	-0.18	0.33	0.7
S	O	53709	SR	0.24	0.14	0.05	0.14	-0.06	-0.14	0.6
S	O	108662	CR	0.18	0.65					22.3
S	O	52592	SR	0.44	0.21	-0.04	-0.21	0.21	-0.02	0.6
S	O	52593	SR	0.46	0.33	0.33	-0.20	-0.20	-0.03	0.8
S	O	79499	SR	0.70	0.32	-0.18	-0.15	0.32	-0.14	0.7
S	O	57027	SR	0.42	0.32	0.32	-0.12	-0.16	-0.10	0.8
S	O	52600	SR	0.25	0.24	0.24	-0.17	-0.11	0.01	0.8
S	O	79418	SR	0.48	0.34	0.34	-0.19	-0.14	-0.09	1.0
S	O	52736	CR	0.10	0.59					30.5
S	O	55253	SR	0.24	0.21	0.21	-0.05	-0.09	-0.03	1.0
S	O	108592	SR	0.64	0.44	-0.18	-0.19	-0.23	0.44	1.1
S	O	52505	SR	0.31	0.26	-0.03	0.26	-0.13	-0.11	1.3
S	O	52506	SR	0.23	0.26	-0.05	-0.16	-0.03	0.26	1.3
S	O	57029	SR	0.31	0.19	0.19	-0.12	-0.02	-0.03	1.4
S	O	52552	SR	0.29	0.31	-0.12	-0.06	-0.11	0.31	1.7
S	O	56977	CR	0.14	0.61					30.6
S	O	54998	SR	0.46	0.32	0.32	-0.16	-0.09	-0.09	1.8
S	O	54999	SR	0.29	0.22	0.22	-0.03	-0.09	-0.08	1.8
S	O	108569	SR	0.77	0.41	0.41	-0.23	-0.22	-0.13	2.2
S	O	52518	SR	0.22	0.24	0.24	-0.14	-0.06	0.02	2.3
S	O	55012	SR	0.33	0.25	0.25	-0.10	-0.02	-0.14	2.3
S	O	55007	SR	0.42	0.20	0.01	0.20	-0.19	-0.14	0.5
S	O	52408	SR	0.42	0.25	-0.15	-0.13	0.25	-0.02	0.7
S	O	79322	SR	0.24	0.17	0.17	-0.02	-0.07	-0.07	0.8
S	O	79323	SR	0.26	0.25	-0.10	-0.08	-0.06	0.25	0.7
S	O	67686	CR	0.21	0.58					17.2
S	O	79316	SR	0.53	0.37	-0.16	-0.20	-0.14	0.37	0.8
S	O	79317	SR	0.49	0.39	-0.19	-0.21	0.39	-0.08	1.0
S	O	53488	SR	0.56	0.33	-0.17	-0.16	0.33	-0.10	1.1
S	O	53508	SR	0.50	0.41	0.41	-0.21	-0.18	-0.15	1.0
S	O	55078	SR	0.64	0.43	-0.20	-0.24	-0.17	0.43	1.0
S	O	67577	SR	0.26	0.09	-0.03	0.09	-0.03	0.03	1.4
S	O	64990	SR	0.73	0.36	0.36	-0.18	-0.26	-0.09	1.1
S	O	79466	SR	0.59	0.30	-0.06	0.30	-0.22	-0.10	1.1
S	O	57120	SR	0.45	0.42	-0.16	-0.16	-0.17	0.42	1.5
S	O	57121	SR	0.33	0.30	0.30	-0.12	-0.05	-0.14	1.3
S	O	57122	SR	0.39	0.25	-0.02	0.25	-0.11	-0.13	1.4



**Table 1.A14** Item Statistics, Operational Items: MD HSA Biology—April 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	O	67591	CR	0.09	0.55					34.6
S	O	64728	SR	0.43	0.34	0.34	-0.12	-0.21	-0.06	1.4
S	O	57130	SR	0.51	0.46	0.46	-0.22	-0.23	-0.14	1.4
S	O	57131	SR	0.46	0.34	-0.19	0.34	-0.16	-0.03	1.5
S	O	108546	SR	0.30	0.28	-0.08	0.28	-0.08	-0.09	1.6
S	O	64717	SR	0.40	0.25	0.25	-0.16	-0.11	0.02	1.7
S	O	67639	SR	0.38	0.33	-0.13	0.33	-0.12	-0.08	1.7
S	O	67640	SR	0.45	0.26	-0.02	-0.21	0.26	-0.05	1.7
S	O	67642	SR	0.40	0.29	-0.14	-0.12	0.29	-0.04	1.5
S	O	67573	CR	0.22	0.62					21.0
S	O	65063	SR	0.31	0.26	0.26	-0.01	-0.11	-0.13	2.9
S	O	108540	SR	0.45	0.34	-0.10	-0.16	0.34	-0.12	3.0
<b>Mean</b>				0.39	0.33	0.07	-0.07	-0.05	0.01	4.1
<b>SD</b>				0.16	0.12	0.21	0.16	0.17	0.18	8.1

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 English—April 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	O	130268	CR	0.49	0.53					4.4
S	O	130081	SR	0.63	0.23	-0.13	-0.10	0.23	-0.12	0.1
S	O	130082	SR	0.19	0.18	0.18	-0.10	-0.12	0.02	0.0
S	O	130083	SR	0.57	0.32	0.32	-0.13	-0.19	-0.14	0.1
S	O	130084	SR	0.71	0.36	-0.24	-0.18	0.36	-0.15	0.3
S	O	130085	SR	0.55	0.35	-0.19	-0.16	-0.16	0.35	0.1
S	O	96175	SR	0.72	0.39	-0.20	-0.25	-0.16	0.39	0.4
S	O	96176	SR	0.75	0.42	0.42	-0.24	-0.25	-0.17	0.2
S	O	96177	SR	0.65	0.31	-0.27	0.31	-0.22	-0.02	0.4
S	O	96178	SR	0.51	0.39	-0.22	0.39	-0.19	-0.17	0.3
S	O	96179	SR	0.51	0.34	-0.15	-0.23	-0.09	0.34	0.3
S	O	96180	SR	0.58	0.38	-0.13	-0.24	-0.22	0.38	0.2
S	O	96181	SR	0.51	0.31	-0.09	0.31	-0.24	-0.12	0.2
S	O	108850	SR	0.48	0.30	-0.22	-0.12	0.30	-0.04	0.9
S	O	108851	SR	0.50	0.29	-0.10	0.29	-0.27	-0.03	1.1
S	O	108854	SR	0.55	0.30	-0.16	-0.19	0.30	-0.06	1.1
S	O	130250	SR	0.61	0.39	-0.18	-0.17	-0.18	0.39	1.3
S	O	108855	CR	0.34	0.65					15.3
S	O	108685	CR	0.43	0.57					7.1
S	O	96027	SR	0.36	0.27	-0.16	-0.17	-0.03	0.27	0.2
S	O	96028	SR	0.50	0.33	0.33	-0.12	-0.17	-0.16	0.4
S	O	96029	SR	0.29	0.19	0.19	-0.12	-0.09	0.03	0.4
S	O	96147	SR	0.67	0.43	0.43	-0.16	-0.26	-0.20	0.7
S	O	96148	SR	0.65	0.39	-0.19	-0.20	0.39	-0.16	0.7
S	O	96149	SR	0.49	0.41	0.41	-0.16	-0.25	-0.12	0.6
S	O	96150	SR	0.33	0.24	-0.03	-0.07	-0.15	0.24	0.6
S	O	130955	SR	0.42	0.22	0.22	-0.01	-0.22	-0.09	0.4
S	O	132497	SR	0.57	0.34	-0.21	-0.12	0.34	-0.18	0.4
S	O	130956	SR	0.19	0.06	0.06	-0.13	-0.03	0.11	0.5
S	O	130971	SR	0.52	0.46	-0.20	-0.22	-0.19	0.46	0.6
S	O	130972	SR	0.56	0.41	-0.21	-0.18	-0.17	0.41	0.5
S	O	130973	SR	0.25	0.10	-0.12	0.10	0.11	-0.13	0.6
S	O	130200	SR	0.43	0.30	0.30	-0.04	-0.23	-0.18	0.6
S	O	130974	SR	0.64	0.42	0.42	-0.25	-0.20	-0.16	0.6
S	O	130975	SR	0.32	0.20	0.01	0.20	-0.19	-0.02	0.6
S	O	130976	CR	0.39	0.65					17.6
S	O	108712	SR	0.52	0.21	0.21	-0.08	-0.22	0.00	0.9
S	O	108713	SR	0.49	0.30	-0.11	-0.16	0.30	-0.07	0.9
S	O	108714	SR	0.38	0.16	-0.01	-0.09	0.16	-0.05	0.9
S	O	109730	SR	0.43	0.35	-0.14	-0.11	0.35	-0.17	1.0
S	O	109731	SR	0.42	0.37	-0.12	-0.13	-0.18	0.37	1.2
S	O	130289	SR	0.49	0.42	0.42	-0.18	-0.16	-0.20	0.9
S	O	130291	SR	0.39	0.23	-0.10	0.23	-0.11	-0.02	1.0

**Table 1.A15** Item Statistics, Operational Items: MD HSA English—April 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	O	96387	SR	0.43	0.27	-0.14	-0.06	0.27	-0.12	1.7
S	O	130265	SR	0.27	0.14	0.00	-0.02	0.14	-0.13	1.6
S	O	108811	SR	0.49	0.25	-0.03	-0.12	0.25	-0.17	2.3
S	O	108812	SR	0.29	0.18	-0.10	-0.04	0.18	-0.02	2.3
S	O	108813	SR	0.28	0.11	-0.05	0.11	-0.05	0.03	2.4
S	O	108817	SR	0.43	0.30	-0.14	0.30	-0.09	-0.12	2.5
S	O	108818	SR	0.40	0.33	-0.19	-0.09	-0.11	0.33	2.5
<b>Mean</b>				0.47	0.32	-0.01	-0.06	-0.04	0.01	1.6
<b>SD</b>				0.14	0.13	0.22	0.17	0.21	0.21	3.3

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.A16** Item Statistics, Operational Items: MD HSA Government—April 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	O	68093	SR	0.90	0.21	-0.09	0.21	-0.17	-0.08	0.0
S	O	55545	SR	0.44	0.47	-0.27	-0.18	-0.21	0.47	0.1
S	O	58100	SR	0.51	0.31	-0.10	-0.15	0.31	-0.18	0.4
S	O	51766	SR	0.40	0.31	-0.06	-0.17	0.31	-0.13	0.5
S	O	50993	SR	0.53	0.27	0.27	-0.16	-0.19	-0.03	0.2
S	O	68735	CR	0.33	0.58					9.1
S	O	59843	SR	0.30	0.28	-0.03	-0.20	0.28	-0.07	0.4
S	O	51210	SR	0.80	0.38	0.38	-0.20	-0.23	-0.17	0.4
S	O	51206	SR	0.49	0.45	0.45	-0.24	-0.18	-0.17	0.4
S	O	60432	CR	0.31	0.68					10.9
S	O	58142	SR	0.52	0.36	-0.17	0.36	-0.18	-0.12	0.6
S	O	79721	SR	0.29	0.23	0.02	-0.16	0.23	-0.09	0.8
S	O	68668	SR	0.22	0.20	0.20	-0.10	-0.10	0.05	0.9
S	O	55704	SR	0.54	0.43	-0.21	0.43	-0.23	-0.13	0.9
S	O	68617	SR	0.51	0.38	-0.16	-0.19	0.38	-0.17	1.3
S	O	55550	CR	0.25	0.75					17.5
S	O	108460	SR	0.59	0.26	-0.06	-0.22	0.26	-0.04	1.1
S	O	79605	SR	0.63	0.37	0.37	-0.18	-0.20	-0.16	1.0
S	O	55503	SR	0.29	0.32	-0.05	-0.19	0.32	-0.06	1.2
S	O	51145	SR	0.20	0.20	0.20	-0.16	-0.19	0.17	1.6
S	O	68558	SR	0.32	0.44	-0.15	-0.12	-0.20	0.44	1.2
S	O	51063	SR	0.59	0.49	0.49	-0.20	-0.27	-0.19	1.6
S	O	51230	CR	0.14	0.75					33.3
S	O	55471	SR	0.29	0.39	0.39	-0.10	-0.21	-0.07	2.2
S	O	68630	SR	0.83	0.38	-0.20	-0.19	-0.17	0.38	2.3
S	O	68631	SR	0.44	0.44	0.44	-0.20	-0.22	-0.12	2.3
S	O	51150	SR	0.58	0.49	-0.19	-0.24	-0.22	0.49	2.6
S	O	58113	SR	0.26	0.50	-0.18	-0.18	-0.12	0.50	2.9
S	O	68648	SR	0.61	0.48	-0.16	-0.23	-0.27	0.48	1.3
S	O	53648	SR	0.38	0.42	0.42	-0.20	-0.16	-0.11	1.9
S	O	51735	SR	0.47	0.47	-0.20	0.47	-0.21	-0.17	1.5
S	O	55715	SR	0.65	0.51	-0.22	-0.22	-0.26	0.51	1.2
S	O	55576	CR	0.24	0.70					18.1
S	O	108467	SR	0.40	0.32	0.32	-0.14	-0.10	-0.12	2.1
S	O	51020	SR	0.45	0.42	-0.13	-0.21	0.42	-0.15	2.1
S	O	68516	SR	0.71	0.44	-0.16	0.44	-0.23	-0.21	2.1
S	O	51181	SR	0.38	0.37	-0.08	-0.23	0.37	-0.16	2.2
S	O	64968	SR	0.42	0.33	0.33	-0.12	-0.08	-0.15	2.4
S	O	68655	SR	0.49	0.32	-0.17	0.32	-0.02	-0.18	2.2
S	O	68519	CR	0.11	0.70					23.4
S	O	51809	SR	0.72	0.42	-0.17	-0.25	0.42	-0.17	1.4
S	O	68597	SR	0.46	0.32	0.32	-0.19	-0.12	-0.04	1.4
S	O	60457	SR	0.39	0.39	-0.10	-0.18	0.39	-0.15	1.7

**Table 1.A16** Item Statistics, Operational Items: MD HSA Government—April 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
S	O	65198	SR	0.45	0.45	-0.23	-0.20	-0.12	0.45	1.6
S	O	60454	SR	0.42	0.37	-0.10	0.37	-0.20	-0.09	1.7
S	O	64807	SR	0.47	0.40	-0.17	-0.23	0.40	-0.08	1.6
S	O	58229	SR	0.43	0.46	0.46	-0.22	-0.15	-0.16	1.7
S	O	55662	CR	0.05	0.65					30.6
S	O	65203	SR	0.22	0.46	-0.13	-0.16	-0.10	0.46	2.5
S	O	52206	SR	0.36	0.47	-0.09	-0.20	-0.19	0.47	3.1
S	O	68665	SR	0.48	0.48	-0.15	-0.17	-0.23	0.48	3.5
S	O	50980	CR	0.24	0.73					21.7
S	O	58359	SR	0.55	0.53	-0.21	-0.22	-0.23	0.53	2.5
S	O	65197	SR	0.64	0.48	0.48	-0.24	-0.24	-0.14	2.6
S	O	51761	SR	0.44	0.48	-0.20	0.48	-0.17	-0.16	2.8
S	O	64978	SR	0.15	0.24	0.24	0.00	-0.12	0.02	2.8
S	O	58394	SR	0.40	0.41	-0.13	0.41	-0.16	-0.14	2.9
S	O	55711	SR	0.31	0.47	-0.14	-0.21	-0.09	0.47	2.9
<b>Mean</b>				0.43	0.43	0.02	-0.08	-0.05	0.04	4.3
<b>SD</b>				0.18	0.14	0.25	0.23	0.23	0.27	7.3

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.A17** Item Statistics, Operational Items: MD HSA Algebra—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	O	54764	SR	0.75	0.53	-0.37	-0.21	-0.24	0.53	0.1
C-N	L	255110	SR	0.70	0.42	-0.25	0.42	-0.24	-0.15	0.6
C-N	O	43163	SR	0.76	0.39	-0.14	-0.20	-0.26	0.39	0.1
C-N	L	79021	SR	0.40	0.37	0.37	-0.21	-0.17	-0.06	0.5
C-N	L	56385	SR	0.72	0.54	-0.27	-0.23	-0.35	0.54	0.3
C-N	L	54851	SPR	0.46	0.50	0.50	-0.38			7.0
C-N	L	133389	SPR	0.39	0.50	0.50	-0.40			8.1
C-N	O	79117	SR	0.22	0.30	-0.20	0.30	-0.06	-0.04	0.1
C-N	O	135121	SR	0.40	0.31	-0.06	-0.20	0.31	-0.19	0.4
C-N	L	133411	SR	0.44	0.39	0.39	-0.15	-0.18	-0.17	0.4
C-N	L	51423	SR	0.51	0.40	0.40	-0.15	-0.21	-0.20	0.2
C-N	L	136690	SR	0.24	0.41	-0.24	-0.23	0.05	0.41	0.3
C-N	O	223232	SPR	0.30	0.39	0.39	-0.33			2.4
C-N	L	255085	SPR	0.44	0.61	0.61	-0.50			5.6
C-N	O	54700	SR	0.55	0.35	-0.24	-0.23	0.35	-0.05	0.8
C-N	L	135110	SR	0.37	0.38	-0.02	-0.27	-0.18	0.38	1.0
C-N	L	79038	SR	0.49	0.34	-0.13	-0.20	0.34	-0.13	1.2
C-N	L	67534	SR	0.70	0.48	-0.28	-0.19	-0.24	0.48	1.2
C-N	L	136688	SR	0.66	0.35	-0.19	-0.21	0.35	-0.09	0.4
C-N	O	54806	SR	0.63	0.58	-0.34	-0.30	-0.20	0.58	0.2
C-N	L	67530	SR	0.55	0.40	0.40	-0.12	-0.22	-0.23	0.2
C-N	L	255073	SPR	0.26	0.48	0.48	-0.43			2.0
C-N	L	133403	SPR	0.24	0.50	0.50	-0.42			2.7
C-N	L	54621	SR	0.26	0.23	0.23	-0.16	0.06	-0.14	0.4
C-N	O	56783	SR	0.61	0.41	-0.13	-0.24	-0.27	0.41	0.3
C-N	L	54746	SR	0.74	0.54	-0.30	0.54	-0.34	-0.18	0.4
C-N	O	56733	SR	0.66	0.48	-0.27	-0.26	0.48	-0.19	0.3
C-N	O	51404	SR	0.82	0.36	-0.28	-0.17	0.36	-0.12	0.2
C-N	L	135101	SR	0.49	0.46	0.46	-0.14	-0.30	-0.16	0.5
C-N	O	106608	SPR	0.71	0.51	0.51	-0.44			3.9
C-N	L	51562	SR	0.70	0.49	-0.26	0.49	-0.32	-0.15	0.4
C-N	O	43139	SR	0.44	0.37	-0.24	-0.13	-0.22	0.37	0.4
C-N	L	79148	SR	0.68	0.53	0.53	-0.20	-0.32	-0.27	0.5
C-N	L	54823	SR	0.70	0.61	-0.25	-0.27	-0.38	0.61	0.5
C-N	L	255114	SR	0.42	0.41	-0.13	-0.29	0.41	-0.11	0.7
C-N	L	223436	SR	0.64	0.29	-0.14	0.29	-0.10	-0.21	0.2
C-N	O	67479	SR	0.66	0.32	-0.21	-0.18	-0.12	0.32	0.3
C-N	L	43221	SPR	0.44	0.66	0.66	-0.56			7.6
C-N	O	79078	SPR	0.75	0.46	0.46	-0.41			2.2
C-N	O	51521	SPR	0.70	0.64	0.64	-0.59			2.4
C-N	L	43158	SR	0.54	0.41	-0.19	-0.29	-0.17	0.41	0.3
C-N	O	67457	SR	0.59	0.58	-0.24	0.58	-0.30	-0.29	0.4
C-N	L	67484	SR	0.34	0.38	-0.14	-0.17	-0.28	0.38	0.2

**Table 1.A17** Item Statistics, Operational Items: MD HSA Algebra—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	O	43195	SR	0.75	0.37	-0.21	-0.20	0.37	-0.16	0.2
C-N	L	67417	SR	0.64	0.33	0.33	-0.24	-0.26	-0.01	0.3
C-N	O	51449	SR	0.62	0.46	-0.19	0.46	-0.27	-0.20	0.4
C-N	L	43201	SR	0.85	0.42	0.42	-0.23	-0.25	-0.19	0.4
C-N	O	56736	SR	0.70	0.35	-0.23	-0.21	0.35	-0.07	0.3
C-N	L	54723	SR	0.47	0.67	-0.49	-0.19	-0.18	0.67	0.3
C-N	L	56687	SR	0.78	0.56	-0.21	-0.31	0.56	-0.35	0.4
C-N	L	56465	SR	0.68	0.40	-0.23	0.40	-0.16	-0.20	0.5
C-N	O	56700	SR	0.80	0.50	-0.27	0.50	-0.29	-0.21	0.5
C-N	O	56506	SR	0.71	0.53	-0.22	-0.37	0.53	-0.19	0.5
<b>Mean</b>				0.57	0.45	0.02	-0.15	-0.06	0.04	1.2
<b>SD</b>				0.17	0.10	0.34	0.29	0.29	0.31	1.9

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 Algebra—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	O	67520	SR	0.71	0.47	0.47	-0.26	-0.27	-0.20	0.2
X	L	255110	SR	0.70	0.42	-0.25	0.42	-0.24	-0.15	0.6
X	O	223234	SR	0.56	0.39	-0.21	-0.15	-0.18	0.39	0.2
X	L	79021	SR	0.40	0.37	0.37	-0.21	-0.17	-0.06	0.5
X	L	56385	SR	0.72	0.54	-0.27	-0.23	-0.35	0.54	0.3
X	L	54851	SPR	0.46	0.50	0.50	-0.38			7.0
X	L	133389	SPR	0.39	0.50	0.50	-0.40			8.1
X	O	132837	SR	0.61	0.36	-0.09	-0.16	0.36	-0.26	0.3
X	O	135121	SR	0.40	0.31	-0.06	-0.20	0.31	-0.19	0.4
X	L	133411	SR	0.44	0.39	0.39	-0.15	-0.18	-0.17	0.4
X	L	51423	SR	0.51	0.40	0.40	-0.15	-0.21	-0.20	0.2
X	L	136690	SR	0.24	0.41	-0.24	-0.23	0.05	0.41	0.3
X	O	135096	SPR	0.20	0.30	0.30	-0.17			5.7
X	L	255085	SPR	0.44	0.61	0.61	-0.50			5.6
X	O	54700	SR	0.55	0.35	-0.24	-0.23	0.35	-0.05	0.8
X	L	135110	SR	0.37	0.38	-0.02	-0.27	-0.18	0.38	1.0
X	L	79038	SR	0.49	0.34	-0.13	-0.20	0.34	-0.13	1.2
X	L	67534	SR	0.70	0.48	-0.28	-0.19	-0.24	0.48	1.2
X	L	136688	SR	0.66	0.35	-0.19	-0.21	0.35	-0.09	0.4
X	O	54806	SR	0.63	0.58	-0.34	-0.30	-0.20	0.58	0.2
X	L	67530	SR	0.55	0.40	0.40	-0.12	-0.22	-0.23	0.2
X	L	255073	SPR	0.26	0.48	0.48	-0.43			2.0
X	L	133403	SPR	0.24	0.50	0.50	-0.42			2.7
X	L	54621	SR	0.26	0.23	0.23	-0.16	0.06	-0.14	0.4
X	O	56783	SR	0.61	0.41	-0.13	-0.24	-0.27	0.41	0.3
X	L	54746	SR	0.74	0.54	-0.30	0.54	-0.34	-0.18	0.4
X	O	79066	SR	0.43	0.38	-0.04	-0.29	0.38	-0.17	1.2
X	O	51404	SR	0.82	0.36	-0.28	-0.17	0.36	-0.12	0.2
X	L	135101	SR	0.49	0.46	0.46	-0.14	-0.30	-0.16	0.5
X	O	106608	SPR	0.71	0.51	0.51	-0.44			3.9
X	L	51562	SR	0.70	0.49	-0.26	0.49	-0.32	-0.15	0.4
X	O	67544	SR	0.49	0.66	-0.30	-0.25	-0.30	0.66	0.9
X	L	79148	SR	0.68	0.53	0.53	-0.20	-0.32	-0.27	0.5
X	L	54823	SR	0.70	0.61	-0.25	-0.27	-0.38	0.61	0.5
X	L	255114	SR	0.42	0.41	-0.13	-0.29	0.41	-0.11	0.7
X	L	223436	SR	0.64	0.29	-0.14	0.29	-0.10	-0.21	0.2
X	O	67479	SR	0.66	0.32	-0.21	-0.18	-0.12	0.32	0.3
X	L	43221	SPR	0.44	0.66	0.66	-0.56			7.6
X	O	79078	SPR	0.75	0.46	0.46	-0.41			2.2
X	O	132840	SPR	0.59	0.62	0.62	-0.51			5.8
X	L	43158	SR	0.54	0.41	-0.19	-0.29	-0.17	0.41	0.3
X	O	50443	SR	0.48	0.46	-0.12	-0.27	0.46	-0.17	1.0
X	L	67484	SR	0.34	0.38	-0.14	-0.17	-0.28	0.38	0.2



**Table 1.A18** Item Statistics, Operational Items: MD HSA Algebra—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	O	51576	SR	0.44	0.54	-0.27	0.54	-0.20	-0.19	1.0
X	L	67417	SR	0.64	0.33	0.33	-0.24	-0.26	-0.01	0.3
X	O	79146	SR	0.47	0.44	-0.17	0.44	-0.20	-0.17	1.2
X	L	43201	SR	0.85	0.42	0.42	-0.23	-0.25	-0.19	0.4
X	O	56736	SR	0.70	0.35	-0.23	-0.21	0.35	-0.07	0.3
X	L	54723	SR	0.47	0.67	-0.49	-0.19	-0.18	0.67	0.3
X	L	56687	SR	0.78	0.56	-0.21	-0.31	0.56	-0.35	0.4
X	L	56465	SR	0.68	0.40	-0.23	0.40	-0.16	-0.20	0.5
X	O	56700	SR	0.80	0.50	-0.27	0.50	-0.29	-0.21	0.5
X	O	54815	SR	0.62	0.36	0.36	-0.18	-0.19	-0.16	1.0
<b>Mean</b>				0.55	0.45	0.05	-0.15	-0.06	0.03	1.4
<b>SD</b>				0.16	0.10	0.34	0.28	0.28	0.31	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.A19** Item Statistics, Operational Items: MD HSA Algebra—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	O	54764	SR	0.75	0.53	-0.37	-0.21	-0.24	0.53	0.1
Y	L	255110	SR	0.70	0.42	-0.25	0.42	-0.24	-0.15	0.6
Y	O	43163	SR	0.76	0.39	-0.14	-0.20	-0.26	0.39	0.1
Y	L	79021	SR	0.40	0.37	0.37	-0.21	-0.17	-0.06	0.5
Y	L	56385	SR	0.72	0.54	-0.27	-0.23	-0.35	0.54	0.3
Y	L	54851	SPR	0.46	0.50	0.50	-0.38			7.0
Y	L	133389	SPR	0.39	0.50	0.50	-0.40			8.1
Y	O	79117	SR	0.22	0.30	-0.20	0.30	-0.06	-0.04	0.1
Y	O	135118	SR	0.62	0.65	-0.44	-0.31	0.65	-0.14	0.3
Y	L	133411	SR	0.44	0.39	0.39	-0.15	-0.18	-0.17	0.4
Y	L	51423	SR	0.51	0.40	0.40	-0.15	-0.21	-0.20	0.2
Y	L	136690	SR	0.24	0.41	-0.24	-0.23	0.05	0.41	0.3
Y	O	223232	SPR	0.30	0.39	0.39	-0.33			2.4
Y	L	255085	SPR	0.44	0.61	0.61	-0.50			5.6
Y	O	79534	SR	0.50	0.37	-0.09	0.37	-0.25	-0.17	1.0
Y	L	135110	SR	0.37	0.38	-0.02	-0.27	-0.18	0.38	1.0
Y	L	79038	SR	0.49	0.34	-0.13	-0.20	0.34	-0.13	1.2
Y	L	67534	SR	0.70	0.48	-0.28	-0.19	-0.24	0.48	1.2
Y	L	136688	SR	0.66	0.35	-0.19	-0.21	0.35	-0.09	0.4
Y	O	136691	SR	0.61	0.41	-0.28	-0.17	0.41	-0.15	0.4
Y	L	67530	SR	0.55	0.40	0.40	-0.12	-0.22	-0.23	0.2
Y	L	255073	SPR	0.26	0.48	0.48	-0.43			2.0
Y	L	133403	SPR	0.24	0.50	0.50	-0.42			2.7
Y	L	54621	SR	0.26	0.23	0.23	-0.16	0.06	-0.14	0.4
Y	O	56782	SR	0.65	0.66	0.66	-0.31	-0.43	-0.22	0.6
Y	L	54746	SR	0.74	0.54	-0.30	0.54	-0.34	-0.18	0.4
Y	O	56733	SR	0.66	0.48	-0.27	-0.26	0.48	-0.19	0.3
Y	O	52331	SR	0.55	0.34	-0.20	0.34	-0.25	-0.05	0.5
Y	L	135101	SR	0.49	0.46	0.46	-0.14	-0.30	-0.16	0.5
Y	O	79025	SPR	0.44	0.42	0.42	-0.36			2.5
Y	L	51562	SR	0.70	0.49	-0.26	0.49	-0.32	-0.15	0.4
Y	O	43139	SR	0.44	0.37	-0.24	-0.13	-0.22	0.37	0.4
Y	L	79148	SR	0.68	0.53	0.53	-0.20	-0.32	-0.27	0.5
Y	L	54823	SR	0.70	0.61	-0.25	-0.27	-0.38	0.61	0.5
Y	L	255114	SR	0.42	0.41	-0.13	-0.29	0.41	-0.11	0.7
Y	L	223436	SR	0.64	0.29	-0.14	0.29	-0.10	-0.21	0.2
Y	O	51367	SR	0.60	0.49	-0.18	-0.22	-0.28	0.49	0.8
Y	L	43221	SPR	0.44	0.66	0.66	-0.56			7.6
Y	O	79075	SPR	0.68	0.53	0.53	-0.46			2.7
Y	O	51521	SPR	0.70	0.64	0.64	-0.59			2.4
Y	L	43158	SR	0.54	0.41	-0.19	-0.29	-0.17	0.41	0.3
Y	O	67457	SR	0.59	0.58	-0.24	0.58	-0.30	-0.29	0.4
Y	L	67484	SR	0.34	0.38	-0.14	-0.17	-0.28	0.38	0.2

**Table 1.A19** Item Statistics, Operational Items: MD HSA Algebra—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	O	43195	SR	0.75	0.37	-0.21	-0.20	0.37	-0.16	0.2
Y	L	67417	SR	0.64	0.33	0.33	-0.24	-0.26	-0.01	0.3
Y	O	51449	SR	0.62	0.46	-0.19	0.46	-0.27	-0.20	0.4
Y	L	43201	SR	0.85	0.42	0.42	-0.23	-0.25	-0.19	0.4
Y	O	51578	SR	0.37	0.31	-0.05	-0.12	-0.22	0.31	1.0
Y	L	54723	SR	0.47	0.67	-0.49	-0.19	-0.18	0.67	0.3
Y	L	56687	SR	0.78	0.56	-0.21	-0.31	0.56	-0.35	0.4
Y	L	56465	SR	0.68	0.40	-0.23	0.40	-0.16	-0.20	0.5
Y	O	51368	SR	0.35	0.35	0.35	-0.14	-0.20	-0.03	1.2
Y	O	56506	SR	0.71	0.53	-0.22	-0.37	0.53	-0.19	0.5
<b>Mean</b>				0.54	0.45	0.05	-0.14	-0.08	0.03	1.2
<b>SD</b>				0.17	0.11	0.35	0.30	0.30	0.30	1.8

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.A20** Item Statistics, Operational Items: MD HSA Biology—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	L	251260	SR	0.66	0.48	-0.27	0.48	-0.27	-0.21	0.0
C-N	L	251261	SR	0.52	0.35	-0.14	0.35	-0.20	-0.16	0.1
C-N	L	56960	SR	0.55	0.21	0.21	-0.13	-0.16	-0.07	0.0
C-N	O	54992	SR	0.56	0.25	-0.08	-0.17	0.25	-0.10	0.0
C-N	L	256550	SR	0.29	0.46	-0.12	0.46	-0.29	-0.09	0.0
C-N	L	256536	SR	0.78	0.40	0.40	-0.21	-0.25	-0.17	0.1
C-N	O	79420	SR	0.33	0.25	0.25	-0.15	-0.17	0.05	0.1
C-N	L	57063	SR	0.42	0.33	-0.15	0.33	-0.17	-0.07	0.2
C-N	L	55107	SR	0.61	0.23	-0.13	0.23	-0.14	-0.16	0.1
C-N	O	135434	SR	0.58	0.50	-0.31	-0.26	0.50	-0.13	0.1
C-N	O	135436	SR	0.51	0.29	-0.06	-0.20	-0.14	0.29	0.2
C-N	L	68215	SR	0.38	0.32	-0.22	-0.26	0.32	0.07	0.1
C-N	O	52752	SR	0.53	0.48	-0.21	-0.23	0.48	-0.24	0.1
C-N	L	215953	SR	0.46	0.46	-0.24	-0.22	-0.20	0.46	0.2
C-N	L	215954	SR	0.66	0.32	0.32	-0.20	-0.11	-0.15	0.2
C-N	L	57023	SR	0.52	0.55	-0.11	-0.44	0.55	-0.14	0.1
C-N	O	79524	SR	0.85	0.42	-0.32	-0.17	-0.19	0.42	0.1
C-N	L	52562	SR	0.49	0.52	-0.30	-0.31	-0.12	0.52	0.1
C-N	L	256478	SR	0.51	0.42	-0.13	0.42	-0.23	-0.21	0.2
C-N	L	256476	SR	0.50	0.43	-0.23	-0.25	-0.18	0.43	0.2
C-N	O	55063	SR	0.55	0.41	-0.23	0.41	-0.17	-0.16	0.3
C-N	L	79491	SR	0.30	0.17	0.17	-0.21	0.10	-0.11	0.4
C-N	O	52669	SR	0.47	0.50	-0.17	-0.17	-0.30	0.50	0.4
C-N	O	55142	SR	0.72	0.46	-0.18	-0.25	-0.27	0.46	0.4
C-N	O	55143	SR	0.47	0.48	-0.21	0.48	-0.33	-0.12	0.4
C-N	L	52410	SR	0.41	0.47	-0.20	-0.22	-0.17	0.47	0.2
C-N	O	68280	SR	0.74	0.38	-0.17	-0.19	-0.23	0.38	0.1
C-N	O	68282	SR	0.70	0.32	0.32	-0.17	-0.17	-0.17	0.1
C-N	O	68289	SR	0.23	0.30	-0.17	0.30	0.12	-0.30	0.2
C-N	L	55207	SR	0.75	0.49	0.49	-0.30	-0.28	-0.19	0.1
C-N	L	218468	SR	0.56	0.36	-0.16	-0.12	0.36	-0.23	0.2
C-N	L	218478	SR	0.32	0.46	0.46	-0.20	-0.27	-0.11	0.1
C-N	L	133046	SR	0.55	0.47	0.47	-0.27	-0.23	-0.14	0.1
C-N	O	60528	SR	0.33	0.34	-0.15	-0.16	0.34	-0.10	0.2
C-N	L	65098	SR	0.80	0.33	-0.13	0.33	-0.24	-0.17	0.1
C-N	L	65097	SR	0.25	0.18	-0.15	-0.03	-0.01	0.18	0.2
C-N	O	55135	SR	0.51	0.44	-0.25	-0.24	0.44	-0.19	0.1
C-N	L	133054	SR	0.52	0.36	-0.07	-0.21	0.36	-0.28	0.1
C-N	O	67576	SR	0.44	0.40	0.40	-0.18	-0.22	-0.16	0.2
C-N	O	67577	SR	0.57	0.47	-0.18	0.47	-0.26	-0.21	0.2
C-N	O	79427	SR	0.30	0.29	0.29	-0.10	-0.23	-0.01	0.1
C-N	L	79449	SR	0.42	0.46	-0.07	0.46	-0.36	-0.15	0.2
C-N	L	215947	SR	0.74	0.32	-0.11	0.32	-0.25	-0.21	0.1

**Table 1.A20** Item Statistics, Operational Items: MD HSA Biology—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	L	215968	SR	0.46	0.41	-0.12	-0.22	0.41	-0.19	0.1
C-N	O	65131	SR	0.47	0.39	-0.16	-0.12	0.39	-0.24	0.2
C-N	L	260959	SR	0.73	0.38	-0.18	-0.20	0.38	-0.20	0.2
C-N	L	215978	SR	0.68	0.43	-0.25	0.43	-0.13	-0.27	0.2
C-N	L	133456	SR	0.42	0.35	-0.06	-0.21	-0.21	0.35	0.3
C-N	O	60554	SR	0.46	0.29	0.29	-0.28	-0.01	-0.11	0.3
C-N	L	65093	SR	0.57	0.38	-0.18	0.38	-0.20	-0.14	0.3
C-N	L	64997	SR	0.55	0.50	0.50	-0.22	-0.26	-0.21	0.3
C-N	O	64722	SR	0.73	0.45	-0.17	-0.31	0.45	-0.21	0.1
C-N	O	68302	SR	0.57	0.16	-0.16	-0.16	0.16	-0.05	0.1
C-N	L	256528	SR	0.79	0.47	0.47	-0.24	-0.28	-0.23	0.1
C-N	L	256530	SR	0.50	0.49	-0.20	-0.23	0.49	-0.24	0.1
C-N	L	108585	SR	0.40	0.40	-0.17	0.40	-0.23	-0.11	0.1
C-N	L	65066	SR	0.51	0.35	-0.13	-0.23	-0.13	0.35	0.1
C-N	O	65091	SR	0.60	0.27	0.27	-0.16	-0.11	-0.11	0.2
C-N	O	67616	SR	0.43	0.39	-0.02	-0.30	-0.24	0.39	0.2
C-N	O	67620	SR	0.54	0.56	-0.22	-0.29	-0.27	0.56	0.1
C-N	L	65056	SR	0.60	0.43	-0.31	0.43	-0.18	-0.17	0.2
C-N	L	79469	SR	0.35	0.43	-0.21	-0.27	-0.04	0.43	0.2
C-N	O	53509	SR	0.35	0.22	-0.11	0.22	-0.17	-0.15	0.1
C-N	L	67582	SR	0.39	0.33	-0.12	0.33	-0.16	-0.15	0.2
C-N	O	133038	SR	0.78	0.34	0.34	-0.24	-0.19	-0.10	0.2
C-N	O	133036	SR	0.36	0.36	0.36	-0.09	-0.28	-0.12	0.1
C-N	O	214532	SR	0.48	0.53	-0.26	-0.24	-0.25	0.53	0.2
C-N	L	256487	SR	0.42	0.52	-0.20	-0.28	0.52	-0.22	0.2
C-N	L	256485	SR	0.71	0.45	-0.22	0.45	-0.29	-0.19	0.2
C-N	L	256494	SR	0.55	0.44	-0.26	-0.23	0.44	-0.15	0.2
C-N	L	256496	SR	0.64	0.42	-0.28	-0.22	0.42	-0.16	0.2
C-N	L	256482	SR	0.62	0.46	0.46	-0.35	-0.26	-0.06	0.2
C-N	L	256483	SR	0.65	0.56	-0.23	-0.25	-0.35	0.56	0.2
C-N	O	223427	SR	0.82	0.41	-0.19	-0.30	0.41	-0.15	0.1
C-N	L	192082	SR	0.39	0.46	-0.08	0.46	-0.20	-0.27	0.2
C-N	L	57140	SR	0.40	0.28	0.28	-0.23	-0.22	0.05	0.2
<b>Mean</b>				0.53	0.39	-0.04	-0.05	-0.05	-0.02	0.2
<b>SD</b>				0.15	0.10	0.24	0.28	0.28	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.A21** Item Statistics, Operational Items: MD HSA Biology—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	L	251260	SR	0.66	0.48	-0.27	0.48	-0.27	-0.21	0.0
X	L	251261	SR	0.52	0.35	-0.14	0.35	-0.20	-0.16	0.1
X	L	56960	SR	0.55	0.21	0.21	-0.13	-0.16	-0.07	0.0
X	O	54992	SR	0.56	0.25	-0.08	-0.17	0.25	-0.10	0.0
X	L	256550	SR	0.29	0.46	-0.12	0.46	-0.29	-0.09	0.0
X	L	256536	SR	0.78	0.40	0.40	-0.21	-0.25	-0.17	0.1
X	O	68275	SR	0.41	0.46	-0.25	-0.10	0.46	-0.24	0.2
X	L	57063	SR	0.42	0.33	-0.15	0.33	-0.17	-0.07	0.2
X	L	55107	SR	0.61	0.23	-0.13	0.23	-0.14	-0.16	0.1
X	O	135434	SR	0.58	0.50	-0.31	-0.26	0.50	-0.13	0.1
X	O	135436	SR	0.51	0.29	-0.06	-0.20	-0.14	0.29	0.2
X	L	68215	SR	0.38	0.32	-0.22	-0.26	0.32	0.07	0.1
X	O	214554	SR	0.25	0.25	0.25	-0.27	-0.26	0.18	0.2
X	L	215953	SR	0.46	0.46	-0.24	-0.22	-0.20	0.46	0.2
X	L	215954	SR	0.66	0.32	0.32	-0.20	-0.11	-0.15	0.2
X	L	57023	SR	0.52	0.55	-0.11	-0.44	0.55	-0.14	0.1
X	O	79520	SR	0.47	0.40	-0.15	-0.14	-0.22	0.40	0.4
X	L	52562	SR	0.49	0.52	-0.30	-0.31	-0.12	0.52	0.1
X	L	256478	SR	0.51	0.42	-0.13	0.42	-0.23	-0.21	0.2
X	L	256476	SR	0.50	0.43	-0.23	-0.25	-0.18	0.43	0.2
X	O	55063	SR	0.55	0.41	-0.23	0.41	-0.17	-0.16	0.3
X	L	79491	SR	0.30	0.17	0.17	-0.21	0.10	-0.11	0.4
X	O	52669	SR	0.47	0.50	-0.17	-0.17	-0.30	0.50	0.4
X	O	55076	SR	0.59	0.38	-0.23	0.38	-0.18	-0.11	0.4
X	O	55141	SR	0.50	0.48	0.48	-0.19	-0.28	-0.17	0.4
X	L	52410	SR	0.41	0.47	-0.20	-0.22	-0.17	0.47	0.2
X	O	108677	SR	0.33	0.30	0.30	-0.12	-0.20	-0.02	0.4
X	O	108676	SR	0.44	0.25	0.25	0.08	-0.22	-0.21	0.4
X	O	68289	SR	0.23	0.30	-0.17	0.30	0.12	-0.30	0.2
X	L	55207	SR	0.75	0.49	0.49	-0.30	-0.28	-0.19	0.1
X	L	218468	SR	0.56	0.36	-0.16	-0.12	0.36	-0.23	0.2
X	L	218478	SR	0.32	0.46	0.46	-0.20	-0.27	-0.11	0.1
X	L	133046	SR	0.55	0.47	0.47	-0.27	-0.23	-0.14	0.1
X	O	60528	SR	0.33	0.34	-0.15	-0.16	0.34	-0.10	0.2
X	L	65098	SR	0.80	0.33	-0.13	0.33	-0.24	-0.17	0.1
X	L	65097	SR	0.25	0.18	-0.15	-0.03	-0.01	0.18	0.2
X	O	108597	SR	0.54	0.46	-0.21	0.46	-0.24	-0.21	0.2
X	L	133054	SR	0.52	0.36	-0.07	-0.21	0.36	-0.28	0.1
X	O	67576	SR	0.44	0.40	0.40	-0.18	-0.22	-0.16	0.2
X	O	67577	SR	0.57	0.47	-0.18	0.47	-0.26	-0.21	0.2
X	O	68148	SR	0.36	0.35	0.35	-0.04	-0.25	-0.12	0.4
X	L	79449	SR	0.42	0.46	-0.07	0.46	-0.36	-0.15	0.2
X	L	215947	SR	0.74	0.32	-0.11	0.32	-0.25	-0.21	0.1

**Table 1.A21** Item Statistics, Operational Items: MD HSA Biology—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	L	215968	SR	0.46	0.41	-0.12	-0.22	0.41	-0.19	0.1
X	O	67574	SR	0.53	0.49	0.49	-0.18	-0.31	-0.17	0.4
X	L	260959	SR	0.73	0.38	-0.18	-0.20	0.38	-0.20	0.2
X	L	215978	SR	0.68	0.43	-0.25	0.43	-0.13	-0.27	0.2
X	L	133456	SR	0.42	0.35	-0.06	-0.21	-0.21	0.35	0.3
X	O	60554	SR	0.46	0.29	0.29	-0.28	-0.01	-0.11	0.3
X	L	65093	SR	0.57	0.38	-0.18	0.38	-0.20	-0.14	0.3
X	L	64997	SR	0.55	0.50	0.50	-0.22	-0.26	-0.21	0.3
X	O	64722	SR	0.73	0.45	-0.17	-0.31	0.45	-0.21	0.1
X	O	68302	SR	0.57	0.16	-0.16	-0.16	0.16	-0.05	0.1
X	L	256528	SR	0.79	0.47	0.47	-0.24	-0.28	-0.23	0.1
X	L	256530	SR	0.50	0.49	-0.20	-0.23	0.49	-0.24	0.1
X	L	108585	SR	0.40	0.40	-0.17	0.40	-0.23	-0.11	0.1
X	L	65066	SR	0.51	0.35	-0.13	-0.23	-0.13	0.35	0.1
X	O	65128	SR	0.47	0.39	-0.10	0.39	-0.28	-0.13	0.4
X	O	67616	SR	0.43	0.39	-0.02	-0.30	-0.24	0.39	0.2
X	O	67620	SR	0.54	0.56	-0.22	-0.29	-0.27	0.56	0.1
X	L	65056	SR	0.60	0.43	-0.31	0.43	-0.18	-0.17	0.2
X	L	79469	SR	0.35	0.43	-0.21	-0.27	-0.04	0.43	0.2
X	O	60534	SR	0.65	0.28	-0.15	0.28	-0.14	-0.15	0.4
X	L	67582	SR	0.39	0.33	-0.12	0.33	-0.16	-0.15	0.2
X	O	108502	SR	0.61	0.50	0.50	-0.26	-0.25	-0.18	0.7
X	O	108497	SR	0.46	0.34	-0.11	-0.17	0.34	-0.15	0.6
X	O	214522	SR	0.31	0.42	-0.23	-0.06	-0.16	0.42	0.6
X	L	256487	SR	0.42	0.52	-0.20	-0.28	0.52	-0.22	0.2
X	L	256484	SR	0.38	0.18	-0.17	0.18	0.07	-0.14	0.5
X	L	256494	SR	0.55	0.44	-0.26	-0.23	0.44	-0.15	0.2
X	L	256496	SR	0.64	0.42	-0.28	-0.22	0.42	-0.16	0.2
X	L	256482	SR	0.62	0.46	0.46	-0.35	-0.26	-0.06	0.2
X	L	256483	SR	0.65	0.56	-0.23	-0.25	-0.35	0.56	0.2
X	O	223427	SR	0.82	0.41	-0.19	-0.30	0.41	-0.15	0.1
X	L	192082	SR	0.39	0.46	-0.08	0.46	-0.20	-0.27	0.2
X	L	57140	SR	0.40	0.28	0.28	-0.23	-0.22	0.05	0.2
<b>Mean</b>				0.51	0.39	-0.03	-0.03	-0.05	-0.04	0.2
<b>SD</b>				0.14	0.10	0.26	0.28	0.27	0.24	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.A22** Item Statistics, Operational Items: MD HSA Biology—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	L	251260	SR	0.66	0.48	-0.27	0.48	-0.27	-0.21	0.0
Y	L	251261	SR	0.52	0.35	-0.14	0.35	-0.20	-0.16	0.1
Y	L	56960	SR	0.55	0.21	0.21	-0.13	-0.16	-0.07	0.0
Y	O	54959	SR	0.50	0.43	-0.28	-0.17	0.43	-0.19	0.2
Y	L	256550	SR	0.29	0.46	-0.12	0.46	-0.29	-0.09	0.0
Y	L	256536	SR	0.78	0.40	0.40	-0.21	-0.25	-0.17	0.1
Y	O	79420	SR	0.33	0.25	0.25	-0.15	-0.17	0.05	0.1
Y	L	57063	SR	0.42	0.33	-0.15	0.33	-0.17	-0.07	0.2
Y	L	55107	SR	0.61	0.23	-0.13	0.23	-0.14	-0.16	0.1
Y	O	108499	SR	0.45	0.49	0.49	-0.34	-0.21	-0.13	0.2
Y	O	108495	SR	0.92	0.30	-0.19	0.30	-0.19	-0.13	0.2
Y	L	68215	SR	0.38	0.32	-0.22	-0.26	0.32	0.07	0.1
Y	O	52752	SR	0.53	0.48	-0.21	-0.23	0.48	-0.24	0.1
Y	L	215953	SR	0.46	0.46	-0.24	-0.22	-0.20	0.46	0.2
Y	L	215954	SR	0.66	0.32	0.32	-0.20	-0.11	-0.15	0.2
Y	L	57023	SR	0.52	0.55	-0.11	-0.44	0.55	-0.14	0.1
Y	O	79524	SR	0.85	0.42	-0.32	-0.17	-0.19	0.42	0.1
Y	L	52562	SR	0.49	0.52	-0.30	-0.31	-0.12	0.52	0.1
Y	L	256478	SR	0.51	0.42	-0.13	0.42	-0.23	-0.21	0.2
Y	L	256476	SR	0.50	0.43	-0.23	-0.25	-0.18	0.43	0.2
Y	O	133012	SR	0.38	0.31	-0.19	-0.25	0.31	0.06	0.3
Y	L	79491	SR	0.30	0.17	0.17	-0.21	0.10	-0.11	0.4
Y	O	79401	SR	0.48	0.35	-0.09	-0.25	0.35	-0.23	0.4
Y	O	55142	SR	0.72	0.46	-0.18	-0.25	-0.27	0.46	0.4
Y	O	55143	SR	0.47	0.48	-0.21	0.48	-0.33	-0.12	0.4
Y	L	52410	SR	0.41	0.47	-0.20	-0.22	-0.17	0.47	0.2
Y	O	68280	SR	0.74	0.38	-0.17	-0.19	-0.23	0.38	0.1
Y	O	68282	SR	0.70	0.32	0.32	-0.17	-0.17	-0.17	0.1
Y	O	52764	SR	0.44	0.31	-0.24	-0.03	0.31	-0.21	0.3
Y	L	55207	SR	0.75	0.49	0.49	-0.30	-0.28	-0.19	0.1
Y	L	218468	SR	0.56	0.36	-0.16	-0.12	0.36	-0.23	0.2
Y	L	218478	SR	0.32	0.46	0.46	-0.20	-0.27	-0.11	0.1
Y	L	133046	SR	0.55	0.47	0.47	-0.27	-0.23	-0.14	0.1
Y	O	67683	SR	0.57	0.41	-0.25	0.41	-0.23	-0.08	0.4
Y	L	65098	SR	0.80	0.33	-0.13	0.33	-0.24	-0.17	0.1
Y	L	65097	SR	0.25	0.18	-0.15	-0.03	-0.01	0.18	0.2
Y	O	55135	SR	0.51	0.44	-0.25	-0.24	0.44	-0.19	0.1
Y	L	133054	SR	0.52	0.36	-0.07	-0.21	0.36	-0.28	0.1
Y	O	68260	SR	0.56	0.51	-0.26	0.51	-0.23	-0.22	0.3
Y	O	68261	SR	0.57	0.45	-0.17	-0.30	0.45	-0.21	0.3
Y	O	79427	SR	0.30	0.29	0.29	-0.10	-0.23	-0.01	0.1
Y	L	79449	SR	0.42	0.46	-0.07	0.46	-0.36	-0.15	0.2
Y	L	215947	SR	0.74	0.32	-0.11	0.32	-0.25	-0.21	0.1



**Table 1.A22** Item Statistics, Operational Items: MD HSA Biology—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	L	215968	SR	0.46	0.41	-0.12	-0.22	0.41	-0.19	0.1
Y	O	65131	SR	0.47	0.39	-0.16	-0.12	0.39	-0.24	0.2
Y	L	260959	SR	0.73	0.38	-0.18	-0.20	0.38	-0.20	0.2
Y	L	215978	SR	0.68	0.43	-0.25	0.43	-0.13	-0.27	0.2
Y	L	133456	SR	0.42	0.35	-0.06	-0.21	-0.21	0.35	0.3
Y	O	64993	SR	0.33	0.23	-0.17	-0.10	0.23	0.02	0.5
Y	L	65093	SR	0.57	0.38	-0.18	0.38	-0.20	-0.14	0.3
Y	L	64997	SR	0.55	0.50	0.50	-0.22	-0.26	-0.21	0.3
Y	O	53475	SR	0.76	0.45	-0.18	0.45	-0.27	-0.24	0.2
Y	O	64984	SR	0.60	0.40	-0.24	-0.15	0.40	-0.24	0.2
Y	L	256528	SR	0.79	0.47	0.47	-0.24	-0.28	-0.23	0.1
Y	L	256530	SR	0.50	0.49	-0.20	-0.23	0.49	-0.24	0.1
Y	L	108585	SR	0.40	0.40	-0.17	0.40	-0.23	-0.11	0.1
Y	L	65066	SR	0.51	0.35	-0.13	-0.23	-0.13	0.35	0.1
Y	O	65091	SR	0.60	0.27	0.27	-0.16	-0.11	-0.11	0.2
Y	O	68155	SR	0.45	0.55	-0.17	-0.23	-0.31	0.55	0.4
Y	O	68156	SR	0.74	0.49	0.49	-0.28	-0.24	-0.25	0.2
Y	L	65056	SR	0.60	0.43	-0.31	0.43	-0.18	-0.17	0.2
Y	L	79469	SR	0.35	0.43	-0.21	-0.27	-0.04	0.43	0.2
Y	O	53509	SR	0.35	0.22	-0.11	0.22	-0.17	-0.15	0.1
Y	L	67582	SR	0.39	0.33	-0.12	0.33	-0.16	-0.15	0.2
Y	O	133038	SR	0.78	0.34	0.34	-0.24	-0.19	-0.10	0.2
Y	O	133036	SR	0.36	0.36	0.36	-0.09	-0.28	-0.12	0.1
Y	O	214532	SR	0.48	0.53	-0.26	-0.24	-0.25	0.53	0.2
Y	L	256487	SR	0.42	0.52	-0.20	-0.28	0.52	-0.22	0.2
Y	L	256484	SR	0.38	0.18	-0.17	0.18	0.07	-0.14	0.5
Y	L	256494	SR	0.55	0.44	-0.26	-0.23	0.44	-0.15	0.2
Y	L	256496	SR	0.64	0.42	-0.28	-0.22	0.42	-0.16	0.2
Y	L	256482	SR	0.62	0.46	0.46	-0.35	-0.26	-0.06	0.2
Y	L	256483	SR	0.65	0.56	-0.23	-0.25	-0.35	0.56	0.2
Y	O	52477	SR	0.73	0.30	0.30	-0.10	-0.23	-0.17	0.4
Y	L	192082	SR	0.39	0.46	-0.08	0.46	-0.20	-0.27	0.2
Y	L	57140	SR	0.40	0.28	0.28	-0.23	-0.22	0.05	0.2
<b>Mean</b>				0.53	0.39	-0.04	-0.04	-0.04	-0.04	0.2
<b>SD</b>				0.15	0.10	0.26	0.28	0.28	0.24	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.A23** Item Statistics, Operational Items: MD HSA English—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	L	130284	SR	0.39	0.36	-0.26	-0.11	0.36	-0.08	0.0
C-N	L	108931	SR	0.52	0.36	-0.27	-0.20	-0.04	0.36	0.1
C-N	L	108781	SR	0.43	0.22	0.22	-0.18	-0.06	-0.03	0.1
C-N	L	108928	SR	0.58	0.41	-0.17	0.41	-0.23	-0.19	0.1
C-N	L	108932	SR	0.43	0.43	-0.33	-0.09	0.43	-0.16	0.1
C-N	L	108929	SR	0.74	0.40	-0.25	-0.17	-0.23	0.40	0.1
C-N	O	256450	SR	0.64	0.36	-0.19	-0.08	-0.27	0.36	0.0
C-N	O	256451	SR	0.74	0.30	0.30	-0.18	-0.10	-0.19	0.1
C-N	O	256452	SR	0.91	0.41	-0.21	-0.25	0.41	-0.24	0.0
C-N	O	251142	SR	0.77	0.46	-0.24	-0.25	0.46	-0.24	0.2
C-N	O	251159	SR	0.80	0.48	0.48	-0.28	-0.27	-0.22	0.2
C-N	O	251153	SR	0.70	0.46	-0.17	-0.29	0.46	-0.23	0.3
C-N	O	95560	SR	0.64	0.44	-0.17	-0.23	-0.25	0.44	0.4
C-N	O	95561	SR	0.82	0.46	-0.24	0.46	-0.24	-0.24	0.4
C-N	O	95562	SR	0.70	0.49	-0.28	-0.18	0.49	-0.27	0.5
C-N	O	95564	SR	0.39	0.43	0.43	-0.26	-0.19	-0.13	0.5
C-N	O	130217	SR	0.51	0.31	-0.02	0.31	-0.31	-0.10	0.1
C-N	O	130218	SR	0.48	0.43	-0.23	-0.18	0.43	-0.20	0.2
C-N	O	130219	SR	0.79	0.42	-0.29	-0.17	0.42	-0.20	0.1
C-N	O	130222	SR	0.71	0.24	-0.13	-0.09	0.24	-0.20	0.1
C-N	O	130220	SR	0.74	0.51	-0.27	0.51	-0.33	-0.20	0.1
C-N	O	130221	SR	0.80	0.47	-0.24	0.47	-0.25	-0.28	0.1
C-N	O	130226	SR	0.68	0.50	-0.35	-0.21	0.50	-0.18	0.1
C-N	L	130096	SR	0.80	0.44	-0.21	0.44	-0.28	-0.22	0.1
C-N	L	130097	SR	0.54	0.39	0.39	-0.14	-0.10	-0.28	0.1
C-N	L	130306	SR	0.83	0.39	-0.20	0.39	-0.19	-0.23	0.1
C-N	L	130099	SR	0.65	0.27	-0.18	-0.17	-0.10	0.27	0.1
C-N	L	130100	SR	0.75	0.55	0.55	-0.31	-0.33	-0.22	0.1
C-N	L	130101	SR	0.87	0.36	0.36	-0.25	-0.21	-0.12	0.1
C-N	L	130237	SR	0.70	0.45	-0.17	-0.31	-0.25	0.45	0.2
C-N	L	130303	SR	0.83	0.46	-0.25	0.46	-0.26	-0.24	0.2
C-N	L	214651	SR	0.56	0.42	-0.09	0.42	-0.33	-0.16	0.2
C-N	L	214648	SR	0.63	0.50	0.50	-0.35	-0.22	-0.16	0.2
C-N	L	214652	SR	0.64	0.46	-0.13	0.46	-0.33	-0.26	0.3
C-N	L	214650	SR	0.55	0.48	0.48	-0.25	-0.24	-0.20	0.3
C-N	L	214654	SR	0.63	0.48	-0.22	-0.24	-0.24	0.48	0.3
C-N	O	130049	SR	0.69	0.45	0.45	-0.27	-0.31	-0.13	0.3
C-N	O	130262	SR	0.68	0.38	-0.22	-0.16	0.38	-0.20	0.3
C-N	O	96269	SR	0.62	0.53	0.53	-0.26	-0.32	-0.18	0.4
C-N	O	248197	SR	0.81	0.40	-0.18	-0.25	0.40	-0.24	0.1
C-N	O	248196	SR	0.50	0.36	-0.22	-0.17	-0.11	0.36	0.1
C-N	O	248198	SR	0.73	0.42	0.42	-0.22	-0.24	-0.20	0.1
C-N	L	95644	SR	0.60	0.47	-0.17	-0.23	-0.25	0.47	0.1

**Table 1.A23** Item Statistics, Operational Items: MD HSA English—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	L	95645	SR	0.60	0.37	-0.18	-0.24	0.37	-0.19	0.2
C-N	L	95646	SR	0.61	0.44	-0.19	-0.28	-0.18	0.44	0.1
C-N	L	95647	SR	0.59	0.44	-0.09	-0.21	-0.32	0.44	0.1
C-N	L	95648	SR	0.77	0.34	-0.25	-0.14	0.34	-0.24	0.1
C-N	L	95649	SR	0.85	0.44	0.44	-0.23	-0.27	-0.24	0.1
C-N	L	95650	SR	0.62	0.31	0.31	-0.15	-0.25	-0.19	0.2
C-N	L	95651	SR	0.68	0.54	-0.34	-0.27	0.54	-0.20	0.1
C-N	L	95654	SR	0.74	0.43	-0.27	0.43	-0.24	-0.19	0.1
C-N	L	95653	SR	0.72	0.45	-0.23	-0.27	-0.20	0.45	0.1
C-N	L	214695	SR	0.56	0.45	-0.15	0.45	-0.28	-0.21	0.2
C-N	L	256289	SR	0.82	0.47	-0.24	0.47	-0.29	-0.24	0.2
C-N	L	214694	SR	0.82	0.45	-0.23	-0.27	0.45	-0.21	0.1
C-N	L	214692	SR	0.45	0.41	-0.23	-0.21	0.41	-0.08	0.3
C-N	L	214693	SR	0.79	0.52	-0.25	0.52	-0.30	-0.28	0.2
C-N	L	214696	SR	0.81	0.42	-0.24	0.42	-0.25	-0.22	0.2
C-N	O	108758	SR	0.43	0.40	-0.10	0.40	-0.20	-0.19	0.2
C-N	O	108759	SR	0.60	0.36	-0.22	-0.12	-0.19	0.36	0.2
<b>Mean</b>				0.67	0.42	-0.06	-0.04	-0.05	-0.07	0.2
<b>SD</b>				0.13	0.07	0.28	0.30	0.30	0.26	0.1

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.A24** Item Statistics, Operational Items: MD HSA English—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	L	130284	SR	0.39	0.36	-0.26	-0.11	0.36	-0.08	0.0
X	L	108931	SR	0.52	0.36	-0.27	-0.20	-0.04	0.36	0.1
X	L	108781	SR	0.43	0.22	0.22	-0.18	-0.06	-0.03	0.1
X	L	108928	SR	0.58	0.41	-0.17	0.41	-0.23	-0.19	0.1
X	L	108932	SR	0.43	0.43	-0.33	-0.09	0.43	-0.16	0.1
X	L	108929	SR	0.74	0.40	-0.25	-0.17	-0.23	0.40	0.1
X	O	256440	SR	0.66	0.48	-0.23	-0.28	0.48	-0.21	0.2
X	O	256441	SR	0.62	0.49	-0.24	-0.27	-0.24	0.49	0.2
X	O	256442	SR	0.69	0.39	-0.18	0.39	-0.26	-0.18	0.2
X	O	251142	SR	0.77	0.46	-0.24	-0.25	0.46	-0.24	0.2
X	O	251159	SR	0.80	0.48	0.48	-0.28	-0.27	-0.22	0.2
X	O	251153	SR	0.70	0.46	-0.17	-0.29	0.46	-0.23	0.3
X	O	108912	SR	0.64	0.39	-0.11	-0.26	-0.22	0.39	0.4
X	O	108914	SR	0.45	0.30	-0.12	-0.11	-0.14	0.30	0.5
X	O	108913	SR	0.36	0.32	-0.20	-0.04	0.32	-0.17	0.6
X	O	130216	SR	0.44	0.35	0.35	-0.19	-0.13	-0.11	0.7
X	O	130217	SR	0.51	0.31	-0.02	0.31	-0.31	-0.10	0.1
X	O	130218	SR	0.48	0.43	-0.23	-0.18	0.43	-0.20	0.2
X	O	130219	SR	0.79	0.42	-0.29	-0.17	0.42	-0.20	0.1
X	O	130222	SR	0.71	0.24	-0.13	-0.09	0.24	-0.20	0.1
X	O	130220	SR	0.74	0.51	-0.27	0.51	-0.33	-0.20	0.1
X	O	130221	SR	0.80	0.47	-0.24	0.47	-0.25	-0.28	0.1
X	O	130226	SR	0.68	0.50	-0.35	-0.21	0.50	-0.18	0.1
X	L	130096	SR	0.80	0.44	-0.21	0.44	-0.28	-0.22	0.1
X	L	130097	SR	0.54	0.39	0.39	-0.14	-0.10	-0.28	0.1
X	L	130306	SR	0.83	0.39	-0.20	0.39	-0.19	-0.23	0.1
X	L	130099	SR	0.65	0.27	-0.18	-0.17	-0.10	0.27	0.1
X	L	130100	SR	0.75	0.55	0.55	-0.31	-0.33	-0.22	0.1
X	L	130101	SR	0.87	0.36	0.36	-0.25	-0.21	-0.12	0.1
X	L	130237	SR	0.70	0.45	-0.17	-0.31	-0.25	0.45	0.2
X	L	130303	SR	0.83	0.46	-0.25	0.46	-0.26	-0.24	0.2
X	L	214651	SR	0.56	0.42	-0.09	0.42	-0.33	-0.16	0.2
X	L	214648	SR	0.63	0.50	0.50	-0.35	-0.22	-0.16	0.2
X	L	214652	SR	0.64	0.46	-0.13	0.46	-0.33	-0.26	0.3
X	L	214650	SR	0.55	0.48	0.48	-0.25	-0.24	-0.20	0.3
X	L	214654	SR	0.63	0.48	-0.22	-0.24	-0.24	0.48	0.3
X	O	96384	SR	0.57	0.44	0.44	-0.10	-0.31	-0.24	0.7
X	O	130987	SR	0.64	0.50	-0.25	-0.22	-0.28	0.50	0.7
X	O	96105	SR	0.61	0.45	0.45	-0.26	-0.20	-0.21	0.7
X	O	248197	SR	0.81	0.40	-0.18	-0.25	0.40	-0.24	0.1
X	O	248196	SR	0.50	0.36	-0.22	-0.17	-0.11	0.36	0.1
X	O	248198	SR	0.73	0.42	0.42	-0.22	-0.24	-0.20	0.1
X	L	95644	SR	0.60	0.47	-0.17	-0.23	-0.25	0.47	0.1

**Table 1.A24** Item Statistics, Operational Items: MD HSA English—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	L	95645	SR	0.60	0.37	-0.18	-0.24	0.37	-0.19	0.2
X	L	95646	SR	0.61	0.44	-0.19	-0.28	-0.18	0.44	0.1
X	L	95647	SR	0.59	0.44	-0.09	-0.21	-0.32	0.44	0.1
X	L	95648	SR	0.77	0.34	-0.25	-0.14	0.34	-0.24	0.1
X	L	95649	SR	0.85	0.44	0.44	-0.23	-0.27	-0.24	0.1
X	L	95650	SR	0.62	0.31	0.31	-0.15	-0.25	-0.19	0.2
X	L	95651	SR	0.68	0.54	-0.34	-0.27	0.54	-0.20	0.1
X	L	95654	SR	0.74	0.43	-0.27	0.43	-0.24	-0.19	0.1
X	L	95653	SR	0.72	0.45	-0.23	-0.27	-0.20	0.45	0.1
X	L	214695	SR	0.56	0.45	-0.15	0.45	-0.28	-0.21	0.2
X	L	256289	SR	0.82	0.47	-0.24	0.47	-0.29	-0.24	0.2
X	L	214694	SR	0.82	0.45	-0.23	-0.27	0.45	-0.21	0.1
X	L	214692	SR	0.45	0.41	-0.23	-0.21	0.41	-0.08	0.3
X	L	214693	SR	0.79	0.52	-0.25	0.52	-0.30	-0.28	0.2
X	L	214696	SR	0.81	0.42	-0.24	0.42	-0.25	-0.22	0.2
X	O	109092	SR	0.71	0.48	-0.27	-0.28	-0.18	0.48	0.6
X	O	109151	SR	0.62	0.32	-0.24	0.32	-0.12	-0.20	0.5
<b>Mean</b>				0.65	0.42	-0.08	-0.04	-0.06	-0.04	0.2
<b>SD</b>				0.13	0.07	0.27	0.29	0.30	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.A25** Item Statistics, Operational Items: MD HSA English—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	L	130284	SR	0.39	0.36	-0.26	-0.11	0.36	-0.08	0.0
Y	L	108931	SR	0.52	0.36	-0.27	-0.20	-0.04	0.36	0.1
Y	L	108781	SR	0.43	0.22	0.22	-0.18	-0.06	-0.03	0.1
Y	L	108928	SR	0.58	0.41	-0.17	0.41	-0.23	-0.19	0.1
Y	L	108932	SR	0.43	0.43	-0.33	-0.09	0.43	-0.16	0.1
Y	L	108929	SR	0.74	0.40	-0.25	-0.17	-0.23	0.40	0.1
Y	O	256450	SR	0.64	0.36	-0.19	-0.08	-0.27	0.36	0.0
Y	O	256451	SR	0.74	0.30	0.30	-0.18	-0.10	-0.19	0.1
Y	O	256452	SR	0.91	0.41	-0.21	-0.25	0.41	-0.24	0.0
Y	O	251150	SR	0.62	0.29	-0.17	-0.14	0.29	-0.11	0.2
Y	O	256295	SR	0.62	0.52	-0.27	-0.29	-0.21	0.52	0.2
Y	O	256299	SR	0.72	0.46	0.46	-0.26	-0.25	-0.23	0.2
Y	O	95560	SR	0.64	0.44	-0.17	-0.23	-0.25	0.44	0.4
Y	O	95561	SR	0.82	0.46	-0.24	0.46	-0.24	-0.24	0.4
Y	O	95562	SR	0.70	0.49	-0.28	-0.18	0.49	-0.27	0.5
Y	O	95564	SR	0.39	0.43	0.43	-0.26	-0.19	-0.13	0.5
Y	O	96082	SR	0.58	0.45	-0.22	0.45	-0.22	-0.18	0.4
Y	O	96083	SR	0.64	0.40	-0.19	0.40	-0.28	-0.15	0.3
Y	O	96085	SR	0.70	0.47	-0.35	-0.21	0.47	-0.15	0.1
Y	O	96086	SR	0.49	0.54	-0.33	-0.12	-0.27	0.54	0.1
Y	O	96087	SR	0.60	0.45	-0.20	0.45	-0.18	-0.29	0.3
Y	O	96089	SR	0.63	0.48	-0.19	-0.27	-0.27	0.48	0.3
Y	O	96090	SR	0.62	0.42	0.42	-0.15	-0.21	-0.23	0.3
Y	L	130096	SR	0.80	0.44	-0.21	0.44	-0.28	-0.22	0.1
Y	L	130097	SR	0.54	0.39	0.39	-0.14	-0.10	-0.28	0.1
Y	L	130306	SR	0.83	0.39	-0.20	0.39	-0.19	-0.23	0.1
Y	L	130099	SR	0.65	0.27	-0.18	-0.17	-0.10	0.27	0.1
Y	L	130100	SR	0.75	0.55	0.55	-0.31	-0.33	-0.22	0.1
Y	L	130101	SR	0.87	0.36	0.36	-0.25	-0.21	-0.12	0.1
Y	L	130237	SR	0.70	0.45	-0.17	-0.31	-0.25	0.45	0.2
Y	L	130303	SR	0.83	0.46	-0.25	0.46	-0.26	-0.24	0.2
Y	L	214651	SR	0.56	0.42	-0.09	0.42	-0.33	-0.16	0.2
Y	L	214648	SR	0.63	0.50	0.50	-0.35	-0.22	-0.16	0.2
Y	L	214652	SR	0.64	0.46	-0.13	0.46	-0.33	-0.26	0.3
Y	L	214650	SR	0.55	0.48	0.48	-0.25	-0.24	-0.20	0.3
Y	L	214654	SR	0.63	0.48	-0.22	-0.24	-0.24	0.48	0.3
Y	O	130049	SR	0.69	0.45	0.45	-0.27	-0.31	-0.13	0.3
Y	O	130262	SR	0.68	0.38	-0.22	-0.16	0.38	-0.20	0.3
Y	O	96269	SR	0.62	0.53	0.53	-0.26	-0.32	-0.18	0.4
Y	O	243358	SR	0.47	0.44	0.44	-0.24	-0.20	-0.14	0.2
Y	O	243359	SR	0.81	0.26	0.26	-0.08	-0.20	-0.17	0.2
Y	O	243360	SR	0.67	0.55	-0.16	-0.27	-0.35	0.55	0.4
Y	L	95644	SR	0.60	0.47	-0.17	-0.23	-0.25	0.47	0.1

**Table 1.A25** Item Statistics, Operational Items: MD HSA English—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	L	95645	SR	0.60	0.37	-0.18	-0.24	0.37	-0.19	0.2
Y	L	95646	SR	0.61	0.44	-0.19	-0.28	-0.18	0.44	0.1
Y	L	95647	SR	0.59	0.44	-0.09	-0.21	-0.32	0.44	0.1
Y	L	95648	SR	0.77	0.34	-0.25	-0.14	0.34	-0.24	0.1
Y	L	95649	SR	0.85	0.44	0.44	-0.23	-0.27	-0.24	0.1
Y	L	95650	SR	0.62	0.31	0.31	-0.15	-0.25	-0.19	0.2
Y	L	95651	SR	0.68	0.54	-0.34	-0.27	0.54	-0.20	0.1
Y	L	95654	SR	0.74	0.43	-0.27	0.43	-0.24	-0.19	0.1
Y	L	95653	SR	0.72	0.45	-0.23	-0.27	-0.20	0.45	0.1
Y	L	214695	SR	0.56	0.45	-0.15	0.45	-0.28	-0.21	0.2
Y	L	256289	SR	0.82	0.47	-0.24	0.47	-0.29	-0.24	0.2
Y	L	214694	SR	0.82	0.45	-0.23	-0.27	0.45	-0.21	0.1
Y	L	214692	SR	0.45	0.41	-0.23	-0.21	0.41	-0.08	0.3
Y	L	214693	SR	0.79	0.52	-0.25	0.52	-0.30	-0.28	0.2
Y	L	214696	SR	0.81	0.42	-0.24	0.42	-0.25	-0.22	0.2
Y	O	108758	SR	0.43	0.40	-0.10	0.40	-0.20	-0.19	0.2
Y	O	108759	SR	0.60	0.36	-0.22	-0.12	-0.19	0.36	0.2
<b>Mean</b>				0.65	0.42	-0.05	-0.04	-0.10	-0.03	0.2
<b>SD</b>				0.13	0.07	0.29	0.30	0.27	0.29	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.A26** Item Statistics, Operational Items: MD HSA Government—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	O	256350	SR	0.89	0.39	0.39	-0.22	-0.24	-0.19	0.0
C-N	O	108365	SR	0.77	0.39	-0.19	-0.24	0.39	-0.20	0.1
C-N	O	137277	SR	0.95	0.29	-0.19	0.29	-0.15	-0.14	0.0
C-N	O	79575	SR	0.62	0.57	-0.24	-0.38	0.57	-0.19	0.0
C-N	L	50942	SR	0.39	0.19	-0.09	-0.21	0.19	0.08	0.1
C-N	L	50922	SR	0.48	0.37	-0.11	-0.15	-0.23	0.37	0.1
C-N	L	51026	SR	0.60	0.44	-0.25	-0.22	0.44	-0.17	0.1
C-N	L	55485	SR	0.53	0.23	-0.28	-0.01	0.23	-0.06	0.1
C-N	O	50856	SR	0.52	0.37	-0.17	0.37	-0.18	-0.17	0.1
C-N	O	68094	SR	0.55	0.52	0.52	-0.16	-0.33	-0.21	0.1
C-N	L	79702	SR	0.31	0.21	-0.22	-0.03	0.21	-0.07	0.1
C-N	O	55703	SR	0.44	0.28	-0.06	0.28	-0.15	-0.15	0.1
C-N	L	108431	SR	0.59	0.54	-0.23	-0.24	0.54	-0.31	0.1
C-N	O	137331	SR	0.71	0.45	-0.22	-0.23	-0.27	0.45	0.1
C-N	L	50997	SR	0.48	0.37	-0.13	-0.28	0.37	-0.10	0.2
C-N	L	79740	SR	0.65	0.27	-0.15	0.27	-0.12	-0.16	0.1
C-N	L	68752	SR	0.61	0.56	0.56	-0.26	-0.31	-0.26	0.1
C-N	L	68680	SR	0.36	0.27	-0.23	-0.08	0.27	-0.12	0.1
C-N	O	68101	SR	0.67	0.49	-0.29	-0.22	0.49	-0.23	0.1
C-N	L	68622	SR	0.68	0.51	0.51	-0.27	-0.27	-0.25	0.1
C-N	L	52196	SR	0.51	0.46	-0.17	-0.18	0.46	-0.28	0.2
C-N	L	214487	SR	0.46	0.47	-0.21	-0.29	-0.14	0.47	0.2
C-N	L	50927	SR	0.92	0.37	-0.20	-0.20	0.37	-0.21	0.1
C-N	L	79626	SR	0.45	0.25	0.25	-0.09	-0.15	-0.07	0.3
C-N	O	68624	SR	0.76	0.56	-0.29	-0.29	-0.29	0.56	0.2
C-N	O	133476	SR	0.78	0.47	0.47	-0.20	-0.31	-0.24	0.2
C-N	L	133478	SR	0.45	0.22	0.06	-0.14	-0.19	0.22	0.3
C-N	L	68576	SR	0.70	0.50	-0.22	0.50	-0.32	-0.21	0.3
C-N	L	132982	SR	0.69	0.41	0.41	-0.28	-0.21	-0.14	0.1
C-N	O	51233	SR	0.91	0.41	-0.23	-0.23	0.41	-0.22	0.1
C-N	L	58191	SR	0.74	0.50	0.50	-0.27	-0.27	-0.23	0.1
C-N	L	55512	SR	0.32	0.28	-0.14	-0.01	-0.24	0.28	0.2
C-N	L	65212	SR	0.45	0.30	0.30	-0.21	-0.23	-0.06	0.1
C-N	L	108428	SR	0.41	0.34	0.34	-0.23	-0.10	-0.16	0.1
C-N	L	51077	SR	0.64	0.55	0.55	-0.29	-0.26	-0.29	0.1
C-N	L	108415	SR	0.56	0.43	-0.11	-0.23	-0.27	0.43	0.2
C-N	O	68578	SR	0.59	0.57	-0.26	-0.25	-0.30	0.57	0.1
C-N	L	51162	SR	0.83	0.45	-0.25	-0.25	0.45	-0.23	0.1
C-N	L	51163	SR	0.38	0.48	0.48	-0.28	-0.14	-0.18	0.1
C-N	O	68645	SR	0.69	0.33	-0.13	0.33	-0.20	-0.20	0.1
C-N	L	55688	SR	0.43	0.41	-0.20	0.00	-0.30	0.41	0.2
C-N	L	68774	SR	0.41	0.35	0.35	-0.08	-0.26	-0.10	0.2
C-N	O	79561	SR	0.42	0.33	-0.22	-0.10	0.33	-0.13	0.1



**Table 1.A26** Item Statistics, Operational Items: MD HSA Government—May 2009 Primary

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
C-N	O	108423	SR	0.63	0.61	-0.31	-0.34	0.61	-0.23	0.2
C-N	L	137315	SR	0.37	0.43	0.43	-0.13	-0.20	-0.21	0.1
C-N	O	79546	SR	0.61	0.51	-0.17	0.51	-0.31	-0.25	0.2
C-N	L	60445	SR	0.62	0.49	-0.17	0.49	-0.38	-0.18	0.2
C-N	L	55481	SR	0.62	0.41	-0.13	-0.30	-0.22	0.41	0.2
C-N	L	108339	SR	0.44	0.42	-0.08	-0.12	-0.37	0.42	0.2
C-N	O	135587	SR	0.28	0.25	-0.14	0.25	-0.08	-0.07	0.2
C-N	L	133483	SR	0.82	0.54	0.54	-0.38	-0.27	-0.20	0.1
C-N	L	256401	SR	0.50	0.55	0.55	-0.25	-0.27	-0.23	0.2
C-N	L	132980	SR	0.26	0.29	0.07	-0.13	-0.23	0.29	0.3
C-N	L	79704	SR	0.48	0.50	-0.19	-0.25	-0.23	0.50	0.2
C-N	O	55599	SR	0.70	0.32	-0.01	0.32	-0.26	-0.25	0.2
C-N	L	256349	SR	0.71	0.44	-0.23	-0.26	0.44	-0.17	0.1
C-N	L	68656	SR	0.53	0.34	-0.16	-0.21	0.34	-0.09	0.3
C-N	L	58284	SR	0.63	0.45	-0.18	-0.29	0.45	-0.19	0.2
C-N	L	79722	SR	0.23	0.26	0.26	-0.27	-0.15	0.16	0.2
C-N	O	52199	SR	0.56	0.37	-0.23	-0.16	0.37	-0.17	0.2
C-N	O	52249	SR	0.48	0.30	-0.14	0.30	-0.21	-0.08	0.1
C-N	L	108402	SR	0.39	0.32	-0.13	0.32	-0.17	-0.09	0.2
C-N	L	256405	SR	0.62	0.37	-0.18	0.37	-0.18	-0.21	0.1
C-N	O	108389	SR	0.52	0.52	-0.26	-0.14	-0.33	0.52	0.2
C-N	L	79731	SR	0.76	0.40	-0.17	-0.25	0.40	-0.21	0.2
C-N	L	58296	SR	0.71	0.49	-0.26	0.49	-0.25	-0.26	0.2
C-N	O	64958	SR	0.53	0.60	-0.27	-0.29	-0.28	0.60	0.2
C-N	L	60444	SR	0.59	0.51	-0.19	-0.22	-0.30	0.51	0.3
C-N	O	55591	SR	0.78	0.44	-0.28	-0.17	-0.29	0.44	0.2
C-N	L	52208	SR	0.27	0.31	0.31	-0.13	-0.13	-0.05	0.2
C-N	O	108418	SR	0.79	0.60	-0.29	-0.34	-0.32	0.60	0.2
C-N	O	53701	SR	0.87	0.48	0.48	-0.27	-0.29	-0.23	0.2
C-N	O	65199	SR	0.24	0.24	-0.22	0.24	0.01	-0.18	0.2
C-N	L	51041	SR	0.37	0.31	0.31	-0.27	-0.30	0.04	0.2
C-N	O	108370	SR	0.76	0.51	-0.29	0.51	-0.28	-0.21	0.2
C-N	L	68084	SR	0.57	0.50	-0.23	-0.31	-0.16	0.50	0.3
C-N	O	108469	SR	0.78	0.50	0.50	-0.25	-0.28	-0.25	0.2
C-N	O	256393	SR	0.86	0.45	-0.25	-0.28	0.45	-0.20	0.2
C-N	O	79709	SR	0.66	0.56	0.56	-0.27	-0.32	-0.26	0.2
C-N	L	256409	SR	0.62	0.43	-0.25	-0.28	-0.17	0.43	0.2
C-N	L	214507	SR	0.63	0.42	-0.14	0.42	-0.23	-0.23	0.2
C-N	O	79545	SR	0.64	0.51	-0.27	-0.25	-0.24	0.51	0.2
<b>Mean</b>				0.58	0.42	-0.02	-0.10	-0.06	-0.01	0.2
<b>SD</b>				0.17	0.11	0.29	0.25	0.30	0.29	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.A27** Item Statistics, Operational Items: MD HSA Government—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	O	68092	SR	0.80	0.39	-0.19	-0.24	-0.19	0.39	0.0
X	O	256386	SR	0.79	0.33	0.33	-0.22	-0.17	-0.14	0.1
X	O	137277	SR	0.95	0.29	-0.19	0.29	-0.15	-0.14	0.0
X	O	79575	SR	0.62	0.57	-0.24	-0.38	0.57	-0.19	0.0
X	L	50942	SR	0.39	0.19	-0.09	-0.21	0.19	0.08	0.1
X	L	50922	SR	0.48	0.37	-0.11	-0.15	-0.23	0.37	0.1
X	L	51026	SR	0.60	0.44	-0.25	-0.22	0.44	-0.17	0.1
X	L	55485	SR	0.53	0.23	-0.28	-0.01	0.23	-0.06	0.1
X	O	50856	SR	0.52	0.37	-0.17	0.37	-0.18	-0.17	0.1
X	O	68094	SR	0.55	0.52	0.52	-0.16	-0.33	-0.21	0.1
X	L	79702	SR	0.31	0.21	-0.22	-0.03	0.21	-0.07	0.1
X	O	108373	SR	0.47	0.54	-0.19	-0.23	-0.31	0.54	0.1
X	L	108431	SR	0.59	0.54	-0.23	-0.24	0.54	-0.31	0.1
X	O	137331	SR	0.71	0.45	-0.22	-0.23	-0.27	0.45	0.1
X	L	50997	SR	0.48	0.37	-0.13	-0.28	0.37	-0.10	0.2
X	L	79740	SR	0.65	0.27	-0.15	0.27	-0.12	-0.16	0.1
X	L	68752	SR	0.61	0.56	0.56	-0.26	-0.31	-0.26	0.1
X	L	68680	SR	0.36	0.27	-0.23	-0.08	0.27	-0.12	0.1
X	O	68101	SR	0.67	0.49	-0.29	-0.22	0.49	-0.23	0.1
X	L	68622	SR	0.68	0.51	0.51	-0.27	-0.27	-0.25	0.1
X	L	52196	SR	0.51	0.46	-0.17	-0.18	0.46	-0.28	0.2
X	L	214487	SR	0.46	0.47	-0.21	-0.29	-0.14	0.47	0.2
X	L	50927	SR	0.92	0.37	-0.20	-0.20	0.37	-0.21	0.1
X	L	79626	SR	0.45	0.25	0.25	-0.09	-0.15	-0.07	0.3
X	O	68624	SR	0.76	0.56	-0.29	-0.29	-0.29	0.56	0.2
X	O	108382	SR	0.65	0.49	-0.21	0.49	-0.25	-0.28	0.4
X	L	133478	SR	0.45	0.22	0.06	-0.14	-0.19	0.22	0.3
X	L	68576	SR	0.70	0.50	-0.22	0.50	-0.32	-0.21	0.3
X	L	132982	SR	0.69	0.41	0.41	-0.28	-0.21	-0.14	0.1
X	O	51233	SR	0.91	0.41	-0.23	-0.23	0.41	-0.22	0.1
X	L	58191	SR	0.74	0.50	0.50	-0.27	-0.27	-0.23	0.1
X	L	55512	SR	0.32	0.28	-0.14	-0.01	-0.24	0.28	0.2
X	L	65212	SR	0.45	0.30	0.30	-0.21	-0.23	-0.06	0.1
X	L	108428	SR	0.41	0.34	0.34	-0.23	-0.10	-0.16	0.1
X	L	51077	SR	0.64	0.55	0.55	-0.29	-0.26	-0.29	0.1
X	L	108415	SR	0.56	0.43	-0.11	-0.23	-0.27	0.43	0.2
X	O	132981	SR	0.49	0.46	-0.09	0.46	-0.33	-0.16	0.3
X	L	51162	SR	0.83	0.45	-0.25	-0.25	0.45	-0.23	0.1
X	L	51163	SR	0.38	0.48	0.48	-0.28	-0.14	-0.18	0.1
X	O	242069	SR	0.61	0.44	0.44	-0.28	-0.22	-0.11	0.3
X	L	55688	SR	0.43	0.41	-0.20	0.00	-0.30	0.41	0.2
X	L	68774	SR	0.41	0.35	0.35	-0.08	-0.26	-0.10	0.2
X	O	68704	SR	0.49	0.25	-0.16	0.25	-0.03	-0.19	0.3
X	O	79677	SR	0.45	0.45	-0.28	0.45	-0.27	-0.08	0.3

**Table 1.A27** Item Statistics, Operational Items: MD HSA Government—May 2009 Makeup 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
X	L	137315	SR	0.37	0.43	0.43	-0.13	-0.20	-0.21	0.1
X	O	79546	SR	0.61	0.51	-0.17	0.51	-0.31	-0.25	0.2
X	L	60445	SR	0.62	0.49	-0.17	0.49	-0.38	-0.18	0.2
X	L	55481	SR	0.62	0.41	-0.13	-0.30	-0.22	0.41	0.2
X	L	108339	SR	0.44	0.42	-0.08	-0.12	-0.37	0.42	0.2
X	O	79583	SR	0.79	0.44	-0.23	-0.19	-0.27	0.44	0.4
X	L	133483	SR	0.82	0.54	0.54	-0.38	-0.27	-0.20	0.1
X	L	256401	SR	0.50	0.55	0.55	-0.25	-0.27	-0.23	0.2
X	L	132980	SR	0.26	0.29	0.07	-0.13	-0.23	0.29	0.3
X	L	79704	SR	0.48	0.50	-0.19	-0.25	-0.23	0.50	0.2
X	O	55599	SR	0.70	0.32	-0.01	0.32	-0.26	-0.25	0.2
X	L	256349	SR	0.71	0.44	-0.23	-0.26	0.44	-0.17	0.1
X	L	68656	SR	0.53	0.34	-0.16	-0.21	0.34	-0.09	0.3
X	L	58284	SR	0.63	0.45	-0.18	-0.29	0.45	-0.19	0.2
X	L	79722	SR	0.23	0.26	0.26	-0.27	-0.15	0.16	0.2
X	O	108349	SR	0.45	0.27	-0.22	0.06	0.27	-0.25	0.4
X	O	223333	SR	0.74	0.52	-0.23	-0.32	-0.23	0.52	0.4
X	L	108402	SR	0.39	0.32	-0.13	0.32	-0.17	-0.09	0.2
X	L	256405	SR	0.62	0.37	-0.18	0.37	-0.18	-0.21	0.1
X	O	68789	SR	0.59	0.44	-0.24	-0.14	-0.29	0.44	0.4
X	L	79731	SR	0.76	0.40	-0.17	-0.25	0.40	-0.21	0.2
X	L	58296	SR	0.71	0.49	-0.26	0.49	-0.25	-0.26	0.2
X	O	64958	SR	0.53	0.60	-0.27	-0.29	-0.28	0.60	0.2
X	L	60444	SR	0.59	0.51	-0.19	-0.22	-0.30	0.51	0.3
X	O	68004	SR	0.36	0.32	0.32	-0.05	-0.19	-0.19	0.6
X	L	52208	SR	0.27	0.31	0.31	-0.13	-0.13	-0.05	0.2
X	O	108418	SR	0.79	0.60	-0.29	-0.34	-0.32	0.60	0.2
X	O	53701	SR	0.87	0.48	0.48	-0.27	-0.29	-0.23	0.2
X	O	65199	SR	0.24	0.24	-0.22	0.24	0.01	-0.18	0.2
X	L	51041	SR	0.37	0.31	0.31	-0.27	-0.30	0.04	0.2
X	O	256370	SR	0.37	0.27	-0.29	-0.11	0.03	0.27	0.7
X	L	68084	SR	0.57	0.50	-0.23	-0.31	-0.16	0.50	0.3
X	O	108469	SR	0.78	0.50	0.50	-0.25	-0.28	-0.25	0.2
X	O	60430	SR	0.40	0.44	-0.11	-0.24	-0.19	0.44	0.5
X	O	256361	SR	0.42	0.37	0.37	-0.22	-0.17	-0.07	0.6
X	L	256409	SR	0.62	0.43	-0.25	-0.28	-0.17	0.43	0.2
X	L	214507	SR	0.63	0.42	-0.14	0.42	-0.23	-0.23	0.2
X	O	79545	SR	0.64	0.51	-0.27	-0.25	-0.24	0.51	0.2
<b>Mean</b>				0.57	0.41	-0.02	-0.09	-0.09	0.02	0.2
<b>SD</b>				0.17	0.10	0.29	0.26	0.27	0.30	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.A28** Item Statistics, Operational Items: MD HSA Government—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	O	256350	SR	0.89	0.39	0.39	-0.22	-0.24	-0.19	0.0
Y	O	108365	SR	0.77	0.39	-0.19	-0.24	0.39	-0.20	0.1
Y	O	108388	SR	0.53	0.46	-0.22	-0.31	-0.15	0.46	0.1
Y	O	79562	SR	0.75	0.42	-0.29	-0.18	0.42	-0.16	0.1
Y	L	50942	SR	0.39	0.19	-0.09	-0.21	0.19	0.08	0.1
Y	L	50922	SR	0.48	0.37	-0.11	-0.15	-0.23	0.37	0.1
Y	L	51026	SR	0.60	0.44	-0.25	-0.22	0.44	-0.17	0.1
Y	L	55485	SR	0.53	0.23	-0.28	-0.01	0.23	-0.06	0.1
Y	O	108372	SR	0.54	0.56	0.56	-0.31	-0.32	-0.19	0.0
Y	O	133475	SR	0.57	0.21	-0.22	-0.21	0.21	0.03	0.0
Y	L	79702	SR	0.31	0.21	-0.22	-0.03	0.21	-0.07	0.1
Y	O	55703	SR	0.44	0.28	-0.06	0.28	-0.15	-0.15	0.1
Y	L	108431	SR	0.59	0.54	-0.23	-0.24	0.54	-0.31	0.1
Y	O	58405	SR	0.73	0.54	-0.25	-0.29	-0.29	0.54	0.1
Y	L	50997	SR	0.48	0.37	-0.13	-0.28	0.37	-0.10	0.2
Y	L	79740	SR	0.65	0.27	-0.15	0.27	-0.12	-0.16	0.1
Y	L	68752	SR	0.61	0.56	0.56	-0.26	-0.31	-0.26	0.1
Y	L	68680	SR	0.36	0.27	-0.23	-0.08	0.27	-0.12	0.1
Y	O	51220	SR	0.40	0.20	0.20	-0.25	-0.29	0.11	0.4
Y	L	68622	SR	0.68	0.51	0.51	-0.27	-0.27	-0.25	0.1
Y	L	52196	SR	0.51	0.46	-0.17	-0.18	0.46	-0.28	0.2
Y	L	214487	SR	0.46	0.47	-0.21	-0.29	-0.14	0.47	0.2
Y	L	50927	SR	0.92	0.37	-0.20	-0.20	0.37	-0.21	0.1
Y	L	79626	SR	0.45	0.25	0.25	-0.09	-0.15	-0.07	0.3
Y	O	52290	SR	0.71	0.58	-0.26	0.58	-0.31	-0.30	0.6
Y	O	133476	SR	0.78	0.47	0.47	-0.20	-0.31	-0.24	0.2
Y	L	133478	SR	0.45	0.22	0.06	-0.14	-0.19	0.22	0.3
Y	L	68576	SR	0.70	0.50	-0.22	0.50	-0.32	-0.21	0.3
Y	L	132982	SR	0.69	0.41	0.41	-0.28	-0.21	-0.14	0.1
Y	O	55558	SR	0.86	0.39	-0.14	0.39	-0.28	-0.20	0.2
Y	L	58191	SR	0.74	0.50	0.50	-0.27	-0.27	-0.23	0.1
Y	L	55512	SR	0.32	0.28	-0.14	-0.01	-0.24	0.28	0.2
Y	L	65212	SR	0.45	0.30	0.30	-0.21	-0.23	-0.06	0.1
Y	L	108428	SR	0.41	0.34	0.34	-0.23	-0.10	-0.16	0.1
Y	L	51077	SR	0.64	0.55	0.55	-0.29	-0.26	-0.29	0.1
Y	L	108415	SR	0.56	0.43	-0.11	-0.23	-0.27	0.43	0.2
Y	O	68578	SR	0.59	0.57	-0.26	-0.25	-0.30	0.57	0.1
Y	L	51162	SR	0.83	0.45	-0.25	-0.25	0.45	-0.23	0.1
Y	L	51163	SR	0.38	0.48	0.48	-0.28	-0.14	-0.18	0.1
Y	O	68645	SR	0.69	0.33	-0.13	0.33	-0.20	-0.20	0.1
Y	L	55688	SR	0.43	0.41	-0.20	0.00	-0.30	0.41	0.2
Y	L	68774	SR	0.41	0.35	0.35	-0.08	-0.26	-0.10	0.2
Y	O	79561	SR	0.42	0.33	-0.22	-0.10	0.33	-0.13	0.1
Y	O	108423	SR	0.63	0.61	-0.31	-0.34	0.61	-0.23	0.2

**Table 1.A28** Item Statistics, Operational Items: MD HSA Government—May 2009 Makeup 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Y	L	137315	SR	0.37	0.43	0.43	-0.13	-0.20	-0.21	0.1
Y	O	132965	SR	0.82	0.51	-0.24	-0.33	-0.24	0.51	0.3
Y	L	60445	SR	0.62	0.49	-0.17	0.49	-0.38	-0.18	0.2
Y	L	55481	SR	0.62	0.41	-0.13	-0.30	-0.22	0.41	0.2
Y	L	108339	SR	0.44	0.42	-0.08	-0.12	-0.37	0.42	0.2
Y	O	135587	SR	0.28	0.25	-0.14	0.25	-0.08	-0.07	0.2
Y	L	133483	SR	0.82	0.54	0.54	-0.38	-0.27	-0.20	0.1
Y	L	256401	SR	0.50	0.55	0.55	-0.25	-0.27	-0.23	0.2
Y	L	132980	SR	0.26	0.29	0.07	-0.13	-0.23	0.29	0.3
Y	L	79704	SR	0.48	0.50	-0.19	-0.25	-0.23	0.50	0.2
Y	O	79672	SR	0.46	0.45	-0.13	-0.18	-0.27	0.45	0.6
Y	L	256349	SR	0.71	0.44	-0.23	-0.26	0.44	-0.17	0.1
Y	L	68656	SR	0.53	0.34	-0.16	-0.21	0.34	-0.09	0.3
Y	L	58284	SR	0.63	0.45	-0.18	-0.29	0.45	-0.19	0.2
Y	L	79722	SR	0.23	0.26	0.26	-0.27	-0.15	0.16	0.2
Y	O	52199	SR	0.56	0.37	-0.23	-0.16	0.37	-0.17	0.2
Y	O	52249	SR	0.48	0.30	-0.14	0.30	-0.21	-0.08	0.1
Y	L	108402	SR	0.39	0.32	-0.13	0.32	-0.17	-0.09	0.2
Y	L	256405	SR	0.62	0.37	-0.18	0.37	-0.18	-0.21	0.1
Y	O	108389	SR	0.52	0.52	-0.26	-0.14	-0.33	0.52	0.2
Y	L	79731	SR	0.76	0.40	-0.17	-0.25	0.40	-0.21	0.2
Y	L	58296	SR	0.71	0.49	-0.26	0.49	-0.25	-0.26	0.2
Y	O	68782	SR	0.70	0.57	-0.30	-0.24	-0.33	0.57	0.3
Y	L	60444	SR	0.59	0.51	-0.19	-0.22	-0.30	0.51	0.3
Y	O	55591	SR	0.78	0.44	-0.28	-0.17	-0.29	0.44	0.2
Y	L	52208	SR	0.27	0.31	0.31	-0.13	-0.13	-0.05	0.2
Y	O	137307	SR	0.68	0.50	-0.31	-0.25	0.50	-0.21	0.4
Y	O	108340	SR	0.55	0.66	-0.36	-0.38	0.66	-0.13	0.4
Y	O	135575	SR	0.78	0.57	-0.26	0.57	-0.35	-0.27	0.5
Y	L	51041	SR	0.37	0.31	0.31	-0.27	-0.30	0.04	0.2
Y	O	108370	SR	0.76	0.51	-0.29	0.51	-0.28	-0.21	0.2
Y	L	68084	SR	0.57	0.50	-0.23	-0.31	-0.16	0.50	0.3
Y	O	52253	SR	0.39	0.17	-0.05	0.17	0.03	-0.17	0.6
Y	O	256393	SR	0.86	0.45	-0.25	-0.28	0.45	-0.20	0.2
Y	O	79709	SR	0.66	0.56	0.56	-0.27	-0.32	-0.26	0.2
Y	L	256409	SR	0.62	0.43	-0.25	-0.28	-0.17	0.43	0.2
Y	L	214507	SR	0.63	0.42	-0.14	0.42	-0.23	-0.23	0.2
Y	O	137311	SR	0.66	0.48	-0.19	-0.32	0.48	-0.18	0.7
<b>Mean</b>				0.57	0.41	-0.04	-0.10	-0.05	0.00	0.2
<b>SD</b>				0.16	0.11	0.28	0.26	0.31	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.A29** Item Statistics, Operational Items: MD HSA Algebra—Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	O	56599	SR	0.60	0.36	-0.15	-0.22	0.36	-0.17	0.2
P	L	67519	SR	0.49	0.42	-0.29	-0.22	0.42	0.00	0.3
P	L	106655	SR	0.34	0.26	-0.07	0.26	-0.12	-0.11	0.5
P	O	54765	SR	0.24	0.27	0.27	-0.07	-0.16	-0.02	0.1
P	L	79018	SR	0.21	0.19	-0.01	-0.13	0.19	-0.07	1.1
P	L	136686	SPR	0.52	0.47	0.47	-0.43			3.1
P	L	255067	SPR	0.38	0.35	0.35	-0.27			5.8
P	O	223238	SR	0.18	0.36	0.02	-0.22	-0.17	0.36	0.4
P	L	51549	SR	0.42	0.12	-0.10	0.01	0.12	-0.07	0.9
P	L	255113	SR	0.47	0.22	0.03	0.22	-0.19	-0.12	0.9
P	O	132827	SR	0.48	0.25	-0.07	-0.16	0.25	-0.12	0.4
P	L	132822	SR	0.48	0.33	-0.15	-0.12	-0.21	0.33	0.6
P	O	67496	SPR	0.43	0.51	0.51	-0.44			7.3
P	O	67495	SPR	0.19	0.36	0.36	-0.24			12.8
P	L	79085	SR	0.58	0.28	-0.09	0.28	-0.14	-0.16	2.2
P	L	56562	SR	0.32	0.51	-0.25	-0.19	-0.11	0.51	2.8
P	O	106549	SR	0.16	0.30	0.30	-0.05	-0.03	-0.17	4.2
P	L	106618	SR	0.34	0.29	-0.17	-0.20	0.29	0.04	3.6
P	O	54875	SR	0.73	0.30	-0.20	0.30	-0.14	-0.08	0.4
P	O	51414	SR	0.36	0.41	0.41	-0.19	-0.16	-0.12	1.1
P	L	255108	SR	0.57	0.33	-0.14	0.33	-0.17	-0.13	0.5
P	O	56545	SPR	0.12	0.35	0.35	-0.25			3.7
P	L	255082	SPR	0.09	0.27	0.27	-0.10			9.2
P	O	79150	SR	0.16	0.09	0.02	0.02	-0.13	0.09	1.2
P	O	67535	SR	0.24	0.19	0.07	-0.12	0.19	-0.11	0.3
P	L	106543	SR	0.32	0.34	0.34	-0.15	-0.11	-0.10	0.9
P	L	132823	SR	0.51	0.32	-0.13	-0.14	0.32	-0.15	0.7
P	O	54763	SR	0.27	0.22	-0.04	-0.15	-0.05	0.22	0.7
P	L	135112	SR	0.34	0.22	-0.06	-0.08	0.22	-0.10	0.9
P	O	67420	SPR	0.26	0.36	0.36	-0.25			11.6
P	L	54658	SR	0.19	0.26	-0.03	-0.07	-0.09	0.26	1.1
P	O	67427	SR	0.51	0.36	-0.17	0.36	-0.18	-0.12	1.0
P	O	79092	SR	0.45	0.30	-0.13	-0.07	-0.16	0.30	1.4
P	L	79037	SR	0.22	0.24	0.24	-0.05	-0.10	-0.07	1.7
P	L	211027	SR	0.45	0.35	-0.13	-0.16	0.35	-0.13	1.8
P	L	67474	SR	0.43	0.31	0.31	-0.11	-0.16	-0.11	0.9
P	L	211050	SR	0.33	0.29	-0.01	-0.19	-0.16	0.29	0.6
P	O	67431	SPR	0.49	0.54	0.54	-0.49			4.1
P	L	50426	SPR	0.25	0.22	0.22	-0.13			5.8
P	L	51443	SPR	0.25	0.39	0.39	-0.28			4.5
P	L	79102	SR	0.29	0.18	-0.07	-0.07	0.18	-0.03	1.0
P	L	64684	SR	0.52	0.39	0.39	-0.17	-0.21	-0.13	0.9
P	O	52344	SR	0.44	0.32	-0.17	0.32	-0.11	-0.11	1.1
P	L	67464	SR	0.38	0.47	-0.28	-0.17	0.47	-0.10	1.1

**Table 1.A29** Item Statistics, Operational Items: MD HSA Algebra—Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	O	67559	SR	0.32	0.14	-0.08	0.14	0.05	-0.16	0.7
P	L	50371	SR	0.48	0.38	-0.19	0.38	-0.15	-0.13	1.4
P	O	43147	SR	0.47	0.26	-0.16	-0.07	0.26	-0.10	0.8
P	L	51398	SR	0.40	0.49	0.49	-0.24	-0.23	-0.09	0.9
P	L	67489	SR	0.37	0.18	-0.06	0.18	-0.02	-0.13	1.1
P	L	56799	SR	0.21	0.33	0.33	-0.07	-0.16	-0.04	1.0
P	O	54673	SR	0.34	0.38	-0.15	-0.19	-0.07	0.38	0.9
P	L	56750	SR	0.25	0.42	0.42	-0.05	-0.19	-0.16	1.2
P	L	54767	SR	0.41	0.36	0.36	-0.14	-0.16	-0.13	1.1
<b>Mean</b>				0.36	0.32	0.08	-0.08	-0.01	-0.02	2.2
<b>SD</b>				0.14	0.10	0.25	0.20	0.21	0.18	2.7

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.A30** Item Statistics, Operational Items: MD HSA Algebra—Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	O	56769	SR	0.66	0.35	-0.13	0.35	-0.21	-0.18	0.4
Q	L	67519	SR	0.49	0.42	-0.29	-0.22	0.42	0.00	0.3
Q	L	106655	SR	0.34	0.26	-0.07	0.26	-0.12	-0.11	0.5
Q	O	106621	SR	0.60	0.39	0.39	-0.17	-0.20	-0.21	0.2
Q	L	79018	SR	0.21	0.19	-0.01	-0.13	0.19	-0.07	1.1
Q	L	136686	SPR	0.52	0.47	0.47	-0.43			3.1
Q	L	255067	SPR	0.38	0.35	0.35	-0.27			5.8
Q	O	79123	SR	0.19	0.45	-0.16	-0.08	-0.14	0.45	2.2
Q	L	51549	SR	0.42	0.12	-0.10	0.01	0.12	-0.07	0.9
Q	L	255113	SR	0.47	0.22	0.03	0.22	-0.19	-0.12	0.9
Q	O	54745	SR	0.58	0.29	-0.05	-0.26	-0.10	0.29	0.2
Q	L	132822	SR	0.48	0.33	-0.15	-0.12	-0.21	0.33	0.6
Q	O	132847	SPR	0.57	0.37	0.37	-0.31			4.9
Q	O	135113	SPR	0.07	0.50	0.50	-0.18			13.8
Q	L	79085	SR	0.58	0.28	-0.09	0.28	-0.14	-0.16	2.2
Q	L	56562	SR	0.32	0.51	-0.25	-0.19	-0.11	0.51	2.8
Q	O	67501	SR	0.48	0.43	-0.23	-0.15	0.43	-0.18	2.2
Q	L	106618	SR	0.34	0.29	-0.17	-0.20	0.29	0.04	3.6
Q	O	54690	SR	0.89	0.20	-0.11	0.20	-0.07	-0.12	0.4
Q	O	215925	SR	0.54	0.38	-0.14	-0.20	-0.18	0.38	0.6
Q	L	255108	SR	0.57	0.33	-0.14	0.33	-0.17	-0.13	0.5
Q	O	215934	SPR	0.20	0.36	0.36	-0.17			19.2
Q	L	255082	SPR	0.09	0.27	0.27	-0.10			9.2
Q	O	56785	SR	0.20	0.38	-0.11	-0.14	-0.07	0.38	2.0
Q	O	56649	SR	0.23	0.35	-0.05	-0.16	-0.15	0.35	1.0
Q	L	106543	SR	0.32	0.34	0.34	-0.15	-0.11	-0.10	0.9
Q	L	132823	SR	0.51	0.32	-0.13	-0.14	0.32	-0.15	0.7
Q	O	51479	SR	0.41	0.26	-0.01	-0.15	-0.21	0.26	1.2
Q	L	135112	SR	0.34	0.22	-0.06	-0.08	0.22	-0.10	0.9
Q	O	106569	SPR	0.06	0.46	0.46	-0.07			13.8
Q	L	54658	SR	0.19	0.26	-0.03	-0.07	-0.09	0.26	1.1
Q	O	56764	SR	0.70	0.34	0.34	-0.14	-0.22	-0.14	1.0
Q	O	211043	SR	0.23	0.20	-0.10	0.20	-0.05	0.01	1.8
Q	L	79037	SR	0.22	0.24	0.24	-0.05	-0.10	-0.07	1.7
Q	L	211027	SR	0.45	0.35	-0.13	-0.16	0.35	-0.13	1.8
Q	L	67474	SR	0.43	0.31	0.31	-0.11	-0.16	-0.11	0.9
Q	L	211050	SR	0.33	0.29	-0.01	-0.19	-0.16	0.29	0.6
Q	O	50393	SPR	0.17	0.39	0.39	-0.17			9.3
Q	L	50426	SPR	0.25	0.22	0.22	-0.13			5.8
Q	L	51443	SPR	0.25	0.39	0.39	-0.28			4.5
Q	L	79102	SR	0.29	0.18	-0.07	-0.07	0.18	-0.03	1.0
Q	L	64684	SR	0.52	0.39	0.39	-0.17	-0.21	-0.13	0.9
Q	O	211006	SR	0.16	0.35	-0.15	-0.10	-0.04	0.35	1.4



**Table 1.A30** Item Statistics, Operational Items: MD HSA Algebra—Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	L	67464	SR	0.38	0.47	-0.28	-0.17	0.47	-0.10	1.1
Q	O	56759	SR	0.35	0.37	0.37	-0.11	-0.15	-0.15	1.2
Q	L	50371	SR	0.48	0.38	-0.19	0.38	-0.15	-0.13	1.4
Q	O	43148	SR	0.45	0.36	-0.15	-0.13	0.36	-0.16	1.0
Q	L	51398	SR	0.40	0.49	0.49	-0.24	-0.23	-0.09	0.9
Q	L	67489	SR	0.37	0.18	-0.06	0.18	-0.02	-0.13	1.1
Q	L	56799	SR	0.21	0.33	0.33	-0.07	-0.16	-0.04	1.0
Q	O	43154	SR	0.13	0.22	-0.08	-0.13	0.06	0.22	1.2
Q	L	56750	SR	0.25	0.42	0.42	-0.05	-0.19	-0.16	1.2
Q	L	54767	SR	0.41	0.36	0.36	-0.14	-0.16	-0.13	1.1
<b>Mean</b>				0.37	0.33	0.08	-0.08	-0.02	0.02	2.6
<b>SD</b>				0.17	0.09	0.25	0.18	0.21	0.21	3.8

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.A31** Item Statistics, Operational Items: MD HSA Biology—Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	O	52663	SR	0.41	0.27	-0.04	0.27	-0.15	-0.15	0.4
P	L	52490	SR	0.61	0.25	-0.16	-0.13	0.25	-0.10	0.4
P	O	192077	SR	0.20	0.26	0.11	-0.19	-0.19	0.26	0.0
P	O	192084	SR	0.39	0.13	-0.09	-0.05	-0.03	0.13	0.0
P	L	68263	SR	0.13	0.19	-0.15	0.01	0.19	0.02	0.2
P	L	79475	SR	0.19	0.21	-0.07	-0.07	-0.05	0.21	0.1
P	L	256489	SR	0.23	0.12	-0.02	0.12	-0.11	0.01	0.1
P	L	256490	SR	0.42	0.20	-0.10	0.20	-0.08	-0.06	0.7
P	O	79402	SR	0.17	0.00	0.04	0.03	-0.06	0.00	0.2
P	L	136101	SR	0.65	0.26	-0.08	-0.18	0.26	-0.10	0.2
P	O	136099	SR	0.32	0.24	-0.15	0.24	-0.13	0.02	0.4
P	O	79431	SR	0.58	0.30	-0.15	-0.17	0.30	-0.10	0.2
P	L	136123	SR	0.23	0.23	-0.10	0.23	-0.03	-0.08	0.4
P	L	136126	SR	0.54	0.25	-0.05	-0.19	0.25	-0.10	0.4
P	O	67671	SR	0.19	0.14	-0.04	-0.13	0.04	0.14	0.2
P	L	52559	SR	0.29	0.30	0.30	-0.10	-0.18	-0.02	0.4
P	L	251268	SR	0.32	0.18	0.18	0.04	-0.07	-0.19	0.4
P	L	251269	SR	0.48	0.29	-0.16	-0.12	0.29	-0.08	0.4
P	L	52419	SR	0.23	0.24	0.24	-0.12	-0.18	0.07	0.4
P	O	251274	SR	0.30	0.29	0.29	-0.11	-0.18	-0.03	0.2
P	O	251257	SR	0.42	0.36	-0.17	0.36	-0.08	-0.19	0.5
P	O	68244	SR	0.31	0.23	-0.03	-0.16	-0.09	0.23	0.5
P	L	108541	SR	0.17	0.20	-0.03	0.20	-0.07	-0.07	0.7
P	L	108518	SR	0.48	0.41	0.41	-0.20	-0.19	-0.12	0.6
P	O	214541	SR	0.28	0.13	0.01	-0.12	0.13	-0.01	1.1
P	L	133449	SR	0.37	0.12	-0.14	0.12	0.01	0.01	0.6
P	L	133451	SR	0.28	0.02	0.06	0.02	-0.18	0.10	0.5
P	O	55268	SR	0.27	0.36	-0.19	-0.10	0.36	-0.07	0.2
P	O	54964	SR	0.25	0.27	-0.06	-0.13	-0.06	0.27	0.5
P	L	52409	SR	0.18	0.23	-0.07	0.23	-0.12	-0.08	0.4
P	L	135129	SR	0.35	0.21	-0.10	-0.06	-0.07	0.21	0.5
P	L	135130	SR	0.40	0.30	-0.13	-0.14	0.30	-0.09	0.5
P	O	52686	SR	0.27	0.16	-0.01	-0.04	-0.10	0.16	0.4
P	O	256551	SR	0.37	0.18	-0.02	0.18	-0.14	-0.03	0.5
P	O	256522	SR	0.25	0.13	-0.16	0.01	0.13	0.03	0.5
P	L	108586	SR	0.48	0.32	0.32	-0.16	-0.19	-0.08	0.8
P	L	68153	SR	0.62	0.38	0.38	-0.21	-0.19	-0.14	0.4
P	L	68154	SR	0.27	0.26	-0.07	0.26	-0.12	-0.05	0.6
P	L	57000	SR	0.22	0.08	0.08	0.06	-0.08	-0.05	0.5
P	L	136093	SR	0.18	0.02	0.07	-0.05	0.02	-0.02	0.5
P	L	136094	SR	0.39	0.35	-0.10	0.35	-0.16	-0.15	0.5
P	O	52756	SR	0.34	0.25	-0.08	0.25	-0.09	-0.10	1.1
P	O	68197	SR	0.48	0.19	0.19	-0.11	-0.12	-0.02	0.5

**Table 1.A31** Item Statistics, Operational Items: MD HSA Biology—Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	L	108561	SR	0.70	0.37	-0.14	-0.18	-0.21	0.37	0.5
P	O	133051	SR	0.57	0.25	-0.07	0.25	-0.09	-0.17	0.5
P	O	133048	SR	0.36	0.25	-0.07	-0.07	-0.13	0.25	0.5
P	O	52567	SR	0.28	0.16	0.16	0.04	-0.13	-0.11	0.5
P	L	65075	SR	0.50	0.42	-0.18	-0.18	-0.18	0.42	0.6
P	L	55084	SR	0.40	0.25	0.25	-0.16	-0.06	-0.07	0.7
P	L	55085	SR	0.29	0.24	0.24	-0.20	-0.02	-0.03	0.6
P	L	133435	SR	0.39	0.39	0.39	-0.19	-0.13	-0.14	0.5
P	L	52767	SR	0.18	0.30	-0.04	-0.11	0.30	-0.09	0.5
P	L	214567	SR	0.52	0.20	-0.06	-0.10	0.20	-0.10	0.5
P	L	214569	SR	0.40	0.25	-0.09	-0.10	-0.09	0.25	0.5
P	L	108559	SR	0.29	0.19	-0.11	0.19	-0.16	0.07	0.6
P	O	256537	SR	0.26	0.11	0.11	-0.18	-0.12	0.16	0.7
P	O	256539	SR	0.16	0.01	-0.01	0.01	0.05	-0.05	0.4
P	O	52716	SR	0.25	0.07	-0.03	-0.01	0.07	-0.02	0.5
P	L	79291	SR	0.25	0.20	0.20	0.02	-0.17	-0.02	0.6
P	L	79313	SR	0.30	0.24	-0.17	0.24	-0.10	0.03	0.6
P	L	79314	SR	0.23	0.14	-0.05	0.14	-0.03	-0.03	0.5
P	O	65121	SR	0.36	0.27	-0.09	-0.12	0.27	-0.09	0.5
P	L	65052	SR	0.20	0.05	0.01	0.07	-0.12	0.05	0.5
P	O	57188	SR	0.30	0.37	0.37	-0.13	-0.15	-0.10	0.7
P	O	256493	SR	0.25	0.16	-0.16	0.16	0.01	0.01	0.9
P	O	256491	SR	0.29	0.23	0.23	0.00	-0.12	-0.13	0.4
P	L	136137	SR	0.32	0.29	0.00	0.29	-0.17	-0.13	0.5
P	L	136136	SR	0.43	0.29	-0.05	-0.15	-0.15	0.29	0.6
P	L	65058	SR	0.32	0.27	-0.06	0.27	-0.11	-0.10	0.7
P	O	192079	SR	0.24	0.15	0.15	-0.03	-0.06	-0.03	0.5
P	L	253643	SR	0.31	0.26	-0.09	-0.07	-0.10	0.26	0.6
P	O	175495	SR	0.38	0.12	0.12	-0.09	-0.05	0.01	0.5
P	L	215987	SR	0.38	0.21	0.21	-0.05	-0.12	-0.06	0.8
P	L	215988	SR	0.33	0.09	-0.05	-0.01	0.09	-0.02	1.0
P	L	133436	SR	0.17	0.08	0.08	0.11	-0.10	-0.07	1.0
P	O	214538	SR	0.48	0.31	-0.16	-0.13	0.31	-0.11	0.7
<b>Mean</b>				0.34	0.22	0.01	0.00	-0.03	0.00	0.5
<b>SD</b>				0.13	0.10	0.16	0.16	0.15	0.14	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.A32** Item Statistics, Operational Items: MD HSA Biology—Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	O	108599	SR	0.50	0.32	-0.20	-0.12	0.32	-0.12	0.0
Q	L	52490	SR	0.61	0.25	-0.16	-0.13	0.25	-0.10	0.4
Q	O	215944	SR	0.39	0.33	0.33	-0.14	-0.10	-0.15	0.0
Q	O	215957	SR	0.56	0.21	0.21	-0.08	-0.18	-0.09	0.4
Q	L	68263	SR	0.13	0.19	-0.15	0.01	0.19	0.02	0.2
Q	L	79475	SR	0.19	0.21	-0.07	-0.07	-0.05	0.21	0.1
Q	L	256489	SR	0.23	0.12	-0.02	0.12	-0.11	0.01	0.1
Q	L	256490	SR	0.42	0.20	-0.10	0.20	-0.08	-0.06	0.7
Q	O	54987	SR	0.28	0.04	0.04	-0.01	0.00	0.00	0.8
Q	L	136101	SR	0.65	0.26	-0.08	-0.18	0.26	-0.10	0.2
Q	O	136097	SR	0.45	0.17	0.17	0.02	-0.12	-0.11	0.4
Q	O	55044	SR	0.44	0.28	-0.20	0.28	-0.25	0.07	0.8
Q	L	136123	SR	0.23	0.23	-0.10	0.23	-0.03	-0.08	0.4
Q	L	136126	SR	0.54	0.25	-0.05	-0.19	0.25	-0.10	0.4
Q	O	223426	SR	0.19	0.17	-0.19	0.17	0.17	-0.19	1.1
Q	L	52559	SR	0.29	0.30	0.30	-0.10	-0.18	-0.02	0.4
Q	L	251268	SR	0.32	0.18	0.18	0.04	-0.07	-0.19	0.4
Q	L	251269	SR	0.48	0.29	-0.16	-0.12	0.29	-0.08	0.4
Q	L	52419	SR	0.23	0.24	0.24	-0.12	-0.18	0.07	0.4
Q	O	251264	SR	0.30	0.24	-0.02	-0.20	0.24	-0.05	1.1
Q	O	251265	SR	0.44	0.43	0.43	-0.20	-0.16	-0.18	0.8
Q	O	79411	SR	0.25	0.29	-0.14	-0.07	-0.07	0.29	0.8
Q	L	108541	SR	0.17	0.20	-0.03	0.20	-0.07	-0.07	0.7
Q	L	108518	SR	0.48	0.41	0.41	-0.20	-0.19	-0.12	0.6
Q	O	52544	SR	0.42	0.40	0.40	-0.11	-0.18	-0.17	0.8
Q	L	133449	SR	0.37	0.12	-0.14	0.12	0.01	0.01	0.6
Q	L	133451	SR	0.28	0.02	0.06	0.02	-0.18	0.10	0.5
Q	O	52633	SR	0.29	0.06	0.05	-0.05	0.06	-0.12	0.4
Q	O	52680	SR	0.44	0.33	-0.14	-0.15	0.33	-0.14	0.4
Q	L	52409	SR	0.18	0.23	-0.07	0.23	-0.12	-0.08	0.4
Q	L	135129	SR	0.35	0.21	-0.10	-0.06	-0.07	0.21	0.5
Q	L	135130	SR	0.40	0.30	-0.13	-0.14	0.30	-0.09	0.5
Q	O	68232	SR	0.27	0.35	-0.08	-0.17	0.35	-0.13	0.8
Q	O	256527	SR	0.41	0.42	0.42	-0.18	-0.18	-0.15	0.4
Q	O	256525	SR	0.35	0.31	-0.10	-0.06	0.31	-0.19	0.4
Q	L	108586	SR	0.48	0.32	0.32	-0.16	-0.19	-0.08	0.8
Q	L	68153	SR	0.62	0.38	0.38	-0.21	-0.19	-0.14	0.4
Q	L	68154	SR	0.27	0.26	-0.07	0.26	-0.12	-0.05	0.6
Q	L	57000	SR	0.22	0.08	0.08	0.06	-0.08	-0.05	0.5
Q	L	136093	SR	0.18	0.02	0.07	-0.05	0.02	-0.02	0.5
Q	L	136094	SR	0.39	0.35	-0.10	0.35	-0.16	-0.15	0.5
Q	O	68286	SR	0.24	0.22	0.22	-0.11	-0.15	0.01	0.4
Q	O	56957	SR	0.24	0.31	-0.05	0.31	-0.12	-0.13	0.4

**Table 1.A32** Item Statistics, Operational Items: MD HSA Biology—Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	L	108561	SR	0.70	0.37	-0.14	-0.18	-0.21	0.37	0.5
Q	O	55075	SR	0.36	0.17	0.17	-0.04	-0.16	0.00	1.1
Q	O	55077	SR	0.27	0.15	-0.04	-0.04	0.15	-0.08	0.4
Q	O	79489	SR	0.30	0.36	-0.10	-0.08	-0.18	0.36	0.4
Q	L	65075	SR	0.50	0.42	-0.18	-0.18	-0.18	0.42	0.6
Q	L	55084	SR	0.40	0.25	0.25	-0.16	-0.06	-0.07	0.7
Q	L	55085	SR	0.29	0.24	0.24	-0.20	-0.02	-0.03	0.6
Q	L	133435	SR	0.39	0.39	0.39	-0.19	-0.13	-0.14	0.5
Q	L	52767	SR	0.18	0.30	-0.04	-0.11	0.30	-0.09	0.5
Q	L	214567	SR	0.52	0.20	-0.06	-0.10	0.20	-0.10	0.5
Q	L	214569	SR	0.40	0.25	-0.09	-0.10	-0.09	0.25	0.5
Q	L	108559	SR	0.29	0.19	-0.11	0.19	-0.16	0.07	0.6
Q	O	55260	SR	0.34	0.32	-0.23	-0.20	0.06	0.32	1.1
Q	O	55263	SR	0.49	0.34	-0.11	-0.15	0.34	-0.16	0.8
Q	O	67635	SR	0.30	0.31	-0.17	0.31	-0.13	-0.01	1.1
Q	L	79291	SR	0.25	0.20	0.20	0.02	-0.17	-0.02	0.6
Q	L	79313	SR	0.30	0.24	-0.17	0.24	-0.10	0.03	0.6
Q	L	79314	SR	0.23	0.14	-0.05	0.14	-0.03	-0.03	0.5
Q	O	64720	SR	0.38	0.30	-0.15	-0.04	-0.15	0.30	0.8
Q	L	65052	SR	0.20	0.05	0.01	0.07	-0.12	0.05	0.5
Q	O	64735	SR	0.36	0.26	0.01	-0.23	0.26	-0.05	0.8
Q	O	256544	SR	0.55	0.42	-0.14	0.42	-0.23	-0.15	1.1
Q	O	256545	SR	0.44	0.22	-0.09	-0.05	0.22	-0.07	1.1
Q	L	136137	SR	0.32	0.29	0.00	0.29	-0.17	-0.13	0.5
Q	L	136136	SR	0.43	0.29	-0.05	-0.15	-0.15	0.29	0.6
Q	L	65058	SR	0.32	0.27	-0.06	0.27	-0.11	-0.10	0.7
Q	O	57185	SR	0.33	0.30	0.30	-0.12	-0.17	-0.03	0.8
Q	L	253643	SR	0.31	0.26	-0.09	-0.07	-0.10	0.26	0.6
Q	O	175497	SR	0.44	0.15	0.09	-0.19	0.15	-0.10	0.8
Q	L	215987	SR	0.38	0.21	0.21	-0.05	-0.12	-0.06	0.8
Q	L	215988	SR	0.33	0.09	-0.05	-0.01	0.09	-0.02	1.0
Q	L	133436	SR	0.17	0.08	0.08	0.11	-0.10	-0.07	1.0
Q	O	52476	SR	0.55	0.37	-0.17	0.37	-0.20	-0.08	1.5
<b>Mean</b>				0.36	0.25	0.02	-0.01	-0.02	-0.02	0.6
<b>SD</b>				0.13	0.10	0.18	0.17	0.18	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.A33** Item Statistics, Operational Items: MD HSA English–Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	O	108901	SR	0.73	0.36	-0.20	-0.16	0.36	-0.20	0.3
P	O	108902	SR	0.41	0.22	-0.07	-0.13	0.22	-0.08	0.3
P	O	108903	SR	0.85	0.36	0.36	-0.17	-0.23	-0.19	0.0
P	O	108904	SR	0.72	0.37	0.37	-0.19	-0.17	-0.22	0.0
P	O	108906	SR	0.68	0.28	-0.10	-0.23	-0.13	0.28	0.0
P	O	130270	SR	0.49	0.14	-0.19	0.14	-0.14	0.08	0.0
P	O	256419	SR	0.56	0.23	-0.12	-0.15	0.23	-0.08	0.1
P	O	256420	SR	0.54	0.27	-0.16	-0.16	-0.06	0.27	0.0
P	O	256421	SR	0.68	0.30	-0.17	0.30	-0.12	-0.15	0.1
P	L	251157	SR	0.65	0.43	-0.20	-0.26	-0.18	0.43	0.4
P	L	256300	SR	0.66	0.43	-0.20	0.43	-0.23	-0.21	0.4
P	L	251145	SR	0.56	0.32	-0.17	0.32	-0.11	-0.17	0.9
P	O	96021	SR	0.67	0.28	-0.18	-0.23	0.28	-0.01	0.8
P	O	96022	SR	0.46	0.29	-0.04	0.29	-0.12	-0.19	0.8
P	O	96023	SR	0.36	0.44	-0.18	-0.10	-0.22	0.44	0.8
P	O	96025	SR	0.33	0.24	-0.05	-0.13	0.24	-0.08	0.5
P	L	169262	SR	0.39	0.26	0.26	-0.17	-0.03	-0.13	0.3
P	L	169269	SR	0.49	0.31	-0.12	-0.23	0.31	-0.09	0.3
P	L	169264	SR	0.72	0.43	-0.24	0.43	-0.23	-0.17	0.3
P	L	169267	SR	0.23	0.12	-0.07	0.12	-0.21	0.11	0.2
P	L	169266	SR	0.57	0.35	-0.16	-0.24	0.35	-0.09	0.3
P	L	169268	SR	0.68	0.40	-0.20	-0.21	0.40	-0.19	0.3
P	L	169270	SR	0.33	0.20	-0.10	-0.13	-0.01	0.20	0.3
P	L	243346	SR	0.33	0.27	-0.06	-0.20	-0.04	0.27	0.3
P	L	243345	SR	0.39	0.29	-0.14	0.29	-0.12	-0.07	0.5
P	L	218587	SR	0.29	0.33	-0.15	-0.07	-0.12	0.33	0.6
P	L	251071	SR	0.41	0.42	0.42	-0.16	-0.23	-0.12	0.6
P	L	218582	SR	0.32	0.32	-0.11	-0.08	-0.19	0.32	0.8
P	L	218583	SR	0.34	0.36	-0.11	0.36	-0.19	-0.08	0.8
P	L	218584	SR	0.50	0.38	-0.13	0.38	-0.20	-0.16	0.5
P	L	218589	SR	0.31	0.14	0.08	0.14	-0.13	-0.09	0.7
P	L	214713	SR	0.37	0.25	0.25	-0.07	-0.19	-0.03	0.8
P	L	214714	SR	0.46	0.25	-0.14	0.25	-0.05	-0.16	0.8
P	L	214715	SR	0.43	0.44	-0.12	-0.25	-0.16	0.44	1.0
P	L	214716	SR	0.31	0.31	0.31	-0.12	-0.08	-0.12	1.2
P	L	256291	SR	0.24	0.24	-0.05	-0.11	-0.06	0.24	1.2
P	L	130276	SR	0.33	0.14	0.01	-0.03	0.14	-0.17	1.4
P	L	130140	SR	0.26	0.23	-0.03	-0.03	-0.17	0.23	1.5
P	L	96222	SR	0.30	0.16	-0.08	-0.08	0.16	0.01	1.8
P	O	214660	SR	0.49	0.29	0.29	-0.15	-0.15	-0.07	0.4
P	O	214661	SR	0.53	0.25	-0.09	-0.11	0.25	-0.13	0.4
P	O	214662	SR	0.32	0.20	-0.05	-0.05	0.20	-0.12	0.4
P	L	169248	SR	0.37	0.39	-0.15	-0.15	-0.17	0.39	0.5

**Table 1.A33** Item Statistics, Operational Items: MD HSA English–Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	L	169250	SR	0.58	0.43	-0.16	-0.24	-0.21	0.43	0.3
P	L	169258	SR	0.68	0.35	0.35	-0.28	-0.08	-0.19	0.3
P	L	169254	SR	0.34	0.32	0.32	-0.04	-0.18	-0.14	0.3
P	L	169257	SR	0.47	0.39	-0.10	-0.23	-0.18	0.39	0.3
P	L	169249	SR	0.35	0.29	-0.04	0.29	-0.15	-0.18	0.3
P	L	169251	SR	0.53	0.33	-0.13	-0.25	0.33	-0.14	0.3
P	L	169252	SR	0.36	0.24	-0.09	-0.10	-0.09	0.24	0.5
P	L	169256	SR	0.64	0.46	-0.22	0.46	-0.23	-0.22	0.3
P	L	169260	SR	0.60	0.47	-0.21	-0.22	-0.24	0.47	0.3
P	O	214684	SR	0.53	0.35	-0.14	0.35	-0.21	-0.11	0.4
P	O	214685	SR	0.53	0.31	-0.03	0.31	-0.24	-0.15	0.5
P	O	214687	SR	0.37	0.22	-0.17	0.22	-0.16	0.07	0.4
P	O	256287	SR	0.68	0.36	-0.22	-0.17	0.36	-0.14	0.5
P	O	214688	SR	0.37	0.26	-0.09	-0.05	0.26	-0.17	0.4
P	O	214690	SR	0.48	0.32	-0.15	0.32	-0.19	-0.07	0.4
P	O	109126	SR	0.42	0.28	-0.14	-0.19	-0.04	0.28	0.5
P	O	109127	SR	0.45	0.30	-0.14	0.30	-0.14	-0.08	0.4
<b>Mean</b>				0.47	0.31	-0.06	-0.01	-0.04	0.01	0.5
<b>SD</b>				0.15	0.09	0.17	0.23	0.20	0.22	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.A34** Item Statistics, Operational Items: MD HSA English–Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	O	96238	SR	0.63	0.36	-0.20	-0.16	-0.17	0.36	0.0
Q	O	96240	SR	0.72	0.34	-0.18	-0.18	-0.17	0.34	0.3
Q	O	96241	SR	0.62	0.32	-0.17	0.32	-0.21	-0.10	0.3
Q	O	96242	SR	0.67	0.23	-0.21	0.23	-0.13	0.01	0.0
Q	O	96243	SR	0.53	0.24	-0.03	-0.17	0.24	-0.18	0.0
Q	O	96244	SR	0.20	0.21	0.00	0.21	-0.21	-0.02	0.3
Q	O	256437	SR	0.63	0.35	-0.28	-0.05	-0.15	0.35	0.5
Q	O	256439	SR	0.75	0.41	-0.27	-0.18	0.41	-0.21	0.0
Q	O	256438	SR	0.50	0.26	0.26	-0.15	-0.14	-0.06	0.0
Q	L	251157	SR	0.65	0.43	-0.20	-0.26	-0.18	0.43	0.4
Q	L	256300	SR	0.66	0.43	-0.20	0.43	-0.23	-0.21	0.4
Q	L	251145	SR	0.56	0.32	-0.17	0.32	-0.11	-0.17	0.9
Q	O	130043	SR	0.44	0.33	-0.12	-0.25	-0.05	0.33	1.0
Q	O	130044	SR	0.29	0.26	-0.14	-0.21	0.03	0.26	0.8
Q	O	130047	SR	0.71	0.31	-0.12	0.31	-0.22	-0.12	0.3
Q	O	130045	SR	0.63	0.34	-0.12	-0.18	0.34	-0.20	0.5
Q	L	169262	SR	0.39	0.26	0.26	-0.17	-0.03	-0.13	0.3
Q	L	169269	SR	0.49	0.31	-0.12	-0.23	0.31	-0.09	0.3
Q	L	169264	SR	0.72	0.43	-0.24	0.43	-0.23	-0.17	0.3
Q	L	169267	SR	0.23	0.12	-0.07	0.12	-0.21	0.11	0.2
Q	L	169266	SR	0.57	0.35	-0.16	-0.24	0.35	-0.09	0.3
Q	L	169268	SR	0.68	0.40	-0.20	-0.21	0.40	-0.19	0.3
Q	L	169270	SR	0.33	0.20	-0.10	-0.13	-0.01	0.20	0.3
Q	L	243346	SR	0.33	0.27	-0.06	-0.20	-0.04	0.27	0.3
Q	L	243345	SR	0.39	0.29	-0.14	0.29	-0.12	-0.07	0.5
Q	L	218587	SR	0.29	0.33	-0.15	-0.07	-0.12	0.33	0.6
Q	L	251071	SR	0.41	0.42	0.42	-0.16	-0.23	-0.12	0.6
Q	L	218582	SR	0.32	0.32	-0.11	-0.08	-0.19	0.32	0.8
Q	L	218583	SR	0.34	0.36	-0.11	0.36	-0.19	-0.08	0.8
Q	L	218584	SR	0.50	0.38	-0.13	0.38	-0.20	-0.16	0.5
Q	L	218589	SR	0.31	0.14	0.08	0.14	-0.13	-0.09	0.7
Q	L	214713	SR	0.37	0.25	0.25	-0.07	-0.19	-0.03	0.8
Q	L	214714	SR	0.46	0.25	-0.14	0.25	-0.05	-0.16	0.8
Q	L	214715	SR	0.43	0.44	-0.12	-0.25	-0.16	0.44	1.0
Q	L	214716	SR	0.31	0.31	0.31	-0.12	-0.08	-0.12	1.2
Q	L	256291	SR	0.24	0.24	-0.05	-0.11	-0.06	0.24	1.2
Q	L	130276	SR	0.33	0.14	0.01	-0.03	0.14	-0.17	1.4
Q	L	130140	SR	0.26	0.23	-0.03	-0.03	-0.17	0.23	1.5
Q	L	96222	SR	0.30	0.16	-0.08	-0.08	0.16	0.01	1.8
Q	O	256275	SR	0.47	0.37	-0.21	0.37	-0.26	-0.03	0.0
Q	O	256276	SR	0.79	0.45	-0.19	-0.27	0.45	-0.26	0.0
Q	O	256277	SR	0.66	0.44	-0.17	-0.24	-0.27	0.44	0.0
Q	L	169248	SR	0.37	0.39	-0.15	-0.15	-0.17	0.39	0.5



**Table 1.A34** Item Statistics, Operational Items: MD HSA English–Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	L	169250	SR	0.58	0.43	-0.16	-0.24	-0.21	0.43	0.3
Q	L	169258	SR	0.68	0.35	0.35	-0.28	-0.08	-0.19	0.3
Q	L	169254	SR	0.34	0.32	0.32	-0.04	-0.18	-0.14	0.3
Q	L	169257	SR	0.47	0.39	-0.10	-0.23	-0.18	0.39	0.3
Q	L	169249	SR	0.35	0.29	-0.04	0.29	-0.15	-0.18	0.3
Q	L	169251	SR	0.53	0.33	-0.13	-0.25	0.33	-0.14	0.3
Q	L	169252	SR	0.36	0.24	-0.09	-0.10	-0.09	0.24	0.5
Q	L	169256	SR	0.64	0.46	-0.22	0.46	-0.23	-0.22	0.3
Q	L	169260	SR	0.60	0.47	-0.21	-0.22	-0.24	0.47	0.3
Q	O	214705	SR	0.57	0.41	-0.26	-0.20	0.41	-0.11	0.3
Q	O	214706	SR	0.50	0.48	-0.22	-0.27	-0.14	0.48	0.3
Q	O	214707	SR	0.53	0.34	-0.17	0.34	-0.16	-0.14	0.0
Q	O	214708	SR	0.41	0.32	0.32	-0.07	-0.17	-0.18	0.0
Q	O	214709	SR	0.39	0.40	-0.20	0.40	-0.21	-0.08	0.0
Q	O	214710	SR	0.34	0.28	0.28	-0.23	-0.13	0.05	0.0
Q	O	96281	SR	0.49	0.37	-0.24	-0.12	0.37	-0.20	0.3
Q	O	96280	SR	0.69	0.41	0.41	-0.29	-0.20	-0.15	0.0
<b>Mean</b>				0.48	0.33	-0.07	-0.03	-0.06	0.04	0.4
<b>SD</b>				0.15	0.09	0.19	0.24	0.21	0.24	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.A35** Item Statistics, Operational Items: MD HSA Government—Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	O	223258	SR	0.84	0.31	-0.18	-0.16	-0.19	0.31	0.0
P	O	51122	SR	0.52	0.29	-0.16	0.29	-0.16	-0.07	0.2
P	O	256368	SR	0.27	0.27	0.27	0.05	-0.27	-0.01	0.0
P	L	79635	SR	0.37	0.39	0.39	-0.22	-0.04	-0.20	0.0
P	L	223259	SR	0.28	0.14	-0.10	0.14	-0.03	0.00	0.1
P	L	50912	SR	0.27	0.40	0.40	-0.18	-0.19	-0.04	0.1
P	O	51765	SR	0.25	0.29	-0.07	0.29	-0.11	-0.11	0.2
P	O	58147	SR	0.26	0.31	0.31	-0.08	-0.10	-0.13	0.2
P	O	68032	SR	0.29	0.22	-0.06	-0.02	-0.15	0.22	0.0
P	L	55554	SR	0.30	0.29	0.29	-0.17	-0.07	-0.08	0.0
P	L	214483	SR	0.24	0.23	-0.08	-0.14	0.23	-0.04	0.2
P	L	79543	SR	0.54	0.34	-0.16	0.34	-0.14	-0.18	0.4
P	L	55549	SR	0.34	0.21	0.21	-0.13	-0.16	0.03	0.4
P	L	79610	SR	0.24	0.19	-0.09	-0.17	0.19	0.08	0.2
P	L	223257	SR	0.45	0.32	-0.08	-0.11	0.32	-0.22	0.0
P	L	55572	SR	0.33	0.18	0.12	0.18	-0.20	-0.14	0.0
P	L	137288	SR	0.59	0.31	-0.09	-0.20	0.31	-0.16	0.1
P	O	79617	SR	0.18	0.15	0.15	-0.03	0.06	-0.18	0.4
P	O	79589	SR	0.60	0.30	0.30	-0.20	-0.11	-0.11	0.6
P	L	79654	SR	0.30	0.05	0.09	0.05	-0.18	0.01	0.2
P	L	51059	SR	0.22	0.08	0.03	0.08	-0.10	-0.01	0.4
P	L	58098	SR	0.53	0.34	-0.11	-0.14	-0.22	0.34	0.4
P	L	214578	SR	0.32	0.36	-0.11	-0.18	-0.12	0.36	0.5
P	L	51231	SR	0.65	0.34	-0.21	-0.14	0.34	-0.14	0.6
P	O	256371	SR	0.32	0.32	0.32	-0.10	-0.16	-0.12	0.6
P	L	132972	SR	0.30	0.27	-0.15	-0.11	0.27	-0.02	0.9
P	L	79638	SR	0.29	0.23	0.23	-0.08	-0.15	-0.01	0.6
P	L	79701	SR	0.27	0.25	-0.09	0.25	-0.06	-0.10	0.7
P	O	55469	SR	0.38	0.22	-0.15	0.22	-0.15	0.05	0.2
P	O	68688	SR	0.36	0.21	-0.05	-0.16	0.21	-0.02	0.4
P	O	108397	SR	0.17	0.03	0.08	-0.13	0.00	0.03	0.2
P	L	51235	SR	0.36	0.27	-0.02	-0.12	0.27	-0.18	0.5
P	O	55650	SR	0.46	0.37	-0.13	-0.05	-0.26	0.37	0.4
P	L	68573	SR	0.32	0.17	0.08	0.17	-0.10	-0.16	0.4
P	L	68051	SR	0.40	0.16	0.00	-0.16	0.16	-0.03	0.7
P	L	108430	SR	0.44	0.29	-0.13	0.29	-0.18	-0.05	0.4
P	O	215815	SR	0.66	0.29	-0.12	-0.14	0.29	-0.15	0.2
P	L	256365	SR	0.18	0.16	-0.07	0.05	-0.09	0.16	0.6
P	L	51045	SR	0.26	0.36	-0.14	-0.08	-0.14	0.36	0.8
P	O	68636	SR	0.33	0.17	-0.09	-0.02	0.17	-0.07	0.4
P	O	65178	SR	0.51	0.33	-0.12	-0.17	-0.15	0.33	0.2
P	O	68579	SR	0.33	0.14	0.06	0.14	-0.09	-0.14	0.2
P	L	51721	SR	0.29	-0.01	0.11	-0.01	-0.07	-0.01	0.6

**Table 1.A35** Item Statistics, Operational Items: MD HSA Government—Summer 2009 Primary 1

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
P	L	79679	SR	0.37	0.30	-0.12	-0.12	0.30	-0.09	0.5
P	O	58409	SR	0.24	0.16	-0.12	-0.05	0.01	0.16	0.6
P	L	79737	SR	0.21	0.07	-0.11	0.07	-0.14	0.16	0.5
P	L	108350	SR	0.31	0.27	-0.14	-0.05	-0.10	0.27	0.5
P	L	137302	SR	0.25	0.15	0.15	0.03	-0.12	-0.06	0.5
P	O	55587	SR	0.60	0.35	0.35	-0.20	-0.14	-0.16	0.4
P	O	58388	SR	0.52	0.21	0.21	-0.14	-0.10	-0.03	0.4
P	L	108479	SR	0.46	0.32	-0.10	-0.16	0.32	-0.14	0.4
P	O	137284	SR	0.60	0.41	0.41	-0.21	-0.17	-0.20	0.4
P	L	79670	SR	0.24	0.24	0.24	-0.08	-0.10	-0.04	0.4
P	L	68787	SR	0.36	0.20	0.03	0.20	-0.16	-0.09	0.4
P	O	214513	SR	0.29	0.08	-0.02	-0.10	0.04	0.08	0.2
P	L	68726	SR	0.61	0.32	-0.18	0.32	-0.22	-0.05	0.5
P	O	60451	SR	0.41	0.35	-0.11	-0.17	0.35	-0.15	0.4
P	L	68023	SR	0.29	0.33	0.33	-0.13	-0.13	-0.07	0.7
P	L	79703	SR	0.59	0.41	-0.15	-0.16	-0.24	0.41	0.5
P	L	67996	SR	0.37	0.27	-0.02	-0.17	0.27	-0.11	0.6
P	O	215811	SR	0.59	0.46	-0.17	-0.19	-0.27	0.46	0.2
P	L	214481	SR	0.22	0.25	-0.18	0.25	-0.16	0.07	0.6
P	O	79572	SR	0.27	0.16	-0.02	0.05	-0.19	0.16	0.2
P	O	256364	SR	0.38	0.23	-0.12	-0.19	0.01	0.23	0.4
P	L	215809	SR	0.20	0.14	0.05	0.14	-0.08	-0.11	0.5
P	O	68009	SR	0.26	0.24	0.24	-0.13	-0.11	-0.02	0.2
P	L	214580	SR	0.38	0.28	-0.08	-0.17	0.28	-0.06	0.5
P	O	52257	SR	0.41	0.26	0.26	-0.09	-0.13	-0.10	0.4
P	L	79634	SR	0.31	0.07	-0.10	-0.20	0.07	0.18	0.5
P	L	64952	SR	0.33	-0.01	-0.03	-0.01	-0.07	0.11	0.6
P	L	52248	SR	0.38	0.20	-0.14	-0.10	0.20	0.00	0.6
P	L	214509	SR	0.29	0.27	0.27	-0.16	-0.03	-0.08	0.7
P	L	108444	SR	0.51	0.34	-0.18	0.34	-0.16	-0.11	0.5
P	O	256382	SR	0.54	0.34	-0.13	0.34	-0.18	-0.16	0.4
P	L	79746	SR	0.30	0.34	-0.01	-0.10	-0.23	0.34	0.6
P	L	65174	SR	0.21	0.14	0.14	0.13	-0.20	-0.09	0.7
P	L	256346	SR	0.25	0.14	-0.03	-0.15	0.07	0.14	0.5
P	L	108441	SR	0.52	0.39	0.39	-0.20	-0.20	-0.13	0.5
P	O	51257	SR	0.45	0.31	0.31	-0.17	-0.14	-0.07	0.6
P	L	132967	SR	0.34	0.34	-0.11	-0.15	-0.11	0.34	0.8
P	O	50848	SR	0.22	0.15	0.15	-0.07	-0.05	-0.01	0.4
P	O	256354	SR	0.48	0.31	-0.14	-0.15	-0.10	0.31	0.4
<b>Mean</b>				0.37	0.25	0.02	-0.04	-0.04	0.01	0.4
<b>SD</b>				0.14	0.10	0.18	0.16	0.17	0.17	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.A36** Item Statistics, Operational Items: MD HSA Government—Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	O	79602	SR	0.71	0.39	-0.20	0.39	-0.23	-0.16	0.3
Q	O	64962	SR	0.50	0.32	-0.17	-0.14	-0.15	0.32	0.0
Q	O	51772	SR	0.51	0.41	-0.19	-0.21	-0.15	0.41	0.0
Q	L	79635	SR	0.37	0.39	0.39	-0.22	-0.04	-0.20	0.0
Q	L	223259	SR	0.28	0.14	-0.10	0.14	-0.03	0.00	0.1
Q	L	50912	SR	0.27	0.40	0.40	-0.18	-0.19	-0.04	0.1
Q	O	79560	SR	0.22	0.24	-0.12	-0.03	-0.09	0.24	0.0
Q	O	108401	SR	0.46	0.33	-0.22	0.33	-0.12	-0.10	0.3
Q	O	68746	SR	0.58	0.38	0.38	-0.21	-0.21	-0.14	0.0
Q	L	55554	SR	0.30	0.29	0.29	-0.17	-0.07	-0.08	0.0
Q	L	214483	SR	0.24	0.23	-0.08	-0.14	0.23	-0.04	0.2
Q	L	79543	SR	0.54	0.34	-0.16	0.34	-0.14	-0.18	0.4
Q	L	55549	SR	0.34	0.21	0.21	-0.13	-0.16	0.03	0.4
Q	L	79610	SR	0.24	0.19	-0.09	-0.17	0.19	0.08	0.2
Q	L	223257	SR	0.45	0.32	-0.08	-0.11	0.32	-0.22	0.0
Q	L	55572	SR	0.33	0.18	0.12	0.18	-0.20	-0.14	0.0
Q	L	137288	SR	0.59	0.31	-0.09	-0.20	0.31	-0.16	0.1
Q	O	52201	SR	0.48	0.42	0.42	-0.17	-0.29	-0.13	0.3
Q	O	52265	SR	0.67	0.33	-0.24	0.33	-0.11	-0.15	0.3
Q	L	79654	SR	0.30	0.05	0.09	0.05	-0.18	0.01	0.2
Q	L	51059	SR	0.22	0.08	0.03	0.08	-0.10	-0.01	0.4
Q	L	58098	SR	0.53	0.34	-0.11	-0.14	-0.22	0.34	0.4
Q	L	214578	SR	0.32	0.36	-0.11	-0.18	-0.12	0.36	0.5
Q	L	51231	SR	0.65	0.34	-0.21	-0.14	0.34	-0.14	0.6
Q	O	79739	SR	0.61	0.49	0.49	-0.29	-0.22	-0.19	0.9
Q	L	132972	SR	0.30	0.27	-0.15	-0.11	0.27	-0.02	0.9
Q	L	79638	SR	0.29	0.23	0.23	-0.08	-0.15	-0.01	0.6
Q	L	79701	SR	0.27	0.25	-0.09	0.25	-0.06	-0.10	0.7
Q	O	256355	SR	0.52	0.29	-0.03	0.29	-0.22	-0.12	0.6
Q	O	55658	SR	0.42	0.28	0.28	-0.14	-0.10	-0.09	0.6
Q	O	65187	SR	0.22	0.19	0.05	-0.14	-0.07	0.19	0.6
Q	L	51235	SR	0.36	0.27	-0.02	-0.12	0.27	-0.18	0.5
Q	O	223261	SR	0.61	0.50	-0.19	-0.29	-0.21	0.50	0.6
Q	L	68573	SR	0.32	0.17	0.08	0.17	-0.10	-0.16	0.4
Q	L	68051	SR	0.40	0.16	0.00	-0.16	0.16	-0.03	0.7
Q	L	108430	SR	0.44	0.29	-0.13	0.29	-0.18	-0.05	0.4
Q	O	55649	SR	0.40	0.33	0.00	-0.22	0.33	-0.20	0.6
Q	L	256365	SR	0.18	0.16	-0.07	0.05	-0.09	0.16	0.6
Q	L	51045	SR	0.26	0.36	-0.14	-0.08	-0.14	0.36	0.8
Q	O	68054	SR	0.37	0.27	0.27	-0.13	-0.05	-0.11	0.9
Q	O	68701	SR	0.64	0.46	-0.21	-0.25	-0.18	0.46	1.2
Q	O	58304	SR	0.37	0.45	-0.12	-0.18	-0.20	0.45	0.6
Q	L	51721	SR	0.29	-0.01	0.11	-0.01	-0.07	-0.01	0.6
Q	L	79679	SR	0.37	0.30	-0.12	-0.12	0.30	-0.09	0.5

**Table 1.A36** Item Statistics, Operational Items: MD HSA Government—Summer 2009 Primary 2

Form	Anchor_Status	ItemID	Item Type	P_Val	R_ITT	P_BIS1	P_BIS2	P_BIS3	P_BIS4	%Omits
Q	O	52190	SR	0.30	0.06	0.02	0.06	0.00	-0.07	0.6
Q	L	79737	SR	0.21	0.07	-0.11	0.07	-0.14	0.16	0.5
Q	L	108350	SR	0.31	0.27	-0.14	-0.05	-0.10	0.27	0.5
Q	L	137302	SR	0.25	0.15	0.15	0.03	-0.12	-0.06	0.5
Q	O	65209	SR	0.52	0.41	-0.20	-0.26	-0.12	0.41	0.6
Q	O	58251	SR	0.38	0.47	-0.28	-0.17	-0.09	0.47	0.3
Q	L	108479	SR	0.46	0.32	-0.10	-0.16	0.32	-0.14	0.4
Q	O	60448	SR	0.40	0.45	-0.07	-0.23	-0.23	0.45	0.9
Q	L	79670	SR	0.24	0.24	0.24	-0.08	-0.10	-0.04	0.4
Q	L	68787	SR	0.36	0.20	0.03	0.20	-0.16	-0.09	0.4
Q	O	79565	SR	0.45	0.28	-0.13	0.28	-0.12	-0.08	1.2
Q	L	68726	SR	0.61	0.32	-0.18	0.32	-0.22	-0.05	0.5
Q	O	68586	SR	0.50	0.37	-0.14	0.37	-0.24	-0.07	0.9
Q	L	68023	SR	0.29	0.33	0.33	-0.13	-0.13	-0.07	0.7
Q	L	79703	SR	0.59	0.41	-0.15	-0.16	-0.24	0.41	0.5
Q	L	67996	SR	0.37	0.27	-0.02	-0.17	0.27	-0.11	0.6
Q	O	52192	SR	0.62	0.53	-0.33	-0.21	0.53	-0.17	0.9
Q	L	214481	SR	0.22	0.25	-0.18	0.25	-0.16	0.07	0.6
Q	O	50925	SR	0.30	0.15	0.15	0.07	-0.22	-0.04	0.9
Q	O	256414	SR	0.60	0.48	-0.19	-0.26	-0.20	0.48	0.6
Q	L	215809	SR	0.20	0.14	0.05	0.14	-0.08	-0.11	0.5
Q	O	137280	SR	0.36	0.38	-0.16	0.38	-0.20	-0.02	1.2
Q	L	214580	SR	0.38	0.28	-0.08	-0.17	0.28	-0.06	0.5
Q	O	79642	SR	0.29	0.26	-0.24	-0.21	0.09	0.26	1.2
Q	L	79634	SR	0.31	0.07	-0.10	-0.20	0.07	0.18	0.5
Q	L	64952	SR	0.33	-0.01	-0.03	-0.01	-0.07	0.11	0.6
Q	L	52248	SR	0.38	0.20	-0.14	-0.10	0.20	0.00	0.6
Q	L	214509	SR	0.29	0.27	0.27	-0.16	-0.03	-0.08	0.7
Q	L	108444	SR	0.51	0.34	-0.18	0.34	-0.16	-0.11	0.5
Q	O	256398	SR	0.69	0.42	-0.20	-0.19	0.42	-0.20	1.2
Q	L	79746	SR	0.30	0.34	-0.01	-0.10	-0.23	0.34	0.6
Q	L	65174	SR	0.21	0.14	0.14	0.13	-0.20	-0.09	0.7
Q	L	256346	SR	0.25	0.14	-0.03	-0.15	0.07	0.14	0.5
Q	L	108441	SR	0.52	0.39	0.39	-0.20	-0.20	-0.13	0.5
Q	O	256404	SR	0.53	0.39	-0.23	-0.22	0.39	-0.05	0.9
Q	L	132967	SR	0.34	0.34	-0.11	-0.15	-0.11	0.34	0.8
Q	O	108342	SR	0.32	0.34	0.34	-0.13	-0.13	-0.08	0.9
Q	O	256344	SR	0.62	0.47	-0.21	-0.24	-0.21	0.47	0.6
<b>Mean</b>				0.40	0.29	-0.02	-0.04	-0.05	0.04	0.5
<b>SD</b>				0.14	0.12	0.19	0.19	0.20	0.21	0.3

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

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