Appendix A

ESTIMATED ITEM PARAMETERS

Appendix A: Estimated Item Parameters
NATIONAL ADULT LITERACY SURVEY

				PROSE				
NAL ID	A	SE	B	SE	C	SE	BLOCK	ITEM
AB21101	1.12541	0.04204	-1.90129	0.04888	0.00000	0.00000	B	11
AB21201	1.07025	0.02913	-1.12479	0.02744	0.00000	0.00000	B	12
AB30501	0.59088	0.01569	0.59334	0.02292	0.00000	0.00000	C	5
AB30601	0.91549	0.02386	0.34748	0.01890	0.00000	0.00000	C	6
AB31201	0.72520	0.01805	0.69108	0.02013	0.00000	0.00000	C	12
AB40901	0.82634	0.01892	0.16578	0.01763	0.00000	0.00000	D	9
AB41001	0.62236	0.02095	-1.43344	0.05300	0.00000	0.00000	D	10
AB50101	0.46634	0.01641	2.11237	0.05732	0.00000	0.00000	E	1
AB50201	1.16067	0.03631	0.86105	0.01786	0.19631	0.00000	E	2
AB60201	1.24079	0.02754	-0.44014	0.01576	0.00000	0.00000	F	2
AB60601	0.80877	0.01990	-0.31995	0.02154	0.00000	0.00000	F	6
AB70401	0.70551	0.01851	-0.76529	0.02921	0.00000	0.00000	G	4
AB71001	1.37774	0.04293	-0.30561	0.02074	0.26646	0.00000	G	10
AB71101	0.78267	0.02175	0.48208	0.02147	0.00000	0.00000	G	11
NC00301	0.89266	0.03490	-3.22823	0.09046	0.00000	0.00000	CORE	3
NC00401	0.76513	0.01644	-1.93599	0.03498	0.00000	0.00000	CORE	4
N010101	0.86858	0.02570	0.60760	0.02239	0.00000	0.00000	A	1
N010201	1.05942	0.03120	-0.40290	0.02249	0.00000	0.00000	A	2
N010301	0.78697	0.03141	2.13821	0.05369	0.00000	0.00000	A	3
N080101	1.32888	0.05177	-1.44713	0.03620	0.00000	0.00000	H	1
N080201	1.51648	0.04358	-0.38940	0.01722	0.00000	0.00000	H	2
N080301	0.61896	0.02120	0.48631	0.02867	0.00000	0.00000	H	3
N090601	1.87803	0.06406	-0.74821	0.01880	0.00000	0.00000	I	6
N090701	1.80488	0.06026	-0.69902	0.01881	0.00000	0.00000	I	7
N090801	1.23905	0.03753	1.09108	0.02071	0.00000	0.00000	I	8
N100101	1.46688	0.05219	-1.14666	0.02728	0.00000	0.00000	J	1
N100201	1.29706	0.03719	-0.34594	0.01889	0.00000	0.00000	J	2
N100301	1.18710	0.03428	-0.34391	0.02013	0.00000	0.00000	J	3
N100401	0.84168	0.02718	1.23642	0.02927	0.00000	0.00000	J	4

PROSE								
NAL ID	**A**	**SE**	**B**	**SE**	**C**	**SE**	**BLOCK**	**ITEM**
N110101	0.98825	0.03283	-0.97143	0.03235	0.00000	0.00000	K	1
N110401	0.77035	0.02454	-0.19160	0.02722	0.00000	0.00000	K	4
N110501	0.93935	0.03062	-0.73081	0.03031	0.00000	0.00000	K	5
N110601	1.04481	0.03940	1.95448	0.03872	0.00000	0.00000	K	6
N120301	1.07451	0.03037	0.14152	0.01909	0.00000	0.00000	L	3
N120401	1.16237	0.03232	0.22911	0.01789	0.00000	0.00000	L	4
N120501	0.92685	0.03702	2.10722	0.04855	0.00000	0.00000	L	5
N120901	0.88878	0.04458	-2.06119	0.08039	0.00000	0.00000	L	9
N130201	1.08905	0.03043	0.31566	0.01866	0.00000	0.00000	M	2
N130301	0.97807	0.03057	1.21360	0.02599	0.00000	0.00000	M	3
N130401	1.57618	0.04556	0.97858	0.01654	0.00000	0.00000	M	4
N130801	0.73534	0.02758	-1.01262	0.04397	0.00000	0.00000	M	8

DOCUMENT								
NAL ID	A	SE	B	SE	C	SE	BLOCK	ITEM
SCOR100	0.50477	0.02590	-4.80384	0.24886	0.00000	0.00000	CORE	1
SCOR300	0.91752	0.02517	-2.52522	0.05845	0.00000	0.00000	CORE	2
AB20101	1.15374	0.04514	-0.19348	0.05430	0.22802	0.03016	B	1
AB20201	0.93557	0.03047	-0.02307	0.04597	0.09655	0.02347	B	2
AB20301	1.08976	0.03692	0.68447	0.03114	0.14215	0.01513	B	3
AB20401	0.47887	0.01971	-0.46797	0.11156	0.14409	0.03626	B	4
AB20501	0.41467	0.01723	-0.77194	0.11128	0.08838	0.03129	B	5
AB20601	1.07779	0.03477	-0.14302	0.04175	0.10587	0.02339	B	6
AB20701	0.52151	0.02476	0.29345	0.10693	0.13091	0.03537	B	7
AB20801	1.28204	0.04413	0.90155	0.02487	0.14404	0.01259	B	8
AB20901	1.16899	0.03276	1.52080	0.02177	0.16275	0.00826	B	9
AB21001	0.73014	0.03145	0.52075	0.06625	0.14440	0.02693	B	10
AB21501	0.79908	0.02419	-0.57187	0.03812	0.00000	0.00000	B	15
AB30101	0.95382	0.02782	-0.95612	0.03603	0.00000	0.00000	C	1
AB30301	0.90436	0.02562	-0.84497	0.03478	0.00000	0.00000	C	3
AB30401	0.66593	0.01762	-0.08909	0.02804	0.00000	0.00000	C	4
AB30701	0.96073	0.02640	-0.70250	0.03090	0.00000	0.00000	C	7
AB30801	0.70440	0.01747	0.92937	0.01961	0.00000	0.00000	C	8
AB30901	0.29941	0.01333	-0.00016	0.05623	0.00000	0.00000	C	9
AB31001	0.83122	0.01999	0.28507	0.02026	0.00000	0.00000	C	10
AB31101	0.76160	0.02031	-0.25692	0.02883	0.00000	0.00000	C	11
AB31301	0.72146	0.02463	-1.17011	0.05551	0.00000	0.00000	C	13
AB40101	0.82062	0.02471	-1.06345	0.04192	0.00000	0.00000	D	1
AB40401	1.10828	0.02302	0.71717	0.01385	0.00000	0.00000	D	4
AB50401	0.77263	0.02232	-0.88270	0.03944	0.00000	0.00000	E	4
AB50402	0.77114	0.01825	0.39658	0.01995	0.00000	0.00000	E	4
AB50501	0.35970	0.01410	-0.51177	0.06071	0.00000	0.00000	E	5
AB50601	1.00104	0.02392	-0.08331	0.02093	0.00000	0.00000	E	6
AB50701	1.18249	0.02992	-0.37345	0.02205	0.00000	0.00000	E	7
AB50801	0.73380	0.02581	-1.36581	0.06034	0.00000	0.00000	E	8
AB50901	0.88412	0.02266	-0.19958	0.02533	0.00000	0.00000	E	9
AB60101	1.25423	0.03179	-0.49715	0.02132	0.00000	0.00000	F	1

			DOCUMENT					
NAL ID	A	SE	B	SE	C	SE	BLOCK	ITEM
AB60102	1.40817	0.03524	-0.42516	0.01874	0.00000	0.00000	F	1
AB60103	0.99335	0.02654	-0.67415	0.02842	0.00000	0.00000	F	1
AB60104	1.53757	0.04048	-0.52476	0.01882	0.00000	0.00000	F	1
AB60301	1.45438	0.05419	-1.28304	0.03604	0.00000	0.00000	F	3
AB60302	1.06892	0.03859	-1.43441	0.04847	0.00000	0.00000	F	3
AB60303	0.90384	0.02447	-0.68004	0.03076	0.00000	0.00000	F	3
AB60304	0.89514	0.01998	0.46187	0.01722	0.00000	0.00000	F	3
AB60305	0.64035	0.01743	-0.22092	0.03069	0.00000	0.00000	F	3
AB60306	0.94756	0.02705	-0.86793	0.03380	0.00000	0.00000	F	3
AB60501	1.10267	0.02487	1.93775	0.01926	0.00000	0.00000	F	5
AB60502	1.08158	0.02316	0.78254	0.01425	0.00000	0.00000	F	5
AB60701	1.17906	0.04573	-1.29572	0.04760	0.00000	0.00000	F	7
AB60801	1.01657	0.04270	-1.53935	0.06363	0.00000	0.00000	F	8
AB60802	1.23196	0.05855	-1.62019	0.06426	0.00000	0.00000	F	8
AB60803	1.43895	0.07608	-1.64959	0.06318	0.00000	0.00000	F	8
AB61001	0.76644	0.03042	-1.45425	0.06986	0.00000	0.00000	F	10
AB70104	0.54278	0.02446	-2.33730	0.11924	0.00000	0.00000	G	1
AB70301	0.75388	0.01890	-0.13404	0.02574	0.00000	0.00000	G	3
AB70701	0.79927	0.01974	-0.12643	0.02461	0.00000	0.00000	G	7
AB70801	1.14286	0.03314	-0.88087	0.03047	0.00000	0.00000	G	8
AB70901	0.99034	0.03059	-1.08894	0.03902	0.00000	0.00000	G	9
AB70902	0.85846	0.02167	-0.30332	0.02599	0.00000	0.00000	G	9
AB70903	1.26606	0.03805	-0.92160	0.02946	0.00000	0.00000	G	9
AB71201	0.93964	0.04169	-1.80154	0.07770	0.00000	0.00000	G	12
N010401	0.90290	0.03889	-1.34078	0.06201	0.00000	0.00000	A	4
N010801	0.80799	0.02813	-0.46332	0.03855	0.00000	0.00000	A	8
N010901	0.72077	0.02450	1.70210	0.03226	0.00000	0.00000	A	9
N011001	0.64599	0.02247	0.26092	0.03246	0.00000	0.00000	A	10
AB70105	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	G	1
N080601	1.03992	0.02930	0.50524	0.02007	0.00000	0.00000	H	6
N080701	1.09493	0.03435	-0.31250	0.02734	0.00000	0.00000	H	7
N080801	0.76325	0.02370	0.56953	0.02519	0.00000	0.00000	H	8

DOCUMENT								
NAL ID	A	SE	B	SE	C	SE	BLOCK	ITEM
N080802	1.35711	0.04834	-0.68388	0.02975	0.00000	0.00000	H	8
N090301	1.12350	0.04897	-1.22466	0.05147	0.00000	0.00000	I	3
N090401	0.98761	0.03333	-0.44820	0.03256	0.00000	0.00000	I	4
N090501	0.67120	0.02441	-0.30100	0.04074	0.00000	0.00000	I	5
N100501	1.03859	0.02982	0.48633	0.02010	0.00000	0.00000	J	5
N100601	1.13463	0.03235	1.28460	0.01915	0.00000	0.00000	J	6
N100701	1.12769	0.03464	2.30042	0.03207	0.00000	0.00000	J	7
N110301	0.81191	0.02964	-0.74287	0.04522	0.00000	0.00000	K	3
N110302	0.71414	0.02863	-1.02576	0.05940	0.00000	0.00000	K	3
N110701	0.46961	0.02024	0.12592	0.04748	0.00000	0.00000	K	7
N110901	0.82921	0.03133	1.88254	0.03287	0.00000	0.00000	K	9
N120101	0.98552	0.03638	-0.80163	0.04050	0.00000	0.00000	L	1
N120201	0.84221	0.02873	-0.40312	0.03522	0.00000	0.00000	L	2
N120601	0.79549	0.03735	-1.48811	0.07739	0.00000	0.00000	L	6
N130101	1.61922	0.04936	-0.09574	0.01793	0.00000	0.00000	M	1
N130102	1.27041	0.04351	-0.54440	0.02829	0.00000	0.00000	M	1
N130103	2.10560	0.07196	-0.29053	0.01687	0.00000	0.00000	M	1
N130104	2.15938	0.06948	-0.11128	0.01494	0.00000	0.00000	M	1

QUANTITATIVE								
NAL ID	A	SE	B	SE	C	SE	BLOCK	ITEM
AB40201	0.81800	0.01920	0.45529	0.01728	0.00000	0.00000	D	2
AB40301	0.81591	0.03463	0.21661	0.02953	0.44751	0.00000	D	3
AB40501	0.90966	0.02044	0.00576	0.01605	0.00000	0.00000	D	5
AB40601	0.95267	0.02175	-0.52245	0.01879	0.00000	0.00000	D	6
AB40701	1.59726	0.03487	-0.50086	0.01312	0.00000	0.00000	D	7
AB40702	1.93608	0.04230	-0.34473	0.01086	0.00000	0.00000	D	7
AB40703	1.87367	0.04067	-0.33187	0.01101	0.00000	0.00000	D	7
AB40704	1.97024	0.04291	-0.29467	0.01051	0.00000	0.00000	D	7
AB50301	0.60154	0.02076	1.52255	0.04321	0.00000	0.00000	E	3
AB50403	0.60917	0.01605	0.60064	0.02315	0.00000	0.00000	E	4
AB50404	0.96847	0.02339	-0.95191	0.02270	0.00000	0.00000	E	4
AB60901	0.50410	0.01569	-0.35528	0.03111	0.00000	0.00000	F	9
AB70501	0.89357	0.01985	0.09082	0.01626	0.00000	0.00000	G	5
AB70601	0.87252	0.01961	0.38444	0.01658	0.00000	0.00000	G	6
AB70904	0.86946	0.02907	-1.97025	0.04982	0.00000	0.00000	G	9
NC00501	0.66137	0.01774	-2.79229	0.06017	0.00000	0.00000	CORE	5
NC00601	0.71757	0.01389	-1.69034	0.02838	0.00000	0.00000	CORE	6
N010501	0.85146	0.02699	-0.76868	0.02957	0.00000	0.00000	A	5
N010601	1.12179	0.03237	0.71700	0.01979	0.00000	0.00000	A	6
N010701	1.03353	0.02945	0.41126	0.01952	0.00000	0.00000	A	7
N011101	1.03451	0.03042	0.19559	0.01995	0.00000	0.00000	A	11
N080401	0.69649	0.02275	0.52081	0.02695	0.00000	0.00000	H	4
N080501	0.75721	0.02374	-0.24795	0.02594	0.00000	0.00000	H	5
N080901	0.85076	0.02710	0.85616	0.02603	0.00000	0.00000	H	9
N081001	0.73272	0.02392	0.12226	0.02560	0.00000	0.00000	H	10
N090101	1.34693	0.03733	-0.01808	0.01640	0.00000	0.00000	I	1
N090201	1.67703	0.04789	-0.34944	0.01554	0.00000	0.00000	I	2
N090901	0.78973	0.02875	-1.00384	0.04000	0.00000	0.00000	I	9
N091001	0.63476	0.02629	1.37112	0.04532	0.00000	0.00000	I	10
N100801	0.64782	0.02784	-1.73791	0.06814	0.00000	0.00000	J	8
N100901	0.62252	0.02245	-0.26352	0.03224	0.00000	0.00000	J	9
N101001	0.94371	0.03186	-0.83751	0.03112	0.00000	0.00000	J	10

			QUANTITATIVE					
NAL ID	A	SE	B	SE	C	SE	BLOCK	ITEM
N110201	1.03343	0.03035	0.74076	0.02128	0.00000	0.00000	K	2
N110303	0.78964	0.03160	-1.73049	0.05686	0.00000	0.00000	K	3
N110801	0.88151	0.02997	-0.49499	0.02909	0.00000	0.00000	K	8
N120701	0.90911	0.02939	-0.84546	0.02993	0.00000	0.00000	L	7
N120801	1.01300	0.03078	0.83053	0.02265	0.00000	0.00000	L	8
N121001	1.01768	0.03123	0.21765	0.02054	0.00000	0.00000	L	10
N121101	0.95960	0.03595	1.51759	0.03591	0.00000	0.00000	L	11
N130501	0.65539	0.02303	0.81932	0.03207	0.00000	0.00000	M	5
N130601	1.11183	0.03182	-0.18439	0.01963	0.00000	0.00000	M	6
N130701	0.84576	0.03479	1.96223	0.05280	0.00000	0.00000	M	7
N130901	0.94575	0.03054	0.49942	0.02255	0.00000	0.00000	M	9

Appendix B

CONDITIONING VARIABLES

Appendix B: Conditioning Variables
NATIONAL ADULT LITERACY SURVEY
Contrast Coding for the MGROUP Conditioning Variables

	Item #	Question	Contrast Coding	Variable Coding
	B-1	Highest level of education completed in the USA?	1000000000000 0100000000000 0010000000000 0001000000000 0000000000000 0000100000000 0000010000000 0000001000000 0000000100000 0000000010000 0000000001000 0000000000100 0000000000010 0000000000001	Still in high school Less than high school Some high school GED or high school equivalency High school graduate Vocational College: less than two years College: Associate's degree College: two years or more, no degree College graduate (B.S. or B.A.) Postgraduate, no degree Postgraduate, degree Don't know Missing
	B-3	Studied for a GED or high school equivalency?	00 10 01	Yes No Missing
SECTION F: Demographic Information				
	F-1	Highest level of education your mother completed?	100000000000 010000000000 001000000000 000000000000 000100000000 000010000000 000001000000 000000100000 000000010000 000000001000 000000000100 000000000010 000000000001	Less than high school Some high school GED or high school equivalency High school graduate Vocational College: less than two years College: Associate's degree College: two years or more, no degree College graduate (B.S. or B.A.) Postgraduate, no degree Postgraduate, degree Don't know Missing
	F-2	Highest level of education your father completed?	100000000000 010000000000 001000000000 000000000000 000100000000 000010000000 000001000000 000000100000 000000010000 000000001000 000000000100 000000000010 000000000001	Less than high school Some high school GED or high school equivalency High school graduate Vocational College: less than two years College: Associate's degree College: two years or more, no degree College graduate (B.S. or B.A.) Postgraduate, no degree Postgraduate, degree Don't know Missing
	F-3	Current marital status?	100000 000000 010000 001000 000100 000010 000001	Never married Married, living with spouse Married, spouse living elsewhere Living as married Separated or divorced Widowed Missing
	F-4	Including yourself, how many in family employed part-time?	0000 1000 0100 0010 0001	None One Two Three or more Missing

	Item #	Question	Contrast Coding	Variable Coding
	F-5	Including yourself, how many in family employed full-time?	1000 0000 0100 0010 0001	None One Two Three or more Missing
	F-6	Did you or a family member receive any of the following during the past 12 months? Social Security or Railroad Retirement payments?	10 00 01	Yes No Missing
		Supplemental Security income?	10 00 01	Yes No Missing
		Other retirement, survivor, or disability payments?	10 00 01	Yes No Missing
		Aid to Families with Dependent Children?	10 00 01	Yes No Missing
		Food stamps?	10 00 01	Yes No Missing
		Interest from savings or other bank accounts?	10 00 01	Yes No Missing
		Dividend income from stocks, mutual funds, rental property, etc?	10 00 01	Yes No Missing
		Income from other sources?	10 00 01	Yes No Missing
		None.	10 00 01	Yes No Missing
	F-7	Total family income?	1000000000 0100000000 0010000000 0001000000 0000100000 0000000000 0000010000 0000001000 0000000100 0000000010 0000000001 0000000001 0000000001	Under $5,000 $ 5,000 - $9,999 $10,000 - $14,999 $15,000 - $19,999 $20,000 - $29,999 $30,000 - $39,999 $40,000 - $49,999 $50,000 - $74,999 $75,000 - $99,999 $100,000 and over Refused Don't know Missing
	F-8	Personal income?	10000000000 01000000000 00100000000 00010000000 00001000000 00000000000 00000100000 00000010000 00000001000 00000000100 00000000010 00000000001 00000000001 00000000001	Under $5,000 $ 5,000 - $9,999 $10,000 - $14,999 $15,000 - $19,999 $20,000 - $29,999 $30,000 - $39,999 $40,000 - $49,999 $50,000 - $74,999 $75,000 - $99,999 $100,000 and over No personal income Refused Don't know Missing

	Item #	Question	Contrast Coding	Variable Coding
	F-9	Race/ethnicity?	1000000000	Black not Hispanic
			0100000000	Hispanic, Mexicano, Mexican, Mexican American, or Chicano
			0010000000	Hispanic, Puerto Rican
			0001000000	Hispanic, Cuban
			0000100000	Hispanic, Central/South American or other Spanish
			0000010000	Asian
			0000001000	American Indian or Alaskan Native
			0000000100	Pacific Islander
			0000000000	White
			0000000010	Other
			0000000001	Missing
	F-10	Are you of Spanish or Hispanic origin or descent?	10	Yes
			00	No
			01	Missing
	F-11	Which best describes your Hispanic origin?	00000	Mexicano, Mexican, Mexican American, or Chicano
			10000	Puerto Rican
			01000	Cuban
			00100	Central/South American
			00010	Other Spanish/Hispanic
			00001	Missing or does not apply
	F-12	Date of birth-Age?		Actual age (Range 16-100) Missing = 40 (9 cases)
	F-13	Sex?	10	Male
			00	Female
			01	Missing
		Census Region of the country. (cannot be missing)	100	Northeast
			000	Midwest
			010	South
			001	West
SECTION A: General and Language Background				
Derived	A-1	In what country were you born?	00000	USA
			10000	Spanish speaking countries
			01000	European language countries
			00100	Asian language countries
			00010	All other counties
			00001	Missing
	A-2	How many years have you lived in the United States?	1	1 - 5 years
			2	6 - 10 years
			3	11 - 15 years
			4	16 - 20 years
			5	21 - 30 years
			6	31 - 40 years
			7	41 - 50 years
			8	51 or more years
			9	Missing by design - skip pattern
Derived	A-2b	Age of arrival in the USA ? (Age minus median of A-2)	0	Born in the USA or missing
			0	Negative values
				Age 1 to 90
	A-3	Highest education before coming to the USA?	100	Born in the USA or missing
			000	Primary or elementary (codes 2 & 3)
			010	Some schooling (codes 4 to 7)
			001	No schooling (code 1)

	Item #	Question	Contrast Coding	Variable Coding
Derived	A-4	Languages spoken in the home while growing up?	0000000000 1000000000 0100000000 0010000000 0001000000 0000100000 0000010000 0000001000 0000000100 0000000010 0000000001	English only English & Spanish English & European English & Asian Spanish & other Other & other Spanish only European only Asian only English & other Missing
Derived	A-5	Languages learned to speak before starting school?	0000000000 1000000000 0100000000 0010000000 0001000000 0000100000 0000010000 0000001000 0000000100 0000000010 0000000001	English only English & Spanish English & European English & Asian Spanish & other Other & other Spanish only European only Asian only English & other Missing
Derived	A-6	What language did you first learn to read and write?	000000 100000 010000 001000 000100 000010 000001	English Spanish European Asian Other non-English language Never learned to read and write Missing
	A-7	How old were you when you learned to speak English?	000000 100000 010000 001000 000100 000010 000001	1 - 4 years old 5 - 10 years old 11 - 15 years old 16 - 20 years old 21 or older Does not speak English Missing
	A-8	With regard to (NON-ENGLISH LANGUAGE IN A-5) how well do you understand it when it is spoken to you?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing
		speak it?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing
		read it?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing
		write it?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing
	A-9	With regard to (NON-ENGLISH LANGUAGE IN A-5) how often do you listen to radio programs in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing

	Item #	Question	Contrast Coding	Variable Coding
	A-9 (contd.)	watch television programs in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		read newspapers, magazines or books in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		write or fill out letters or forms in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	A-10	Language used in each of the following situations At home?	000000 100000 010000 001000 000100 000010 000001	Always English More English than other language English and other language equally More other language than English Always other language Does not apply Missing
		At work?	000000 100000 010000 001000 000100 000010 000001	Always English More English than other language English and other language equally More other language than English Always other language Does not apply Missing
		While shopping in your neighborhood?	000000 100000 010000 001000 000100 000010 000001	Always English More English than other language English and other language equally More other language than English Always other language Does not apply Missing
		When visiting relatives or friends?	000000 100000 010000 001000 000100 000010 000001	Always English More English than other language English and other language equally More other language than English Always other language Does not apply Missing
	A-11	Have you taken a course to learn how to read and write English (2nd lang)?	00 10 01	Yes No Missing
	A-12	Did you complete this course?	00 10 01	Yes No Missing
	A-13	Have you taken a course to learn to speak or understand English (2nd lang)?	00 10 01	Yes No Missing
	A-14	Did you complete this course?	00 10 01	Yes No Missing
Derived	A-15	Which language do you usually speak now?	00000 10000 01000 00100 00010 00001	English Spanish European Asian Other Non-English language Missing

	Item #	Question	Contrast Coding	Variable Coding
Derived	A-16	What other language do you often speak now?	000000 100000 010000 001000 000100 000010 000001	English Spanish European Asian Other non-English language No other language spoken Missing
	A-17	With regard to the English language, how well do you understand it when it is spoken to you?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		speak it?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		read it?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		write it?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		do arithmetic problems?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
SECTION B: Educational Background and Experiences				
	B-2	Main reason you stopped your schooling?	100000 010000 001000 000000 000100 000010 000001	Financial problems Went to work or into the military Pregnancy Lost interest or behavior problems, and academic problems Family or personal problems Other Missing
	B-4	Kind of high school program?	1000 0000 0100 0010 0001	General Vocational, technical, or trade College preparatory The same for everyone Missing
	B-5	Currently enrolled in school or college, full- or part-time?	00 10 01	Yes No Missing
	B-6	Upon completing current schooling what degree or certificate do you expect to earn?	1000000 0100000 0000000 0010000 0001000 0000100 0000010 0000001	None Other High school diploma or equivalency Vocational, trade, or business Two-year college degree Four- or five-year college degree (B.S., B.A.) Master's, Ph.D., M.D., or other advanced degree Missing
	B-7	Enrolled now or have taken a program to improve basic skills?	00 10 01	Yes No Missing

	Item #	Question	Contrast Coding	Variable Coding

	B-8	Which program?
		  Training program or course given
		  by employer or union?
			000
			100
			010
			001
				Yes
				No
				Don't know
				Missing

		Publicly sponsored training program such as JTPA or ABE?	000 100 010 001	Yes No Don't know Missing
		Tutoring program sponsored by library, church, or community?	000 100 010 001	Yes No Don't know Missing
		Any other program?	000 100 010 001	Yes No Don't know Missing

	B-9	If 'Yes' to B-8
		  Employer/union training
		  program?
			1000
			0000
			0100
			0010
			0001
				Still enrolled
				Within the past year
				1 - 5 years ago
				More than five years ago
				Missing

		Publicly sponsored program, JTPA or ABE?	1000 0000 0100 0010 0001	Still enrolled Within the past year 1 - 5 years ago More than five years ago Missing
		Tutoring program by library, church or community?	1000 0000 0100 0010 0001	Still enrolled Within the past year 1 - 5 years ago More than five years ago Missing
		Any other program, military, prisons or institutions?	1000 0000 0100 0010 0001	Still enrolled Within the past year 1 - 5 years ago More than five years ago Missing

	B-10	Where did you primarily learn to
		  read newspapers, magazines, or
		  books?
			10000
			00000
			01000
			00100
			00010
			00001
				Mostly in school
				Mostly at home or in the community
				Mostly at work
				Other
				Did not learn
				Missing

		read graphs, diagrams, or maps?	10000 00000 01000 00100 00010 00001	Mostly in school Mostly at home or in the community Mostly at work Other Did not learn Missing
		fill out forms?	10000 00000 01000 00100 00010 00001	Mostly in school Mostly at home or in the community Mostly at work Other Did not learn Missing
		write letters, notes, memos, or reports?	10000 00000 01000 00100 00010 00001	Mostly in school Mostly at home or in the community Mostly at work Other Did not learn Missing
	B-11	Physical, mental or other health condition that stops your participation fully in work, school, housework or other?	00 10 01	No Yes Missing

	Item #	Question	Contrast Coding	Variable Coding
	B-12	Difficulty seeing words and letters in newspaper even when wearing glasses or contact lenses, if you usually wear them?	00 10 01	No Yes Missing
	B-13	Difficulty hearing a normal conversation even when using a hearing aid, if you usually wear one?	00 10 01	No Yes Missing
	B-14	Do you currently have any of these conditions? A learning disability?	00 10 01	No Yes Missing
		Any mental or emotional condition?	00 10 01	No Yes Missing
		Mental retardation?	00 10 01	No Yes Missing
		A speech disability?	00 10 01	No Yes Missing
		A physical disability?	00 10 01	No Yes Missing
		A long-term illness (6 months or more)?	00 10 01	No Yes Missing
		Any other health impairment?	00 10 01	No Yes Missing
SECTION C: Political and Social Participation				
	C-1	I'd like to find out how you usually get information about current events, public affairs and the government. newspapers?	1000 0100 0000 0010 0001	None A little Some A lot Missing
		magazines?	1000 0100 0000 0010 0001	None A little Some A lot Missing
		radio?	1000 0100 0000 0010 0001	None A little Some A lot Missing
		television?	1000 100 0000 0010 0001	None A little Some A lot Missing
		family members, friends, or coworkers?	1000 0100 0000 0010 0001	None A little Some A lot Missing
	C-2	How many hours do you usually watch television each day?	1000000 0100000 0010000 0000000 0001000 0000100 0000010 0000001	None 1 hour or less 2 hours 3 hours 4 hours 5 hours 6 or more hours Missing

	Item #	Question	Contrast Coding	Variable Coding
	C-3	How often do you use the services of a library?	10000 01000 00100 00000 00010 00001	Daily Weekly Monthly Once or twice a year Never Missing
	C-4	Have you voted in a national or state election in the USA within the past five years?	000 100 010 001	Yes No Not eligible to vote Missing
SECTION D: Labor Force Participation				
	D-1	Questions about what you were doing last week. Working a full-time job for pay or profit, 35 hours or more?	10 00 01	Yes No Missing
		Working for pay or profit part-time, 1 to 34 hours?	10 00 01	Yes No Missing
		Working two or more part-time jobs, totaling 35 or more hours?	10 00 01	Yes No Missing
		Unemployed, laid off, or looking for work?	10 00 01	Yes No Missing
		Have a job but temporary illness, vacation, or work stoppage?	10 00 01	Yes No Missing
		Have a job but on family leave (maternity or paternity leave)?	10 00 01	Yes No Missing
		In school?	10 00 01	Yes No Missing
		Keeping house?	10 00 01	Yes No Missing
		Retired?	10 00 01	Yes No Missing
		Doing volunteer work?	10 00 01	Yes No Missing
		Other?	10 00 01	Yes No Missing
	D-2	Have you looked for a job during the past four weeks?	10 00 01	Yes No Missing
	D-3	Last week, what was your total weekly wage or salary?	0	7's, 8's, 9's and missing Used actual weekly wage if specified
	D-5	Number of weeks worked for pay during the last 12 months?	0 0	None 88, 99 and missing Used actual number of weeks if specified
	D-6	Of the weeks you were not employed, what were you doing? Looking for work?	10 00 01	Yes No Missing

	Item #	Question	Contrast Coding	Variable Coding
	D-6 (contd.)	In school or training?	10 00 01	Yes No Missing
		Keeping house?	10 00 01	Yes No Missing
		Retired?	10 00 01	Yes No Missing
		Volunteering?	10 00 01	Yes No Missing
		Doing something else?	10 00 01	Yes No Missing
	D-7	For the past 12 months, what was your average weekly wage?	0	7's, 8's, 9's and missing Used actual average weekly wage, if specified
	D-9	Which of the following describes your work history?	100 000 010 001	Held a paying job within the last three years Held a paying job but not within the last three years Never been employed for pay full-time or part-time Missing

D-10 What kind of business or industry (do/did) you work in?	
1000000000000000000000000	Agriculture, forestry, fishing
0100000000000000000000000	Mining
0010000000000000000000000	Construction
0001000000000000000000000	Manufacturing - Durable
0000100000000000000000000	Manufacturing - Nondurable
0000010000000000000000000	Transportation
0000001000000000000000000	Communications
0000000100000000000000000	Utilities and sanitary services
0000000010000000000000000	Wholesale trade
0000000001000000000000000	Retail trade - Eating and drinking places
0000000000100000000000000	Retail trade - Grocery, food, dairy, and bakery stores
0000000000000000000000000	Retail trade - All other retail trade
0000000000010000000000000	Finance - Banking and stock exchanges or commodities
0000000000001000000000000	Finance - Insurance
0000000000000100000000000	Finance - Real estate
0000000000000010000000000	Services - Business and repair
0000000000000001000000000	Services - Personal
0000000000000000100000000	Services - Entertainment and recreation
0000000000000000010000000	Services - Professional and related
0000000000000000001000000	Public Administration
0000000000000000000100000	Military
0000000000000000000010000	Missing
0000000000000000000001000	Not worked in past 3 years
0000000000000000000000001	Never worked
D-11 What (is/was) your current occupation?	
1000000000000000000000000000000000000000000	Architects / Surveyors
0100000000000000000000000000000000000000000	Professional - Engineers
0010000000000000000000000000000000000000000	Professional - Math and computer scientists
0001000000000000000000000000000000000000000	Professional - Natural scientists
0000100000000000000000000000000000000000000	Professional - Registered nurses
0000010000000000000000000000000000000000000	Professional - Health diagnostics
0000001000000000000000000000000000000000000	Professional - Other Health related
0000000100000000000000000000000000000000000	Management - Accountants and auditors
0000000010000000000000000000000000000000000	Management - Public sector executives & other managers
0000000001000000000000000000000000000000000	Management - Private sector executives & other managers
0000000000100000000000000000000000000000000	Management - All others
0000000000010000000000000000000000000000000	Teachers
0000000000001000000000000000000000000000000	Other professionals
0000000000000100000000000000000000000000000	Technicians/technical - Engineering
0000000000000010000000000000000000000000000	Technicians/technical- Health technologists & technicians
0000000000000001000000000000000000000000000	Technicians/technical- Science technicians
0000000000000000100000000000000000000000000	Technicians/technical - All other technicians
0000000000000000010000000000000000000000000	Sales and related - Sales representatives
0000000000000000001000000000000000000000000	Sales and related - Supervisors and proprietors
0000000000000000000100000000000000000000000	Other sales related
0000000000000000000010000000000000000000000	Adjustors and investors
0000000000000000000001000000000000000000000	Administrative support - Computer operators
0000000000000000000000100000000000000000000	Administrative support - Information clerks
0000000000000000000000010000000000000000000	Administrative support - Secretaries
0000000000000000000000001000000000000000000	Stenographers & typists
0000000000000000000000000100000000000000000	Administrative support - Supervisors
0000000000000000000000000000000000000000000	Other administrative support
0000000000000000000000000001000000000000000	Craft and precision-production - Construction
0000000000000000000000000000100000000000000	Craft and precision-production - All others
0000000000000000000000000000010000000000000	Assemblers, operators, fabricators - Transportation
0000000000000000000000000000001000000000000	Assemblers, operators, fabricators - Machine
0000000000000000000000000000000100000000000	Assemblers, operators, fabricators-All others
0000000000000000000000000000000010000000000	Cleaning equipment, handlers, laborers
0000000000000000000000000000000001000000000	Service-related occupations - Personal
0000000000000000000000000000000000100000000	Service-related occupations - Public safety
0000000000000000000000000000000000010000000	Service-related occupations - Health
0000000000000000000000000000000000001000000	Service-related occupations - Other
0000000000000000000000000000000000000100000	Farmers, fisherman, foresters
0000000000000000000000000000000000000010000	Other farming, fishing, & hunting
0000000000000000000000000000000000000001000	Military
0000000000000000000000000000000000000000100	Missing
0000000000000000000000000000000000000000010	Not worked in the past 3 years
0000000000000000000000000000000000000000001	Never worked

	Item #	Question	Contrast Coding	Variable Coding
SECTION E: Literacy Activities and Collaboration				
	E-1	How often do you read a newspaper?	00000 10000 01000 00100 00010 00001	Every day A few times a week Once a week Less than once a week Never Missing
Derived	E-1/ E-2	Reading Practice #1 Reads English newspaper at least once a week; sections: news, editorial, or financial	00 10 01	Yes No Missing
Derived		Reading Practice #2 Reads English newspaper at least once a week; sections: sports	00 10 01	Yes No Missing
Derived		Reading Practice #3 Reads English newspaper at least once a week; sections: home, fashion, health, reviews of movies, books and art	00 10 01	Yes No Missing
Derived		Reading Practice #4 Reads English newspaper at least once a week; sections: TV, movie, and concert listings; classified and other ads	00 10 01	Yes No Missing
Derived		Reading Practice #5 Reads English newspaper at least once a week; sections: comics, horoscopes, advice	00 10 01	Yes No Missing
	E-3	Number of different English magazines read on a regular basis.	10000 01000 00100 00000 00010 00001	None 1 2 3 - 5 6 or more Missing
	E-4	Different types of English books read recently. Fiction?	10 00 01	Yes No Missing
		Recreation or entertainment?	10 00 01	Yes No Missing
		Current affairs or history?	10 00 01	Yes No Missing
		Inspiration or religion?	10 00 01	Yes No Missing
		Science or social science?	10 00 01	Yes No Missing
		Reference, such as encyclopedias or dictionaries?	10 00 01	Yes No Missing
		Manuals for cooking, operating, repairing, or building?	10 00 01	Yes No Missing
		Any other type of books?	10 00 01	Yes No Missing
		None	00 10 01	No Yes Missing

	Item #	Question	Contrast Coding	Variable Coding
	E-5	Kinds of things read in English for own use. Letters or memos?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Reports, articles, magazines or journals?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Manuals or reference books?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Directions or instructions for medicines or recipes?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Diagrams or schematics?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Bills, invoices, spread-sheets, or budget tables?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-6	Kinds of things read in English as part of current/recent job. Letters or memos?	00010 10000 01000 00100 00000 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Reports, articles, magazines or journals?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Manuals or reference books?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Directions or instructions for medicines or recipes?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing

	Item #	Question	Contrast Coding	Variable Coding
	E-6 (contd.)	Diagrams or schmatics?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Bills, invoices, spread-sheets, or budget tables?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-7	Things that you write or fill out in English for own use. Letters or memos?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Forms such as bills, invoices, or budgets?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Reports or articles?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-8	Things that you write or fill out in English as part of job. Letters or memos?	00010 10000 01000 00100 00000 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Forms such as bills, invoices, or budgets?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Reports or articles?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-9	How often do you use arithmetic or math for your own use?	00010 10000 01000 00100 00000 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-10	How often do you use arithmetic or math as part of job?	00010 10000 01000 00100 00000 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-11	How much help do you get from family or friends with filling out forms?	0000 1000 0100 0010 0001	None A little Some A lot Missing

	Item #	Question	Contrast Coding	Variable Coding
	E-11 (contd.)	reading or explaining newspaper articles/written information?	0000 1000 0100 0010 0001	None A little Some A lot Missing
		printed information from government agencies, public companies, etc?	0000 1000 0100 0010 0001	None A little Some A lot Missing
		writing notes or letters?	0000 1000 0100 0010 0001	None A little Some A lot Missing
		using basic arithmetic, as in filling out order forms, or balancing a checkbook?	0000 1000 0100 0010 0001	None A little Some A lot Missing

Appendix B: Conditioning Variables
NATIONAL ADULT LITERACY SURVEY - PRISON SAMPLE
Contrast Coding for the MGROUP Conditioning Variables

	Item #	Question	Contrast Coding	Variable Coding
	B-1	Highest level of education completed in the USA?	100000000000	Less than high school
			010000000000	Some high school
			001000000000	GED or high school equivalency
			000000000000	High school graduate
			000010000000	Vocational
			000010000000	College: less than 2 years
			000001000000	College: Associate's degree
			000000100000	College: two years or more no degree
			000000010000	College graduate (B.S. or B.A.)
			000000001000	Postgraduate, no degree
			000000000100	Postgraduate degree
			000000000010	Don't know
			000000000001	Missing
	B-3	Studied for a GED or high school equivalency?	00	Yes
			10	No
			01	Missing
SECTION F: Demographic Information				
	F-1	When you were growing up, who did you live with most of the time?	100000000	Mother
			010000000	Father
			000000000	Both parents
			001000000	Grandparents
			000100000	Other relatives
			000010000	Friends
			000001000	Foster homes
			000000100	Agency or institution
			000000010	Someone else
			000000001	Missing
	F-2	Highest level of education your mother completed?	100000000000	Less than high school
			010000000000	Some high school
			001000000000	GED or high school equivalency
			000000000000	High school graduate
			000010000000	Vocational
			000010000000	College: less than 2 years
			000001000000	College: Associate's degree
			000000100000	College: two years or more no degree
			000000010000	College graduate (B.S. or B.A.)
			000000001000	Postgraduate, no degree
			000000000100	Postgraduate degree
			000000000010	Don't know
			000000000001	Missing
	F-3	Highest level of education your father completed?	100000000000	Less than high school
			010000000000	Some high school
			001000000000	GED or high school equivalency
			000000000000	High school graduate
			000100000000	Vocational
			000010000000	College: less than 2 years
			000001000000	College: Associate's degree
			000000100000	College: two years or more no degree
			000000010000	College graduate (B.S. or B.A.)
			000000001000	Postgraduate, no degree
			000000000100	Postgraduate degree
			000000000010	Don't know
			000000000001	Missing
	F-4	Current marital status?	0000	Never married
			1000	Married
			0100	Separated or divorced
			0010	Widowed
			0001	Missing

	Item #	Question	Contrast Coding	Variable Coding
Derived	F-5	Race/Ethnicity?	0000000000	Black not Hispanic
			1000000000	Hispanic, Mexicano, Mexican, Mexican American, or Chicano
			0100000000	Hispanic, Puerto Rican
			0010000000	Hispanic, Cuban
			0001000000	Hispanic, Central or South American or other Spanish
			0000100000	Asian
			0000010000	American Indian or Alaskan Native
			0000001000	Pacific Islander
			0000000100	White
			0000000010	Other
			0000000001	Missing
	F-6	Are you of Spanish or Hispanic origin or descent?	10	Yes
			00	No
			01	Missing
	F-7	Which best describes your Hispanic origin?	00000	Mexicano, Mexican, Mexican American, or Chicano
			10000	Puerto Rican
			01000	Cuban
			00100	Central or South American
			00010	Other Spanish or Hispanic
			00001	Missing
	F-8	Date of birth		Actual age Range 16 – 64
	F-9	Sex	00	Male
			10	Female
			01	Missing
		Census Region of the country	100	Northeast
			000	Midwest
			010	South
			001	West
SECTION C: Current Offenses and Criminal History				
	C-1	C-1 Record of offenses--not scored		
	C-2	For which of these offenses did you receive the longest sentence?	100000000000	Murder, code 11
			010000000000	Rape including attempted rape, code 12
			000000000000	Armed robbery, code 13
			001000000000	Assault and other violent crimes, codes 14 & 15
			000100000000	Burglary, code 21
			000010000000	Auto theft and other property offenses, codes 22 & 26
			000001000000	Forgery, fraud, and embezzlement, code 23
			000000100000	Larceny, grand, and petty, code 24
			000000010000	Stolen property, code 25
			000000001000	Drugs, code 31
			000000000100	Public order, probation violation, rioting, etc., code 41
			000000000010	Federal offenses, code 51
			000000000001	Missing, 88 Don't know, and 99 omit.
Derived	C-3	In what month and year were you first arrested?	Time in years	Administration date (9/1/92) minus arrest date, rounded to years Missing = mean Don't know = mean
Derived	C-4	In what month and year were you first admitted to prison?	Time in years	Administration date (9/1/92) minus admission date, rounded to years Missing = mean Don't know = mean

	Item #	Question	Contrast Coding	Variable Coding
	C-5	Have you ever been placed on probation, either as a juvenile or as an adult?	10 00 01	No Yes Missing
Derived	C-6	How many times have you ever been placed on probation as a juvenile?	100000 000000 010000 001000 000100 000010 000001	None 1 time 2 times 3 - 5 times 6+ times Don't know Missing
Derived	C-7	How many times have you been placed on probation as an adult?	100000 000000 010000 001000 000100 000010 000001	None 1 time 2 times 3 - 5 times 6+ times Don't know Missing
	C-8	Did you ever serve time in prison, jail, or some other correctional facility for any other offenses?	10 00 01	No Yes Missing
Derived	C-9	How many times as a juvenile?	100000 000000 010000 001000 000100 000010 000001	None 1 time 2 times 3 - 5 times 6+ times Don't know Missing
Derived	C-10	How many times as an adult?	100000 000000 010000 001000 000100 000010 000001	None 1 time 2 times 3 - 5 times 6+ times Don't know Missing
	C-11	Do you have a definite date on which you expect to be released?	10 00 01	Yes No Missing
Derived	C-12	In what month and year will you be released?	Time in years	Release date minus administration date (9/1/92), rounded to years Missing = mean Don't know = mean
	C-13	Do you expect to ever be released from prison?	00 10 01	Yes No Missing
Derived	C-14	In what month and year is your earliest possible release date?	Time in years	Earliest possible release date minus administration date, rounded to years Missing = mean Don't know = mean
SECTION A: General and Language Background				
Derived	A-1	In what country were you born?	00000 10000 01000 00100 00010 00001	USA Spanish speaking countries European language countries Asian language countries All other countries Missing

	Item #	Question	Contrast Coding	Variable Coding
	A-2	How many years have you lived in the United States?	1 2 3 4 5 6 7 8 9	1 - 5 years 6 - 10 years 11 - 15 years 16 - 20 years 21 - 30 years 31 - 40 years 41 - 50 years 51 or more years Missing by design - skip pattern
Derived	A-2b	Age of arrival in the USA (Age minus median of A-2)	0 0	Born in the USA or Missing Negative values Age 1 - 90
	A-3	Highest education before coming to the USA?	100 000 010 001	Born in the USA or missing by design Primary or elementary (codes 2 & 3) Some schooling (codes 4 to 7) No schooling (code 1)
Derived	A-4	Languages spoken in the home while growing up?	000000000 100000000 010000000 001000000 000100000 000010000 000001000 000000100 000000010 000000001	English only English & Spanish English & European English & Asian Spanish & Other Other & Other Spanish only European only Asian only Missing
Derived	A-5	Languages learned to speak before starting school?	000000000 100000000 010000000 001000000 000100000 000010000 000001000 000000100 000000010 000000001	English only English & Spanish English & European English & Asian Spanish & Other Other & Other Spanish only European only Asian only Missing
Derived	A-6	What language did you first learn to read and write?	000000 100000 010000 001000 000100 000010 000001	English Spanish European Asian Other Non-English language Never learned to read and write Missing
	A-7	How old were you when you learned to speak English?	000000 100000 010000 001000 000100 000010 000001	1 - 4 years old 5 - 10 years old 11 - 15 years old 16 - 20 years old 21 or older Does not speak English Missing
	A-8	With regard to (NON-ENGLISH LANGUAGE IN A-5) how well do you understand it when it is spoken to you?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing
		speak it?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing

	Item #	Question	Contrast Coding	Variable Coding
	A-8 (contd.)	read it?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing
		write it?	1000 0100 0000 0010 0001	Not at all Not well Well Very well Missing
	A-9	With regard to (NON-ENGLISH LANGUAGE IN A-5) how often do you listen to radio programs in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		watch television programs in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		read newspapers, magazines or books in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		write or fill out letters or forms in that language?	10000 00000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	A-10	Have you taken a course to learn how to read and write English (2nd lang)?	00 10 01	Yes No Missing
	A-11	Did you complete this course?	00 10 01	Yes No Missing
	A-12	Have you taken a course to learn to speak or understand English (2nd lang)?	00 10 01	Yes No Missing
	A-13	Did you complete this course?	00 10 01	Yes No Missing
Derived	A-14	Which language do you usually speak now?	00000 10000 01000 00100 00010 00001	English Spanish European Asian Other Non-English language Missing
Derived	A-15	What other language do you often speak now?	000000 100000 010000 001000 000100 000010 000001	English Spanish European Asian Other Non-English language No other language spoken Missing

	Item #	Question	Contrast Coding	Variable Coding
	A-16	With regard to the English language, how well do you understand it when it is spoken to you?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		speak it?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		read it?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		write it?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
		do arithmetic problems?	1000 0100 0010 0000 0001	Not at all Not well Well Very well Missing
SECTION B: Educational Background and Experiences				
	B-2	Main reason you stopped your schooling?	1000000 0100000 0010000 0000000 0001000 0000100 0000010 0000001	Financial problems Went to work or into the military Pregnancy Lost interest or behavior problems, and academic problems Family or personal problems Convicted of crime or sent to jail, prison, or detention center Other Missing
	B-4	Kind of high school program?	1000 0000 0100 0010 0001	General Vocational, technical, or trade College preparatory The same for everyone Missing
	B-5	Since your current admission to prison, have you ever been in any education program, excluding vocational training?	00 10 01	Yes No Missing
	B-6	What kind of program was that? Basic classes up to 9th grade	00 10 01	No Yes Missing
		High school classes for diploma or GED	00 10 01	No Yes Missing
		College-level classes	00 10 01	No Yes Missing
		Other	00 10 01	No Yes Missing
	B-7	Are you still in an education program?	00 10 01	Yes No Missing

	Item #	Question	Contrast Coding	Variable Coding
	B-8	Since your current admission to prison, how long have you spent altogether in education program(s)?	1000 0000 0100 0010 0001	Number of years Number of months Less than one month Don't know Missing
Derived	B-8	Specified time spent in educational program	0 Number of months	Missing & Don't know Converted years to months
	B-9	Since your current admission to prison, have you ever been in any vocational training program, excluding prison work assignments?	0 10 01	Yes No Missing
	B-10	Are you still in a vocational program?	00 10 01	Yes No Missing
	B-11	Since your current admission to prison, how long have you spent altogether in vocational training?	1000 0000 0100 0010 0001	Number of years Number of months Less than one month Don't know Missing
Derived	B-11	Specified time spent in vocational program	0 Number of months	Missing and Don't know Converted years to months
	B-12	Since your current admission to prison, did you ever take part in a program other than in regular school in order to improve your basic skills, that is, basic reading, writing, and arithmetic skills?	00 10 01	Yes No Missing
	B-13	Was this program training program or course given or sponsored by your employer or union?	000 100 010 001	Yes No Don't know Missing
		publicly sponsored training program such as JTPA or ABE?	000 100 010 001	Yes No Don't know Missing
		tutoring program sponsored by library, church, or community?	000 100 010 001	Yes No Don't know Missing
		any other program?	000 100 010 001	Yes No Don't know Missing
	B-14	If 'Yes' to B-13, when taken? employer training program	000 100 010 001	Within the past year 1 - 5 years ago More than five years ago Missing
		publicly sponsored program, JTPA or ABE	000 100 010 001	Within the past year 1 - 5 years ago More than five years ago Missing
		tutoring program by library, church or community	000 100 010 001	Within the past year 1 - 5 years ago More than five years ago Missing
		any other program, military, prisons or institutions	000 100 010 001	Within the past year 1 - 5 years ago More than five years ago Missing

	Item #	Question	Contrast Coding	Variable Coding
	B-15	Do you have a physical, mental, or other health condition that keeps you from participating fully in work, school, or other activities?	00 10 01	No Yes Missing
	B-16	Do you have any difficulty seeing the words and letters in ordinary newspaper print even when wearing glasses or contact lenses, if you usually wear them?	00 10 01	No Yes Missing
	B-17	Difficulty hearing a normal conversation even when using a hearing aid, if you usually wear one?	00 10 01	No Yes Missing
	B-18	Do you currently have any of these conditions? A learning disability?	00 10 01	No Yes Missing
		Any mental or emotional condition?	00 10 01	No Yes Missing
		Mental retardation?	00 10 01	No Yes Missing
		A speech disability?	00 10 01	No Yes Missing
		A physical disability?	00 10 01	No Yes Missing
		A long-term illness (6 months or more)?	00 10 01	No Yes Missing
		Any other health impairment?	00 10 01	No Yes Missing

SECTION D: Prison Work Assignments and Labor Force Participation

	Item #	Question	Contrast Coding	Variable Coding
	D-1	Do you currently have any work assignments inside or outside prison?	00 10 01	Yes No Missing
	D-2	What work assignments do you have now? Goods production?	10 00 01	Yes No Missing
		General janitorial?	10 00 01	Yes No Missing
		Grounds or road maintenance?	10 00 01	Yes No Missing
		Food preparation or related duties	10 00 01	Yes No Missing
		Laundry?	10 00 01	Yes No Missing
		Hospital, infirmary, or other medical services?	10 00 01	Yes No Missing

	Item #	Question	Contrast Coding	Variable Coding
	D-2 (contd.)	Farming, forestry, or ranching?	10 00 01	Yes No Missing
		Other services (library, stockroom, store, etc.)?	10 00 01	Yes No Missing
		Maintenance, repair, or construction?	10 00 01	Yes No Missing
		Enrolled in school?	10 00 01	Yes No Missing
		Other?	10 00 01	Yes No Missing
Derived	D-3	In the last week how many hours were you assigned to these jobs?	10000 01000 00100 00000 00010 00001	0 - 19 hours 20 - 29 hours 30 - 39 hours 40 hours 41 + hours Missing and 999
	D-4	Are you paid money for any of this work?	00 10 01	Yes No Missing
Derived	D-5	How much did you make last month?	00000 10000 01000 00100 00010 00001	$1 - $19 $20 - $29 $30 - $39 $40 - $59 $60 + Missing and 99999
	D-6	Other than money, do you receive anything for work, such as time credits or other privileges?	00 10 01	Yes No Missing
	D-7	What do you receive? Good time?	00 10 01	Yes No Missing
		Cigarettes, food, etc.?	10 00 01	Yes No Missing
		Extra privileges?	10 00 01	Yes No Missing
		Other?	10 00 01	Yes No Missing
	D-8	In the year before your arrest did you receive income from any of the following? Social Security or other pension?	10 00 01	Yes No Missing
		Welfare or charity?	10 00 01	Yes No Missing
		Unemployment or worker's compensation?	10 00 01	Yes No Missing
		Family or friends?	10 00 01	Yes No Missing

	Item #	Question	Contrast Coding	Variable Coding
	D-8 (contd.)	Illegal sources?	10 00 01	Yes No Missing
		Educational scholarship or grant?	10 00 01	Yes No Missing
		Something else?	10 00 01	Yes No Missing
		None?	10 00 01	Yes No Missing
	D-9	In the past three years, did you work for pay or profit, while not serving time in prison?	00 10 01	Yes No Missing
Derived	D-10	Between January 1989 and your admission to prison, how many months did you work?	1 month 0	Less than 1 Missing Actual number of months
Derived	D-11	What was your business or industry prior to your current admission to prison?	10000000 01000000 00100000 00010000 00001000 00000100 00000010 00000001 00000000	Agriculture, forestry, fishing code 1 Construction & Mining codes 2, & 3 Manufacturing - Durable or nondurable codes 4, & 5 Transportation, Communications, Utilities codes 6, 7, & 8 Wholesale or retail trade codes 9, 10, 11, & 12 Finance - Banking & Real estate codes 13, & 15 Services-Bus., Pers., Entertain., Profess. codes 16, 17, 18, & 19 Public Administration & Military codes 20, & 21 Missing or Not worked in past 3 years codes 22, & 23
Derived	D-12	What was your occupation prior to your current admission to prison?	1000000000000 0100000000000 0010000000000 0001000000000 0000100000000 0000010000000 0000001000000 0000000100000 0000000010000 0000000001000 0000000000100 0000000000010 0000000000001 0000000000000	Other professional codes 2, 10, 11, 1313 Sales and related codes 18, 19, 2020 Administrative support & Other technicians codes 14, 15, 17, 21, 22, 24, 26, 2727 Craft and precision-production - Construction crafts code 28 Craft and precision-production - All others code 29 Assemblers, operators, fabricators - Transport oper. code 30 Assemblers, operators, fabricators - Fabricators code 31 Assemblers, operators, fabricators - All others code 32 Cleaning equipment, handlers, laborers code 33 Service-related occupations - Personal code 34 Service-related occupations – Other codes 35, 36, 37, 4037 Managers & Operators codes 38, 3939 Missing code 41 Not worked in past 3 years code 42

	Item #	Question	Contrast Coding	Variable Coding
	D-14	Was this full-time, part-time, or occasional work?	000 100 010 001	Full-time Part-time Occasional Missing
	D-15	What were your average monthly earnings before any deductions?	10000000000000 01000000000000 00100000000000 00010000000000 00001000000000 00000100000000 00000010000000 00000000000000 00000001000000 00000000100000 00000000010000 00000000001000 00000000000100 00000000000010 00000000000001	$1 - $99 $100 - $199 $200 - $299 $300 - $399 $400 - $499 $500 - $599 $600 - $799 $800 - $999 $1,000 - $1,199 $1,200 - $1,499 $1,500 - $1,999 $2,000 - $2,499 $2,500 - $4,999 $5,000 or more Don't Know, No Income, and Missing
SECTION E: Literacy Activities and Collaboration				
	E-1	How often do you read a newspaper?	00000 10000 01000 00100 00010 00001	Every day A few times a week Once a week Less than once a week Never Missing
Derived	E-1/ E-2	Reading Practice #1 Reads English newspaper at least once a week; sections: news, editorial, or financial	00 10 01	Yes No Missing
Derived		Reading Practice #2 Reads English newspaper at least once a week; sections: sports	00 10 01	Yes No Missing
Derived		Reading Practice #3 Reads English newspaper at least once a week; sections: home, fashion, health, reviews of movies, books and art	0 10 01	Yes No Missing
Derived		Reading Practice #4 Reads English newspaper at least once a week; sections: TV, movie, and concert listings; classified and other ads	00 10 01	Yes No Missing
Derived		Reading Practice #5 Reads English newspaper at least once a week; sections: comic, horoscopes, advice	00 10 01	Yes No Missing
	E-3	Number of different English magazines read on a regular basis.	10000 01000 00100 00000 00010 00001	None 1 2 3 - 5 6 or more Missing
	E-4	Different types of English books read recently. Fiction?	10 00 01	Yes No Missing
		Recreation or entertainment?	10 00 01	Yes No Missing

	Item #	Question	Contrast Coding	Variable Coding
	E-4 (contd.)	Current affairs or history?	10 00 01	Yes No Missing
		Inspiration or religion	10 00 01	Yes No Missing
		Science or social science?	10 00 01	Yes No Missing
		Reference, such as encyclopedias or dictionaries?	10 00 01	Yes No Missing
		Manuals for cooking, operating, repairing, or building?	10 00 01	Yes No Missing
		Any other type of books?	10 00 01	Yes No Missing
		None	00 10 01	No Yes Missing
	E-5	Kinds of things read in English for own use. Letters or memos?	10000 01000 00100 00000 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Reports, articles, magazines or journals?	10000 01000 00100 00000 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Manuals or reference books?	10000 01000 00100 00000 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Directions or instructions for medicines or recipes?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Diagrams or schematics?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Bills, invoices, spread-sheets, or budget tables?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-6	Things that you write or fill out in English for own use. Letters or memos?	01000 00100 00000 00010 00001 10000	Never Less than once a week Once a week A few times a week Every day Missing

	Item #	Question	Contrast Coding	Variable Coding
	E-6 (contd.)	Forms?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
		Reports or articles?	00000 10000 01000 00100 00010 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-7	How often do you use arithmetic or mathematics?	10000 01000 00100 00010 00000 00001	Never Less than once a week Once a week A few times a week Every day Missing
	E-8	How much help do you get from family or friends with filling out forms?	0000 1000 0100 0010 0001	None A little Some A lot Missing
		reading or explaining newspaper articles or written information?	0000 1000 0100 0010 0001	None A little Some A lot Missing
		printed information from government agencies, public companies, etc.?	0000 1000 0100 0010 0001	None A little Some A lot Missing
		writing notes or letters?	0000 1000 0100 0010 0001	None A little Some A lot Missing
		using basic arithmetic, as in filling out order forms, or balancing a checkbook?	0000 1000 0100 0010 0001	None A little Some A lot Missing
	E-9	Since your admission to prison have you joined any organization authorized by prison authorities?	00 10 01	Yes No Missing
	E-10	What groups have you joined? Drug awareness or other drug dependency group?	10 00 01	Yes No Missing
		Alcoholics anonymous?	10 00 01	Yes No Missing
		Bible club or other religious group?	10 00 01	Yes No Missing
		Ethnic/racial organization?	10 00 01	Yes No Missing
		Prisoner assistance group?	10 00 01	Yes No Missing

	Item #	Question	Contrast Coding	Variable Coding
	E-10 (contd.)	Other prisoner self-help or personal improvement group?	10 00 01	Yes No Missing
		Outside community activities?	10 00 01	Yes No Missing
		Religious activities?	10 00 01	Yes No Missing
		Classes in parenting and childrearing skills?	10 00 01	Yes No Missing
		Classes in life skills?	10 00 01	Yes No Missing
		Classes in art or crafts?	10 00 01	Yes No Missing
		Prerelease programs?	10 00 01	Yes No Missing
		Other?	10 00 01	Yes No Missing

Appendix C

GAMMAS

Appendix C: GAMMAs
NATIONAL ADULT LITERACY SURVEY
Main and Non-Incentive Household Samples, Age 16–64

	Prose	Document	Quantitative		Prose	Document	Quantitative
1	0.265335	0.804745	0.105941	57	-0.016558	-0.015372	-0.023200
2	0.089618	0.077778	0.078741	58	0.003645	0.019359	0.015859
3	-0.098994	-0.099482	-0.108083	59	-0.026824	-0.029882	-0.027388
4	-0.085802	-0.073334	-0.075899	60	0.024087	0.020528	0.012898
5	0.005281	0.009186	0.008700	61	0.005785	0.011939	0.019368
6	0.058752	0.052258	0.058943	62	-0.009555	0.000500	-0.001404
7	-0.000658	-0.012959	0.013640	63	-0.027453	-0.040464	-0.042397
8	-0.081927	-0.078919	-0.081139	64	-0.016195	-0.018048	-0.013587
9	-0.062319	-0.050080	-0.027659	65	0.013867	0.008309	0.009102
10	-0.005154	0.005567	0.004550	66	-0.011886	-0.014432	0.000339
11	0.032474	0.018837	0.025130	67	0.015101	0.015852	0.000861
12	0.087153	0.063777	0.063273	68	-0.009220	-0.008507	0.008988
13	-0.041089	-0.043368	-0.058670	69	0.015646	0.019675	0.037311
14	0.010729	0.010027	0.010322	70	0.025950	0.027008	0.015920
15	0.008652	0.012522	0.027859	71	0.007439	0.006329	-0.003490
16	0.011704	0.010370	-0.000743	72	-0.001630	-0.007678	-0.016148
17	-0.043997	-0.036312	-0.024674	73	0.002593	0.000001	0.009350
18	-0.008761	-0.000211	-0.000674	74	0.020148	0.026341	0.031159
19	0.029202	0.018288	0.059150	75	0.028416	0.032969	0.035664
20	0.011303	0.020183	0.017691	76	-0.009798	-0.011303	-0.016582
21	0.034129	0.047237	0.036427	77	0.009450	0.005016	0.015584
22	-0.006446	0.019028	0.016070	78	0.003760	0.004124	0.017895
23	0.049728	0.064333	0.053318	79	0.001562	-0.003232	0.009698
24	0.014517	0.022358	0.025017	80	-0.000347	0.008695	0.006219
25	-0.033761	-0.024672	-0.021914	81	0.005261	0.012445	0.007496
26	0.009857	-0.001147	-0.003722	82	-0.005057	-0.002025	-0.005655
27	0.017347	0.014354	0.001806	83	-0.006922	-0.012512	-0.010622
28	-0.041717	-0.037384	-0.042831	84	-0.001988	-0.000527	-0.004965
29	-0.018460	-0.019807	-0.004530	85	0.021699	0.010949	-0.004407
30	-0.028313	-0.015228	-0.021845	86	0.001572	0.009925	0.021979
31	0.022586	0.019478	0.015017	87	-0.000828	-0.003077	-0.008783
32	0.003435	0.015407	0.022653	88	0.013358	0.002082	0.003669
33	-0.025806	-0.038468	-0.036369	89	-0.002125	0.001826	0.004763
34	0.039053	0.037766	0.039987	90	-0.002163	-0.004323	-0.002081
35	-0.050330	-0.055816	-0.038664	91	0.006828	0.003089	-0.000441
36	-0.003240	-0.012636	-0.023190	92	-0.015072	-0.012641	-0.022985
37	-0.028447	-0.032116	-0.039043	93	-0.008271	-0.003251	0.000932
38	-0.029767	-0.038622	-0.045725	94	-0.011197	-0.013226	-0.010896
39	-0.011398	-0.017870	-0.022668	95	0.010933	0.018050	0.012456
40	0.019381	0.031753	0.018726	96	-0.002232	0.001844	0.010344
41	-0.012588	-0.015410	-0.028513	97	0.004850	-0.005177	-0.005398
42	-0.018690	-0.007193	-0.003818	98	0.002923	0.001516	-0.009571
43	-0.004112	-0.006297	0.000534	99	-0.005280	0.012089	0.000964
44	-0.008020	-0.011730	-0.012945	100	-0.002985	0.002226	0.003561
45	-0.008310	-0.006569	-0.015524	101	0.007666	0.011213	0.021204
46	-0.006556	-0.001768	-0.005404	102	-0.003482	-0.002242	0.011794
47	-0.004023	-0.006307	-0.006962	103	0.000789	-0.000146	-0.006200
48	0.013940	0.012422	0.017807	104	-0.004100	-0.004462	-0.003605
49	0.033373	0.023934	0.023238	105	0.000138	-0.024545	-0.010357
50	-0.026636	-0.029764	-0.016504	106	0.014426	0.004010	0.010523
51	-0.001077	0.021235	0.009577	107	0.001232	-0.003193	0.004744
52	-0.010024	-0.013072	-0.004162	108	-0.014275	-0.013820	-0.016452
53	-0.003845	0.004828	0.016756	109	-0.011148	-0.008718	-0.013966
54	-0.037755	-0.033688	-0.039147	110	-0.009086	-0.020447	-0.025463
55	0.024290	0.015148	0.019197	111	-0.005455	0.007377	-0.000715
56	-0.007125	-0.000717	-0.008696	112	0.007569	-0.005231	-0.002140

	Prose	Document	Quantitative		Prose	Document	Quantitative
113	-0.002373	0.010212	-0.001589	176	-0.023900	-0.022856	-0.020649
114	-0.016543	-0.021711	-0.011960	177	-0.002392	-0.005658	-0.017036
115	0.004638	-0.007402	-0.000868	178	0.008998	0.020790	0.007610
116	0.011453	0.036551	0.025036	179	-0.006965	0.003941	-0.000717
117	0.006720	0.010553	0.004190	180	0.001260	-0.001553	-0.002255
118	0.009637	0.005190	-0.001368	181	0.024210	0.014705	0.023875
119	0.010283	-0.003781	-0.009548	182	0.008997	0.008810	0.012061
120	-0.017395	-0.010387	-0.016695	183	-0.010504	-0.012956	-0.012596
121	0.005257	-0.006465	0.008145	184	-0.001276	0.001444	0.006480
122	-0.020572	-0.002708	-0.001211	185	-0.000642	-0.000385	-0.003270
123	-0.012164	-0.012665	-0.021782	186	-0.008008	-0.007024	-0.010142
124	0.004722	0.001577	-0.004611	187	0.005563	0.007239	-0.001017
125	-0.002616	-0.010286	0.001642	188	0.000251	0.006956	-0.010031
126	0.004285	0.007716	0.005620	189	-0.011760	-0.000416	-0.002364
127	-0.016692	-0.014794	-0.030812	190	-0.002156	-0.009894	-0.004488
128	-0.002551	-0.012456	-0.005198	191	-0.008394	-0.008402	-0.022475
129	-0.022426	-0.019560	-0.014941	192	0.006535	0.002823	0.011733
130	-0.009327	-0.004229	-0.004523	193	-0.003157	-0.001385	-0.001303
131	0.006057	-0.005847	-0.004935	194	0.020533	0.020609	0.019994
132	-0.024649	-0.015746	-0.025266	195	0.004248	0.001893	-0.021445
133	0.029475	0.028590	0.022296	196	-0.009171	-0.004867	-0.010794
134	-0.002060	-0.005230	0.001587	197	0.015261	0.010885	0.026922
135	0.026443	0.026166	0.015835	198	0.008910	0.005376	0.016380
136	-0.004092	-0.011434	-0.003882	199	0.010186	-0.009126	-0.008352
137	0.008297	0.004666	-0.001050	200	0.011078	0.015655	0.010602
138	-0.017263	-0.004941	-0.011137	201	0.020261	0.011497	0.002400
139	0.013212	0.000054	0.023319	202	-0.003115	-0.003894	0.005149
140	0.000738	0.011920	-0.002400	203	0.013163	-0.002083	-0.020769
141	-0.007818	-0.010457	-0.004738	204	0.003308	0.001930	0.011198
142	-0.006186	0.007958	-0.004542	205	-0.011342	-0.008792	-0.004710
143	0.006922	0.000524	0.008679	206	0.002380	0.013885	0.008509
144	0.019380	0.016977	0.016165	207	0.018905	0.007388	0.009025
145	-0.016618	-0.032579	-0.036051	208	0.001057	-0.009524	-0.019097
146	0.000468	-0.008613	-0.001458	209	0.004091	0.014579	0.023635
147	-0.004572	-0.008013	-0.005281	210	-0.014726	-0.006385	0.006982
148	0.001343	0.004474	0.017433	211	-0.000720	-0.006525	0.000441
149	0.009789	0.005964	0.002163	212	0.016831	0.013602	0.013155
150	0.022522	0.030207	0.020913	213	-0.007249	-0.006123	-0.011611
151	0.005286	-0.011300	-0.009045	214	-0.001835	0.010296	0.026188
152	-0.005086	0.001963	-0.004316	215	0.017526	0.014372	0.021485
153	-0.004884	0.003073	-0.005555	216	0.027479	0.015801	0.006711
154	0.016227	0.018133	0.010827	217	-0.003637	0.005876	0.001814
155	-0.006091	-0.001456	-0.010085	218	-0.002792	-0.011310	-0.008270
156	0.013045	0.010626	0.012998	219	0.007224	0.023801	0.010866
157	-0.014362	0.004076	-0.003217	220	0.020661	-0.001972	0.019749
158	0.002333	0.000109	-0.008684	221	-0.016737	-0.017831	-0.005839
159	0.004217	-0.000414	-0.003287	222	0.003731	-0.020808	-0.016815
160	0.009967	0.000658	0.014707	223	-0.013608	-0.016796	0.004252
161	0.002900	-0.003366	-0.004038	224	0.010039	-0.002524	0.008295
162	0.003034	0.023169	0.010434	225	-0.002707	0.000931	0.008868
163	0.015120	0.007044	0.007719	226	-0.004389	-0.006907	-0.016753
164	0.028756	0.014615	0.022283	227	-0.014123	-0.007810	-0.008849
165	-0.015669	-0.019315	-0.026997	228	-0.011249	-0.000428	-0.004609
166	0.005442	0.002427	0.010632	229	0.009238	-0.001673	0.000976
167	0.011940	0.001765	0.007562	230	0.002676	0.002294	-0.003061
168	0.001273	0.009385	0.007002	231	0.009788	0.014611	0.004988
169	0.002047	0.012252	0.015858	232	0.010464	0.009747	0.018519
170	-0.005896	-0.024218	-0.016733	233	-0.016491	-0.018010	-0.031394
171	-0.005283	-0.022468	-0.028083	234	0.003547	-0.005519	-0.004862
172	0.019783	0.015767	0.020910	235	0.000365	-0.001456	-0.002909
173	-0.004697	-0.009615	-0.018191	236	0.024813	0.027695	0.007044
174	0.015362	0.024345	0.015365	237	-0.017972	-0.000101	-0.011414
175	-0.021007	-0.020012	-0.020810	238	-0.001945	-0.000868	0.016459

	Prose	Document	Quantitative		Prose	Document	Quantitative
239	-0.004129	-0.001717	-0.007502	302	0.014112	0.018966	0.005419
240	-0.002757	0.006748	0.005374	303	-0.032688	-0.022239	-0.034072
241	0.003716	0.000664	0.013437	304	-0.015854	-0.025912	-0.023414
242	0.007634	0.016790	0.005115	305	-0.014307	-0.023744	-0.015440
243	0.008672	0.020240	0.011483	306	-0.031565	-0.032543	-0.018246
244	0.006144	0.009744	0.024341	307	-0.022926	-0.022732	-0.017643
245	0.002872	0.002807	-0.001361	308	-0.035830	-0.023075	-0.042604
246	-0.001543	0.013205	0.010628	309	-0.031859	-0.018211	-0.027860
247	0.003938	0.012877	0.027139	310	0.011363	0.018872	0.032158
248	0.017789	0.025088	0.032337	311	-0.017037	-0.009842	-0.008423
249	0.027428	0.033702	0.016785	312	-0.003660	0.002425	0.004697
250	0.018357	0.012784	0.007766	313	-0.004986	0.005376	0.005902
251	0.003549	0.009985	-0.005304	314	0.015454	0.014024	-0.005495
252	0.000893	-0.004366	0.015152	315	0.009450	0.017041	0.022944
253	0.007625	0.013527	0.002629	316	0.004834	0.018513	0.016589
254	-0.007491	-0.008625	-0.019768	317	0.019387	0.031584	0.023265
255	0.019562	0.007007	0.009167	318	-0.008927	-0.003330	-0.008234
256	-0.009684	-0.020263	-0.015248	319	0.017049	0.015804	0.028303
257	-0.017160	-0.016521	-0.015739	320	0.013157	0.011321	0.010970
258	0.007790	0.015418	0.016446	321	0.002372	0.006000	0.011780
259	-0.009416	0.003036	0.010791	322	0.010288	0.016533	0.016426
260	-0.013065	0.003506	-0.009276	323	-0.010442	-0.011450	-0.029115
261	-0.004983	-0.009331	-0.007449	324	-0.012699	-0.021046	-0.004936
262	-0.001545	0.003075	0.008132	325	-0.012361	-0.018238	-0.030915
263	-0.021977	-0.025129	-0.028226	326	-0.005537	-0.013913	-0.017504
264	-0.020404	-0.015143	0.000040	327	-0.000691	-0.013755	-0.007317
265	-0.019352	0.000277	0.007234	328	0.004839	0.017618	0.014632
266	0.013021	-0.004487	0.005039	329	-0.005212	-0.012967	-0.009601
267	-0.023849	-0.023053	-0.006533	330	-0.010996	-0.003419	-0.007499
268	0.004730	0.001252	-0.000934	331	-0.016720	-0.020456	-0.016675
269	-0.015473	-0.001472	-0.011120	332	0.011342	-0.000870	-0.007356
270	-0.009401	-0.002765	0.000947	333	-0.006232	0.004120	0.020070
271	0.005993	-0.006015	-0.000862	334	-0.000680	-0.019593	0.000894
272	-0.015672	-0.007736	0.006670	335	-0.020660	-0.027592	-0.033533
273	-0.006970	-0.006553	-0.001956	336	0.021052	0.002160	-0.008878
274	-0.002355	0.002409	-0.002667	337	-0.008077	-0.003858	-0.009390
275	0.012721	-0.006334	0.013836	338	0.004805	0.007782	-0.011594
276	-0.001624	-0.002777	-0.017361	339	0.015360	0.020740	0.027269
277	0.001370	0.001784	0.006778	340	0.011360	-0.007403	-0.001362
278	-0.023137	-0.035461	-0.030340	341	-0.009057	-0.011952	-0.027271
279	-0.003975	-0.015062	-0.010293	342	-0.016343	0.010115	0.017278
280	0.011946	-0.009376	0.005789	343	-0.007849	-0.012648	-0.003369
281	0.005134	0.006491	-0.003002	344	-0.006853	-0.013000	-0.008904
282	-0.009162	-0.011203	-0.008327	345	-0.000581	0.005977	-0.020303
283	-0.022810	-0.022710	-0.015569	346	-0.016374	-0.011372	-0.000266
284	0.011227	0.030783	0.025791	347	0.027928	0.002030	-0.006165
285	0.020256	0.007971	0.029153	348	0.018197	0.025485	0.036383
286	0.006312	0.004402	-0.002592	349	0.002911	0.007016	0.016213
287	0.004635	0.000270	0.004286	350	-0.003023	-0.008022	-0.020660
288	0.007169	0.005953	-0.003225	351	-0.014198	0.007659	-0.006585
289	0.003925	-0.002481	0.004007	352	0.009663	0.006735	0.008102
290	0.021658	0.018270	0.010885	353	0.026649	0.010516	0.003276
291	0.015223	0.018352	0.011655	354	0.000970	0.005055	-0.002384
292	-0.039356	-0.025910	-0.023944	355	0.001385	0.002672	0.003068
293	-0.014545	-0.005284	0.003789	356	-0.011271	0.006505	0.000713
294	-0.005625	0.000407	0.002024	357	-0.029285	-0.034045-	-0.045475
295	-0.011869	-0.002596	-0.037638	358	0.015315	0.017873	0.020914
296	0.004081	0.034111	0.032982	359	-0.008642	-0.004291	-0.012885
297	0.019457	0.023511	0.030694	360	-0.025975	-0.006681	-0.004023
298	-0.008466	0.005398	0.013120	361	0.002840	0.015817	0.035015
299	0.012948	0.002470	0.010927	362	-0.000532	0.000335	0.016526
300	0.004622	-0.008716	-0.001185	363	-0.009838	-0.020165	-0.035695
301	0.003168	0.011972	0.004041				

Appendix C: GAMMAs
NATIONAL ADULT LITERACY SURVEY
Older Adult Household Sample (Age 65 and Over)

	Prose	Document	Quantitative		Prose	Document	Quantitative
1	-0.696468	-0.324630	-0.824542	57	-0.024500	0.029898	-0.016409
2	0.123029	0.119880	0.147492	58	0.079442	0.029608	0.071669
3	-0.097580	-0.094474	-0.130137	59	-0.023310	-0.034135	-0.029227
4	-0.097283	-0.094735	-0.106092	60	0.044806	0.015788	0.037719
5	-0.052646	-0.050894	-0.050007	61	-0.019246	0.020493	-0.009001
6	-0.086046	-0.038686	-0.064589	62	-0.047609	-0.033720	-0.043382
7	-0.058029	0.035078	0.041684	63	-0.009610	-0.005079	0.021909
8	-0.030114	-0.042473	-0.038501	64	0.045159	0.033510	0.066901
9	0.000868	0.006002	0.010457	65	0.051897	0.036301	-0.000071
10	0.053496	0.065762	0.043253	66	0.026239	0.006546	0.055275
11	-0.071577	-0.036766	-0.047078	67	-0.000712	0.008784	-0.033081
12	0.014299	0.010358	-0.026751	68	-0.022585	-0.008307	0.045138
13	0.010380	0.033935	0.093111	69	0.023823	-0.007268	0.008051
14	-0.037928	-0.035350	-0.087950	70	-0.004194	0.009707	0.000582
15	0.002085	0.007125	-0.016354	71	-0.011271	-0.026241	-0.002707
16	0.034798	0.022530	0.060733	72	-0.011443	-0.001259	-0.024047
17	-0.035506	-0.000170	-0.025345	73	0.043073	0.004858	-0.011253
18	0.017213	0.034045	0.053061	74	0.020409	0.015351	0.001920
19	0.022131	-0.006640	0.008396	75	0.011240	-0.009299	-0.005710
20	0.048416	0.020109	0.011272	76	-0.010902	-0.008767	-0.017549
21	0.007442	0.043462	0.055416	77	0.047943	0.048694	0.044118
22	0.067563	0.024180	0.044035	78	-0.005911	-0.007945	-0.008279
23	0.049852	0.020645	0.022927	79	0.040516	0.072596	0.032181
24	-0.001022	-0.009701	0.000518	80	0.036900	0.020577	0.007312
25	-0.007572	-0.015753	-0.018993	81	-0.004027	-0.009460	-0.007478
26	0.037918	0.050174	0.004959	82	-0.005248	0.006252	0.013758
27	0.035524	0.002470	-0.020008	83	-0.067181	-0.026969	-0.056243
28	-0.088530	-0.058078	-0.043295	84	-0.030582	-0.001451	-0.006401
29	-0.041914	0.010054	-0.024781	85	-0.036545	0.010698	-0.033329
30	-0.005407	-0.029887	0.005143	86	0.032094	-0.012134	0.037562
31	-0.029926	-0.011225	0.008100	87	-0.005105	0.023298	0.041108
32	0.023444	0.026504	-0.006011	88	-0.035690	0.009070	-0.060221
33	-0.016532	0.002392	0.009618	89	-0.026805	-0.013154	0.003084
34	-0.017628	-0.022893	-0.002464	90	0.014591	-0.001149	-0.003837
35	-0.007781	0.010038	0.015425	91	-0.007511	0.000992	-0.034354
36	0.015747	-0.051567	-0.028405	92	0.023488	0.038423	0.057389
37	0.036843	0.007948	-0.045100	93	-0.079262	-0.030409	-0.043431
38	-0.014928	-0.025005	-0.030620	94	0.047112	-0.003613	0.029281
39	-0.026670	0.002288	0.026609	95	0.005730	-0.030713	-0.081626
40	-0.016271	0.015658	-0.010740	96	-0.045284	-0.045453	-0.023600
41	-0.033092	0.003272	-0.010303	97	-0.065135	0.000155	-0.032325
42	-0.054687	-0.010039	-0.081402	98	0.037463	0.019470	0.042835
43	0.019839	-0.000102	0.008872	99	-0.047693	-0.051052	-0.013302
44	-0.004266	0.033758	0.021862	100	-0.002558	0.022163	0.002897
45	-0.001320	0.001041	-0.007804	101	-0.000929	0.001428	0.015207
46	-0.028499	-0.027781	-0.036694	102	0.042060	0.034595	0.088993
47	-0.009114	-0.003394	-0.007231	103	-0.052925	-0.037937	-0.029515
48	-0.000016	-0.003060	-0.009959	104	0.005270	0.026438	-0.007026
49	-0.034910	0.001639	-0.043949	105	-0.033133	0.003822	-0.012218
50	-0.015900	0.019943	0.004212	106	0.017097	0.005463	0.046978
51	0.020977	-0.000606	0.001908	107	-0.004712	0.020729	0.012114
52	-0.043321	-0.006252	0.001379	108	0.040607	0.052989	0.052313
53	0.066659	-0.023256	-0.013089	109	-0.011361	0.042556	0.051671
54	-0.016781	0.026629	-0.009363	110	0.033800	0.072213	0.015122
55	0.018554	-0.003041	0.013472	111	0.049855	0.033013	0.066751
56	0.014425	-0.038030	-0.020161	112	0.028950	0.017404	-0.019285

	Prose	Document	Quantitative		Prose	Document	Quantitative
113	-0.028384	-0.041704	-0.042578	176	0.053517	0.068158	0.023497
114	-0.001625	0.034958	0.003599	177	0.027245	-0.030043	-0.031639
115	0.051202	0.065211	0.051029	178	-0.013117	-0.014364	0.015226
116	-0.012271	-0.028767	-0.020717	179	0.047136	0.064496	0.029324
117	-0.053872	-0.034091	0.003628	180	0.095186	0.081221	0.118004
118	0.056890	0.072086	0.080958	181	-0.089629	-0.039962	-0.036358
119	0.002490	0.024539	-0.005496	182	-0.081434	-0.127756	-0.020975
120	0.032645	0.014529	0.017348	183	-0.059728	0.038371	0.048911
121	-0.039396	-0.013852	0.016028	184	0.053915	-0.008981	0.022197
122	-0.102990	-0.007515	-0.022090	185	0.024570	0.026764	-0.032070
123	0.101599	0.002721	-0.012629	186	0.046124	0.025208	0.034829
124	0.005297	-0.022331	-0.087485	187	-0.025142	-0.030545	-0.000408
125	0.002534	0.032235	0.002393	188	0.058637	0.002408	-0.043807
126	0.024925	0.036739	0.004810	189	-0.095430	-0.127006	-0.008203
127	-0.018023	0.001981	-0.033553	190	-0.099259	-0.073843	-0.010435
128	-0.016540	0.010016	-0.040248	191	0.010319	-0.034114	0.025940
129	0.046602	0.044743	0.031324	192	0.078573	0.106708	0.087075
130	0.037049	0.034375	0.044014	193	-0.096024	-0.039775	-0.024144
131	-0.038138	-0.029644	-0.050953	194	0.056318	0.013941	0.063666
132	0.081140	0.080645	0.040575	195	0.041200	-0.001490	0.073673
133	0.041220	0.019105	0.035682	196	0.078400	0.064251	0.033923
134	0.062590	0.020505	-0.012509	197	0.010087	0.052857	0.032384
135	0.006133	0.036070	-0.004938	198	0.010744	-0.013520	0.031792
136	0.004026	0.015198	0.008078	199	-0.042792	-0.055403	0.001000
137	0.061381	-0.002229	0.038875	200	-0.010426	-0.031121	-0.012746
138	0.007543	-0.031943	-0.043280	201	0.037168	0.025947	-0.050658
139	-0.090683	-0.037671	-0.062426	202	0.076217	0.028951	0.049070
140	-0.005264	0.005673	0.024687	203	0.024920	-0.041832	-0.001721
141	-0.042486	-0.010730	0.007184	204	-0.114888	-0.047669	-0.094505
142	-0.023105	-0.003048	-0.035171	205	0.023248	0.022337	0.014508
143	-0.060511	-0.001009	0.054086	206	0.070822	0.001384	0.035751
144	0.008030	0.009280	-0.012930	207	0.005382	-0.009516	0.067701
145	-0.049440	-0.052883	-0.038357	208	-0.010340	-0.058793	0.009885
146	-0.000030	-0.019706	-0.002429	209	-0.017292	0.021813	-0.021749
147	0.016900	-0.006279	0.044934	210	0.007379	-0.020276	-0.050906
148	0.020380	0.009979	0.007967	211	0.076506	0.080075	0.057274
149	-0.038262	0.007680	-0.047827	212	-0.068471	0.086012	-0.020107
150	0.071183	0.086266	0.027368	213	-0.010257	-0.044884	-0.009749
151	-0.041660	0.012230	-0.021877	214	-0.085220	-0.039352	-0.114865
152	0.032483	-0.027630	-0.013635	215	0.020931	0.016353	0.090330
153	-0.052609	0.002632	-0.009997	216	-0.007994	-0.008726	0.089925
154	0.037496	-0.003962	0.012940	217	-0.013781	0.014194	0.011713
155	-0.041408	-0.061123	-0.031518	218	0.046753	0.003008	0.033913
156	-0.003278	-0.022905	-0.019210	219	0.036094	0.024667	-0.010037
157	-0.029915	-0.040653	0.000886	220	-0.067357	-0.055975	-0.110139
158	-0.149524	-0.046008	-0.052838	221	-0.082353	-0.024666	-0.012930
159	-0.034975	-0.018606	0.033034	222	0.007705	0.000582	0.007445
160	-0.082961	-0.068835	-0.076822	223	0.014729	0.035137	0.033280
161	-0.123266	-0.051080	0.019153	224	-0.032909	-0.054567	-0.040668
162	-0.040868	-0.014158	-0.008891	225	-0.057445	-0.035665	-0.051152
163	-0.000118	0.055851	0.043320	226	-0.012623	-0.006733	-0.061505
164	-0.131761	-0.091515	-0.079388	227	0.010394	-0.023002	0.057118
165	-0.125266	-0.097010	-0.020293	228	-0.036654	0.020282	-0.023880
166	0.120325	0.122827	0.021676	229	0.052759	-0.001380	0.042809
167	-0.095472	-0.068295	0.000718	230	-0.062926	-0.053527	-0.062693
168	-0.060790	0.001388	0.010366	231	0.085731	0.065321	0.053125
169	-0.053578	-0.071990	0.014592	232	0.016716	0.016639	0.007850
170	0.093001	0.034875	-0.016046	233	0.023704	-0.034080	-0.057031
171	0.067564	0.050581	0.025562	234	-0.071324	-0.023398	-0.060009
172	0.008479	-0.044934	-0.033439	235	0.054490	0.015105	-0.043954
173	0.037565	0.037211	0.115551	236	0.025261	0.059712	0.092530
174	0.087492	0.103395	0.068621	237	-0.043365	0.008669	-0.016895
175	-0.100635	-0.011538	-0.066955	238	-0.046877	-0.004387	-0.034713

	Prose	Document	Quantitative		Prose	Document	Quantitative
239	0.074573	-0.025891	0.009077	272	0.020789	-0.016149	-0.020259
240	-0.070373	-0.017536	-0.090507	273	0.034973	0.022547	-0.057658
241	0.041324	0.075884	-0.013010	274	-0.032169	-0.060975	-0.054036
242	0.020968	0.056989	0.082148	275	0.073935	0.010137	0.064657
243	0.003493	0.036686	0.006098	276	-0.023246	0.012239	-0.010071
244	-0.136340	-0.087663	-0.068879	277	0.005462	0.003324	-0.021008
245	0.034485	-0.076457	-0.106375	278	-0.093062	-0.003271	-0.013992
246	-0.059404	0.041748	0.090852	279	0.013211	0.016054	-0.000961
247	0.014792	-0.040449	0.024501	280	0.011788	-0.016551	-0.005429
248	0.024626	0.035784	0.027012	281	0.017884	0.012250	0.036243
249	0.002038	0.009055	-0.021120	282	-0.006219	-0.018212	-0.009014
250	0.011074	-0.006154	-0.008240	283	-0.042659	0.015312	-0.003625
251	0.010565	0.002191	0.005604	284	-0.032679	0.025279	0.028521
252	-0.001337	-0.000135	0.000067	285	0.034593	0.060918	0.060077
253	-0.015997	-0.018208	-0.065155	286	0.045853	-0.008138	0.098533
254	0.031884	0.019099	-0.006782	287	-0.083068	-0.044243	-0.074861
255	0.022806	0.010832	0.018750	288	0.017543	-0.006686	0.079878
256	-0.047281	-0.012296	0.018907	289	-0.032950	-0.012982	-0.014884
257	-0.058781	0.006861	-0.027564	290	0.003796	0.036176	0.013545
258	-0.001453	-0.025525	-0.128271	291	-0.048610	-0.065322	-0.061833
259	-0.015247	-0.052329	-0.020261	292	-0.052734	-0.021560	-0.006262
260	-0.114785	-0.095892	-0.006029	293	-0.019607	-0.080347	-0.029365
261	-0.031691	0.011521	0.045710	294	-0.029012	-0.021472	-0.014167
262	0.075018	0.014134	-0.077921	295	-0.004429	0.094150	0.107406
263	0.013794	-0.004485	0.007900	296	0.013387	0.001851	-0.040036
264	-0.024124	-0.057904	0.007305	297	-0.050987	-0.082685	-0.055733
265	-0.003682	-0.017131	0.030737	298	-0.004564	0.021338	0.069134
266	0.020039	-0.011149	0.016667	299	-0.062488	0.013864	-0.065395
267	0.029544	0.032481	0.003408	300	-0.053988	-0.058201	-0.033302
268	-0.051239	-0.038409	0.016057	301	-0.034463	0.023448	-0.018039
269	0.007642	-0.021031	-0.082381	302	-0.059383	-0.001880	0.000043
270	0.019068	-0.041019	-0.055735				
271	0.060972	0.063323	0.009870				

Appendix C: GAMMAs
NATIONAL ADULT LITERACY SURVEY
Prison Sample

	Prose	Document	Quantitative		Prose	Document	Quantitative
1	-0.386127	0.115492	-0.679943	56	0.025622	0.006128	0.009158
2	0.098797	0.115528	0.084354	57	0.008399	0.013486	0.003544
3	-0.119333	-0.147741	-0.112306	58	0.023643	0.013188	0.053960
4	-0.009922	-0.008031	-0.033271	59	-0.007247	-0.015498	-0.008535
5	0.038080	0.069555	0.064672	60	0.008813	0.036166	0.046600
6	-0.101066	-0.101378	-0.128542	61	0.011741	-0.028406	-0.047608
7	-0.006638	0.002384	-0.006024	62	0.073372	0.015817	0.071543
8	0.045433	0.088297	0.056090	63	0.012914	0.014476	0.018365
9	0.063591	0.021258	0.042825	64	-0.008764	-0.010450	-0.023790
10	-0.010620	-0.020706	-0.019262	65	0.026168	0.010661	0.029063
11	-0.071385	0.000707	-0.007395	66	-0.036864	-0.010824	-0.059075
12	0.072714	0.060405	0.056821	67	-0.023476	-0.019117	-0.011770
13	0.002147	0.003294	0.008546	68	0.012919	-0.012260	-0.026808
14	0.039614	-0.016900	0.013515	69	0.034293	0.063347	0.046600
15	-0.043960	-0.047101	-0.048928	70	0.059590	0.067941	0.041859
16	0.015271	0.005392	-0.010340	71	0.010522	0.022620	0.036283
17	0.050484	0.052416	0.051440	72	0.046969	0.028438	0.039097
18	0.009645	-0.000991	0.037162	73	-0.016075	0.008363	-0.031558
19	-0.029589	0.004990	-0.005317	74	0.022733	-0.005260	0.045034
20	0.020002	0.027607	0.063484	75	0.048615	0.019959	0.013867
21	0.003605	-0.001052	0.013750	76	0.022498	0.004851	0.036237
22	0.050437	0.025307	0.059811	77	0.041916	0.048629	0.020832
23	0.025273	0.066893	0.078071	78	0.019887	-0.005369	-0.008488
24	0.015111	0.026809	0.036992	79	-0.038142	-0.045681	-0.013927
25	0.008746	0.021444	0.058359	80	-0.008103	-0.049953	-0.005571
26	0.009600	0.015503	0.048090	81	-0.021502	0.042218	0.024686
27	0.016856	0.017308	-0.000435	82	-0.009873	0.014575	-0.054513
28	-0.062733	-0.054986	-0.033628	83	-0.003567	0.009675	-0.057259
29	0.029458	-0.013786	0.035065	84	-0.015850	-0.011504	-0.019602
30	-0.011410	-0.038673	-0.015364	85	0.010857	-0.016347	-0.043510
31	0.018421	0.004432	0.010688	86	-0.012352	-0.008561	-0.037641
32	0.004188	0.001543	0.010891	87	0.031373	0.020015	0.011665
33	-0.022714	-0.029624	0.012059	88	0.011445	0.003191	0.008798
34	0.043681	0.034507	0.011151	89	-0.039701	-0.011745	-0.006750
35	0.029949	0.000454	0.023246	90	-0.003997	-0.014574	-0.001786
36	-0.013308	0.028778	-0.018692	91	-0.055559	-0.011462	-0.064019
37	0.001964	-0.024369	0.051740	92	0.060769	0.015116	0.038254
38	-0.001353	-0.016757	-0.019114	93	0.014078	0.040705	0.025106
39	-0.021444	-0.053042	-0.026912	94	0.017253	0.032904	0.027442
40	0.009998	0.014635	0.021932	95	0.017401	0.024886	0.013946
41	0.015156	0.004046	0.021452	96	0.023030	0.045523	0.065414
42	0.018623	0.049478	0.030782	97	-0.004253	0.022086	0.014789
43	0.023381	-0.012094	0.018388	98	0.055388	0.068430	0.105604
44	0.015585	0.006362	-0.001647	99	0.053841	0.019025	-0.008768
45	0.014962	0.003746	-0.023795	100	-0.053040	-0.019697	-0.055662
46	0.010497	0.006209	0.020963	101	-0.009601	-0.003790	0.016514
47	-0.047161	-0.045674	-0.051391	102	0.008010	0.023432	0.042046
48	-0.008596	-0.025872	0.048486	103	0.004746	-0.021115	0.005169
49	0.007507	0.048285	0.041077	104	0.002392	0.014636	0.047088
50	-0.001013	0.019335	-0.015324	105	0.002100	-0.034194	-0.039841
51	0.047688	0.070190	0.097123	106	-0.016487	-0.027438	-0.043442
52	-0.010818	-0.006446	0.043799	107	-0.023802	0.010130	-0.029880
53	0.031026	0.034537	0.047204	108	0.004812	-0.019412	0.051052
54	-0.010685	-0.045518	-0.040707	109	-0.032711	-0.046812	-0.051037
55	0.015535	-0.010227	-0.004162	110	0.013359	0.049220	0.061664

	Prose	Document	Quantitative		Prose	Document	Quantitative
111	-0.037045	-0.006881	0.029014	174	-0.044997	-0.007263	-0.031639
112	0.018897	0.010860	0.036167	175	0.006280	-0.003237	-0.038459
113	-0.025220	-0.010970	-0.027394	176	-0.016205	0.026528	0.057793
114	-0.028522	-0.032548	0.007457	177	-0.045052	-0.027313	-0.072989
115	-0.048154	-0.068954	-0.074520	178	-0.023367	0.045511	0.042296
116	-0.035048	-0.029749	-0.022708	179	0.020901	0.058120	0.035285
117	-0.018531	-0.049987	-0.059223	180	-0.051920	-0.039995	-0.032435
118	0.003765	0.011666	-0.002760	181	0.044260	0.037946	0.041944
119	0.043675	-0.030724	-0.011411	182	-0.014558	-0.015115	0.012966
120	0.017049	0.031123	0.036281	183	0.005376	-0.000464	0.021033
121	-0.042115	-0.018285	-0.032984	184	-0.010394	-0.013561	-0.098017
122	0.002604	-0.026589	-0.028350	185	0.000516	0.033379	-0.016930
123	0.020407	0.049889	0.036644	186	0.033231	0.020421	0.053701
124	-0.044875	-0.042949	-0.004192	187	0.027038	0.034328	-0.035205
125	0.032112	0.021865	0.051860	188	0.020023	0.039011	0.027479
126	0.017408	-0.017913	0.029637	189	0.045812	0.010914	0.053145
127	0.015177	0.064081	-0.012195	190	-0.055033	-0.022511	-0.028896
128	-0.014977	-0.006745	0.000607	191	0.044691	-0.023748	0.050027
129	-0.015005	-0.024953	-0.036312	192	0.010190	0.006443	-0.017211
130	0.004399	0.029152	0.009712	193	-0.021526	-0.023708	-0.029452
131	0.008009	0.011945	0.018685	194	0.030060	0.007809	0.025324
132	-0.037840	-0.022206	-0.017948	195	0.032094	-0.004360	0.024545
133	-0.029476	-0.021716	0.025163	196	-0.006352	0.057813	-0.026279
134	0.032954	-0.004876	0.041474	197	0.049916	0.019031	0.073415
135	0.001990	0.001866	-0.027223	198	0.029459	0.003176	-0.030769
136	-0.007407	0.001661	-0.000307	199	-0.058354	-0.046693	-0.098602
137	-0.003584	0.043374	0.026743	200	-0.056031	-0.025985	-0.003133
138	0.011257	0.016954	-0.048631	201	0.004596	-0.032438	-0.092215
139	-0.027242	-0.040754	-0.053129	202	0.045533	-0.022636	0.000578
140	0.038098	-0.014581	-0.011786	203	0.009320	-0.010225	0.006611
141	-0.021438	-0.000328	-0.041456	204	-0.052631	-0.050596	0.012799
142	0.013231	-0.001864	-0.015223	205	-0.031363	-0.001457	-0.068431
143	0.021533	-0.005629	-0.015153	206	0.034183	0.046132	0.028984
144	-0.022164	0.027300	0.016554	207	-0.029619	0.034883	-0.024560
145	0.028294	0.036726	0.046019	208	0.023537	0.023194	0.007812
146	0.015652	0.035682	-0.017865	209	-0.034443	-0.004238	-0.039429
147	0.018223	-0.001434	-0.019782	210	-0.001119	0.028951	-0.026840
148	-0.001679	-0.027476	-0.017189	211	-0.040295	-0.003369	-0.036675
149	0.030393	0.022408	-0.000927	212	-0.012652	-0.018627	0.009679
150	0.013463	-0.028601	-0.091329	213	-0.014955	-0.004247	0.019465
151	0.026264	0.056480	0.033862	214	0.015441	0.004260	0.005536
152	0.002077	-0.021658	-0.040907	215	0.016017	0.006281	-0.023654
153	0.000157	0.038946	0.030253	216	-0.000645	0.044151	0.064389
154	0.002772	-0.003294	0.002876	217	-0.064714	0.040988	0.020513
155	-0.021192	-0.038986	-0.059001	218	0.021936	-0.025010	0.010566
156	0.022895	-0.048764	0.001878	219	0.025180	0.053746	0.041178
157	0.015804	0.032472	0.067740	220	0.052034	0.061584	0.092301
158	-0.060983	-0.031499	-0.064658	221	-0.001335	0.035925	0.039059
159	-0.013410	-0.008367	0.015238	222	0.007884	0.013447	0.041253
160	-0.007173	-0.032191	-0.074340	223	0.036239	-0.025363	-0.007983
161	0.044998	0.014985	0.001677	224	-0.056438	-0.059634	0.009229
162	0.018962	0.005356	0.014188	225	-0.040164	-0.035788	-0.029660
163	-0.022333	-0.003362	-0.015549	226	-0.032352	-0.019189	-0.050331
164	-0.041969	-0.038665	-0.031970	227	0.012939	0.032009	0.015540
165	-0.022325	0.015666	-0.001232	228	0.018708	0.013918	0.006742
166	0.017775	0.026726	0.012530	229	-0.068357	-0.080536	-0.103954
167	-0.004095	0.022341	-0.016214	230	-0.048546	-0.012633	-0.004435
168	0.028579	-0.020722	0.001295	231	0.033861	0.044524	0.058598
169	-0.002153	-0.013035	-0.029983	232	0.044909	0.026979	-0.003536
170	0.066341	0.032730	0.035171	233	0.080741	0.122653	0.082427
171	-0.005796	-0.004321	-0.012371	234	-0.004219	0.013281	-0.031707
172	0.001836	0.005711	0.029768	235	0.011301	0.050581	0.052976
173	0.005651	0.000893	0.021285	236	-0.035830	-0.005951	0.024603

	Prose	Document	Quantitative		Prose	Document	Quantitative
237	0.039636	-0.008417	-0.012227				
238	0.047586	0.066837	0.049539				
239	0.039380	0.022710	-0.067035				
240	0.003391	-0.018961	-0.019717				
241	-0.012766	-0.037832	-0.032727				
242	-0.014758	-0.033731	-0.035291				

Appendix D

RP80s AND ITEM PROBABILITIES X 100

Appendix D: RP80s and Item Probabilities X 100
NATIONAL ADULT LITERACY SURVEY

PROSE								
Item #	RP80	150	200	250	300	350	400	450
AB21101	207.9	31.	75.	95.	99.	100.	100.	100.
AB21201	250.0	10.	40.	80.	96.	99.	100.	100.
AB30501	370.3	5.	12.	27.	50.	73.	88.	95.
AB30601	332.6	2.	7.	24.	60.	87.	97.	99.
AB31201	362.3	2.	7.	21.	47.	75.	91.	97.
AB40901	328.1	3.	11.	32.	65.	88.	97.	99.
AB41001	262.0	28.	53.	76.	90.	96.	99.	100.
AB50101	467.6	3.	6.	12.	23.	39.	58.	75.
AB50201	342.2	20.	21.	26.	50.	84.	97.	100.
AB60201	280.0	2.	13.	54.	90.	99.	100.	100.
AB60601	304.1	6.	20.	48.	78.	93.	98.	100.
AB70401	288.6	13.	33.	62.	84.	94.	98.	99.
AB71001	274.8	27.	33.	61.	92.	99.	100.	100.
AB71101	347.3	2.	8.	24.	54.	81.	94.	98.
NC00301	149.0	81.	95.	99.	100.	100.	100.	100.
NC00401	223.6	38.	69.	89.	97.	99.	100.	100.
N010101	348.5	1.	5.	19.	50.	81.	95.	99.
N010201	287.6	3.	15.	52.	86.	97.	100.	100.
N010301	432.5	0.	1.	3.	11.	32.	63.	86.
N080101	225.7	12.	56.	92.	99.	100.	100.	100.
N080201	276.5	1.	8.	51.	93.	99.	100.	100.
N080301	361.6	5.	13.	29.	53.	76.	90.	96.
N090601	252.7	1.	13.	77.	99.	100.	100.	100.
N090701	256.1	1.	12.	74.	98.	100.	100.	100.
N090801	359.1	0.	1.	4.	26.	73.	96.	99.
N100101	238.3	5.	38.	88.	99.	100.	100.	100.
N100201	283.4	1.	10.	49.	89.	99.	100.	100.
N100301	286.5	2.	12.	49.	87.	98.	100.	100.
N100401	382.5	1.	2.	9.	28.	62.	87.	96.
N110101	261.1	9.	35.	74.	94.	99.	100.	100.
N110401	313.3	6.	18.	44.	74.	91.	97.	99.
N110501	275.7	7.	27.	64.	90.	98.	100.	100.

					PROSE			
Item #	RP80	150	200	250	300	350	400	450
N110601	410.0	0.	0.	2.	8.	33.	74.	94.
N120301	315.2	1.	6.	28.	70.	93.	99.	100.
N120401	316.8	1.	4.	23.	68.	94.	99.	100.
N120501	423.0	0.	0.	2.	8.	30.	66.	90.
N120901	209.5	41.	75.	93.	98.	100.	100.	100.
N130201	323.7	1.	4.	22.	63.	91.	99.	100.
N130301	374.4	0.	1.	7.	26.	64.	90.	98.
N130401	346.1	0.	0.	3.	26.	83.	99.	100.
N130801	273.5	16.	40.	69.	89.	96.	99.	100.

DOCUMENT							
Item #	RP80	150	200	250	300	350	400	450
SCOR100	69.2	94.	97.	99.	100.	100.	100.	100.
SCOR300	151.1	80.	95.	99.	100.	100.	100.	100.
AB20101	255.1	27.	43.	77.	95.	99.	100.	100.
AB20201	277.3	16.	32.	64.	89.	97.	99.	100.
AB20301	306.7	15.	20.	40.	76.	95.	99.	100.
AB20401	288.6	38.	53.	69.	83.	91.	96.	98.
AB20501	290.4	40.	55.	70.	82.	90.	95.	97.
AB20601	265.2	16.	34.	71.	93.	99.	100.	100.
AB20701	323.5	26.	38.	56.	73.	86.	94.	97.
AB20801	313.1	15.	17.	31.	70.	95.	99.	100.
AB20901	347.5	16.	17.	22.	45.	81.	97.	100.
AB21001	314.4	20.	29.	50.	74.	90.	97.	99.
AB21501	260.4	18.	45.	75.	92.	98.	99.	100.
AB30101	231.7	24.	60.	88.	97.	99.	100.	100.
AB30301	239.9	22.	55.	84.	96.	99.	100.	100.
AB30401	296.3	14.	33.	59.	81.	93.	98.	99.
AB30701	244.7	17.	50.	83.	96.	99.	100.	100.
AB30801	346.3	4.	12.	30.	58.	81.	93.	98.
AB30901	378.7	30.	41.	53.	65.	75.	83.	89.
AB31001	303.3	6.	19.	48.	79.	94.	98.	100.
AB31101	279.5	14.	35.	66.	87.	96.	99.	100.
AB31301	234.7	35.	64.	85.	95.	98.	100.	100.
AB40101	233.2	30.	62.	86.	96.	99.	100.	100.
AB40401	313.3	1.	6.	29.	71.	94.	99.	100.
AB50401	245.9	26.	56.	82.	94.	98.	100.	100.
AB50402	313.1	6.	19.	45.	74.	91.	97.	99.
AB50501	328.2	33.	47.	61.	74.	84.	90.	94.
AB50601	275.4	6.	25.	64.	90.	98.	100.	100.
AB50701	253.7	7.	33.	78.	96.	99.	100.	100.
AB50801	223.5	41.	70.	88.	96.	99.	100.	100.
AB50901	274.9	10.	31.	66.	89.	97.	99.	100.
AB60101	245.1	7.	39.	83.	97.	100.	100.	100.

DOCUMENT							
Item #	RP80	150	200	250	300	350	400	450
AB60102	245.2	5.	33.	83.	98.	100.	100.	100.
AB60103	244.7	16.	48.	83.	96.	99.	100.	100.
AB60104	237.5	5.	38.	88.	99.	100.	100.	100.
AB60301	199.3	28.	81.	98.	100.	100.	100.	100.
AB60302	201.8	39.	79.	96.	99.	100.	100.	100.
AB60303	248.6	18.	49.	81.	95.	99.	100.	100.
AB60304	309.0	4.	14.	42.	76.	93.	98.	100.
AB60305	291.9	17.	37.	62.	83.	93.	98.	99.
AB60306	236.6	21.	56.	86.	97.	99.	100.	100.
AB60501	377.5	0.	1.	4.	20.	60.	90.	98.
AB60502	317.7	1.	6.	27.	68.	93.	99.	100.
AB60701	205.4	32.	77.	96.	99.	100.	100.	100.
AB60801	198.3	44.	81.	96.	99.	100.	100.	100.
AB60802	186.8	48.	87.	98.	100.	100.	100.	100.
AB60803	180.3	49.	91.	99.	100.	100.	100.	100.
AB61001	216.4	43.	73.	90.	97.	99.	100.	100.
AB70104	192.8	65.	82.	92.	96.	99.	99.	100.
AB70301	286.6	12.	32.	62.	85.	95.	99.	100.
AB70701	283.8	11.	31.	62.	86.	96.	99.	100.
AB70801	228.3	18.	58.	90.	98.	100.	100.	100.
AB70901	223.1	27.	65.	91.	98.	100.	100.	100.
AB70902	270.8	12.	35.	69.	90.	97.	99.	100.
AB70903	222.6	16.	61.	93.	99.	100.	100.	100.
AB71201	188.0	55.	85.	96.	99.	100.	100.	100.
N010401	214.0	38.	73.	92.	98.	100.	100.	100.
N010801	265.5	16.	41.	73.	91.	97.	99.	100.
N010901	385.5	2.	5.	14.	35.	63.	85.	95.
N011001	316.6	11.	25.	49.	74.	89.	96.	99.
N080601	304.7	2.	10.	38.	77.	95.	99.	100.
N080701	259.7	7.	32.	74.	94.	99.	100.	100.
N080801	322.8	5.	16.	39.	69.	89.	97.	99.
N080802	232.8	9.	48.	90.	99.	100.	100.	100.
N090301	210.9	30.	73.	94.	99.	100.	100.	100.

				DOCUMENT				
Item #	RP80	150	200	250	300	350	400	450
N090401	256.8	11.	39.	76.	94.	99.	100.	100.
N090501	284.7	17.	38.	65.	85.	94.	98.	99.
N100501	303.7	2.	11.	39.	78.	95.	99.	100.
N100601	342.2	0.	2.	12.	46.	84.	97.	100.
N100701	395.7	0.	0.	2.	10.	43.	82.	97.
N110301	250.6	22.	51.	80.	94.	98.	100.	100.
N110302	242.9	31.	59.	83.	94.	98.	99.	100.
N110701	334.2	19.	34.	52.	70.	84.	92.	96.
N110901	387.3	1.	2.	9.	27.	59.	85.	96.
N120101	238.4	19.	54.	85.	97.	99.	100.	100.
N120201	266.6	14.	39.	72.	91.	98.	99.	100.
N120601	212.6	44.	74.	91.	98.	99.	100.	100.
N130101	258.6	1.	15.	72.	97.	100.	100.	100.
N130102	242.2	8.	41.	85.	98.	100.	100.	100.
N130103	242.3	1.	18.	87.	100.	100.	100.	100.
N130104	251.2	0.	10.	79.	99.	100.	100.	100.

			QUANTITATIVE					
Item #	RP80	150	200	250	300	350	400	450
AB40201	355.3	2.	7.	21.	49.	78.	93.	98.
AB40301	310.6	46.	50.	60.	76.	91.	97.	99.
AB40501	325.4	3.	10.	31.	66.	89.	97.	99.
AB40601	294.5	5.	19.	51.	83.	96.	99.	100.
AB40701	277.1	1.	8.	51.	93.	99.	100.	100.
AB40702	280.8	0.	3.	38.	93.	100.	100.	100.
AB40703	282.2	0.	3.	37.	92.	100.	100.	100.
AB40704	283.1	0.	2.	34.	92.	100.	100.	100.
AB50301	432.6	2.	5.	11.	24.	45.	68.	85.
AB50403	381.5	4.	11.	24.	45.	69.	85.	94.
AB50404	270.4	9.	32.	68.	91.	98.	100.	100.
AB60901	344.5	15.	29.	47.	66.	81.	91.	96.
AB70501	330.9	2.	9.	29.	63.	87.	97.	99.
AB70601	348.0	2.	6.	21.	52.	81.	94.	99.
AB70904	220.1	37.	70.	90.	97.	99.	100.	100.
NC00501	191.3	63.	83.	93.	98.	99.	100.	100.
NC00601	246.0	31.	59.	81.	93.	98.	99.	100.
N010501	286.6	9.	28.	60.	85.	96.	99.	100.
N010601	355.0	0.	2.	9.	36.	77.	95.	99.
N010701	341.7	1.	4.	17.	51.	84.	96.	99.
N011101	329.9	1.	5.	23.	60.	89.	98.	100.
N080401	368.2	3.	9.	23.	47.	73.	89.	96.
N080501	321.3	6.	18.	42.	71.	89.	96.	99.
N080901	375.0	1.	4.	12.	35.	67.	89.	97.
N081001	343.4	4.	13.	32.	59.	82.	94.	98.
N090101	308.4	1.	4.	25.	74.	96.	100.	100.
N090201	284.0	0.	4.	40.	90.	99.	100.	100.
N090901	277.8	14.	37.	67.	87.	96.	99.	100.
N091001	420.6	2.	5.	12.	26.	49.	73.	88.
N100801	250.0	34.	59.	80.	92.	97.	99.	100.
N100901	333.0	10.	23.	44.	68.	85.	94.	98.
N101001	277.8	8.	28.	64.	89.	97.	99.	100.

QUANTITATIVE								
Item #	RP80	150	200	250	300	350	400	450
N110201	359.6	0.	2.	10.	36.	75.	94.	99.
N110303	238.3	31.	61.	84.	95.	99.	100.	100.
N110801	299.7	6.	20.	50.	80.	94.	99.	100.
N120701	279.1	9.	29.	63.	88.	97.	99.	100.
N120801	365.3	0.	2.	9.	33.	71.	92.	98.
N121001	331.8	1.	5.	22.	59.	88.	97.	99.
N121101	405.1	0.	1.	4.	14.	43.	77.	94.
N130501	388.4	3.	8.	19.	39.	64.	84.	94.
N130601	306.3	2.	9.	36.	76.	95.	99.	100.
N130701	435.5	0.	1.	3.	10.	29.	61.	86.
N130901	350.4	1.	4.	17.	47.	80.	95.	99.

Appendix E

NON-INTERVIEW REPORT FORM

Appendix E: Non-Interview Report Form
NATIONAL ADULT LITERACY SURVEY

This section contains excerpts from the interviewers' manual describing how the Non-interview Report form was to be completed and the interviewers' observations on how the respondent completed the exercises. Responses to these questions are included in the data file.

        Whenever you are unable to complete a Background Questionnaire and/or an Exercise Booklet with the respondent, you must complete the Non-interview Report (NIR) form. This form is a separate, single page (double-sided) document that can easily be identified by its purple markings along the sides of the page. It should also be filled out when you have partially completed either the Background Questionnaire or Exercise Booklet. That is, you would complete the NIR when the respondent broke off the interview or exercise before you were able to ask all applicable questions in the Background questionnaire or lead the respondent through all of the tasks in the Exercise Booklet.

        Be sure to write your name and the date of the non-response in the spaces provided at the top of side one on the NIR form. At the top of the page on side one, you will also notice space for a Westat ID label and an ID number grid box. You will be responsible for attaching a mini-label, writing in the ID number (including the respondent number) at the top of the grid box from the label, as well as filling in the corresponding bubbles in the box for the ID. In addition to the Westat ID number, if you began the Exercise with the respondent, but are filling out the NIR because the respondent was not able to complete the Exercise Booklet, please write in the Booklet ID number in the spaces provided at the top of the page and fill in the corresponding bubbles. Please be aware that side one of the NIR form is a "scannable" document and side two is not. Please write any additional comments you may have concerning the nonresponse on page two only, leaving side one free of stray marks and marginal notes.

BACKGROUND QUESTIONNAIRE
AND EXERCISE NON-INTERVIEW REPORT (NIR)

NAME OF INTERVIEWER: _____   DATE: _____

CAREFULLY PLACE LABEL INSIDE THIS BOX

(grid of bubbles 0–9, ten columns, with an extra column containing 1 and 2)

ENTER BOOKLET NUMBER

(grid of bubbles 0–9, six columns)

1. What is the status of this case?

    BQ nonresponse: respondent did not begin BQ .... ①
    BQ nonresponse: respondent started but did not complete BQ .... ②
    EX nonresponse: respondent completed BQ but did not start Exercise .... ③
    EX nonresponse: respondent completed BQ and started but did not complete Exercise
    (Enter booklet ID number above) .... ④

2. Why were you unable to begin or complete the Background Questionnaire or Exercise?

    Non-English language .... ① **(Q3)**   Someone refused for respondent .... ⑤ **(Q6)**
    Physical or mental disability .... ② **(Q4)**   Maximum calls... ⑥ **(Q7)**
    Reading and/or writing difficulty ...... ③ **(Q5)**   Unavailable during field period.................... ⑦ **(Q7)**
    Respondent refused....................... ④ **(Q6)**   Other reason .... ⑧ **(Q8)**

3. Which non-English language did the respondent speak, read, and/or write?

    Spanish .... ① **(BOX 1)**
    Other language (SPECIFY): _____ .... ② } **(END OF NIR)**
    Could not determine .... ③

BOX 1. If this is a BQ nonresponse (Q.1 coded 1 or 2), go to Q.8. Otherwise, end of NIR.

4. Code the nature of respondent's disability. Code all that apply.

    Learning disability........................... ①   Blind/Visual impairment............................... ⑤
    Any mental or emotional   Speech/Language impairment....................... ⑥
    condition... ②   A physical disability .... ⑦
    Mental retardation .... ③   Other
    Hearing impairment .... ④   (SPECIFY): _____ ⑧

BOX 2. If this is a BQ nonresponse (Q.1 coded 1 or 2), go to Q.8. Otherwise, end of NIR.

5.   Explain in detail the nature of the respondent's reading and/or writing problem.

_____

_____

_____

<div style="border:1px solid black;text-align:center;font-weight:bold;">END OF NIR</div>

6.   Explain the circumstances surrounding the refusal or breakoff, recording what the respondent (or individual refusing for the respondent) said.

_____

_____

_____

<div style="border:1px solid black;text-align:center;font-weight:bold;">GO TO Q.8</div>

7.   Explain in detail why your were unable to begin or complete the Background Questionnaire or Exercise.

_____

_____

_____

8.   Record any information below that might help another interviewer complete the Background Questionnaire and/or the Exercise Booklet with this respondent.

_____

_____

_____

9.   Any additional comments.

_____

_____

_____

Q.1 This item tells us whether this is a Background
Questionnaire NIR or an Exercise NIR. It also notes the status
of the BQ and/or Exercise. To code this question, follow these
rules using the result code you have entered on the Record of
Actions for the Background Questionnaire and Exercise:

- Code "BQ nonresponse: respondent did not begin BQ" if
  the result code for the Background Questionnaire is
  blank, 3 through 9, or 0.

- Code "BQ nonresponse: respondent started but did not
  complete BQ" if the result code for the Background
  Questionnaire is 2.

- Code "EX nonresponse: respondent completed BQ but did
  not start Exercise" if the result code for the
  Background Questionnaire is 1 and the result code for
  the Exercise is 07 through 11.

- Code "EX nonresponse: respondent completed BQ and
  started but did not complete Exercise" if the result
  code for the Background Questionnaire is 1 and the
  result code for the Exercise is 02 through 06.

Q.2 Your answer to this question should be consistent with the
final result code you assigned at either the Background
Questionnaire level or the Exercise level as the reason for the
nonresponse. Refer to the following for definitions of the
answer categories.

1   Non-English language - The respondent was unable to
     speak or read English well enough to begin or to
     complete the Background Questionnaire or Exercise. (If
     the respondent's non-English language is Spanish, you
     should have made an effort to use an adult to assist
     with the Spanish version of the Background
     Questionnaire.)

     In determining when to assign this code, remember that
     there may be some respondents who cannot speak or
     understand English when spoken to but who are able to
     read in English. If a R is unable to speak or
     understand English, our rules state that he/she is
     unable to participate in the Background Questionnaire
     interview. However, if they can read English, they can
     complete the Exercise. If a non-English speaking
     respondent is able to complete the exercise, then try
     to use a translator to administer the BQ in the
     respondent's non-English language. This is the ONLY
     situation where a translator can be used to obtain a BQ
     interview in a language other than English or Spanish.

2   Physical or mental disability - The respondent was
     unable to complete or to begin the Background
     Questionnaire or Exercise due to a physical or mental
     impairment, such as a chronic illness, vision problems,
     hearing problems, or a psychological disorder.

3   Reading and/or writing difficulty - The respondent was
     unable to begin or to complete the Exercise due to
     insufficient reading and/or writing skills. This
     category should only include those respondents who
     cannot read or write for reasons other than a physical
     or mental disability.

4   Respondent Refused - The respondent was unwilling to
     begin or to complete the Background Questionnaire or
     Exercise.

5   Someone refused for respondent - An adult, not
     necessarily a household member, refused to allow the
     respondent to begin or to continue with the Background
     Questionnaire or Exercise. (Most commonly, this will
     be parents refusing for teenagers, or adults refusing
     for their elderly parents.)

6   Maximum calls - You were unable to complete the
     Background Questionnaire and Exercise after making at
     least four attempts (in addition to the Screener
     attempts) on different days and at different times.

7   Unavailable during field period - The selected
     respondent was out of town or was otherwise not
     available at anytime during the field period. This
     includes non-chronic illness that prevents
     participation for the duration of the field period.

8   Other reason - The respondent did not begin or complete
     the Background Questionnaire or Exercise for any other
     reason not covered elsewhere in this code structure.

Q.3 If you did not begin or complete the Background
Questionnaire or Exercise because of a non-English language
problem, that is, the respondent did not speak, read, or write
English, code the respondent's non-English language at this
question. (If the language is Spanish, you should have made an
effort to use an adult to administer the Spanish version of the
Background Questionnaire. Remember, however, a household
translator cannot be used for any language other than Spanish.)

Q.4 If the respondent is unable to begin or to complete the Background Questionnaire or Exercise because of a physical or mental disability, we want to know more about the type of disability at Q.4. Some disabilities you will be able to observe readily. Other, like a learning disability or mental retardation, may be evident only if someone mentions the problem. It is also possible that a respondent could have more than one of the specified disabilities, so code all that apply. The following examples and definitions of some specific disabilities are to be used as guidelines to help you determine more accurately, the nature of the respondent's disability.

1   Learning disability: If a respondent says that he/she cannot participate in the exercise because of a learning disorder or learning disability, this code would apply. The most common type of learning disability is dyslexia, a type of impairment that affects a person's ability to read. If the respondent mentions dyslexia, or says that he/she has some other form of learning disability, this code would apply. Note that a learning disability should not prevent the respondent from participating in the Background Questionnaire interview. In addition, not all learning disorders would prevent a person from completing the exercise. For example, a person with Attention Deficit Disorder (ADD) is capable of reading and may have no difficulty with completing the Exercise. Persons reporting a learning disability should still be encouraged to attempt the tasks in the Exercise Booklet.

2   Any mental or emotional condition: This includes psychological disorders, dementia, autism, nervous breakdowns, severe depression, schizophrenia, etc.

3   Mental retardation: A person who is mentally slow or delayed in mental development. This can be caused by a birth defect, a congenital condition such as Down's Syndrome, or accident or injury to the brain that results in brain damage.

4   Hearing impairment: For R's who are totally (profoundly) deaf, this code should be used to describe a BQ nonresponse, since a totally deaf respondent cannot participate in the Background Questionnaire interview. R's who are partially deaf or hard of hearing, must be offered the opportunity to try the Exercise. If, however, they cannot begin or complete the Exercise because of a hearing impairment, use this code to describe the situation. Respondents with hearing impairments should be encouraged to use a hearing aid(s) or other device that would enable them to take part in the Background Questionnaire and Exercise.

5   Blind/Visual impairment: If R is totally blind, he/she can participate in the Background Questionnaire, but not in the Exercise, so this code would be used to describe an Exercise nonresponse. R's who have a visual impairment must be offered the opportunity to try the Exercise. If, however, they cannot begin or complete the Exercise because of a visual impairment, use this code to describe the situation. Respondents with visual impairments should be encouraged to use glasses or other devices that would enable them to take part in the Exercise.

6   Speech/Language impairment: Includes conditions such as severe stuttering that disable speech communication in English other than lack of proficiency in English. This code also includes aphasia (acquired impairment of verbal behavior caused by brain damage that could impair the R's ability to use and/or understand words).

7   A physical disability: Includes physical conditions that interfere with an ability to perform the Exercise such as paralysis, amputation of hand/arm, lack of muscle control, etc.

8   Other: Includes Alzheimer's disease, senility and any other condition not covered elsewhere in this code structure.

For a respondent who has had a stroke or suffers from another medical condition that would prevent him/her from completing the Exercise, you should code the symptom(s) the respondent suffers from. For example, a stroke victim who is left paralyzed, blind, and unable to speak would be coded as "5 – Blind/Visual impairment," "6 – Speech/Language impairment," and "7 – A physical disability."

Q.5 Respondents with reading and writing difficulties are encouraged to complete the Background Questionnaire and attempt the Exercise. Respondents who cannot read at all, or very little, may decide not to attempt the Exercise when you hand them the Exercise Booklet. If the respondent volunteers information on the extent of his or her reading ability at this time, record it here.

Q.6 If the respondent was unwilling to begin or to complete the Background Questionnaire or Exercise, record the reason for the refusal or the breakoff, using any verbatim response provided by the respondent or someone refusing for him or her. In the case of a breakoff, record where the breakoff occurred and the words used by the respondent to break off. If a language difficulty is behind the breakoff, note the language involved and describe the situation. Be sure to put a note in the Background Questionnaire or in the appropriate place in the Interview Guide at the point of the breakoff.

Q.7 Use this space to describe the circumstances behind a respondent being "unavailable for the field period," unable to contact after "maximum calls" or unable to be interviewed for "other reasons."

Q.8 You will answer this question for Background Questionnaire nonresponse situations, such as refusals, that might be "converted" if reassigned to another interviewer. This could be a recommendation for a reassignment interviewer of certain characteristics ("R might talk to older interviewer") or a conversation approach that the respondent might consider. As denoted by the skip patterns, language problems, disabilities, and reading/writing problems are skipped past this item because typically, they will not be reassigned.

Appendix F

**FORM FOR INTERVIEWER'S OBERSERVATION
ON THE EXERCISE BOOKLET AND
THE OBSERVATIONS**

Appendix F: Form for Interviewer's Observation on the Exercise Booklet and the Observations
NATIONAL ADULT LITERACY SURVEY

OBSERVATIONS ON EXERCISE BOOKLET

1. Did the respondent appear to try his or her best to complete the exercise booklet?

    Yes 1

    No 2

2. Did the respondent have difficulty …

	Yes	No	N/A
using the newspaper?	1	2	3
using the almanac?	1	2	3
using the calculator (other than lighting)?	1	2	3
responding orally to the taped question(s)?	1	2	3

3. Did the respondent have any noticeable physical problems that could have affected his or her performance?

    Yes 1

    No 2

4. Were there any problems or disruptions during the administration of the exercise booklet that might have affected the respondent's performance?

    Yes (briefly explain) 1

    _____

    No 2

If you find this
Return it postage guaranteed to:

Westat
1650 Research Blvd.
Rockville, MD
20850-3129

6.11   Interviewer Observations

At the conclusion of the exercise, (after you have left the household), complete the observation page in the inside of the Call Record Folder. This page is shown as Exhibit 6-7.) Base your answers on the respondent's overall attitude and approach towards the exercise. Note that you only complete this final set of observations if the respondent completed the entire exercise (exercise result code "1"). In multi-respondent households, complete the Call Record observations for Respondent #1.

Exhibit 6-7   Interviewer Observations Section of Call Record
                Folder

INTERVIEWER OBSERVATIONS

If the Exercise Code is a "1", please answer the following questions. If more than one R
in HH complete for R #1.

		Yes	No
1.	Were you able to conduct the exercise in a place with adequate lighting?...	1	2
2.	Were there many disruptions during the administration of the exercises that might have effected the R's performance?	1	2
3.	Did the R seem interested in participating in the survey?	1	2
4.	Did the R appear to try his or her best to complete the set of exercises?	1	2
5.	Did the R have any noticeable physical problems that could have affected his or her performance?	1	2

NOTES

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Appendix G

ENGLISH BACKGROUND QUESTIONNAIRE FOR HOUSEHOLDS

USING PRINTED MATERIALS

A SURVEY OF AMERICA'S ADULTS

NALS

PLACE LABEL HERE

ENGLISH BACKGROUND QUESTIONNAIRE

Booklet ID #

Office Use Only

BQ Elapsed Time

EX Elapsed Time

The National Center for Education Statistics is supporting the conduct of NALS through a contract awarded to

ⒺⓈ. **Educational Testing Service**

A Survey Of America's Adults
BACKGROUND QUESTIONNAIRE

IF R IS NOT SCREEENER R:
Hello, I am (NAME) from Westat. My organization is helping the United States Department of Education with a very important survey about how adults use printed materials. Recently, another member of your household told me who lives here. Based on this information, you were selected at random to take part in the survey.

IF R IS SCREEENER R:
You have been selected to participate in the survey.

I will ask you a short set of questions about your background, education, and work experiences. Then, I will give you a booklet containing exercises based on printed materials, such as newspapers, maps, stories, brochures, forms, and advertisements. Others who have completed these exercises found them interesting and fun. The entire survey will take approximately one hour to complete, and you will be paid $20 for your participation.

Your participation in this survey is voluntary and very important. All of your answers will be kept strictly confidential. All information will be reported for a group as a whole and your responses will not be linked to your name.

IF R REQUESTS MORE INFORMATION ABOUT PURPOSE OF SURVEY:
Today, adults increasingly are expected to use printed information in our society, but there is very little information available on whether or not they are well prepared. This survey will provide information about the reading and writing experiences, activities, and skills of adults in the United States. Information will be used by educators, policymakers, and business leaders to design programs in order to improve the literacy skills of adults.

INITIAL
INTERVIEWER NAME: _____

REASSIGNMENT
INTERVIEWER NAME: _____

Scorer #1	Scorer #2
⓪ ⓪ ⓪	⓪ ⓪ ⓪
① ① ①	① ① ①
② ② ②	② ② ②
③ ③ ③	③ ③ ③
④ ④ ④	④ ④ ④
⑤ ⑤ ⑤	⑤ ⑤ ⑤
⑥ ⑥ ⑥	⑥ ⑥ ⑥
⑦ ⑦ ⑦	⑦ ⑦ ⑦
⑧ ⑧ ⑧	⑧ ⑧ ⑧
⑨ ⑨ ⑨	⑨ ⑨ ⑨

SECTION A
GENERAL AND LANGUAGE BACKGROUND

A-1.   In what country were you born?

USA (50 STATES OR D.C.) .... ① (A-4)
U.S. TERRITORY (SPECIFY): _____ ② (A-2)
OTHER (SPECIFY COUNTRY): _____ ③ (A-2)

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

A-2.   How many years have you lived in the United States?

1 TO 5 .... ①
6 TO 10 .... ②
11 TO 15 .... ③
16 TO 20 .... ④
21 TO 30 .... ⑤
31 TO 40 .... ⑥
41 TO 50 .... ⑦
51 OR MORE .... ⑧

A-3.   What was the highest level of education you completed before coming to the United States?
(IF RESPONSE DOES NOT FIT CATEGORIES, PROBE FOR EQUIVALENT.)

DID NOT ATTEND SCHOOL BEFORE
    COMING TO U.S. .... ①
PRIMARY (GRADES K-3) .... ②
ELEMENTARY (GRADES 4-8) .... ③
SECONDARY (GRADES 9-12) .... ④
VOCATIONAL (POSTSECONDARY) ...... ⑤
COLLEGE/UNIVERSITY .... ⑥
OTHER (SPECIFY): _____ ⑦

A-4.   When you were growing up, what language or languages were usually spoken in your home?
(CODE ALL THAT APPLY.)

ENGLISH .... ①
SPANISH .... ②
OTHER (SPECIFY): _____ ③

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

A-5. What language or languages did you learn to speak before you started school?
(CODE ALL THAT APPLY.)

ENGLISH .... ①
SPANISH .... ②
OTHER (SPECIFY): _____ ③

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

> **BOX 1.** **IF ENGLISH ONLY FOR BOTH A-4 AND A-5, SKIP TO A-17; OTHERWISE, CONTINUE.**

A-6. What language did you first learn to read and write?

ENGLISH .... ①
SPANISH .... ②
OTHER (SPECIFY): _____ ③
NEVER LEARNED TO READ AND WRITE .. ④

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

A-7. How old were you when you learned to speak English?

1-4 YEARS .... ①
5-10 YEARS .... ②
11-15 YEARS .... ③
16-20 YEARS .... ④
21 OR OLDER .... ⑤
DOES NOT SPEAK ENGLISH .... ⑥

> **BOX 2.** **IF ENGLISH ONLY IN A-5, SKIP TO A-17; OTHERWISE, CONTINUE. IF MORE THAN ONE NON-ENGLISH LANGUAGE IN A-5, USE FIRST ONE MENTIONED FOR A-8, A-9, AND A-10.**

A-8. With regard to (NON-ENGLISH LANGUAGE IN A-5), how well do you…

Would you say…

	very well	well	not well	or	not at all
understand it when it is spoken to you?	①	②	③		④
speak it?	①	②	③		④
read it?	①	②	③		④
write it?	①	②	③		④

A-9. HAND CARD: With regard to (NON-ENGLISH LANGUAGE IN A-5), how often do you…

HAND CARD 1

Would you say…

	every day	a few times a week	once a week	less than once a week	or never
A. listen to radio programs, tapes, or records in (LANGUAGE)?	①	②	③	④	⑤
B. watch television programs or video tapes in (LANGUAGE)?	①	②	③	④	⑤
C. read newspapers, magazines, or books in (LANGUAGE)?	①	②	③	④	⑤
D. write or fill out letters or forms in (LANGUAGE)?	①	②	③	④	⑤

A-10. HAND CARD: Looking at the categories on this card, tell me what language you use in each of the following situations.

HAND CARD 2

Would you say…

	always English	more English than (LANGUAGE)	English and (LANGUAGE) equally	more (LANGUAGE) than English or	always (LANGUAGE)	DOES NOT APPLY
A. At home	①	②	③	④	⑤	⑥
B. At work	①	②	③	④	⑤	⑥
C. While shopping in your neighborhood	①	②	③	④	⑤	⑥
D. When visiting relatives or friends	①	②	③	④	⑤	⑥

A-11. Have you ever taken a course to learn how to read and write English as a second language?

YES .... ① (A-12)
NO .... ② (A-13)

A-12. Did you complete this course?

YES .... ①
NO .... ②

A-13. Have you ever taken a course to learn how to speak and understand English as a second language?

YES .... ① (A-14)
NO .... ② (A-15)

A-14. Did you complete this course?

YES .... ①
NO .... ②

A-15. Which language do you usually speak now?

ENGLISH .... ①
SPANISH .... ②
OTHER (SPECIFY): _____ ③

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

A-16. What other language do you often speak now?

ENGLISH .... ①
SPANISH .... ②
OTHER (SPECIFY): _____ ③
NO OTHER LANGUAGE SPOKEN .... ④

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

A-17. With regard to the English language, how well do you…

Would you say…

	very well	well	not well	or	not at all
understand it when it is spoken to you?	①	②	③		④
speak it?	①	②	③		④
read it?	①	②	③		④
write it?	①	②	③		④
do arithmetic problems when you have to get the numbers from written materials?	①	②	③		④

SECTION B
EDUCATIONAL BACKGROUND AND EXPERIENCES

B-1.　HAND CARD: I'd like to ask you about your educational background and experiences.
What is the highest level of public or private education you completed?
(IF R WENT TO SCHOOL OUTSIDE U.S., PROBE FOR EQUIVALENT.)

HAND CARD 3

A. STILL IN HIGH SCHOOL .... `01` (B-4)
B. LESS THAN HIGH SCHOOL (0-8 YEARS) (SPECIFY GRADE): . `02` (B-2)
　　`0`　`1`　`2`　`3`　`4`　`5`　`6`　`7`　`8`
C. SOME HIGH SCHOOL (9-12 YEARS BUT DID NOT
　　COMPLETE 12TH GRADE) (SPECIFY GRADE): .... `03` (B-2)
　　`9`　`10`　`11`
D. GED OR HIGH SCHOOL EQUIVALENCY .... `04` (B-2)
E. HIGH SCHOOL GRADUATE (12 YEARS; ACCELERATED
　　OR EARLY GRADUATE PROGRAM) .... `05`
F. ATTENDED A VOCATIONAL, TRADE, OR BUSINESS
　　SCHOOL AFTER HIGH SCHOOL .... `06`
G. COLLEGE: LESS THAN TWO YEARS .... `07`
H. COLLEGE: ASSOCIATE'S DEGREE (A.A.) .... `08` (B-4)
I. COLLEGE: TWO YEARS OR MORE, NO DEGREE .... `09`
J. COLLEGE GRADUATE (B.S. OR B.A.) .... `10`
K. POSTGRADUATE/NO DEGREE .... `11`
L. POSTGRADUATE/DEGREE (M.S., M.A., PH.D., M.D., ETC.) ...... `12`
M. DON'T KNOW .... `13` (B-5)

B-2.　What was the main reason you stopped your public or private schooling when you did?

FINANCIAL PROBLEMS .... `1`
WENT TO WORK OR INTO THE MILITARY .... `2`
PREGNANCY .... `3`
LOST INTEREST OR BEHAVIOR PROBLEMS IN SCHOOL .... `4`
ACADEMIC PROBLEMS AT SCHOOL .... `5`
FAMILY OR PERSONAL PROBLEMS .... `6`
OTHER .... `7`

BOX 3.　CHECK B-1. IF CODED 04, SKIP TO B-5; OTHERWISE, CONTINUE.

B-3.　Did you ever study for a GED or high school equivalency?

YES .... `1`
NO .... `2`

BOX 4.　CHECK B-1. IF CODED 02, SKIP TO B-5; OTHERWISE, CONTINUE.

B-4. What kind of high school program (are you taking/did you take)? (Is/Was) it…

college preparatory, ...	①
vocational, technical, or trade, ...	②
general, ...	③
or the same for everyone?	④

BOX 5.   CHECK B-1. IF CODED 01, SKIP TO B-6; OTHERWISE, CONTINUE.

B-5. Are you currently enrolled in school or college, either full-time or part-time?

YES	①	(B-6)
NO	②	(B-7)

B-6. Upon completing your current schooling, what diplomas, certificates, degrees, or accreditation do you expect to earn?

HIGH SCHOOL DIPLOMA OR EQUIVALENCY	①
VOCATIONAL, TRADE, OR BUSINESS	②
TWO YEARS OF COLLEGE (ASSOCIATE'S DEGREE)	③
FOUR- OR FIVE-YEAR COLLEGE DEGREE (B.S., B.A.)	④
MASTER'S, PH.D., M.D., OR OTHER ADVANCED DEGREE	⑤
OTHER	⑥
NONE	⑦

B-7. Are you currently enrolled in or have you ever taken part in a program other than in regular school in order to improve your *basic skills*, that is, basic reading, writing, and arithmetic skills?

YES	①	(B-8)
NO	②	(B-10)

ASK B-8 AND B-9 <u>IN SEQUENCE</u> FOR EACH PROGRAM CODED "YES" IN B-8.

B-9. IF YES:

How recently did you take part in this training?

B-8. (Is/Was) this program…

	YES	NO	DON'T KNOW		
a training program or courses given or sponsored by your employer or union?	①	②	③	STILL ENROLLED .... ① WITHIN THE PAST YEAR .... ② BETWEEN ONE & FIVE YEARS ... ③ MORE THAN FIVE YEARS AGO ... ④	
a publicly sponsored education and training program, such as JTPA or ABE?	①	②	③	STILL ENROLLED .... ① WITHIN THE PAST YEAR .... ② BETWEEN ONE & FIVE YEARS ... ③ MORE THAN FIVE YEARS AGO ... ④	
a tutoring program sponsored by a library, church, or community organization?	①	②	③	STILL ENROLLED .... ① WITHIN THE PAST YEAR .... ② BETWEEN ONE & FIVE YEARS ... ③ MORE THAN FIVE YEARS AGO ... ④	
any other program (such as one offered by the military, prisons, or other institutions)?	①	②	③	STILL ENROLLED .... ① WITHIN THE PAST YEAR .... ② BETWEEN ONE & FIVE YEARS ... ③ MORE THAN FIVE YEARS AGO ... ④	

B-10.　HAND CARD: Where did you primarily learn to…

Would you say…

	mostly in school	mostly at home or in the community	mostly at work	or	did not learn	OTHER
A. read newspapers, magazines, or books?	①	②	③		④	⑤
B. read graphs, diagrams, or maps?	①	②	③		④	⑤
C. fill out forms?	①	②	③		④	⑤
D. write letters, notes, memos, or reports?	①	②	③		④	⑤

B-11.　Do you have any health problem, impairment, or disability now that keeps you from participating fully in work, school, housework, or other activities?

　　　YES .... ① (B-12)
　　　NO .... ② (C-1)

B-12.　Do you have any difficulty seeing the words and letters in ordinary newspaper print even when wearing glasses or contact lenses, if you usually wear them?

　　　YES .... ①
　　　NO .... ②

B-13.　Do you have any difficulty hearing what is said in a normal conversation with another person even when using a hearing aid, if you usually wear one?

　　　YES .... ①
　　　NO .... ②

B-14.　Do you currently have any of these conditions? (READ LIST AND CODE YES OR NO FOR EACH CONDITION.)

	YES	NO
A learning disability	①	②
An emotional disorder	①	②
Mental retardation	①	②
A speech disability	①	②
A physical disability	①	②
A long-term illness (6 months or more)	①	②
Other health impairment	①	②

SECTION C
POLITICAL AND SOCIAL PARTICIPATION

C-1.   I'd like to find out how you usually get information about current events, public affairs, and the government. HAND CARD: How much information do you get from… (REPEAT QUESTION AS NECESSARY.)

HAND CARD 5

Would you say…

	a lot	some	a little	or	none
A. newspapers?	①	②	③		④
B. magazines?	①	②	③		④
C. radio?	①	②	③		④
D. television?	①	②	③		④
E. family members, friends, or co-workers?	①	②	③		④

C-2.   How many hours do you usually watch television each day?

NONE .... ①
1 HOUR OR LESS .... ②
2 HOURS .... ③
3 HOURS .... ④
4 HOURS .... ⑤
5 HOURS .... ⑥
6 OR MORE HOURS .... ⑦

C-3.   How often do you use the services of a library, for any reason? Would you say daily, weekly, monthly, once or twice a year, or never?

DAILY .... ①
WEEKLY .... ②
MONTHLY .... ③
ONCE OR TWICE A YEAR .... ④
NEVER .... ⑤

C-4.   Have you voted in a national or state election in the United States within the past five years?

YES .... ①
NO .... ②
NOT ELIGIBLE TO VOTE .... ③

SECTION D
LABOR FORCE PARTICIPATION

D-1.   Now I'd like to ask you some questions about what you were doing last week.
        HAND CARD: Last week were you… (CODE ALL THAT APPLY AND FOLLOW
        SKIP INSTRUCTION FOR LOWEST OPTION CODED.)

HAND CARD 6

A. working a full-time job for pay or profit, that is, 35 hours or more? .... ⑪ (D-3)
B. working for pay or profit part-time, that is, 1 to 34 hours? .... ⑫ (D-2)
C. working two or more part-time jobs for pay, totaling 35 or more hours? ...... ⑬ (D-2)
D. unemployed, laid off, or looking for work? .... ⑭ (D-2)
E. with a job but not at work because of temporary illness, vacation,
        or work stoppage? .... ⑮ (D-3)
F. with a job but on family leave (maternity or paternity leave)? .... ⑯ (D-3)
G. in school? .... ⑰ (D-5)
H. keeping house? .... ⑱ (D-5)
I. retired? .... ⑲ (D-5)
J. doing volunteer work? .... ⑩ (D-5)
K. OTHER (SPECIFY): _____ ⑪ (D-5)

D-2.   Have you looked for a job at any time during the past four weeks?

        YES .... ①
        NO .... ②

        ┌───┐
        │ **BOX 6.   CHECK D-1. IF CODED 04, SKIP TO D-5; OTHERWISE, CONTINUE.** │
        └───┘

D-3.   Last week, what was your total weekly wage or salary from all jobs *before* any deductions?
        Include tips and commissions. (WRITE IN DOLLAR AMOUNT AND CHECK
        APPROPRIATE CODE.)

        $_____ . _____

        PER HOUR .... ① (D-4)
        PER DAY .... ② (D-4)
        PER WEEK .... ③ (D-5)
        PER TWO-WEEK PERIOD .... ④ (D-5)
        PER MONTH .... ⑤ (D-5)
        PER YEAR .... ⑥ (D-5)
        OTHER (SPECIFY):_____ ⑦ (D-5)

        ⓪ ⓪ ⓪ ⓪ ⓪
        ① ① ① ① ①
        ② ② ② ② ②
        ③ ③ ③ ③ ③
        ④ ④ ④ ④ ④
        ⑤ ⑤ ⑤ ⑤ ⑤
        ⑥ ⑥ ⑥ ⑥ ⑥
        ⑦ ⑦ ⑦ ⑦ ⑦
        ⑧ ⑧ ⑧ ⑧ ⑧
        ⑨ ⑨ ⑨ ⑨ ⑨

D-4.   How many (hours/days) did you work last week?

        SPECIFY: _____

D-5. Now I'd like to ask you some questions about your work during the past 12 months. Including weeks of paid leave, such as vacation and sick leave, how many weeks did you work for pay or profit during the past 12 months?

NONE (0) .... ① (D-6)

LESS THAN 52 WEEKS (SPECIFY NUMBER

    OF WEEKS): _____ .... ② (D-6)

52 WEEKS (FOR THE LAST 12 MONTHS) ...... ③ (D-7)

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

D-6. Of the weeks you were not employed, what were you doing? Were you…
(CODE ALL THAT APPLY.)

looking for work, ... ①

in school or training, ... ②

keeping house, ... ③

retired, ... ④

volunteering, ... ⑤

or doing something else? (SPECIFY):_____

_____ ⑥

BOX 7. CHECK D-5. IF CODED 1, GO TO D-9; OTHERWISE, CONTINUE.

D-7. For the past 12 months, what was your average weekly wage or salary *before* any deductions? Include tips and commissions. (WRITE IN DOLLAR AMOUNT AND CHECK APPROPRIATE CODE.)

$_____ . _____

PER HOUR .... ① (D-8)

PER DAY .... ② (D-8)

PER WEEK .... ③ (D-10)

PER TWO-WEEK PERIOD .... ④ (D-10)

PER MONTH .... ⑤ (D-10)

PER YEAR .... ⑥ (D-10)

OTHER (SPECIFY):_____ ⑦ (D-10)

⓪ ⓪ ⓪ ⓪ ⓪
① ① ① ① ①
② ② ② ② ②
③ ③ ③ ③ ③
④ ④ ④ ④ ④
⑤ ⑤ ⑤ ⑤ ⑤
⑥ ⑥ ⑥ ⑥ ⑥
⑦ ⑦ ⑦ ⑦ ⑦
⑧ ⑧ ⑧ ⑧ ⑧
⑨ ⑨ ⑨ ⑨ ⑨

D-8. On average, how many (hours/days) did you work during the past 12 months?

SPECIFY: _____ (D-10)

D-9. Which of the following describes your work history? Have you…

held a paying job within the last three years? ...... ① (D-10)

held a paying job, but not within the last

    three years? .... ② (E-1)

never been employed for pay full-time or

    part-time? .... ③

D-10. Now I'd like to ask you some questions about your current full-time or part-time job or your most recent full-time or part-time job. For what kind of business or industry (do/did) you work? (For example, television and radio manufacturing, retail shoe store, state labor department, farm, etc.) (IF R IS WORKING TWO OR MORE JOBS, PROBE: Tell me about the job you work the most hours or the job you consider your primary employment.)

BUSINESS OR INDUSTRY: _____

_____

_____

_____

⓪	①	②	③	④	⑤	⑥	⑦	⑧	⑨
⓪	①	②	③	④	⑤	⑥	⑦	⑧	⑨
⓪	①	②	③	④	⑤	⑥	⑦	⑧	⑨

D-11. What (is/was) your occupation, that is, what (is/was) your job called? (For example, electrical engineer, stock clerk, typist, farmer, etc.)

WORK: _____

_____

_____

_____

⓪	①	②	③	④	⑤	⑥	⑦	⑧	⑨
⓪	①	②	③	④	⑤	⑥	⑦	⑧	⑨
⓪	①	②	③	④	⑤	⑥	⑦	⑧	⑨

D-12. What (are/were) the most important activities or duties at this job? (For example, typing, keeping account books, filing, selling cars, operating a printing press, finishing concrete, etc.)

ACTIVITIES OR DUTIES: _____

_____

_____

_____

_____

_____

SECTION E
LITERARY ACTIVITIES AND COLLABORATION

E-1.   Now I'd like to talk to you about what you read in English. First, let's talk about newspapers. How often do you read a newspaper — every day, a few times a week, once a week, less than once a week, or never?

EVERY DAY	①	(E-2)
A FEW TIMES A WEEK	②	(E-2)
ONCE A WEEK	③	(E-2)
LESS THAN ONCE A WEEK	④	(E-2)
NEVER	⑤	(E-3)

E-2.   Now I will read a list of the different parts of newspapers. Would you please tell me which parts you generally read when looking at a newspaper? Do you read… (CODE ALL THAT APPLY.)

news?	⓪①
sports?	⓪②
home, fashion, or health?	⓪③
editorial pages?	⓪④
financial news or stock listings?	⓪⑤
comics?	⓪⑥
classified ads or other advertisements?	⓪⑦
TV, movie, or concert listings?	⓪⑧
book, movie, or art reviews?	⓪⑨
horoscope or advice columns?	⑩
something else? (SPECIFY): _____	⑪
NONE	⑫

E-3.   Next, let's talk about magazines. About how many different magazines do you look at or read in English on a regular basis?

0	①
1	②
2	③
3 TO 5	④
6 OR MORE	⑤

E-4.   Next, I'd like to ask you about books you may have read in English recently. I will read a list of different types of books. Would you please tell me which of these types of books you've read in English in the past six months, if any? Have you read… (CODE ALL THAT APPLY.) (INCLUDE COURSE BOOKS.)

fiction?	①
recreation or entertainment?	②
current affairs or history?	③
inspiration or religion?	④
science or social science?	⑤
reference, such as encyclopedias or dictionaries?	⑥
manuals for cooking, operating, repairing, or building?	⑦
any other types of books? (SPECIFY): _____	⑧
NONE	⑨

I would like to ask you about other kinds of things you may have read in English, first for your own use and then for work, if appropriate. Please consider printed or written materials, as well as information displayed on computer screens.

E-5.   HAND CARD: How often do you read or use information from (ITEM) for your own use? Would you say every day, a few times a week, once a week, less than once a week, or never?

HAND CARD 1

	EVERY DAY	A FEW TIMES A WEEK	ONCE A WEEK	LESS THAN ONCE A WEEK	NEVER
A. Letters or memos	①	②	③	④	⑤
B. Reports, articles, magazines, or journals	①	②	③	④	⑤
C. Manuals or reference books, including catalogs or parts lists	①	②	③	④	⑤
D. Directions or instructions for medicines, recipes, or other products	①	②	③	④	⑤
E. Diagrams or schematics	①	②	③	④	⑤
F. Bills, invoices, spread-sheets, or budget tables	①	②	③	④	⑤

BOX 8.   CHECK D-9 ON PAGE 13.

D-9 IS BLANK OR CODED 1. .... ① **(E-6)**
D-9 IS CODED 2 OR 3. .... ② **(E-7)**

E-6.   HAND CARD: How often (do/did) you read or use information from (ITEM) as part of your (current/most recent) job? Would you say every day, a few times a week, once a week, less than once a week, or never?

HAND CARD 1

	EVERY DAY	A FEW TIMES A WEEK	ONCE A WEEK	LESS THAN ONCE A WEEK	NEVER
A. Letters or memos	①	②	③	④	⑤
B. Reports, articles, magazines, or journals	①	②	③	④	⑤
C. Manuals or reference books, including catalogs or parts lists	①	②	③	④	⑤
D. Directions or instructions for medicines, recipes, or other products	①	②	③	④	⑤
E. Diagrams or schematics	①	②	③	④	⑤
F. Bills, invoices, spread-sheets, or budget tables	①	②	③	④	⑤

Now I would like to find out about things that you write or fill out in English, first for your own use and then for work, if appropriate. Please consider writing or typing on paper, as well as entering information into computers.

E-7.   HAND CARD: How often do you write or fill out (ITEM) for your own use? Would you say every day, a few times a week, once a week, less than once a week, or never?

HAND CARD 1

	EVERY DAY	A FEW TIMES A WEEK	ONCE A WEEK	LESS THAN ONCE A WEEK	NEVER
A. Letters or memos	①	②	③	④	⑤
B. Forms or things such as bills, invoices, or budgets	①	②	③	④	⑤
C. Reports or articles	①	②	③	④	⑤

BOX 9.   CHECK BOX 8 ON PREVIOUS PAGE. IF CODED 2, SKIP TO E-9; IF CODED 1, CONTINUE WITH E-8.

E-8.   HAND CARD: How often (do/did) you write or fill out (ITEM) as part of your (current/most recent) job? Would you say every day, a few times a week, once a week, less than once a week, or never?

HAND CARD 1

	EVERY DAY	A FEW TIMES A WEEK	ONCE A WEEK	LESS THAN ONCE A WEEK	NEVER
A. Letters or memos	①	②	③	④	⑤
B. Forms or things such as bills, invoices, or budgets	①	②	③	④	⑤
C. Reports or articles	①	②	③	④	⑤

E-9.   How often do you use arithmetic or mathematics for your own use, that is, add, subtract, multiply, divide, or measure? Would say every day, a few times a week, once a week, less than once a week, or never?

EVERY DAY .... ①
A FEW TIMES A WEEK .... ②
ONCE A WEEK .... ③
LESS THAN ONCE A WEEK .... ④
NEVER .... ⑤

E-10.   How often (do/did) you use arithmetic or mathematics as part of your (current/most recent)
job? Would say every day, a few times a week, once a week, less than once a week, or
never?

EVERY DAY .... ① 1
A FEW TIMES A WEEK .... ② 2
ONCE A WEEK .... ③ 3
LESS THAN ONCE A WEEK .... ④ 4
NEVER .... ⑤ 5

E-11.   HAND CARD: How much help do you get from family members or friends with…

HAND CARD 5

Would you say…

	a lot	some	a little	or	none
A. filling out forms?	①	②	③		④
B. reading or explaining newspaper articles or other written information?	①	②	③		④
C. printed information associated with government agencies, public companies, private businesses, hospitals, etc.?	①	②	③		④
D. writing notes and letters?	①	②	③		④
E. using basic arithmetic, that is, adding, subtracting, multiplying, or dividing, such as in filling out order forms or balancing a checkbook?	①	②	③		④

SECTION F
DEMOGRAPHIC INFORMATION

F-1. What was the highest level of education your mother (stepmother or female guardian) completed?
(IF WENT TO SCHOOL OUTSIDE U.S., PROBE FOR EQUIVALENT.)

LESS THAN HIGH SCHOOL (0-8 YEARS) (SPECIFY GRADE): .... ⓪①
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧
SOME HIGH SCHOOL (9-12 YEARS BUT DID NOT
COMPLETE 12TH GRADE) (SPECIFY GRADE): .... ⓪②
⑨ ⑩ ⑪
GED OR HIGH SCHOOL EQUIVALENCY .... ⓪③
HIGH SCHOOL GRADUATE (12 YEARS; ACCELERATED
OR EARLY GRADUATE PROGRAM) .... ⓪④
ATTENDED A VOCATIONAL, TRADE, OR BUSINESS
SCHOOL AFTER HIGH SCHOOL .... ⓪⑤
COLLEGE: LESS THAN TWO YEARS .... ⓪⑥
COLLEGE: ASSOCIATE'S DEGREE (A.A.) .... ⓪⑦
COLLEGE: TWO YEARS OR MORE, NO DEGREE .... ⓪⑧
COLLEGE GRADUATE (B.S. OR B.A.) .... ⓪⑨
POSTGRADUATE/NO DEGREE .... ⑩
POSTGRADUATE/DEGREE (M.S., M.A., PH.D., M.D., ETC.) .... ⑪
DON'T KNOW .... ⑫

F-2. What was the highest level of education your father (stepfather or male guardian) completed?
(IF WENT TO SCHOOL OUTSIDE U.S., PROBE FOR EQUIVALENT.)

LESS THAN HIGH SCHOOL (0-8 YEARS) (SPECIFY GRADE): .... ⓪①
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧
SOME HIGH SCHOOL (9-12 YEARS BUT DID NOT
COMPLETE 12TH GRADE) (SPECIFY GRADE): .... ⓪②
⑨ ⑩ ⑪
GED OR HIGH SCHOOL EQUIVALENCY .... ⓪③
HIGH SCHOOL GRADUATE (12 YEARS; ACCELERATED
OR EARLY GRADUATE PROGRAM) .... ⓪④
ATTENDED A VOCATIONAL, TRADE, OR BUSINESS
SCHOOL AFTER HIGH SCHOOL .... ⓪⑤
COLLEGE: LESS THAN TWO YEARS .... ⓪⑥
COLLEGE: ASSOCIATE'S DEGREE (A.A.) .... ⓪⑦
COLLEGE: TWO YEARS OR MORE, NO DEGREE .... ⓪⑧
COLLEGE GRADUATE (B.S. OR B.A.) .... ⓪⑨
POSTGRADUATE/NO DEGREE .... ⑩
POSTGRADUATE/DEGREE (M.S., M.A., PH.D., M.D., ETC.) .... ⑪
DON'T KNOW .... ⑫

I would now like to ask you some questions about your household.

F-3.   HAND CARD: First, which letter on this card describes your current marital status?

<table>
<tr><td>

HAND CARD

7

</td><td>

A. NEVER MARRIED .... ①
B. MARRIED, LIVING WITH SPOUSE .... ②
C. MARRIED, SPOUSE LIVING ELSEWHERE .... ③
D. LIVING AS MARRIED .... ④
E. SEPARATED OR DIVORCED .... ⑤
F. WIDOWED .... ⑥

</td></tr>
</table>

F-4.   Including yourself, how many people in your household are employed or work for pay or wages part-time (1 to 34 hours)?

NONE .... ①
ONE .... ②
TWO .... ③
THREE OR MORE .... ④

F-5.   Including yourself, how many people in your household are employed or work for pay or wages full-time (35 hours or more)?

NONE .... ①
ONE .... ②
TWO .... ③
THREE OR MORE .... ④

F-6.   HAND CARD: Did you or anyone in your household receive any of the following during the past 12 months? (CODE ALL THAT APPLY.)

<table>
<tr><td>

HAND CARD

8

</td><td>

A. Social Security or Railroad Retirement payments .... ①
B. Supplemental Security Income (SSI) .... ②
C. Other retirement, survivor, or disability payments
    (other than Social Security or Railroad Retirement) .... ③
D. Aid to Families with Dependent Children (AFDC),
    public assistance, or public welfare payments from
    the state or local welfare office .... ④
E. Food stamps .... ⑤
F. Interest from savings or other bank accounts
    (other than dividends) .... ⑥
G. Dividend income from stocks or mutual funds or
    income from rental property, royalty, estates, or trusts .... ⑦
H. Income from any other sources, such as Veterans
    Administration payments, workers or unemployment
    compensation, child support, or alimony .... ⑧
I. NONE .... ⑨

</td></tr>
</table>

F-7.   HAND CARD: Which letter on this card corresponds to your approximate <u>personal</u> income from all sources for the past 12 months?

<table>
<tr><td>HAND
CARD
9</td><td>
A.   UNDER $5,000 01
B. $ 5,000 - $ 9,999 02
C. $10,000 - $14,999 03
D. $15,000 - $19,999 04
E. $20,000 - $29,999 05
F. $30,000 - $39,999 06
G. $40,000 - $49,999 07
H. $50,000 - $74,999 08
I. $75,000 - $99,999 09
J. $100,000 AND OVER 10
K.   REFUSED 11
L.   DON'T KNOW 12
M. NO PERSONAL INCOME 13
</td></tr>
</table>

F-8.   HAND CARD: Which letter on this card corresponds to your approximate <u>total household</u> income from all sources for the past 12 months? (IF UNDERGRADUATE COLLEGE STUDENT LIVING AWAY FROM "HOME": Please provide household income for your permanent residence.)

<table>
<tr><td>HAND
CARD
9</td><td>
A.   UNDER $5,000 01
B. $ 5,000 - $ 9,999 02
C. $10,000 - $14,999 03
D. $15,000 - $19,999 04
E. $20,000 - $29,999 05
F. $30,000 - $39,999 06
G. $40,000 - $49,999 07
H. $50,000 - $74,999 08
I. $75,000 - $99,999 09
J. $100,000 AND OVER 10
K.   REFUSED 11
L.   DON'T KNOW 12
</td></tr>
</table>

F-9   HAND CARD: Which of the groups on this card best describes you? (IF RESPONDENT REFUSES TO ANSWER, PLEASE RECORD THE RESPONDENT'S RACE FROM OBSERVATION.)

<table>
<tr><td>HAND
CARD
10</td><td>
A.   WHITE 1
B.   BLACK, AFRICAN AMERICAN 2
C.   AMERICAN INDIAN 3
D.   ALASKAN NATIVE 4
E.   PACIFIC ISLANDER 5
F.   ASIAN (SPECIFY): _____ 6
G.   OTHER (SPECIFY): _____ 7
</td></tr>
</table>

F-10.   Are you of Spanish or Hispanic origin or descent?

YES .... ① (F-11)
NO .... ② (F-12)

F-11.   HAND CARD: Which of the groups on this card best describes your Hispanic origin?

A. MEXICANO, MEXICAN, MEXICAN AMERICAN,
      CHICANO .... ①
B. PUERTO RICAN .... ②
C. CUBAN .... ③
D. CENTRAL/SOUTH AMERICAN .... ④
E. OTHER SPANISH/HISPANIC (SPECIFY): _____ ⑤

F-12.   What is your date of birth?

_____
MONTH / DAY / YEAR

Date of Birth					
⓪	⓪	⓪	⓪	⓪	⓪
①	①	①	①	①	①
		②	②	②	②
③	③	③	③	③	③
		④	④	④	④
		⑤	⑤	⑤	⑤
		⑥	⑥	⑥	⑥
		⑦	⑦	⑦	⑦
		⑧	⑧	⑧	⑧
		⑨	⑨	⑨	⑨

INTERVIEWER PLEASE NOTE:

F-13.   SEX

MALE .... ①
FEMALE .... ②

END
TIME: _____ A.M. _____ P.M.

BOX 11. IS THIS INTERVIEW BEING CONDUCTED IN:

CALIFORNIA	**LOUISIANA**	**PENNSYLVANIA**
ILLINOIS	**NEW JERSEY**	**TEXAS**
INDIANA	**NEW YORK**	**WASHINGTON**
IOWA	**OHIO**	

YES .... ① **(GO TO TABLE OF CONTENTS ON NEXT PAGE.)**
NO .... ② **(CONTINUE WITH EXERCISE.)**

CALIFORNIA

CA-1. How many years have you lived in California?

LESS THAN ONE YEAR .... ① ①
1 TO 5 YEARS .... ② ②
6 TO 10 YEARS .... ③ ③
11 TO 15 YEARS .... ④ ④
16 TO 20 YEARS .... ⑤ ⑤
MORE THAN 20 YEARS .... ⑥ ⑥

CA-2. How likely is it that you will move out of California in the next five years? Would you say…

not likely, ... ① ①
somewhat likely, or .... ② ②
very likely? .... ③ ③

CA-3. Which of the following statements apply to you? (CODE ALL THAT APPLY.)

I grew up in a home where there were a variety of books, newspapers,
    magazines, and other printed materials. .... ① ①
I was read to as a young child by my parent(s) or guardian(s). .... ② ②
I was helped with schoolwork by my parent(s) or guardian(s). .... ③ ③
NONE OF THE ABOVE .... ④ ④

CA-4. Do you feel that an employer has an obligation to provide literacy education to its employees who need assistance?

YES .... ① ①
NO .... ② ②
NO OPINION .... ③ ③

CA-5. If you have any children under six years of age living with you now, how often do you read to or with them?

EVERY DAY .... ① ①
A FEW TIMES A WEEK .... ② ②
ABOUT ONCE A WEEK .... ③ ③
ABOUT ONCE OR TWICE A MONTH .... ④ ④
ALMOST NEVER .... ⑤ ⑤
RESPONDENT HAS NO CHILDREN UNDER SIX YEARS OF
   AGE IN THE HOUSEHOLD. .... ⑥ ⑥

ILLINOIS

IL-1.   Which of the following levels of schooling did you attend in Illinois? (CODE ALL THAT APPLY.)

Kindergarten through 3rd grade .... ① 1
Grades 4 through 8 .... ② 2
Grades 9 through 12 .... ③ 3
Vocational school or community college (One- or two-year program) .... ④ 4
Four-year college or university .... ⑤ 5
Did not attend school in Illinois .... ⑥ 6

IL-2.   HAND CARD: Where would the best location be for you to take a course or a training program?

HAND CARD 12

A LOCAL PUBLIC SCHOOL OUTSIDE OF SCHOOL HOURS, ... ① 1
A LOCAL COMMUNITY COLLEGE, ... ② 2
A UNIVERSITY, ... ③ 3
A LIBRARY, CHURCH, COMMUNITY CENTER, OR ADULT
    EDUCATION CENTER, ... ④ 4
YOUR WORKPLACE, OR .... ⑤ 5
SOME OTHER LOCATION? .... ⑥ 6
NOT INTERESTED IN TAKING A COURSE .... ⑦ 7

IL-3.   For which of the following reasons would you enroll in a course or a training program?
        (CODE ALL THAT APPLY.)

To qualify for a better job .... ① 1
To participate in leisure activities or for personal improvement .... ② 2
To complete a diploma or degree, or to qualify for a license .... ③ 3
To improve job-related skills .... ④ 4
To improve parenting/child-care skills .... ⑤ 5
NONE OF THE ABOVE .... ⑥ 6

IL-4.   HAND CARD: Which one of the following reasons would most likely keep you from enrolling in
        a course or a training program?

HAND CARD 13

LACK OF TIME OR INTEREST, ... ① 1
COURSE OR TRAINING PROGRAM NOT OFFERED AT
    CONVENIENT TIMES, ... ② 2
INABILITY TO PAY FOR COURSE OR TRAINING, ... ③ 3
LACK OF CHILD CARE, ... ④ 4
LACK OF TRANSPORTATION, OR .... ⑤ 5
LACK OF INFORMATION ABOUT AVAILABLE COURSES OR
    TRAINING PROGRAMS? .... ⑥ 6
NONE OF THE ABOVE .... ⑦ 7

IL-5.   If you are currently employed, in which of the following areas do you feel you need additional
        training to become a more productive worker in your present job? (CODE ALL THAT APPLY.)

Reading .... ① 1
Arithmetic .... ② 2
Computers .... ③ 3
Problem solving .... ④ 4
Listening .... ⑤ 5
Working in teams .... ⑥ 6
None of the above .... ⑦ 7
NOT CURRENTLY EMPLOYED .... ⑧ 8

INDIANA

IN-1.　How many years have you lived in Indiana?

LESS THAN ONE YEAR .... ①
1 TO 5 YEARS .... ②
6 TO 10 YEARS .... ③
11 TO 15 YEARS .... ④
16 TO 20 YEARS .... ⑤
MORE THAN 20 YEARS .... ⑥

IN-2.　Which of the following levels of schooling did you attend in Indiana? (CODE ALL THAT APPLY.)

Kindergarten through 3rd grade .... ①
Grades 4 through 8 .... ②
Grades 9 through 12 .... ③
Vocational school or community college
　(One- or two-year program) .... ④
Four-year college or university .... ⑤
Did not attend school in Indiana .... ⑥

IN-3.　Which of the following statements apply to you? (CODE ALL THAT APPLY.)

I grew up in a home where there were a variety of books, newspapers,
　magazines, and other printed materials. .... ①
I was read to as a young child by my parent(s) or guardian(s). .... ②
I was helped with schoolwork by my parent(s) or guardian(s). .... ③
NONE OF THE ABOVE .... ④

IN-4.　If you have any children under six years of age living with you now, how often do you read to or with them?

EVERY DAY .... ①
A FEW TIMES A WEEK .... ②
ABOUT ONCE A WEEK .... ③
ABOUT ONCE OR TWICE A MONTH .... ④
ALMOST NEVER .... ⑤
RESPONDENT HAS NO CHILDREN UNDER SIX YEARS OF
　AGE IN THE HOUSEHOLD. .... ⑥

IN-5.　HAND CARD: Which one of the following reasons would most likely keep you from enrolling in a course or a training program?

HAND CARD 13

LACK OF TIME OR INTEREST, ... ①
COURSE OR TRAINING PROGRAM NOT OFFERED AT
　CONVENIENT TIMES, ... ②
INABILITY TO PAY FOR COURSE OR TRAINING, ... ③
LACK OF CHILD CARE, ... ④
LACK OF TRANSPORTATION, OR .... ⑤
LACK OF INFORMATION ABOUT AVAILABLE COURSES OR
　TRAINING PROGRAMS? .... ⑥
NONE OF THE ABOVE .... ⑦

IOWA

IA-1. How many years have you lived in Iowa?

LESS THAN ONE YEAR .... ① 1
1 TO 5 YEARS .... ② 2
6 TO 10 YEARS .... ③ 3
11 TO 15 YEARS .... ④ 4
16 TO 20 YEARS .... ⑤ 5
MORE THAN 20 YEARS .... ⑥ 6

IA-2. HAND CARD: Which one of the following would be the most important reason for you not to take part in a basic skills program?

> **HAND CARD 14**

I DON'T THINK I NEED TO IMPROVE MY BASIC SKILLS. .... ① 1
I AM TOO OLD TO GO BACK TO SCHOOL. .... ② 2
I THINK SCHOOL IS TOO HARD. .... ③ 3
I DON'T HAVE THE TIME. .... ④ 4
I DON'T LIKE SCHOOL. .... ⑤ 5
I HAVE TOO MANY CONFLICTS. .... ⑥ 6
IT WOULD TAKE TOO LONG TO FINISH A BASIC SKILLS PROGRAM. .... ⑦ 7
I DON'T HAVE ANY INFORMATION AVAILABLE ABOUT BASIC
    SKILLS PROGRAMS. .... ⑧ 8

IA-3. How likely is it that you will move out of Iowa in the next five years? Would you say…

not likely, ... ① 1
somewhat likely, or .... ② 2
very likely? .... ③ 3

IA-4. Do you feel that a state's literacy rate affects an out-of-state employer's decision to establish a new location there?

YES .... ① 1
NO .... ② 2
NO OPINION .... ③ 3

IA-5. Do you feel that an employer has an obligation to provide literacy education to its employees who need assistance?

YES .... ① 1
NO .... ② 2
NO OPINION .... ③ 3

LOUISIANA

LA-1.   For which of the following reasons would you enroll in a course or a training program? (CODE ALL THAT APPLY.)

To qualify for a better job .... ①
To participate in leisure activities or for personal improvement .... ②
To complete a diploma or degree, or to qualify for a license .... ③
To improve job-related skills .... ④
To improve parenting/child-care skills .... ⑤
NONE OF THE ABOVE .... ⑥

LA-2.   HAND CARD: Which one of the following reasons would most likely keep you from enrolling in a course or a training program?

HAND CARD 13

LACK OF TIME OR INTEREST, ... ①
COURSE OR TRAINING PROGRAM NOT OFFERED AT
     CONVENIENT TIMES, ... ②
INABILITY TO PAY FOR COURSE OR TRAINING, ... ③
LACK OF CHILD CARE, ... ④
LACK OF TRANSPORTATION, OR .... ⑤
LACK OF INFORMATION ABOUT AVAILABLE COURSES OR
     TRAINING PROGRAMS? .... ⑥
NONE OF THE ABOVE .... ⑦

LA-3.   If you are currently employed, in which of the following areas do you feel you need additional training to become a more productive worker in your present job? (CODE ALL THAT APPLY.)

Reading .... ①
Arithmetic .... ②
Computers .... ③
Problem solving .... ④
Listening .... ⑤
Working in teams .... ⑥
None of the above .... ⑦
NOT CURRENTLY EMPLOYED .... ⑧

LA-4.   Have you ever been passed over for a job or a promotion for any of the following reasons? (CODE ALL THAT APPLY.)

Not having a high school diploma .... ①
Not speaking English well enough .... ②
Not reading well enough .... ③
Not writing well enough .... ④
Not being able to do arithmetic well enough .... ⑤
NEVER EMPLOYED .... ⑥
NONE OF THE ABOVE .... ⑦

LA-5.   If you do not have a high school diploma or GED (general equivalency diploma), would you be willing to work toward obtaining a GED if your employer allowed you to attend classes during work hours?

YES .... ①
NO .... ②
NOT APPLICABLE .... ③

NEW JERSEY

NJ-1.   If you are currently employed, in which of the following areas do you feel you need additional training to become a more productive worker in your present job? (CODE ALL THAT APPLY.)

Reading	①
Arithmetic	②
Computers	③
Problem solving	④
Listening	⑤
Working in teams	⑥
None of the above	⑦
NOT CURRENTLY EMPLOYED	⑧

NJ-2.   Have you ever been passed over for a job or a promotion for any of the following reasons? (CODE ALL THAT APPLY.)

Not having a high school diploma	①
Not speaking English well enough	②
Not reading well enough	③
Not writing well enough	④
Not being able to do arithmetic well enough	⑤
NEVER EMPLOYED	⑥
NONE OF THE ABOVE	⑦

NJ-3.   HAND CARD: Which one of the following reasons would most likely keep you from enrolling in a course or a training program?

HAND CARD 13

LACK OF TIME OR INTEREST, ...	①
COURSE OR TRAINING PROGRAM NOT OFFERED AT CONVENIENT TIMES, ...	②
INABILITY TO PAY FOR COURSE OR TRAINING, ...	③
LACK OF CHILD CARE, ...	④
LACK OF TRANSPORTATION, OR	⑤
LACK OF INFORMATION ABOUT AVAILABLE COURSES OR TRAINING PROGRAMS?	⑥
NONE OF THE ABOVE	⑦

NJ-4.   HAND CARD: Where would the best location be for you to take a course or a training program?

HAND CARD 12

A LOCAL PUBLIC SCHOOL OUTSIDE OF SCHOOL HOURS, ...	①
A LOCAL COMMUNITY COLLEGE, ...	②
A UNIVERSITY, ...	③
A LIBRARY, CHURCH, COMMUNITY CENTER, OR ADULT EDUCATION CENTER, ...	④
YOUR WORKPLACE, OR	⑤
SOME OTHER LOCATION?	⑥
NOT INTERESTED IN TAKING A COURSE	⑦

NJ-5.   What type of adult education program would best suit your needs?

A program leading to a credential, certificate, or license	①
A program that teaches parenting skills	②
A program that teaches work skills at the work site	③
A program for self-enrichment	④
A program that combines both basic skills and job training	⑤
NONE OF THE ABOVE	⑥

NEW YORK

NY-1. How many years have you lived in New York?

LESS THAN ONE YEAR .... ①
1 TO 5 YEARS .... ②
6 TO 10 YEARS .... ③
11 TO 15 YEARS .... ④
16 TO 20 YEARS .... ⑤
MORE THAN 20 YEARS .... ⑥

NY-2. Which of the following statements apply to you? (CODE ALL THAT APPLY.)

I grew up in a home where there were a variety of books, newspapers,
    magazines, and other printed materials. .... ①
I was read to as a young child by my parent(s) or guardian(s). .... ②
I was helped with schoolwork by my parent(s) or guardian(s). .... ③
NONE OF THE ABOVE .... ④

NY-3. What type of adult education program would best suit your needs?

A program leading to a credential, certificate, or license .... ①
A program that teaches parenting skills .... ②
A program that teaches work skills at the work site .... ③
A program for self-enrichment .... ④
A program that combines both basic skills and job training .... ⑤
NONE OF THE ABOVE .... ⑥

NY-4. Has lack of adequate child care ever prevented you from taking an adult literacy or
job training program?

YES .... ①
NO .... ②
NO OPINION .... ③

NY-5. Has lack of convenient transportation ever prevented you from taking an adult
literacy or job training program?

YES .... ①
NO .... ②
NO OPINION .... ③

OHIO

OH-1. How many years have you lived in Ohio?

LESS THAN ONE YEAR	①
1 TO 5 YEARS	②
6 TO 10 YEARS	③
11 TO 15 YEARS	④
16 TO 20 YEARS	⑤
MORE THAN 20 YEARS	⑥

OH-2. Which of the following levels of schooling did you attend in Ohio? (CODE ALL THAT APPLY.)

Kindergarten through 3rd grade	①
Grades 4 through 8	②
Grades 9 through 12	③
Vocational school or community college (One- or two-year program)	④
Four-year college or university	⑤
Did not attend school in Ohio	⑥

OH-3. If you moved into Ohio within the last <u>five</u> years, what was your <u>primary</u> reason for moving?

DID NOT MOVE INTO OHIO WITHIN THE LAST 5 YEARS	①
ACCOMPANIED FAMILY OR ANOTHER PERSON	②
TO FIND A JOB	③
TO ACCEPT A NEW JOB OR TRANSFER	④
TO GO TO SCHOOL	⑤
SOME OTHER REASON	⑥

OH-4. If you received a high school diploma, where did you receive it? Did you receive it from…

a public school in Ohio, ...	①	
a public school outside Ohio, ...	②	(STOP HERE; END OF OHIO QUESTIONS)
a private school in Ohio, or	③	
a private school outside Ohio?	④	
DID NOT RECEIVE A HIGH SCHOOL DIPLOMA	⑤	(OH-5)

OH-5. If you received a certificate of high school equivalence as a result of taking and passing the General Educational Development (GED) tests, where did you receive it? Did you receive a GED…

In Ohio, or	①
Outside Ohio?	②
DID NOT RECEIVE A GED	③

PENNSYLVANIA

PA-1. How many years have you lived in Pennsylvania?

LESS THAN ONE YEAR .... ①
1 TO 5 YEARS .... ②
6 TO 10 YEARS .... ③
11 TO 15 YEARS .... ④
16 TO 20 YEARS .... ⑤
MORE THAN 20 YEARS .... ⑥

PA-2. How likely is it that you will move out of Pennsylvania in the next five years? Would you say…

not likely, ... ①
somewhat likely, or .... ②
very likely? .... ③

PA-3. Which of the following statements apply to you? (CODE ALL THAT APPLY.)

I grew up in a home where there were a variety of books, newspapers,
    magazines, and other printed materials. .... ①
I was read to as a young child by my parent(s) or guardian(s). .... ②
I was helped with schoolwork by my parent(s) or guardian(s). .... ③
NONE OF THE ABOVE .... ④

PA-4. Do you feel that an employer has an obligation to provide literacy education to its employees who need assistance?

YES .... ①
NO .... ②
NO OPINION .... ③

PA-5. If you do not have a high school diploma or GED (general equivalency diploma), would you be willing to work toward obtaining a GED if your employer allowed you to attend classes during work hours?

YES .... ①
NO .... ②
NOT APPLICABLE .... ③

TEXAS

TX-1. How many years have you lived in Texas?

LESS THAN ONE YEAR .... ① 1
1 TO 5 YEARS .... ② 2
6 TO 10 YEARS .... ③ 3
11 TO 15 YEARS .... ④ 4
16 TO 20 YEARS .... ⑤ 5
MORE THAN 20 YEARS .... ⑥ 6

TX-2. Which of the following levels of schooling did you attend in Texas? (CODE ALL THAT APPLY.)

Kindergarten through 3rd grade .... ① 1
Grades 4 through 8 .... ② 2
Grades 9 through 12 .... ③ 3
Vocational school or community college
   (One- or two-year program) .... ④ 4
Four-year college or university .... ⑤ 5
Did not attend school in Texas .... ⑥ 6

TX-3. Which of the following statements apply to you? (CODE ALL THAT APPLY.)

I grew up in a home where there were a variety of books, newspapers,
   magazines, and other printed materials. .... ① 1
I was read to as a young child by my parent(s) or guardian(s). .... ② 2
I was helped with schoolwork by my parent(s) or guardian(s). .... ③ 3
NONE OF THE ABOVE .... ④ 4

TX-4. If you have any children under six years of age living with you now, how often do you read to or with them?

EVERY DAY .... ① 1
A FEW TIMES A WEEK .... ② 2
ABOUT ONCE A WEEK .... ③ 3
ABOUT ONCE OR TWICE A MONTH .... ④ 4
ALMOST NEVER .... ⑤ 5
RESPONDENT HAS NO CHILDREN UNDER SIX YEARS OF
   AGE IN THE HOUSEHOLD. .... ⑥ 6

TX-5. HAND CARD: Which one of the following reasons would most likely keep you from enrolling in a course or a training program?

| **HAND CARD** 13 |

LACK OF TIME OR INTEREST, ... ① 1
COURSE OR TRAINING PROGRAM NOT OFFERED AT
   CONVENIENT TIMES, ... ② 2
INABILITY TO PAY FOR COURSE OR TRAINING, ... ③ 3
LACK OF CHILD CARE, ... ④ 4
LACK OF TRANSPORTATION, OR .... ⑤ 5
LACK OF INFORMATION ABOUT AVAILABLE COURSES OR
   TRAINING PROGRAMS? .... ⑥ 6
NONE OF THE ABOVE .... ⑦ 7

WASHINGTON

WA-1. How many years have you lived in Washington?

LESS THAN ONE YEAR .... ①
1 TO 5 YEARS .... ②
6 TO 10 YEARS .... ③
11 TO 15 YEARS .... ④
16 TO 20 YEARS .... ⑤
MORE THAN 20 YEARS .... ⑥

WA-2. Which of the following levels of schooling did you attend in Washington?
(CODE ALL THAT APPLY.)

Kindergarten through 3rd grade .... ①
Grades 4 through 8 .... ②
Grades 9 through 12 .... ③
Vocational school or community college
      (One- or two-year program) .... ④
Four-year college or university .... ⑤
Did not attend school in Washington.. ⑥

WA-3. HAND CARD: Which one of the following reasons would most likely keep you from
enrolling in a course or a training program?

LACK OF TIME OR INTEREST, ... ①
COURSE OR TRAINING PROGRAM NOT OFFERED AT
      CONVENIENT TIMES, ... ②
INABILITY TO PAY FOR COURSE OR TRAINING, ... ③
LACK OF CHILD CARE, ... ④
LACK OF TRANSPORTATION, OR .... ⑤
LACK OF INFORMATION ABOUT AVAILABLE COURSES OR
      TRAINING PROGRAMS? .... ⑥
NONE OF THE ABOVE .... ⑦

HAND CARD 13

WA-4. If you are currently employed, in which of the following areas do you feel you need additional
training to become a more productive worker in your present job? (CODE ALL THAT APPLY.)

Reading .... ①
Arithmetic .... ②
Computers .... ③
Problem solving .... ④
Listening .... ⑤
Working in teams .... ⑥
None of the above .... ⑦
NOT CURRENTLY EMPLOYED .... ⑧

WA-5. Have you ever been passed over for a job or a promotion for any of the following
reasons? (CODE ALL THAT APPLY.)

Not having a high school diploma .... ①
Not speaking English well enough .... ②
Not reading well enough .... ③
Not writing well enough .... ④
Not being able to do arithmetic well enough .... ⑤
NEVER EMPLOYED .... ⑥
NONE OF THE ABOVE .... ⑦

Appendix H

ENGLISH BACKGROUND QUESTIONNAIRE FOR PRISONS

USING PRINTED MATERIALS

A SURVEY OF AMERICA'S ADULTS

NALS

CAREFULLY PLACE LABEL
INSIDE THIS BOX

INCARCERATED
ENGLISH
BACKGROUND
QUESTIONNAIRE

BQ Elapsed Time (minutes)	EX Elapsed Time (minutes)

Booklet ID #	Office Use Only

The National Center for Education Statistics is

supporting the conduct of NALS through a contract awarded to

Educational Testing Service

A Survey of America's Adults Incarcerated Version

BACKGROUND QUESTIONNAIRE

Hello I am (NAME) from Westat, a research organization in Rockville, MD. We are helping the United States Department of Education with a very important survey about how adults use printed materials. Based on a list of all persons residing in this institution, you have been selected at random to take part in a special version of this survey designed to collect information from persons incarcerated in state and federal prisons.

I will ask you a short set of questions about your educational experiences, work history, and reading and writing activities. Then, I will give you a booklet containing exercises based on printed materials such as newspapers, maps, stories, forms, and advertisements. Others who have completed these exercises found them interesting and fun. The entire survey will take approximately one hour to complete [and your personal "canteen" account will be credited $20 upon your completion of the interview and exercises.]

Your participation in this survey is voluntary and very important. All of your answers will be kept strictly confidential and will not be available to anyone here in this facility. Your responses will be combined with the responses of others to make totals and averages and will never be linked to your name.

IF RESPONDENT REQUESTS MORE INFORMATION ABOUT PURPOSE OF SURVEY:
Today, adults of all ages are expected to use printed information in new and more complex ways, but there is very little information available on whether or not they are well prepared to do so. This survey will provide information about the reading and writing experiences, activities, and skills of adults in the United States. Educators, policymakers, and business leaders will use information from this study to help develop programs that will better equip us with the skills we will need for the future.

INTERVIEWER NAME: _____

Scorer #1

Scorer #2

SECTION A
GENERAL AND LANGUAGE BACKGROUND

A-1. In what country were you born?

USA (50 STATES OR D.C.) 1 (A-4)

U.S. TERRITORY (SPECIFY): _____ 2 (A-2)

OTHER (SPECIFY COUNTRY): _____ 3 (A-2) _____

A-2. How many years have you lived in the United States?

1 TO 5 1

6 TO 10 2

11 TO 15 3

16 TO 20 4

21 TO 30 5

31 TO 40 6

41 TO 50 7

51 OR MORE 8

A-3. What was the highest level of education you completed before coming to the United States? (IF RESPONSE DOES NOT FIT CATEGORIES, PROBE FOR EQUIVALENT.)

DID NOT ATTEND SCHOOL BEFORE COMING TO U.S. 1

PRIMARY (GRADES K-3) 2

ELEMENTARY (GRADES 4-8) 3

SECONDARY (GRADES 9-12) 4

VOCATIONAL (POSTSECONDARY) 5

COLLEGE/UNIVERSITY 6

OTHER (SPECIFY): _____ 7

A-4. When you were growing up, what language or languages were usually spoken in your home? (CODE ALL THAT APPLY.)

ENGLISH 1

SPANISH 2

OTHER (SPECIFY): _____ 3 _____

A-5.   What language or languages did you learn to speak before you started school? (CODE ALL THAT APPLY.)

ENGLISH 1

SPANISH 2

OTHER (SPECIFY): _____ 3   _____

BOX 1.   IF ENGLISH ONLY FOR BOTH A-4 AND A-5, SKIP TO A-16; OTHERWISE, CONTINUE.

A-6.   What language did you first learn to read and write?

ENGLISH 1

SPANISH 2

OTHER (SPECIFY): _____ 3   _____

NEVER LEARNED TO READ AND WRITE 4

A-7.   How old were you when you learned to speak English?

1-4 YEARS 1

5-10 YEARS 2

11-15 YEARS 3

16-20 YEARS 4

21 OR OLDER 5

DOES NOT SPEAK ENGLISH 6

BOX 2.   IF ENGLISH ONLY IN A-5, SKIP TO A-16; OTHERWISE, CONTINUE. IF MORE THAN ONE NON-ENGLISH LANGUAGE IN A-5, USE FIRST ONE MENTIONED FOR A-8 AND A-9.

A-8.   With regard to (NON-ENGLISH LANGUAGE IN A-5), how well do you…

Would you say…

	very well	well	not well	or	not at all
understand it when it is spoken to you?	1	2	3		4
speak it?	1	2	3		4
read it?	1	2	3		4
write it?	1	2	3		4

A-9. HAND CARD: With regard to (NON-ENGLISH LANGUAGE IN A-5), how often do you…

Would you say…

HAND CARD 1

	every day	a few times a week	once a week	less than once a week	or never
A. listen to radio programs, tapes, or records in (LANGUAGE)?	1	2	3	4	5
B. watch television programs or video tapes in (LANGUAGE)?	1	2	3	4	5
C. read newspapers, magazines, or books in (LANGUAGE)?	1	2	3	4	5
D. write or fill out letters or forms in (LANGUAGE)?	1	2	3	4	5

A-10. Have you ever taken a course to learn how to read and write English as a second language?

YES 1 (A-11)

NO 2 (A-12)

A-11. Did you complete this course?

YES 1

NO 2

A-12. Have you ever taken a course to learn how to speak and understand English as a second language?

YES 1 (A-13)

NO 2 (A-14)

A-13. Did you complete this course?

YES 1

NO 2

A-14. Which language do you usually speak now?

ENGLISH 1

SPANISH 2

OTHER (SPECIFY): _____ 3   _____

A-15.　　What other language do you often speak now?

      ENGLISH 1

      SPANISH 2

      OTHER (SPECIFY): _____ 3　　　_____

      NO OTHER LANGUAGE SPOKEN 4

A-16.　　With regard to the English language, how well do you…

Would you say…

	very well	well	not well	or	not at all
understand it when it is spoken to you?	1	2	3		4
speak it?	1	2	3		4
read it?	1	2	3		4
write it?	1	2	3		4
Do arithmetic problems when you have to get the numbers from written materials?	1	2	3		4

SECTION B
EDUCATIONAL BACKGROUND AND EXPERIENCES

B-1.   HAND CARD: I'd like to ask you about your educational background and experiences. What is the highest level of public or private education you completed in the United States? (IF R WENT TO SCHOOL OUTSIDE U.S., PROBE FOR EQUIVALENT.)

HAND CARD 2

A. *(NOT APPLICABLE TO INCARCERATED SURVEY)*

B. LESS THAN HIGH SCHOOL (0-8 YEARS) (SPECIFY GRADE): _____   02   (B-2)

C. SOME HIGH SCHOOL (9-12 YEARS BUT DID NOT COMPLETE 12TH GRADE) (SPECIFY GRADE):_____ 03   (B-2)

D. GED OR HIGH SCHOOL EQUIVALENCY 04   (B-2)

E. HIGH SCHOOL GRADUATE (12 YEARS; ACCELERATED OR EARLY GRADUATE PROGRAM)... 05

F. ATTENDED A VOCATIONAL, TRADE, OR BUSINESS SCHOOL AFTER HIGH SCHOOL 06

G. COLLEGE: LESS THAN TWO YEARS 07

H. COLLEGE: ASSOCIATE'S DEGREE (A.A.) 08   (B-4)

I. COLLEGE: TWO YEARS OR MORE, NO DEGREE 09

J. COLLEGE GRADUATE (B.S. OR B.A.) 10

K. POSTGRADUATE/NO DEGREE 11

L. POSTGRADUATE/DEGREE (M.S., M.A., PH.D., M.D., ETC.) 12

M. DON'T KNOW 13   (B-5)   _____

B-2.   What was the main reason you stopped your public or private schooling when you did?

FINANCIAL PROBLEMS 1

WENT TO WORK OR INTO THE MILITARY 2

PREGNANCY 3

LOST INTEREST OR BEHAVIOR PROBLEMS IN SCHOOL 4

ACADEMIC PROBLEMS AT SCHOOL 5

FAMILY OR PERSONAL PROBLEMS 6

CONVICTED OF CRIME OR SENT TO JAIL/ PRISON/DETENTION CENTER 7

OTHER 8

BOX 3.   CHECK B-1. IF CODED 04, SKIP TO B-5; OTHERWISE, CONTINUE.

B-3.   Did you ever study for a GED or high school equivalency?

YES 1

NO 2

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┌─────────────────────────────────────────────────────────────────┐
│  BOX 4.   CHECK B-1. IF CODED 02, SKIP TO B-5; OTHERWISE,          │
│           CONTINUE.                                                │
└─────────────────────────────────────────────────────────────────┘
```

B-4.   What kind of high school program did you take? Was it…

college preparatory? 1

vocational, technical, or trade? 2

general? 3

or the same for everyone? 4

B-5.   Since your current admission to prison, have you ever been in any education pro-
gram, excluding vocational training?

YES 1   (B-6)

NO 2   (B-9)

B-6.   What kind of program was that — basic classes up to the 9th grade, high school
classes to get a diploma or GED, or college-level classes? (CODE ALL THAT APPLY.)

BASIC CLASSES UP TO 9TH GRADE 1

HIGH SCHOOL CLASSES FOR DIPLOMA OR GED 2

COLLEGE-LEVEL CLASSES 3

OTHER 4

B-7.   Are you still in an education program?

YES 1

NO 2

B-8.   Since your current admission to prison, how long have you spent altogether in
education program(s)?

LESS THAN ONE MONTH 1

NUMBER OF MONTHS (SPECIFY): _____ 2

NUMBER OF YEARS (SPECIFY): _____ 3

DON'T KNOW 4   _____

B-9. Since your current admission to prison, have you ever been in any vocational training program, excluding prison work assignments?

YES 1   (B-10)

NO 2   (B-12)

B-10. Are you still in a vocational program?

YES 1

NO 2

B-11. Since your current admission to prison, how long have you spent altogether in vocational training?

LESS THAN ONE MONTH 1

NUMBER OF MONTHS (SPECIFY): _____ 2

NUMBER OF YEARS (SPECIFY): _____ 3

DON'T KNOW 4   _____

B-12. Before your current admission to prison, did you ever take part in a program other than in regular school in order to improve your *basic skills*, that is, basic reading, writing, and arithmetic skills?

YES 1   (B-13)

NO 2   (B-15)

ASK B-13 AND B-14 <u>IN SEQUENCE</u> FOR EACH PROGRAM CODED "YES" IN B-13.

B-13. Was this program…	YES	NO	DON'T KNOW	**B-14.** IF YES: How recently did you take part in this training?
a training program or courses given or sponsored by your employer or union?	1	2	3	WITHIN THE PAST YEAR ...... 2 BETWEEN ONE & FIVE YEARS .... 3 MORE THAN FIVE YEARS AGO 4
a publicly sponsored education and training program, such as JTPA or ABE?	1	2	3	WITHIN THE PAST YEAR ...... 2 BETWEEN ONE & FIVE YEARS .... 3 MORE THAN FIVE YEARS AGO 4
a tutoring program sponsored by a library, church, or community organization?	1	2	3	WITHIN THE PAST YEAR ...... 2 BETWEEN ONE & FIVE YEARS .... 3 MORE THAN FIVE YEARS AGO 4
any other program (such as one offered by the military, prisons, or other institutions)?	1	2	3	WITHIN THE PAST YEAR ...... 2 BETWEEN ONE & FIVE YEARS .... 3 MORE THAN FIVE YEARS AGO 4

B-15. Do you have a physical, mental, or other health condition that keeps you from participating fully in work, school, or other activities?

YES 1

NO 2

B-16. Do you have any difficulty seeing the words and letters in ordinary newspaper print even when wearing glasses or contact lenses, if you usually wear them?

YES 1

NO 2

B-17. Do you have any difficulty hearing what is said in a normal conversation with another person even when using a hearing aid, if you usually wear one?

YES 1

NO 2

B-18. Do your currently have any of these conditions? (READ LIST AND CODE YES OR NO FOR EACH CONDITION.)

	YES	NO
A learning disability	1	2
Any mental or emotional condition	1	2
Mental retardation	1	2
A speech disability	1	2
A physical disability	1	2
A long-term illness (6 months or more)	1	2
Any other health impairment	1	2

SECTION C
CURRENT OFFENSES AND CRIMINAL HISTORY

C-1.   For what offenses are you <u>now</u> in prison? (PROBE: Any others?) (RECORD EACH OFFENSE ON A SEPARATE LINE BELOW.)

OFFENSE #1: _____

OFFENSE #2: _____

OFFENSE #3: _____

OFFENSE #4: _____

OFFENSE #5: _____   _____

> **BOX 5.   CHECK C-1. IF ONLY OFFENSE RECORDED, SKIP TO C-3; OTHERWISE, CONTINUE.**

C-2.   For which of these offenses did you receive the longest sentence?

_____   _____

C-3.   In what month and year were you first arrested for (any of these offenses/this offense)?

_____   _____

MONTH   /   YEAR

DON'T KNOW 1

C-4.   In what month and year were you first admitted to prison for (these offenses/this offense)?

_____   _____

MONTH   /   YEAR

DON'T KNOW 1

C-5.   Have you ever been placed on probation, either as a juvenile or as an adult?

YES 1   (C-6)

NO 2   (C-8)

C-6.   How many times have you ever been placed on probation as a juvenile?

NONE 1

NUMBER OF TIMES (SPECIFY): _____ 2   _____

DON'T KNOW 3

C-7. How many times have you been placed on probation as an adult?

NONE 1

NUMBER OF TIMES (SPECIFY): _____ .... 2 _____

DON'T KNOW 3

C-8. Did you ever serve time in prison, jail, or some other correctional facility for any other offenses?

YES 1   (C-9)

NO 2   (C-11)

C-9. How many times as a juvenile?

NONE 1

NUMBER OF TIMES (SPECIFY): _____ .... 2 _____

DON'T KNOW 3

C-10. How many times as an adult?

NONE 1

NUMBER OF TIMES (SPECIFY): _____ .... 2 _____

DON'T KNOW 3

C-11. Do you have a define date on which you expect to be released from prison?

YES 1   (C-12)

NO 2   (C-13)

C-12. In what month and year will you be released?

_____ → (D-1)

MONTH   /   YEAR   _____

C-13. Do you expect to ever be released from prison?

YES 1   (C-14)

NO 2   (D-1)

C-14. In what month and year is your earliest possible release date?

_____ _____

MONTH   /   YEAR

DON'T KNOW 1

SECTION D
PRISON WORK ASSIGNMENTS AND LABOR FORCE PARTICIPATION

D-1.   Now I'd like to ask you some questions about work assignments. Do you currently have any work assignments either inside or outside of this prison facility?

    YES 1   (D-2)

    NO 2   (D-8)

D-2.   What work assignments do you have now? (CODE ALL THAT APPLY.)

    GOODS PRODUCTION (TAG SHOP, PRINT SHOP, ETC.) 01

    GENERAL JANITORIAL DUTIES (CLEANING) 02

    GROUNDS OR ROAD MAINTENANCE 03

    FOOD PREPARATION OR RELATED DUTIES (KITCHEN,
        BAKERY, BUTCHERY, ETC.) 04

    LAUNDRY 05

    HOSPITAL, INFIRMARY, OR OTHER MEDICAL SERVICES 06

    FARMING/FORESTRY/RANCHING 07

    OTHER SERVICES (LIBRARY, STOCROOM, STORE, OFFICE
        HELP, RECREATION, BARBER OR BEAUTY SHOP, ETC.) 08

    MAINTENANCE OR REPAIR/CONSTRUCTION 09

    ENROLLED IN SCHOOL 10

    OTHER (SPECIFY): _____ 11

D-3.   In the last week, how many hours were you assigned to (this job/these jobs)?

    HOURS (SPECIFY): _____   _____

D-4.   Are you paid money for any of this work?

    YES 1   (D-5)

    NO 2   (D-6)

D-5.   How much did you make last month (from all work assignments)? (WRITE IN DOLLAR AMOUNT AND CODE APPROPRIATE UNIT.)

    $_____ . _____   _____

    PER HOUR 1

    PER DAY 2

    PER WEEK 3

    PER TWO-WEEK PERIOD 4

    PER MONTH 5

    PER YEAR 6

    OTHER (SPECIFY): _____ 7

D-6. (Other than money,) do you receive anything for work, such as time credits or other privileges?

YES 1 (D-7)

NO 2 (D-8)

D-7. What do you receive? (CODE ALL THAT APPLY.)

GOOD TIME 1

CIGARETTES, FOOD, ETC. 2

EXTRA PRIVILEGES 3

OTHER (SPECIFY): _____ 4

D-8. HAND CARD: In the year before your arrest on (READ ARREST DATE FROM QUESTION C-3 ON PAGE 12), did you receive income from any of the following? (CODE ALL THAT APPLY.)

HAND CARD 3

A. Social Security or other pensions (e.g., veterans,
    Supplemental Security Income, disability) 1

B. Welfare, charity 2

C. Unemployment insurance compensation and/or
    workman's compensation 3

D. Family or friends 4

E. Illegal sources 5

F. Educational scholarship or grant 6

G. Anything else? (SPECIFY): _____ 7

H. NONE 8

> **BOX 6. CHECK ADMISSION DATE FROM QUESTION C-4 ON PAGE 12. IF YEAR OF ADMISSION IS 1988 OR EARLIER, SKIP TO E-1;OTHERWISE, CONTINUE.**

D-9. In the past three years, that is, since January 1989, did you work for pay or profit, either full-time or part-time, while not serving time in prison?

YES 1 (D-10)

NO 2 (E-1)

D-10. Between January 1989 and (READ ADMISSION DATE FROM QUESTION C-4 ON PAGE 12), how many months did you work?

LESS THAN 1 MONTH 1 (E-1)

NUMBER OF MONTHS (SPECIFY): _____ 2 (D-11) _____

D-11. Now I would like to ask you some questions about your most recent full-time or part-time job prior to your current admission to prison. For what kind of business or industry did you work? (For example, television and radio manufacturing, retail shoe store, state labor department, farm, etc.) (IF R WORKED TWO OR MORE JOBS, PROBE: Tell me about the job you worked the most hours or the job you considered your primary employment.)

BUSINESS OR INDUSTRY: _____

_____   ____

D-12. What was your occupation, that is, what was your job called? (For example, electrical engineer, stock clerk, typist, farmer, etc.)

WORK: _____

_____   ____

D-13. What were the most important activities or duties at this job? (For example, typing, keeping account books, filing, selling cars, operating a printing press, finishing concrete, etc.)

ACTIVITIES OR DUTIES: _____

_____

_____

_____

D-14. Was this full-time, part-time, or occasional work?

FULL-TIME 1

PART-TIME 2

OCCASIONAL 3

D-15. HAND CARD: Which category on this card represents your average <u>monthly</u> earnings for that job <u>before</u> any deductions?

HAND CARD 4

A.	$1-	$99	01
B.	$100-	$199	02
C.	$200-	$299	03
D.	$300-	$399	04
E.	$400-	$499	05
F.	$500-	$599	06
G.	$600-	$799	07
H.	$800-	$999	08
I.	$1,000-	$1,199	09
J.	$1,200-	$1,499	10
K.	$1,500-	$1,999	11
L.	$2,000-	$2,499	12
M.	$2,500-	$4,999	13
N.	$5,000 OR MORE		14
O.	DON'T KNOW		15
P.	NO INCOME		16

SECTION E
LITERACY ACTIVITIES AND COLLABORATION

E-1.   Now I'd like to talk to you about what you read in English. First, let's talk about newspapers. How often do you read a newspaper — every day, a few times a week, once a week, less than once a week, or never?

EVERY DAY 1   (E-2)

A FEW TIMES A WEEK 2   (E-2)

ONCE A WEEK 3   (E-2)

LESS THAN ONCE A WEEK 4   (E-2)

NEVER 5   (E-3)

E-2.   Now I will read a list of the different parts of newspapers. Would you please tell me which parts you generally read when looking at a newspaper? Do you read… (CODE ALL THAT APPLY.)

news? 01

sports? 02

home, fashion, or health? 03

editorial pages? 04

financial news or stock listings? 05

comics? 06

classified ads or other advertisements? 07

TV, movie, or concert listings? 08

book, movie, or art reviews? 09

horoscope or advice columns? 10

something else? (SPECIFY): _____ 11

NONE? 12

E-3.   Next, let's talk about magazines. About how many different magazines do you look at or read in English on a regular basis?

0 1

1 2

2 3

3 TO 5 4

6 OR MORE 5

E-4.   Next, I'd like to ask you about books you may have read in English recently. I will read a list of different types of books. Would you please tell me which of these types of books you've read in English in the past six months, if any? Have you read… (CODE ALL THAT APPLY.) (INCLUDE COURSE BOOKS.)

fiction? 1

recreation or entertainment? 2

current affairs or history? 3

inspiration or religion? 4

science or social science? 5

reference, such as encyclopedias
    or dictionaries? 6

manuals for cooking, operating, repairing,
    or building? 7

any other types of books?
    (SPECIFY): _____ 8

NONE? 9

E-5.   I would like to ask you about other kinds of things you may read in English. Please consider printed or written materials, as well as information displayed on computer screens. HAND CARD: How often do you read or use information from (ITEM)? Would you say every day, a few times a week, once a week, less than once a week, or never?

HAND CARD 1

	EVERY DAY	A FEW TIMES A WEEK	ONCE A WEEK	LESS THAN ONCE A WEEK	NEVER
A. Letters or memos	1	2	3	4	5
B. Reports, articles, magazines, or journals	1	2	3	4	5
C. Manuals or reference books, including catalogs or parts lists	1	2	3	4	5
D. Directions or instructions for medicines, recipes, or other products	1	2	3	4	5
E. Diagrams or schematics	1	2	3	4	5
F. Bills, invoices, spreadsheets, or budget tables	1	2	3	4	5

E-6.　Now I would like to find out about things that you write or fill out in English. Please consider writing or typing on paper, as well as entering information into computers. HAND CARD: How often do you write or fill out (ITEM)? Would you say every day, a few times a week, once a week, less than once a week, or never?

	EVERY DAY	A FEW TIMES A WEEK	ONCE A WEEK	LESS THAN ONCE A WEEK	NEVER
A. Letters or memos	1	2	3	4	5
B. Forms	1	2	3	4	5
C. Reports or articles	1	2	3	4	5

E-7.　How often do you use arithmetic or mathematics, that is, add, subtract, multiply, divide, or measure? Would you say every day, a few times a week, once a week, less than once a week, or never?

EVERY DAY 1

A FEW TIMES A WEEK 2

ONCE A WEEK 3

LESS THAN ONCE A WEEK 4

NEVER 5

E-8.　HAND CARD: How much help do you get from family members, friends, or other people with…

	Would you say…				
	a lot	some	a little	or	none
A. filling out forms?	1	2	3		4
B. reading or explaining newspaper articles or other written information?	1	2	3		4
C. printed information associated with government agencies, public companies, private businesses, hospitals, etc.?	1	2	3		4
D. writing notes and letters?	1	2	3		4
E. using basic arithmetic, that is, adding, subtracting, multiplying, or dividing, such as in filling out order forms?	1	2	3		4

E-9.　Since your admission to prison on (READ ADMISSION DATE FROM QUESTION C-4 ON PAGE 12), have you joined any organization authorized by prison authorities, such as a prison religious group, a study group, a prisoner assistance group, or other self-help group?

YES .... 1　(E-10)

NO .... 2　 (F-1)

E-10.　What groups have you joined? (CODE ALL THAT APPLY.)

DRUG AWARENESS OR OTHER DRUG DEPENDENCY GROUP 01

ALCOHOLICS ANONYMOUS, AL-ANON, OR OTHER
　　ALCOHOL-RELATED GROUP 02

A BIBLE CLUB OR OTHER RELIGIOUS STUDY GROUP
　　(INCLUDING MUSLIMS) 03

AN ETHNIC/RACIAL ORGANIZATION (E.G., NAACP,
　　AFRICAN AMERICAN/BLACK CULTURE GROUP,
　　HISPANIC COMMITTEE, AZTLAN, OR LAKOTA) 04

PRISONER ASSISTANCE GROUPS (E.G., INMATE LIAISON,
　　ADVISORY, OR WORKER'S COUNCILS) OR PRISONER
　　COUNSELING GROUP 05

OTHER PRISONER SELF-HELP/PERSONAL IMPROVEMENT
　　GROUP (E.G., LIFER GROUP, PARENT AWARENESS GROUP,
　　TOASTMASTERS, JAYCEES, GAVEL CLUB, VETERANS CLUB) .. 06

OUTSIDE COMMUNITY ACTIVITIES 07

RELIGIOUS ACTIVITIES 08

CLASSES IN PARENTING/CHILDREARING SKILLS 09

CLASSES IN LIFE SKILLS (INCLUDING HOUSEHOLD FINANCE,
　　HOW TO FIND A JOB, ETC.) 10

CLASSES IN ARTS, CRAFTS 11

PRERELEASE PROGRAMS 12

OTHER (SPECIFY): _____ 13

SECTION F
DEMOGRAPHIC INFORMATION

F-1.   When you were growing up, who did you live with most of the time? (IF MORE THAN ONE RELATIVE, CODE CLOSET BLOOD RELATIVE.)

MOTHER	1	(F-2)
FATHER	2	(F-3)
BOTH PARENTS (INCLUDING ONE STEPPARENT)	3	(F-2)
GRANDPARENT(S)	4	(F-2)
OTHER RELATIVE(S) (INCLUDING STEPRELATION(S))	5	(F-2)
FRIEND(S)	6	(F-4)
FOSTER HOME(S)	7	(F-4)
AGENCY OR INSTITUTION (INCLUDING RELIGIOUS INSTITUTIONS)	8	(F-4)
SOMEONE ELSE (SPECIFY): _____	9	(F-4)

F-2.   What was the highest level of education your mother (stepmother or female guardian) completed? (IF WENT TO SCHOOL OUTSIDE U.S., PROBE FOR EQUIVALENT.)

LESS THAN HIGH SCHOOL (0-8 YEARS) (SPECIFY GRADE): _____	01
SOME HIGH SCHOOL (9-12 YEARS BUT DID NOT COMPLETE 12TH GRADE) (SPECIFY GRADE): _____	02
GED OR HIGH SCHOOL EQUIVALENCY	03
HIGH SCHOOL GRADUATE (12 YEARS; ACCELERATED OR EARLY GRADUATE PROGRAM)	04
ATTENDED A VOCATIONAL, TRADE OR BUSINESS SCHOOL AFTER HIGH SCHOOL	05
COLLEGE: LESS THAN TWO YEARS...	06
COLLEGE: ASSOCIATE'S DEGREE (A.A.)	07
COLLEGE: TWO YEARS OR MORE, NO DEGREE	08
COLLEGE GRADUATE (B.S. OR B.A.)	09
POSTGRADUATE/NO DEGREE	10
POSTGRADUATE/DEGREE (M.S., M.A., PH.D., M.D., ETC.)	11
DON'T KNOW	12 _____

BOX 7. CHECK F-1. IF CODED 1, GO TO F-4; OTHERWISE, CONTINUE.

F-3.   What was the highest level of education your father (stepfather or male guardian) completed? (IF WENT TO SCHOOL OUTSIDE U.S., PROBE FOR EQUIVALENT.)

LESS THAN HIGH SCHOOL (0-8 YEARS) (SPECIFY GRADE): _____ 01

SOME HIGH SCHOOL (9-12 YEARS BUT DID NOT
    COMPLETE 12TH GRADE) (SPECIFY GRADE): _____ 02

GED OR HIGH SCHOOL EQUIVALENCY 03

HIGH SCHOOL GRADUATE (12 YEARS; ACCELERATED OR
    EARLY GRADUATE PROGRAM) 04

ATTENDED A VOCATIONAL, TRADE
    OR BUSINESS SCHOOL AFTER HIGH SCHOOL 05

COLLEGE: LESS THAN TWO YEARS.. 06

COLLEGE: ASSOCIATE'S DEGREE (A.A.) 07

COLLEGE: TWO YEARS OR MORE, NO DEGREE 08

COLLEGE GRADUATE (B.S. OR B.A.) 09

POSTGRADUATE/NO DEGREE 10

POSTGRADUATE/DEGREE (M.S., M.A., PH.D., M.D., ETC.) 11

DON'T KNOW .... 12 _____

F-4.   What is your current marital status?

Never married 1

Married 2

Separated or divorced 3

Widowed 4

F-5.   HAND CARD: Which of the groups on this card best describes you? (IF RESPON-DENT REFUSES TO ANSWER, PLEASE RECORD THE RESPONDENT'S RACE FROM OBSERVATION.)

HAND CARD 6

A. WHITE 1

B. BLACK (AFRICAN AMERICAN) 2

C. AMERICAN INDIAN 3

D. ALASKAN NATIVE 4

E. PACIFIC ISLANDER 5

F. ASIAN (SPECIFY): _____ 6

G. OTHER (SPECIFY): _____ 7

F-6.   Are you of Spanish or Hispanic origin or descent?

        YES 1   (F-7)

        NO 2   (F-8)

F-7.   HAND CARD: Which of the groups on this card best describes your Hispanic origin?

HAND CARD 7

        A. MEXICANO, MEXICAN, MEXICAN AMERICAN, CHICANO 1

        B. PUERTO RICAN 2

        C. CUBAN 3

        D. CENTRAL/SOUTH AMERICAN 4

        E. OTHER SPANISH/HISPANIC (SPECIFY): _____ 5

F-8.   What is your date of birth?

        _____   _____
                    MONTH   /   DAY   /   YEAR

INTERVIEWER PLEASE NOTE

F-9.   SEX

        MALE 1

        FEMALE 2

END
TIME: _____ A.M. _____ P.M.

Appendix I

DERIVED VARIABLES

Appendix I: Derived Variables
NATIONAL ADULT LITERACY SURVEY

Listed below are all the derived variables for the 1992 National Adult Literacy Survey for version 2.

FOR HOUSEHOLD, PRISONER, AND NON-INCENTIVE SAMPLES	FOR PRISONER SAMPLE
Dage	Dib0801
Hhsize *	Dib1101
Drace	Dic0301
Dcbirth	Dic0401
Dagearr	Dic0601
Dlanghm	Dic0701
Dlangbs	Dic0901
Dlangrw	Dic1001
Dlangsp	Dic1201
Dbiling	Dic1401
Dbilit	Dd03601
Dlingl	Did0501
Dliter	Did1001
Dweekwg *	
Dwkyrwg *	
Dfaminc *	
Dbusind	
Doccup	
Dwkswrk *	
Clfstat *	
Annearn *	
Labfres *	
Hedenrn *	
Bascany *	
Bascone *	
Bascfiv *	
Yrslfex *	
Povlevl *	
Sampcod	
Idcode	
Niruse	

* Derived variables not included in the prison dataset.

DAGE (ACTUAL AGE IN YEARS: BIRTH DATE F-12 MM/DD/YY)

Test date of 9/1/92 minus Birth date

$TDATE = 365 \times 92 + 30.4374 \times 9 + 1$
$BDATE = 365 \times YY + 30.4374 \times MM + DD$

$AGEDAYS = TDATE - BDATE$
$AGEMONTH = AGEDAYS / 30.4374$
$IYEARS = AGEMONTH / 12$

Adjustments for respondents born prior to 1900:
If $YY > 92$ and $YY < 100$, $IYEARS = IYEARS + 99$
If $YY = 92$ and $MM > 8$, $IYEARS = IYEARS + 99$
If $YY = 92$ and $MM < 9$, $IYEARS = IYEARS + 100$
If $YY > 77$ and $YY < 92$, $IYEARS = IYEARS + 100$

$DAGE = IYEARS$

EXCEPTIONS if all or part of birth date are missing:
If day of birth only is missing ($DD = 00$),
$DD = 01$ was used in the BDATE formula above.

If month or year of birth are missing ($MM = 00$
or $YY = 77$),
DAGE was set to age as provided on the Household
Screener, if available; otherwise, DAGE was set to blanks.

DRACE (RACE/ETHNICITY F-9, F-10, AND F-11)

01 = Black not Hispanic
02 = Hispanic, Mexican
03 = Hispanic, Puerto Rican
04 = Hispanic, Cuban
05 = Hispanic, Central/South American or Other
06 = Asian
07 = American Indian/Alaskan Native
08 = Pacific Islander
09 = White
10 = Other

If background question F-10 coded 'yes' then response to background question F-11
Hispanic origin was used. If background question F-10 coded 'no' then response coded
for background question F-9 was used.

DCBIRTH (COUNTRY OF BIRTH A-1)

1 = USA
2 = Spanish speaking countries
3 = European language countries
4 = Asian language countries
5 = All other countries
6 = Missing

Spanish speaking countries

01	Argentina	29	Honduras
07	Bolivia	41	Mexico
11	Chili	44	Nicaragua
12	Columbia	48	Panama
13	Costa Rica	49	Peru
14	Cuba	53	Puerto Rico
17	Dominican Republic	58	Spanish
18	Ecuador	65	Uruguay
20	El Salvador	66	Venezuela
27	Guatemala		

European language countries

02	Australia	31	Hungary
03	Austria	35	Ireland
05	Belgium	37	Italy
08	Brazil	42	Netherlands
09	Bulgaria	43	New Zealand
10	Canada	46	Norway
15	Czechoslovakia	51	Poland
16	Denmark	52	Portugal
21	England	54	Russia
22	Finland	56	Scotland
23	France	59	Sweden
24	Germany	60	Switzerland
25	Greece	69	Yugoslavia

Asian language countries

30	Hong Kong	61	Taiwan (China)
39	Japan	62	Thailand
40	Korea	67	Vietnam
50	Philippines		

Other

All other countries coded

DAGEARR (AGE OF ARRIVAL IN THE USA: A-2 - AGE [COMPUTED FROM F-12])

        Median of A-2 [Years lived in the U.S.] - Actual Age)

        A-2   1 to 5 years = 3 years
                6 to 10 years = 8 years
              11 to 20 years = 13 years
              16 to 20 years = 18 years
              21 to 30 years = 25 years
              31 to 40 years = 35 years
              41 to 50 years = 45 years
              51 or more   = 51 years

DLANGHM (LANGUAGE SPOKEN IN HOME WHILE GROWING UP A-4)

DLANGBS (LANGUAGE SPOKEN BEFORE STARTING SCHOOL A-5)

        01   English only
        02   English & Spanish
        03   English & European
        04   English & Asian
        05   Spanish & Other
        06   Other
        07   Spanish only
        08   European only
        09   Asian only
        10   English & Other

<div align="center">"2nd Response"</div>

"1st Response"	None	Spanish	European	Asian	Other
English	1	2	3	4	10
Spanish	7	7	5	5	5
Other	6	5	8	9	6

English language

    07   English

Spanish language

    29   Spanish

European languages

04	Czech	24	Norwegian
05	Danish	25	Polish
06	Dutch	26	Portuguese
09	Finnish	27	Romanian
10	Flemish	28	Russian
11	French	31	Swedish
12	Gaelic	34	Ukrainian
13	German	36	Yiddish
14	Greek	44	Lithuanian
17	Hungarian	46	Serbo-Croatian
19	Italian	47	Slovak
22	Latin		

Asian languages

03	Chinese	35	Vietnamese
20	Japanese	41	Cambodian
21	Korean	43	Lao, Laotian
32	Thai	45	Philippine

Other languages

All other language codes

DLANGRW (LANGUAGE FIRST LEARNED TO READ/WRITE A-6)

1 = English language
2 = Spanish language
3 = European languages
4 = Asian languages
5 = Other non-English languages
6 = Cannot read or write

DLANGSP (LANGUAGE USUALLY SPOKEN NOW A-15)

1 = English language
2 = Spanish language
3 = European languages
4 = Asian languages
5 = Other non-English languages

DBILING (NON-ENGLISH ORALITY A-8 PARTS A & B)

      1 = Yes, non-English orality
      2 = Not non-English oral

	very well or well	not well or not at all
understand	1	2
speak	1	2

DBILIT (NON-ENGLISH LITERACY A-8 PARTS C & D)

      1 = Non-English literate
      2 = Not non-English literate

	very well or well	not well or not at all
read	1	2
write	1	2

DLINGL (ENGLISH ORALITY A-17 PARTS A & B) (A-16 in the Prison sample)

        1 = Yes, English orality
        2 = Not English orality

	very well or well	not well or not at all
understand	1	2
speak	1	2

DLITER (ENGLISH LITERACY A-17 PARTS C & D) (A-16 in the Prison sample)

        1 = Yes, English literate
        2 = Not English literate

	very well or well	not well or not at all
read	1	2
write	1	2

DWEEKWG (WEEKLY WAGE D-3)

        0 = weekly wage could not be computed

    If D-3 per hour, multiply by number of hours indicated in D-4
    If D-3 per day, multiply by number of days indicated in D-4
    If D-3 per week, used amount as given
    If D-3 per two-week period, divided D-3 by 2
    If D-3 per month, divided D-3 by 4.3
    If D-3 per year, divided D-3 by 52

DWKYRWG (AVERAGE WEEKLY WAGE D-7)

        0 = weekly wage could not be computed

    If D-7 per hour, multiply by number of hours indicated in D-8
    If D-7 per day, multiply by number of days indicated in D-8
    If D-7 per week, used amount as given
    If D-7 per two-week period, divided D-8 by 2
    If D-7 per month, divided D-8 by 4.3
    If D-7 per year, divided D-8 by 52

DFAMINC (FAMILY INCOME F-7)

Dollar amount indicated in question F-7

01 = Under $5,000
02 = $5,000 - $9,999
03 = $10,000 - $14,999
04 = $15,000 - $19,999
05 = $20,000 - $29,999
06 = $30,000 - $39,999
07 = $40,000 - $49,999
08 = $50,000 - $74,999
09 = $75,000 - $99,999
10 = $100,000 and over
11 = Refused and I don't know

DWKSWRK (NUMBER OF WEEKS WORKED LAST YEAR D-5 PARTS A & B)

If D-5A equal to '1' weeks worked = 00

If D-5A equal to '2' weeks worked = value coded in D-5B

If D-5A equal to '3' weeks worked = 52

D-5B equal to 88 omitted or 99 incomplete, weeks worked = 00

CLFSTAT (CURRENT LABOR FORCE STATUS D-1 AND D-2)

D-1 Doing last week

Working full-time   = 1
Working part-time   = 2
Working two or more jobs = 3
Unemployed, laid off   = 4
With job but not at work = 5
With job, family leave   = 6
In school   = 7
Keeping house   = 8
Retired   = 9
Doing volunteer work   = 10
Other   = 11

D-2 Have you looked for a job during past four weeks

Yes = 1
No = 2

New codes:

1 = Employed full-time (D-1 = 1 or 3)
2 = Employed part-time (D-1 = 2)
3 = Employed, not at work (D-1 = 5 or 6)
4 = Unemployed (D-1 = 4)
5 = Out of labor force (D-1 = 7, 8, 9, or 10)

ANNEARN (ANNUAL EARNINGS D-7A WEEKLY WAGE, AND DWKSWRK WEEKS WORKED)

ANNEARN = D-7A x DWKSWRK (weeks worked last year)

LABFRES (LABOR FORCE RESERVES - DERIVED FROM CLFSTAT)

0 = Not labor force reserves
1 = Labor force reserves

If age less than 65, and Current Labor Force Status equal to Unemployed
OR
with job but not at work and zero weeks worked last year

then LABFRES = 1

If age greater than or equal to 65,
OR if Current Labor Force Status is equal to 1, 2, or 3
OR if Weeks Worked is greater than 0

then LABFRES = 0

otherwise LABFRES = blank

HEDENRN (CURRENTLY ENROLLED IN HIGHER EDUCATION B-5 AND B-6)

0 = Not currently enrolled
1 = Currently enrolled

If B-5 equal '1' Yes currently enrolled and B-6 equal '2' Vocational, '3' Two year college, '4' Four or five-year college, or '5' Master's, PH.D or other advanced degree, HEDENRN = 1

If B-5 equal '2' No and B-6 equal '1' high school diploma, '6' Other or '7' None, HEDENRN = 0

BASCANY (EVER ENROLLED IN BASIC SKILLS PROGRAM B-7)

0 = No basic skills program   (B-7 equal No (2))
1 = Yes basic skills program   (B-7 equal Yes (1))

BASCONE (ENROLLED IN BASIC SKILLS PROGRAM IN THE LAST YEAR B-7 AND B-9)

        0 = No basic skills program in the last year
        1 = Yes, basic skills program within the last year

If B-7 equal '1' and B-9 A,B,C, or D = '1' or '2' BASCONE = 1
If B-7 equal '2' BASCONE = 0

BASCFIV (TAKEN BASIC SKILLS PROGRAM WITHIN THE PAST 5 YEARS B-7 AND B-9)

        0 = No basic skills program within the past 5 years
        1 = Yes, basic skills program within the past 5 years

If B-7 equal '1' and B-9 A,B,C, or D = '1','2' or '3' BASCONE = 1
If B-7 equal '2' BASCONE = 0

YRSLFEX (POTENTIAL YEARS OF LABOR MARKET EXPERIENCE AGE AND B-1)

YRSLFEX = Actual age - years of schooling - 5

years of schooling B-1	YRSLFEX
Still in high school	= 0
Less than high school	= grade specified, 8 if blank
Some high school	= grade specified, 11 if blank
GED/High school	= 12 years
High school graduate	= 12 years
Vocational, trade or business	= 13 years
College: less than two years	= 13 years
College: associate's degree	= 14 years
College: two years or more, no degree	= 15 years
College graduate	= 16 years
Postgraduate/No degree	= 17 years
Postgraduate/Degree	= 17 years
Don't Know	= blank
Omitted	= blank

POVLEVL (POVERTY LEVEL NUMBER OF HOUSEHOLD MEMBERS AND INCOME F-7)

0 = Not poor/near poor
1 = Poor/near poor

If number of household members is greater than zero and household income is not missing

Classified as poor/near poor

household size equal 1 and income less than $8665
household size equal 2 and income less than $11081
household size equal 3 and income less than $13575
household size equal 4 and income less than $17405
household size equal 5 and income less than $20570
household size equal 6 and income less than $23234
household size equal 7 and income less than $26322
household size equal 8 and income less than $29506
household size equal 9 and income less than $34927

All others classified as not poor/near poor

DERIVED VARIABLES FOR THE PRISON SAMPLE

DIB0801: Derived months in educational program

Derived from B-8 (months & years)
BIB0801 contains the responses to "How long ..."
BIB0802 contains the responses to "Specify ..."
but are in different units depending whether BIB0801
indicated months or years

DIB1101: Derived months in vocational program

Derived from B-11 (months & years)
BIB1101 contains the responses to "How long ..."
BIB1102 contains the responses to "Specify ..."
but are in different units depending whether BIB1101
indicated months or years

DIC0301: Derived years since arrest

Derived from C-3 (month and year arrested)
BIC0301 contains the responses to "Month"
BIC0302 contains the responses to "Year"
These two items were converted to a date value, subtracted
from the date value of the interview, and converted to
years with two decimal places.

DIC0401: Derived years since admission

Derived from C-4 (month and year of prison admission)
BIC0401 contains the responses to "Month"
BIC0402 contains the responses to "Year"

These two items were converted to a date value, subtracted
from the date value of the interview, and converted to
years with two decimal places.

DIC0601:   Derived times on probation as a juvenile

Derived from C-6, but C-5 could be used for improvement.
BIC0501 may indicate "never" on probation, and could be used to
fill in with valid data many of the blank elements that this
variable now fails to count as zero.
BIC0601 contains the responses to "How many times ..."
BIC0602 contains the responses to "Specify ..."

1 = None
2 = 1 time
3 = 2 times
4 = 3-5 times
5 = 6+ times
6 = I don't know

DIC0701:   Number of times on probation as an adult

Derived from C-7, but C-5 could be used for improvement.
BIC0501 may indicate "never" on probation, and could be used to
fill in with valid data many of the blank elements that this
variable now fails to count as zero.
BIC0701 contains the responses to "How many times ..."
BIC0702 contains the responses to "Specify ..."

1 = None
2 = 1 time
3 = 2 times
4 = 3-5 times
5 = 6+ times
6 = I don't know

DIC0901:   No. of times served as a juvenile

Derived from C-9, but C-8 could be used for improvement.
BIC0801 may indicate "never" served time, and could be used to
fill in with valid data many of the blank elements that this
variable now fails to count as zero.
BIC0901 contains the responses to "How many times ..."
BIC0902 contains the responses to "Specify ..."

1 = None
2 = 1 time
3 = 2 times
4 = 3-5 times
5 = 6+ times
6 = I don't know

DIC1001:   No. of times served as an adult

Derived from C-10, but C-8 could be used for improvement.
BIC0801 may indicate "never" served time, and could be used to

fill in with valid data many of the blank elements that this
variable now fails to count as zero.
BIC1001 contains the responses to "How many times ..."
BIC1002 contains the responses to "Specify ..."

1 = None
2 = 1 time
3 = 2 times
4 = 3-5 times
5 = 6+ times
6 = I don't know

DIC1201:   Derived years to release

Derived from C-12, but C-11 could be used for improvement.
BIC1101 may indicate that there is no release date, and could
be used to change what is now counted as valid data to a missing
value, since the release date is undefined for such prisoners.
BIC1201 contains the responses to "Month"
BIC1202 contains the responses to "Year"
The date value of the interview was subtracted from the date
value obtained by combining these two items, and then converting
the result to years with two decimal places.

OTHER = Valid responses

DIC1401:   Der. years to earliest possible release

Derived from C-14, but C-13 could be used for improvement.
BIC1301 may indicate that there is no possible release date, and
could be used to change what is now counted as valid data to a
missing value, since the possible release date is undefined for
such prisoners.
BIC1401 contains the responses to "Month"
BIC1402 contains the responses to "Year"
The date value of the interview was subtracted from the date
value obtained by combining these two items, and then converting
the result to years with two decimal places.

OTHER = Valid responses

DD03601:   Derived hours assigned to job last week

Derived from D-3
BD03601 contains a continuous version of this item.

1 = 0-19 hours
2 = 20-29 hours
3 = 30-39 hours
4 = 40 hours
5 = 41 + hours

DID0501:   Derived amount earned last month

Derived from D-5
BID0501 contains a continuous version of this item.

<div align="center">

1 = 1 - 19 dollars
2 = 20 - 29 dollars
3 = 30 - 39 dollars
4 = 40 - 59 dollars
5 = 60 + dollars

</div>

DID1001:   Derived number of months worked

Derived from D-10, but D-9 could be used for improvement.
DID0901 may indicate did not work for pay, and could be used to
fill in with a valid zero many of the zero elements that this
variable now considers to be missing.
BID1001 contains the responses to "How many months ..."
BID1002 contains the responses to "Specify ..."

RECODING OF DERIVED VARIABLES AND RE-RELEASE OF NEW NALS DATA FILES AND ELECTRONIC CODEBOOK

A careful review of the released dataset uncovered some minor problems with the coding of some of the derived variables. To remedy this situation, the problematic variables were recoded to reflect a more accurate definition. As a result of this recoding, the 3 data files, household, prisoner, and non-incentive, were re-issued so as to reflect these coding changes. Below we provide a list of all derived variables that were recoded in 1999 in each of the three datasets. Detailed documentation on how these variables were recoded is included in the new release of the electronic codebook (version 3) under each variable's description. Variables not rederived in version 3 maintain the same derivatives as in version 2.

<div align="center">

Household dataset:

</div>

DAGE	derived age in years as of September 1, 1992
DRACE	derived race/ethnicity
DCBIRTH	derived country of birth
DAGEARR	age of arrival in the US
DLANGRW	derived language first learned to read/write
DBILING	derived bilingual orality
DBILIT	derived biliteracy ability
DLINGL	derived English orality (19a_b)
DLITER	derived English literacy (17c_d)
DBUSIND	derived business or industry code
DOCCUP	derived occupation codes
DWKSWRK	derived number of weeks worked last year
CLFSTAT	derived current labor force status
LABFRES	derived labor force reserves
HEDENRN	derived currently enrolled in higher education
POVLEVL	derived poverty level

Prison dataset:

DRACE	derived race/ethnicity
DCBIRTH	derived country of birth
DAGEARR	age of arrival in the US

<div align="center">

I-14

</div>

DLANGRW   derived language first learned to read/write
DBILING   derived bilingual orality
DBILIT   derived biliteracy ability
DLINGL   derived English orality (19a_b)
DLITER   derived English literacy (17c_d)
DIB0801   derived months in educational program
DIB1101   derived months in vocational program
DIC0301   derived years since arrest
DIC0401   derived years since admission
DIC0601   derived times on probation as a juvenile
DIC0701   number of times on probation as an adult
DIC0901   number of times served as a juvenile
DIC1001   number of times served as an adult
DIC1201   derived years to release
DIC1401   derived years to earliest possible release
DID1001   derived number of months worked

Non-incentive dataset:

DAGE   derived age in years as of September 1, 1992
DRACE   derived race/ethnicity
DCBIRTH   derived country of birth
DAGEARR   age of arrival in the US
DLANGRW   derived language first learned to read/write
DBILING   derived bilingual orality
DBILIT   derived biliteracy ability
DLINGL   derived English orality (19a_b)
DLITER   derived English literacy (17c_d)
DBUSIND   derived business or industry code
DOCCUP   derived occupation codes
DWKSWRK   derived number of weeks worked last year
CLFSTAT   derived current labor force status
LABFRES   derived labor force reserves
HEDENRN   derived currently enrolled in higher education

In addition, due to a change in the definition of bilingual and biliterate ability, two new variables reflecting the new definitions were created (DTBILNG and DTBILIT) for each of the three datasets and appended at the end of each re-released dataset.

Finally, it was discovered that the program codes generated by the electronic codebook for the non-incentive sample misread the position of the second records (starting with the variable SCOR100) by 34 columns. This problem has been resolved in the new version of the electronic codebook.

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
1		ARCHITECTS/SURVEYORS
	43	Architects
	63	Surveyors & mapping scientists
2		ENGINEERS
	44	Aerospace engineers
	45	MetALLurgical+materials engineers
	46	Mining engineers
	47	Petroleum engineers
	48	Chemical engineers
	49	Nuclear engineers
	53	Civil engineers
	54	Agricultural engineers
	55	Electrical & electronic engineers
	56	Industrial engineers
	57	Mechanical engineers
	58	Marine & naval architects
	59	Engineers, n.e.c.
3	ALL	MATH/COMP SCIENTISTS
	64	Computer systems analysts & scientists
	65	Ops & systems researchers & analysts
	66	Actuaries
	67	Statisticians
	68	Mathematical scientists, n.e.c.
4	ALL	NATURAL SCIENTISTS
	69	Physicists & astronomers
	73	Chemists, excpt biochemists
	75	Geologists & geodesists
	76	Physical scientists, n.e.c.
	77	Agricultural & food scientists
	78	Biological & life scientists
	79	Forestry & conservation scientists
	83	Medical scientists
5	ALL	REGISTERED NURSES
	95	Registered nurses
6	ALL	HEALTH DIAGNOSTICS
	84	Physicians
	85	Dentists
	86	Veterinarians
	87	Optometrists
	88	Podiatrists
	89	Health diagnosing practitioners, n.e.c.

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
7	ALL	OTHER HEALTH RELATED
	96	Pharmacists
	97	Dieticians
	98	Respiratory therapists
	99	Occupational therapists
	103	Physical therapists
	104	Speech therapists
	105	Therapists, n.e.c.
	106	Physicians assistants, n.e.c.
8	ALL	ACCOUNTANTS/AUDITORS
	23	Accountants & auditors
9	ALL	PUBLIC SECT EX.& MAN
	3	Legislators
	4	Chief execs & genl admins, pub admin
	5	Admins+Offcls, Public admin
	6	Administrators, protective service
	14	Admins: education & related fields
10	ALL	PRIVAT SECT EX.& MAN
	7	Financial managers
	8	Personnel & labor relations managers
	9	Purchasing managers
	13	Managers: mkting, advertising, pub rels
	15	Managers: medicine & health
	17	Managers: food service & lodging
	18	Managers: properties & real estate
	21	Managers: service organizations, nec
	22	Managers & administrators, n.e.c.
11	ALL	OTHER MANAGEMENT
	16	Postmasters & mail superintendents
	19	Funeral directors
	24	Underwriters
	25	Other financial officers
	26	Management analysts
	27	Personnel, training & labor rels specs
	28	Purchasing agents & buyers, farm prods
	29	Buyers, wholesale & retail, excpt farm
	33	Purchasing agents & buyers, n.e.c.
	34	Business & promotion agents
	35	Construction inspectors
	36	Inspectrs+complnce offcrs,excpt const
	37	Management related occs, n.e.c.

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
12	ALL	TEACHERS
	113	Earth, environ, & marine sci teachers
	114	Biological science teachers
	115	Chemistry teachers
	116	Physics teachers
	117	Natural science teachers, n.e.c.
	118	Psychology teachers
	119	Economics teachers
	123	History teachers
	124	Political science teachers
	125	Sociology teachers
	126	Social science teachers, n.e.c.
	127	Engineering teachers
	128	Mathematical science teachers
	129	Computer science teachers
	133	Medical science teachers
	134	Health specialties teachers
	135	Business, commerce, & marketing teacher
	136	Agriculture & forestry teachers
	137	Art, drama & music teachers
	138	Physical education teachers
	139	Education teachers
	143	English teachers
	144	Foreign language teachers
	145	Law teachers
	146	Social work teachers
	147	Theology teachers
	148	Trade & industrial teachers
	153	Teachers, postsecondary, n.e.c.
	154	Postsecondary teachers, subj unspecifie
	155	Teachers, prekindergarten & kindergarte
	156	Teachers, elementary school
	157	Teachers, secondary school
	158	Teachers, special education
	159	Teachers, n.e.c.
13	ALL	OTHER PROFESSIONALS
	163	Counselors, educational & vocational
	164	Librarians
	165	Archivists & curators
	166	Economists
	167	Psychologists
	169	Social scientists, n.e.c.
	173	Urban planners
	174	Social workers
	175	Recreation workers
	176	Clergy
	177	Religious workers, n.e.c.

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	178	Lawyers
	179	Judges
	183	Authors
	184	Technical writers
	185	Designers
	186	Musicians & composers
	187	Actors & directors
	188	Paintrs sculptrs craftrs & art prntmkrs
	189	Photographers
	193	Dancers
	194	Artists, performers & rel wrkrs, n.e.c.
	195	Editors & reporters
	197	Public relations specialists
	198	Announcers
	199	Athletes
14	ALL	ENGINEERING TECHNIC.
	213	Electrical & electronic technicians
	214	Industrial engineering technicians
	215	Mechanical engineering technicians
	216	Engineering technicians, n.e.c.
	217	Drafting occupations
	218	Surveying & mapping technicians
15	ALL	HEALTH TECHNICIANS
	203	Clin laboratory technolgsts & technicn
	204	Dental hygienists
	205	Health record technolgsts & technicn
	206	Radiologic technicians
	207	Licensed practical nurses
	208	Health technolgsts & technicns, nec
16	ALL	SCIENCE TECHNICIANS
	223	Biological technicians
	224	Chemical technicians
	225	Science technicians, n.e.c.
17	ALL	OTHER TECHNICIANS
	226	Airplane pilots & navigators
	227	Air traffic controllers
	228	Broadcast equipment operators
	229	Computer programmers
	233	Tool programmers, numer cntl
	234	Legal assistants
	235	Technicians, n.e.c.
18	ALL	SALES REPRESENTATIVE
	253	Insurance sales occupations

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	254	Real estate sales occupations
	255	Securities & financl servs sales occups
	256	Advertising & related sales occups
	257	Sales occuptns, other business servcs
	258	Sales engineers
	259	Sales reps: mining, mfg & wholesale
19	ALL	SALES SUPERV.& PROPR
	243	Supervisors & prop, sales occupations
20	ALL	OTHER SALES RELATED
	263	Sales workers: motor vehicle & boats
	264	Sales workers: apparel
	265	Sales workers: shoes
	266	Sales workers: furniture, home furnshng
	267	Sales workers: radio, TV, hifi & applnc
	268	Sales workers: hardware, buildng supply
	269	Sales workers: parts
	274	Sales workers: other commodities
	275	Sales counter clerks
	276	Cashiers
	277	Street & door-to-door sales workers
	278	News vendors
	283	Demonstrators, promotrs & models: sales
	284	Auctioneers
	285	Sales support occupations, n.e.c.
21	ALL	ADJUSTORS AND INVEST
	375	Insurance adjustr, examiner & investgtr
	376	Investigatrs & adjustrs, exc. insurance
	377	Eligibility clerks, social welfare
	378	Bill & account collectors
22	ALL	COMPUTER EQUIP OPER.
	308	Computer operators
	309	Peripheral equipment operations
23	316	INFORMATION CLERKS
	317	Hotel clerks
	318	Transport ticket & reservation agents
	319	Receptionists
	323	Information clerks, n.e.c.
24	ALL	SECRETARIES
	313	Secretaries
25	ALL	STENOGR/TYPISTS
	314	Stenographers

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	315	Typists
26	ALL	SUPERVISORS
	303	Supervisors: general office
	304	Supervisors: computer eqpmt operators
	305	Supervisors: financial records processg
	306	Chief communications operators
	307	Supervisors: distrib, sched, adj clerks
27	ALL	OTHER ADMIN. SUPPORT
	326	Correspondence clerks
	327	Order clerks
	328	Personnel clerks, excpt payroll+timekep
	329	Library clerks
	335	File clerks
	336	Records clerks
	337	Bookkeepers, acctng & auditing clerks
	338	Payroll & timekeeping clerks
	339	Billing clerks
	343	Cost & rate clerks
	344	Billing, posting & calc machine operatr
	345	Duplicating machine operators
	346	Mail preparing & paper handling mach op
	347	Office machine operators, n.e.c.
	348	Telephone operators
	353	Communications equipment operators
	354	Postal clerks, exc. postal service
	355	Mail carriers, postal service
	356	Mail clerks, exc. postal service
	357	Messengers
	359	Dispatchers
	363	Production coordinators
	364	Traffic, shipping & receiving clerks
	365	Stock & inventory clerks
	366	Meter readers
	368	Weighers, measurers, checkers, samplers
	373	Expediters
	374	Material record, sched & distrib clerks
	379	General office clerks
	383	Bank tellers
	384	Proofreaders
	385	Data-entry keyers
	386	Statistical clerks
	387	Teachers aides
	389	Administrative support occs, n.e.c.
28	ALL	CONSTRUCTION CRAFTS
	553	Supervisors: brickmasn, stonemsn & tile

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	554	Supervisors: carpenters & reltd workers
	555	Supervrs: electrcns & powr transm instl
	556	Supervrs: paintrs, pprhangers, plasters
	557	Supervrs: plumbrs, pipefttrs, steamftrs
	558	Supervisors: construction, n.e.c.
	563	Brickmasons & stonemasons
	565	Tile setters, hard & soft
	566	Carpet instALLers
	567	Carpenters
	569	Carpenter apprentices
	573	DrywALL instALLers
	575	Electricians
	576	Electrician apprentices
	577	Electrical power instALLers & repairers
	579	Painters, construction & maintenance
	583	Paperhangers
	584	Plasterers
	585	Plumbers, pipefitters & steamfitters
	587	Plumber, pipeftr & steamftr apprentices
	588	Concrete & terrazzo finishers
	589	Glaziers
	593	Insulation workers
	594	Paving, surfacing & tamping equip opers
	595	Roofers
	596	Sheetmetal duct instALLers
	597	Structural metal workers
	598	Drillers, earth
	599	Construction trades, n.e.c.
29	ALL	OTH CRAFT/PREC.PROD
	503	Supervisors: mechanics & repairers
	505	Automobile mechanics
	507	Bus, truck, stationary engine mechanics
	508	Aircraft engine mechanics
	509	SmALL engine repairers
	514	Automobile body & related repairers
	515	Aircraft mechanics, exc. engine
	516	Heavy equipment mechanics
	517	Farm equipment mechanics
	518	Industrial machinery repairers
	519	Machinery maintenance occupations
	523	Electronic repairers, comm & indus eqpt
	525	Data processing equipment repairers
	526	Household appliance & power tool repair
	527	Telephone line instALLers & repairers
	529	Telephone instALLers & repairers
	533	Misc electrc+electronc equipt repairers
	534	Heating, a/c, & refrigeration mechanics

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	535	Camera, watch & musical instrmnt repair
	536	Locksmith & safe repairers
	538	Office machine repairers
	539	Mechanical controls & valve repairers
	543	Elevator instALLers & repairers
	544	Millwrights
	547	Specified mechanics & repairers, n.e.c.
	549	Not specified mechanics & repairers
	613	Supervisors: extractive occupations
	614	Drillers, oil well
	615	Explosives workers
	616	Mining machine operatives
	617	Mining occupations, n.e.c.
	628	Supervisors: production occupations
	634	Tool & die makers
	635	Tool & die maker apprentices
	636	Precision assemblers, metal
	637	Machinists
	639	Machinist apprentices
	643	Boilermakers
	644	Precisn grindrs, filrs & tool sharpenrs
	645	Patternmakers & model makers, metal
	646	Lay-out workers
	647	Precious stone & metals workers (Jewel)
	649	Engravers, metal
	653	Sheet metal workers
	657	Cabinet makers & bench carpenters
	658	Furniture & wood finishers
	666	Dressmakers
	667	Tailors
	668	Upholsterers
	669	Shoe repairers
	674	Misc precision apparel & fabric workers
	675	Hand molders & shapers, exc jewelers
	677	Optical goods workers
	678	Dental lab & medical appliance technicn
	679	Bookbinders
	683	Electrical & electronic equip assembler
	684	Misc precision workers, n.e.c.
	686	Butchers & meat cutters
	687	Bakers
	688	Food batchmakers
	689	Inspectors, testers & graders
	693	Adjusters & calibrators
	694	Water & sewage treatment plant operatrs
	695	Power plant operators
	696	Stationary engineers
	699	Misc plant & system operators

30	ALL	TRANSPORT OPERATIVE
	803	Supervisors: motor vehicle operators
	804	Truck drivers
	806	Driver-sales workers
	808	Bus drivers
	809	Taxicab drivers & chauffeurs
	813	Parking lot attendants
	814	Motor transportation occupations, n.e.c
	823	Railroad conductors & yardmasters
	824	Locomotive operating occupations
	825	Railroad brake, signal & switch opers
	826	Rail vehicle operators, n.e.c.
	828	Ship captains & mates, exc fishng boats
	829	Sailors & deckhands
	833	Marine engineers
	843	Supervisors: material moving equipment
	844	Operating engineers
	848	Hoist & winch operators
	849	Crane & towing operators
	853	Excavating & loading machine operators
	855	Grader, dozer & scraper operators
	856	Industrial truck & tractor equip opers
	859	Misc material moving equip operators
31	ALL	FABRIC/ASSEM/INSPECT
	783	Welders & cutters
	784	Solderers & brazers
	785	Assemblers
	786	Hand cutting & trimming occupations
	787	Hand molding, casting & forming occups
	789	Hand painting, coating & decoratng occs
	793	Hand engraving & printing occupations
	795	Misc hand working occupations
	796	Productn inspectrs, checkrs & examinrs
	797	Production testers
	798	Production samplers & weighers
	799	Graders & sorters, exc agricultural
32	ALL	OTHER ASSEM/OPER/FAB
	703	Lathe & turning machine set-up operatrs
	704	Lathe & turning machine operators
	706	Punching & stamping press machine opers
	707	Rolling machine operators
	708	Drilling & boring machine operators
	709	Grindg, abradg, buffg & polishg mach op
	713	Forging machine operators
	715	Misc mtal, plastc, stone, glass work op

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	717	Fabricating machine operators, n.e.c.
	719	Molding & casting machine operators
	723	Metal plating machine operators
	724	Heat treating equipment operators
	725	Misc metal & plastic processng machn op
	726	Wood lathe, routing & planing machn ops
	727	Sawing machine operators
	728	Shaping & joining machine operators
	733	Misc woodworking machine operators
	734	Printing press operators
	735	Photoengravers & lithographers
	736	Typesetters & compositors
	737	Misc printing machine operators
	738	Winding & twisting machine operators
	739	Knittng, loopng, tapng & weavng mach op
	743	Textile cutting machine operators
	744	Textile sewing machine operators
	745	Shoe machine operators
	747	Pressing machine operators
	748	Laundering & dry cleaning machine opers
	749	Misc textile machine operators
	753	Cementing & gluing machine operators
	754	Packaging & filling machine operators
	755	Extruding & forming machine operators
	756	Mixing & blending machine operators
	757	Separatg, filterg & clarifyg mach opers
	758	Compressing & compacting mach operators
	759	Painting & paint spraying machine opers
	763	Roasting & baking machn operators, food
	764	Washing, cleaning & pickling mach opers
	765	Folding machine operators
	766	Furnace, kiln & oven operatrs, exc food
	768	Crushing & grinding machine operators
	769	Slicing & cutting machine operators
	773	Motion picture projectionists
	774	Photographic process machine operators
	777	Miscellaneous machine operatrs, n.e.c.
	779	Machine operators, not specified
33	ALL	CLEAN EQUIP.HNDL/LAB
	864	Supervrs: handlrs, eqpm cleanrs, labors
	865	Helpers: mechanics & repairers
	866	Helpers: construction trades
	869	Construction laborers
	874	Production helpers
	875	Garbage collectors
	876	Stevedores
	877	Stock handlers & baggers

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	878	Machine feeders & offbearers
	883	Freight, stock & material handlers, nec
	885	Garage & service station related occups
	887	Vehicle washers & equipment cleaners
	888	Hand packers & packagers
	889	Laborers, except construction
34	ALL	PERSONAL SERVICE OCC
	456	Supervisors: personal service occupatns
	457	Barbers
	458	Hairdressers & cosmetologists
	459	Attendants, amusement & recreatn facils
	461	Guides
	462	Ushers
	463	Public transportation attendants
	464	Baggage porters & bellhops
	465	Welfare service aides
	466	Family child care providers
	467	Early childhood teachers assistants
	468	Child care workers, n.e.c.
	469	Personal service occupations, n.e.c.
35	ALL	PUBLIC SAFETY
	413	Supervisors: fire & fire prevntn occs
	414	Supervisors: police & detectives
	415	Supervisors: guards
	416	Fire inspection & prevention occs
	417	Firefighting occupations
	418	Police & detectives, public servant
	423	Sheriffs, bailiffs & othr law enforcmnt
	424	Correctional institution officers
36	ALL	HEALTH SERVICES
	445	Dental assistants
	446	Health aides, exc. nursing
	447	Nursing aides, orderlies & attendants
37	ALL	OTHER SERVICES
	404	Cooks, private household
	405	Housekeepers & butlers
	406	Child care workers, private household
	407	Private household cleaners & servants
	425	Crossing guards
	426	Guards & police, exc. public service
	427	Protective service occs, n.e.c.
	433	Supervisors: food prep & service occpns
	434	Bartenders
	435	Waiters & waitresses

2-DIG OCCP	3-DIG OCCP	DERIVED OCCUPATION CODES (DOCCUP) & Detailed Census occupations (BLD1001)
	436	Cooks
	438	Food counter, fountain & related occpns
	439	Kitchen workers, food preparation
	443	Assistants to waiters/waitresses
	444	Miscellaneous food preparation occuptns
	448	Supervisors: cleaning & bldg servc
	449	Maids & housemen
	453	Janitors & cleaners
	454	Elevator operators
	455	Pest control occupations
38	ALL	MANAGER/OPERATORS
	473	Farmers, exc. horticultural
	474	Horticultural specialty farmers
	475	Managers: farms, exc. horticultural
	476	Managers: horticultural specialty farms
	494	Supervisors: forestry & logging workers
	497	Captains & othr officers, fishing vessl
39	ALL	OTHER FARM/FISH/HUNT
	477	Supervisors: farm workers
	479	Farm workers
	484	Nursery workers
	485	Supervisors: related agricultural occs
	486	Groundskeepers & gardeners, exc. farm
	487	Animal caretakers, except farm
	488	Graders & sorters, agricultural prods
	489	Inspectors, agricultural products
	495	Forestry workers, except logging
	496	Timber cutting & logging occupations
	498	Fishers
40	ALL	MILITARY
	903	Commissioned officers & warrant officrs
	904	Non-commissioned offcrs & othr enlisted
	905	Military occupation, rank not specified
41	ALL	{MISSING}
	999	{DOES NOT APPLY}
42	ALL	NOT WORKED PAST 3 YR
	999	{DOES NOT APPLY}
43	ALL	NEVER WORKED

Appendix J

SPECIAL CODES FOR CONTINUOUS VARIABLES

Appendix J: Special Codes for Continuous Variables
NATIONAL ADULT LITERACY SURVEY

J.1 INTRODUCTION

This appendix lists special codes and their meanings for continuous variables and noncognitive items in Blocks ID, WT and BQ. Continuous variables and items that are not shown here do not have special codes associated with them. For discrete variables and items, labels for all values can be found in the data set codebooks. The codes for background questionnaire item BLA0102, "Country of Birth," are provided in Appendix K; that item was designated continuous because the discrete numerical data included a large number of valid responses which could not be listed in the codebooks.

Special codes that apply to variables and items in all samples are listed in Section J.2; special codes for variables and items which are found only in the Prison sample are presented in Section J.3.

J.2 SPECIAL CODES FOR CONTINUOUS FIELDS APPEARING IN ALL SAMPLES

Field Name	Special Code	Description
BQTIME	999	Missing
EXTIME	999	Missing
DAGEARR	0	Missing
DWEEKWG	0	Missing
DWKYRWG	0	Missing
BLA0102	0	Missing, Skipped In Error
	99	Missing
BLD0301	77777	Respondent Refused
	88888	Missing
	99999	Could Not Be Computed
BLD0801	77777	Respondent Refused
	88888	Missing
	99999	Could Not Be Computed
BLD0901	999	Missing
BLD1001	999	Missing
BD07502	77	Year of Birth Omitted

Note: If the entire date of birth question had no response,
Month of Birth (BD07501), Day of Birth (BLF1201) and
*BD07502 are **all** coded "00."*

J.3   SPECIAL CODES FOR CONTINUOUS FIELDS THAT APPEAR ONLY IN THE PRISON SAMPLE

Field Name	Special Code	Description
DIB0801	0	Missing
DIB1101	0	Missing
DID1001	0	Missing
BIB0802	99	Missing
BIC0302	0	Missing
BIC0402	0	Missing
BIC0602	0	Missing
BIC0902	0	Missing
BIC1002	0	Missing
BIC1202	1991	Missing
BIC1402	1991	Missing
BD03601	888	Don't Know, Not Specified
	999	Missing, Skipped In Error
BID0501	77777	Respondent Refused
	88888	Missing
	99999	Could Not Be Computed
BID1002	888	Don't Know
	999	Missing

Appendix K

COUNTRY OF BIRTH CODES

Appendix K: Country of Birth Codes
NATIONAL ADULT LITERACY SURVEY

Table K-1 provides information about the valid data values and their associated labels for background questionnaire item A-1, Country of Birth (field name BLA0102).

Table K-1. Country codes

01 Argentina	19 Egypt	37 Italy	55 Saudi Arabia
02 Australia	20 El Salvador	38 Jamaica	56 Scotland
03 Austria	21 England	39 Japan	57 South Africa
04 Bahamas	22 Finland	40 Korea	58 Spain
05 Belgium	23 France	41 Mexico	59 Sweden
06 Bermuda	24 Germany	42 Netherlands	60 Switzerland
07 Bolivia	25 Greece	43 New Zealand	61 Taiwan (China)
08 Brazil	26 Guam	44 Nicaragua	62 Thailand
09 Bulgaria	27 Guatemala	45 Nigeria	63 Turkey
10 Canada	28 Haiti	46 Norway	64 Utd. Arab Emir.
11 Chile	29 Honduras	47 Pakistan	65 Uruguay
12 Colombia	30 Hong Kong	48 Panama	66 Venezuela
13 Costa Rica	31 Hungary	49 Peru	67 Vietnam
14 Cuba	32 India	50 Philippines	68 Virgin Islands
15 Czechoslovakia	33 Indonesia	51 Poland	69 Yugoslavia
16 Denmark	34 Iran	52 Portugal	70 United States
17 Dominican Rep.	35 Ireland	53 Puerto Rico	
18 Ecuador	36 Israel	54 Russia	71 Other

00 Skipped in Error *[No territory or country code was specified in BLA0102, although BLA0101 was coded "2" (U.S. Territory) or "3" (Other Country).]*

Appendix L

NOTES ON SCORING

Appendix L: Notes on Scoring
NATIONAL ADULT LITERACY SURVEY

L.1 INTRODUCTION

This appendix provides information about scoring. Four topics are covered: 1) the scoring for five cognitive items for which scoring keys could not be provided; 2) the reasons four cognitive items were omitted from scaling; 3) the method by which items were scored Right, Wrong, Omitted and Not Reached for input to the computer programs used for scaling; and 4) a table of exceptions to the general item scoring method, with information about the method applied to each exceptional item.

L.2 SCORING FOR CERTAIN COGNITIVE ITEMS

For five cognitive items (AB60502, AB60503, AB70801, AB70802, and N120801), scoring keys are not provided, as the scoring could not be expressed as a correct value or range of values. Items AB60502 and AB60503 were scored together as a single item; AB70801 and AB70802 were also scored jointly. Scoring for N120801 simply could not be expressed as a range of values. Details on the scoring of each of these items are presented below. Refer to the codebooks for information about data values which occurred for the individual items.

AB60502 and AB60503	These items were scored jointly to produce a single score for input to the computer programs used for scaling. The combined scoring method was as follows:
	If the respondent scored "**1**" on **either or both** items, the score was **Right**; a "**2**" on **both** items was **Wrong**.
	Note: For all respondents, scores of "I Don't Know" (7), "Omitted" (8), and "Not Reached" (9), when given, applied to both items. See Section L.4 for scoring information about these categories.
AB70801 and AB70802	These items were scored jointly to produce a single score for input to the computer programs used for scaling. The combined scoring method was as follows:
	If the respondent scored "**1**," "**2**," "**3**," "**4**," "**5**," or "**6**" on AB70801, the score was **Right**; if not, a score of "**1**," 2," "**3**," "**4**," "**5**," or "**6**" on AB70802 was **Wrong**; otherwise, a "**0**" on **both** was **Omit**; also, an "**8**" (Newspaper Missing) on **both** was **Not Reached**, and a "**99**" **on AB70801** was **Not Reached**.
	Note: Respondents with "I Don't Know" (77) or "Newspaper Missing" (8) scores received them for both items. The general scoring method for "I Don't Know," described in Section L.4, applies to this item.
N120801	The values "1" and "3" are the correct keys for this item.

L.3   COGNITIVE ITEMS OMITTED FROM SCALING

IRT scaling parameters are not given for four cognitive items, AB40904, AB60503, AB70105 and AB70802. The reasons these items were omitted from scaling are provided below.

AB40904   This item was considered to measure a secondary trait, because a correct score on this item was dependent upon having received a correct score to the previous question, AB40901.

AB60503   This item was scored jointly with AB60502 to produce a single score for input to the scaling programs. The IRT parameters for the joint "item" are listed with item AB60502.

AB70105   Due to a poor fit with the IRT model, this item was excluded from calibration.

AB70802   This item was scored jointly with AB70801 to produce a single score for input to the scaling programs. The IRT parameters for the joint "item" are listed with item AB70801.

L.4   ITEM SCORING FOR SCALING PURPOSES -- GENERAL METHOD

For input to the computer programs used for IRT scaling, all possible item responses are assigned to one of four categories: Wrong (0), Right (1), Omitted (2), or Not Reached (3). This section explains the method applied to most of the NALS cognitive items to convert individual item data values to these four categories. Section L.5 contains information about exceptions to this general method.

Refer to the codebooks for the data values possible for each individual cognitive item.

The correct key(s) for the item were considered **Right** (1).

Nonresponses *which are followed by valid responses to other items in the same block (section)* were considered **Omitted** (2). In the public-use files and in the codebooks, these nonresponses are designated by the special codes for "Omitted."

Nonresponses *which occur **after** the last item in a block (section) with a valid response* were considered **Not Reached** (3). In the public-use files and in the codebooks, these nonresponses are designated by the special codes for "Not Reached."

Multiple responses were considered **Wrong** (0).

"I Don't Know" responses were considered **Wrong** (0).

All other responses were considered **Wrong** (0).

L.5 ITEM SCORING FOR SCALING PURPOSES -- SPECIAL CASES

For some items, the scoring for scaling purposes was more complex than the method described in Section L.4. In some cases, an item's potential data values could include values with meanings such as "Illegible," "Off Task," "Incomprehensible," or "Newspaper Missing." The numerical value associated with these categories varied from item to item; as an aid to the user, the associated scoring category for each of these data values is listed individually for each item in Table L-1.

In other cases, items which had been administered in earlier literacy surveys were scored for scaling as they had been scaled previously, in order to make trend comparisons possible. All items that had to be scored by a method other than that described in Section L.4 are listed in Table L-1. The table shows to which of the four scoring categories each valid response to an item would be assigned. **Boldface** item responses in Table L-1 may be considered exceptions to the general method.

Table L-1. Exceptions to general scoring method for scaling

Item Field Name	Right (1)	Wrong (0)	Omitted (2)	Not Reached (3)
AB21101	1	2, 7	8	**3**, 9
AB21201	1	2, 7	8	**3**, 9
AB30501	1	2, 7	8	**3**, 9
AB30601	2, 3, 4	1, **7**	**77**, 88	99
AB31201	2, 3	1, **7**, **8**	**77**, 88	99
AB40901	1	2, **6**, 7	8	**3**, 9
AB40904	0, 1, 2, 3, 4, 5	**6**	8	9
AB50101	1	2, 7	8	**3**, 9
AB50301	2, 3	1, **7**	**77**, 88	99
AB60201	2, 3, 4	1, **7**, **8**	**77**, 88	99
AB60502, AB60503	*These items were combined for scoring. See Section L.2 for details.*			
AB60601	1	2, 7	8	**3**, 9
AB70104	1	2	**7**, 8	9
AB70105	1	2	**7**, 8	9
AB70801, AB70802	*These items were combined for scoring. See Section L.2 for details.*			

Table L-1. Exceptions to general scoring method for scaling — Continued

Item Field Name	Right (1)	Wrong (0)	Omitted (2)	Not Reached (3)
AB71201	1	2, 7	8	**3**, 9
N081001	1, 2	3, 4, 7	8	**5**, 9
N090601	1	2, 7	8	**3**, 9
N090701	1	2, 7	8	**3**, 9
N090801	1	2, 7	8	**3**, 9
N090901	1	2, 3, 4, 5, 7	8	**6**, 9
N091001	1	2, 3, 4, 5, 6, **7**, 77	88	**8**, 99
N110302	1	2, 3, 7	**4**, 8	9
N110303	1, 2	3, 4, 7	**5**, 8	9
N120901	1	2, 7	8	**3**, 9
N121001	1	2, 7	8	**3**, 9
N121101	1, 2	3, 7	8	**4**, 9
N130101	1	2, 3, **8**, 77	**4**, 88	99
N130102	1	2, **8**, 77	**3**, 88	99
N130103	1	2, 3, **8**, 77	**4**, 88	99
N130104	1	2, 3, **8**, 77	**4**, 88	99

Appendix M

NOTES ON VARIABLES

Appendix M: Notes on Variables
NATIONAL ADULT LITERACY SURVEY

M.1   INTRODUCTION

This appendix provides sample-specific information for the users of certain variables. It is divided into sections for each sample.

M.2   MAIN (HOUSEHOLD) SAMPLE

The Taylor Series Linearization Variance Stratum and Paired Sampling Unit identifiers (TSLVSTR and TSLVPSU) can be used to estimate standard errors using a Taylor Series Linearization package such as SUDAAN. **CAUTION:** When using SUDAAN to produce standard errors for an individual state, *the user should process the entire file and specify the state in a SUBPOPN statement*, rather than processing a separate analysis file containing records for that state alone. This procedure is necessary because in some instances the National PSU sample design disregarded state boundaries in its stratification scheme.

M.3   PRISON SAMPLE

For the Taylor Series Linearization Variance Paired Sampling Unit identifier (TSLVPSU), "3" is a valid number for this sample.

M.4   NON-INCENTIVE SAMPLE

Some continuous variables in Block WT of the Non-incentive sample are provided in a different format than variables with the same names that appear in other samples. The user should note that the Person Base Weight (BASEWT), Step 1 and 2 Raking Factors (S1RAKFC and S2RAKFC), Final Weight (WEIGHT), and the sixty replicate weights (REPL01 - REPL60) have a field width of 11 in the Non-incentive sample data file. For other samples, these variables have a field width of 10. The number of implicit decimal places (4) is unchanged, however.

Appendix N

IMPACT OF TREATMENT ON DISTRIBUTION OF SCALE SCORES

Appendix N: Impact of Treatment on Distribution of Scale Scores
NATIONAL ADULT LITERACY SURVEY
by Andrew Kolstad, National Center for Education Statistics

Combined with other background information, there is strong evidence to support the notion that nonresponse to the cognitive tasks was not a random occurrence. Procedures to incorporate proficiency values for nonresponding individuals were established based on the field study and were thus in place before the National Adult Literacy Survey data analyses were conducted. The selected procedure used self-reported reasons for nonresponse to assign wrong answers to all the missing cognitive responses of adults when the reasons were related to literacy skills. If the reasons were unrelated to literacy, then no wrong answers were assigned. After the wrong answers were (or were not) assigned to the cognitive tasks that were presented each adult, normal scaling procedures for creating plausible values were applied. The normal procedure uses statistical imputation to estimate plausible values, even in the absence of any cognitive data.

Table N-1 shows the average proficiency scores resulting from this procedure, based on the full-scale survey. Adults who completed the assessment had average proficiencies ranging from 279 to 285 on the three literacy scales. Because the missing responses of adults who were unable to complete the assessment for reasons related to literacy were treated as wrong answers, the average proficiency scores of these adults were considerably lower, ranging from 114 to 124. The proficiency scores of nearly all who were unable to complete the assessment were in the Level 1 range (below 225). Adults who stopped for other reasons or for unstated reasons had scores between those of the other two groups, ranging from 228 to 237. These adults were not found only in the lowest literacy level, but were distributed across the five levels.

Those who were assigned wrong answers did not score zero on the three scales. Zero is the score value given to wrong answers, but the resulting scale scores of those given wrong answers were from 114 to 124, depending on the scale. Zero has no intrinsic meaning on the adult literacy scales, since each was derived from a latent variable with a mean of zero and a variance of one, transformed by adding a constant and multiplying by a fixed factor in order to eliminate negative numbers and decimal points in the resulting scale.

Table N-1. Percentage and average proficiencies on each scale, by assessment completion status: Adults, 1992

Assessment completion status		Average proficiency		
	Percent	Prose literacy	Document literacy	Quantitative literacy
Total	100%	272	267	271
Completed assessment	88%	285	279	284
Did not completed assessment for literacy-related reasons	6%	124	116	114
Did not complete assessment for reasons unrelated to literacy	6%	237	228	231

N.1 The distribution of performance

The method chosen for placing those with incomplete cognitive data on the literacy scale takes many factors into account, and as a result does not put those with missing data into a single point along the scales. The distributions on each scale are shown in Exhibits N-1, N-2, and N-3. These distributions were generated from a 3000-case subsample of the 1992 data, selected with a probability inversely proportional to the case weight, thereby providing a self-weighting subsample. The method of sample selection also took into account the segment from which the respondents were selected, so that the average number of adults selected from each segment fell from 6.9 to 1.3, considerably reducing any possible impact of clustering on the findings. The distributions were generated using a nonparametric method for estimating a density function, and can be thought of as a smoothed histogram (SAS Institute, 1991). In effect, the fixed intervals of the histogram are replaced by a moving window of selected width, within which each observation is smoothed. Two densities are plotted for each scale: one for the complete data, and one for the data leaving out any cases with less than sufficient cognitive data (for any reason).

The area between the two curves represents the locations along the distributions where the partially or totally missing data appear. It is reassuring to note that the distributions are unimodal, and that the methods selected for treating the missing data did not assign all such cases to the same point along the literacy scales, and very few, if any, cases occurred at the zero point on the scales. Nevertheless, most of the cases with missing data occur in the bottom half of the distribution, so leaving out the cases with missing cognitive data would clearly have biased the findings of the survey in an upward direction.

Exhibit N-1. Prose literacy distribution of U.S. adults, with and without missing cognitive data
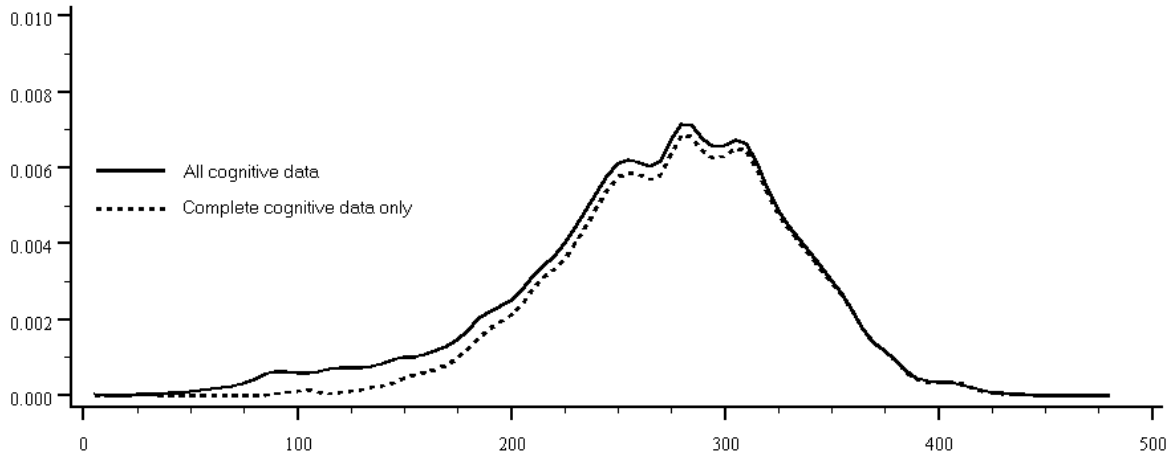
Exhibit N-2. Document literacy distribution of U.S. adults, with and without missing cognitive data
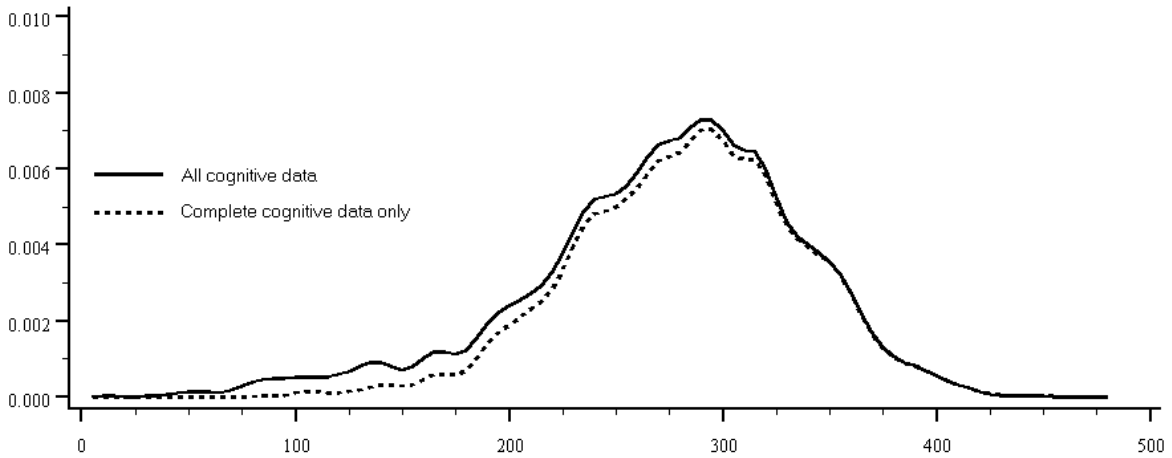
Exhibit N-3. Quantitative literacy distribution of U.S. adults, with and without missing cognitive data
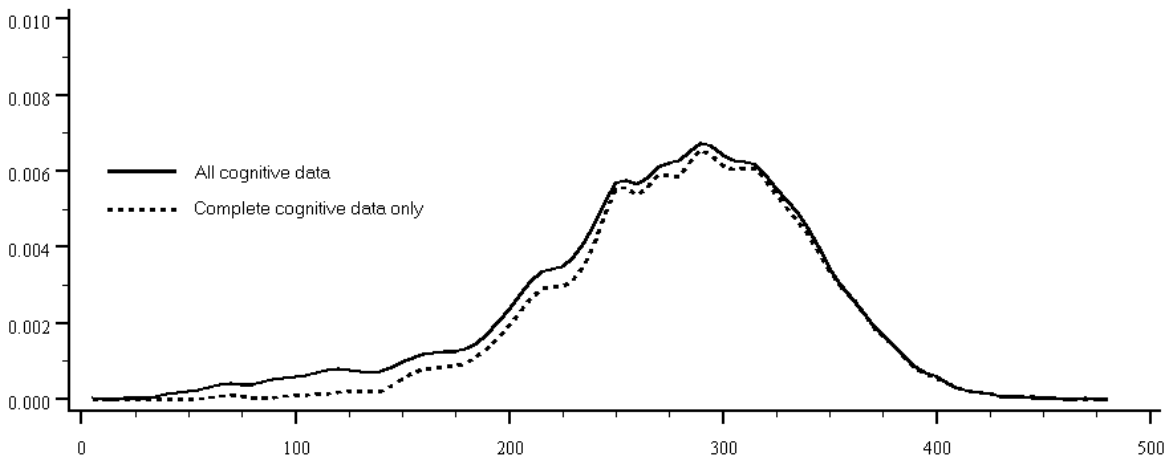
N.2 Performance in the lowest literacy level

Nearly all of those who were assigned wrong answers to tasks that had been left blank scored below 225 on the three scales (Level 1, the lowest of the five literacy levels). Some of those in Level 1 appear there through their own efforts, while others were helped to be there by the method used for treating missing cognitive data.

Table N-2 presents the percentages of adults who performed at least one task correctly and their average proficiencies on each scale. Most adults in Level 1 performed at least one literacy task correctly. On the prose literacy scale, 72 percent of adults in Level 1 performed at least one task correctly, as did 83 percent on the document scale and 66 percent on the quantitative scale. A small proportion of adults in Level 1 failed to perform correctly any literacy task. This group constituted 26 percent of adults on the prose literacy scale, 11 percent of adults on the document literacy scale, and 21 percent of adults on the quantitative literacy scale. Wide disparities in average proficiencies occurred between those who performed at least one task correctly and those who did not. The average proficiencies of these adults (94 on the document scale, 110 on the prose scale, and 113 on the quantitative scale) were considerably lower than those of adults who did succeed with at least one task, whose scores were 182 on the document scale and 190 on the prose and quantitative scales.

Some adults in Level 1 (6 to 8 percent) did not respond to any of the literacy tasks for reasons unrelated to their literacy skills or for unknown reasons. These persons could not be described as either meeting or failing to meet the demands of literacy tasks, so they are distinguished as a separate group. Their proficiencies were inferred from the performance of other adults with similar demographic backgrounds and fell in the middle range between the other two groups.

Table N-2. Percentage who performed at least one task correctly and average proficiency on each scale: Adults in Level 1, 1992

Performance on literacy tasks	Prose literacy		Document literacy		Quantitative literacy	
	Percent	Average proficiency	Percent	Average proficiency	Percent	Average proficiency
Total in Level 1	100%	173	100%	172	100%	167
At least one literacy task correct	72%	190	83%	182	66%	190
No literacy tasks Correct	21%	113	11%	94	26%	110
No literacy task data	7%	177	6%	177	8%	159

Nearly all adults who correctly responded to at least one literacy task also completed the assessment. Still, some adults broke off the assessment after already having shown some initial success. Table 8-8 divides adults in Level 1 into four groups by crossing two variables: those who did not with who were successful with at least one task and those who were not successful with any task, crossed with those who completed the assessment (at least five literacy tasks) and those who did not.

Table N-3. Percentage who performed at least one task or no tasks correctly and average proficiency on each scale by provision of sufficient cognitive data: Adults in Level 1, 1992

Completion of literacy tasks	Prose literacy		Document literacy		Quantitative literacy	
	Percent	Average proficiency	Percent	Average proficiency	Percent	Average proficiency
Total in Level 1 with at least one literacy task correct	100%	190	100%	182	100%	190
Provided sufficient cognitive data	87%	196	83%	192	90%	194
Did not provided sufficient cognitive data	13%	153	17%	132	10%	153
Total in Level 1 with no literacy tasks correct	100%	113	100%	94	100%	110
Provided sufficient cognitive data	14%	148	2%	-	14%	146
Did not provided sufficient cognitive data	86%	107	98%	93	86%	98

Across the scales, from 83 to 90 percent of those in Level 1 who correctly responded to at least one task also completed the assessment. Their average scores ranged from 192 to 196. The remainder (10 to 17 percent) performed at least one task correctly before breaking off the assessment. Their average scores were much lower, ranging from 132 to 153.

The population of adults who scored in Level 1 on each scale includes not only those who demonstrated the skills needed to succeed with at least some of the tasks in Level 1—who constituted the majority—but also those who were unable to succeed with any of the tasks in this level. Nearly all of those in Level 1 who failed to succeed with at least one literacy task also failed to complete the assessment, as shown in the following table. Most of these adults (from 86 to 98 percent) either did not start or broke off the assessment for literacy-related reasons, so that any literacy tasks that remained unanswered were treated as wrong answers. Their scores averaged from 93 to 107 across the scales.

Some respondents completed the assessment, yet failed to respond correctly to any literacy tasks (2 to 14 percent of those in Level 1). These individuals had scores that averaged 148 on the prose scale and 146 on the quantitative scale; too few cases were available to estimate an average score on the document scale.

The pattern of Level 1 proficiencies associated with various combinations of missing and incorrect answers show the consequences of including, rather than leaving out adults who were unable to complete the assessment for literacy-related reasons. In general, the very low scores of these individuals bring down the average for any group in which they are a significant component. Omitting these individuals from the assessment would have resulted in inflated estimates of the literacy skills of the adult population overall and particularly of certain populations.

Appendix O

**ESTIMATED COMPOSITE FACTORS FOR A SELECTED SET
OF DEMOGRAPHIC VARIABLES FOR ILLINOIS, INDIANA,
LOUISIANA, NEW JERSEY, NEW YORK, OHIO, PENNSYLVANIA,
TEXAS, AND WASHINGTON**

Appendix O: Estimated Composite Factors For a Selected Set of Demographic Variables for Illinois, Indiana, Louisiana, New Jersey, New York, Ohio, Pennsylvania, Texas, and Washington
NATIONAL ADULT LITERACY SURVEY

Table O-1. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in Illinois sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.5464	0.6411	0.3993	0.5710	0.7771	0.4620
	no	0.5441	0.5579	0.3956	0.5155	0.7481	0.4690
Gender							
Male	yes	0.5261	0.5355	0.4338	0.5785	0.7692	0.4419
	no	0.5115	0.5159	0.4316	0.5576	0.7818	0.4458
Female	yes	0.6939	0.5584	0.6607	0.7406	0.6359	0.5915
	no	0.6275	0.3878	0.6077	0.6847	0.5412	0.4836
Race/Ethnicity							
Black	yes	0.4681	0.4501	0.4996	0.2987	0.7064	0.2533
	no	0.5954	0.5715	0.6300	0.4091	0.7983	0.3666
Hispanic	yes	0.4572	0.5878	0.5665	0.8150	0.5676	0.4273
	no	0.1358	0.1829	0.1987	0.4118	0.1764	0.1222
Other	yes	0.7161	0.6489	0.4957	0.5865	0.8113	0.5974
	no	0.6445	0.5015	0.4087	0.4650	0.7299	0.5223
Education Level							
No HS degree	yes	0.6695	0.7686	0.7239	0.5581	0.6011	0.4673
	no	0.5657	0.6972	0.6725	0.4672	0.5066	0.3837
HS degree	yes	0.5728	0.4787	0.5841	0.6271	0.7432	0.5029
	no	0.5975	0.4390	0.5307	0.6061	0.7279	0.5495
Some college	yes	0.5436	0.6278	0.4127	0.6293	0.8168	0.5884
	no	0.5377	0.6090	0.4694	0.5945	0.7805	0.5699
College graduate	yes	0.4919	0.6718	0.6155	0.4793	0.6922	0.6104
	no	0.4320	0.6593	0.5531	0.4265	0.6665	0.5648
Age							
16 to 24 years	yes	0.5398	0.5100	0.6016	0.8138	0.5723	0.5422
	no	0.4249	0.3597	0.5184	0.7235	0.5088	0.5064
25 to 44 years	yes	0.4551	0.6861	0.4475	0.5318	0.7820	0.4593
	no	0.4627	0.6339	0.4448	0.4912	0.7700	0.4340
45 to 64 years	yes	0.5845	0.6562	0.6628	0.6718	0.6148	0.5796
	no	0.5641	0.5676	0.5574	0.5960	0.5273	0.5444
Country of Birth							
Not USA	yes	0.3770	0.5388	0.6225	0.8245	0.4339	0.3319
	no	0.1234	0.1997	0.2817	0.5057	0.1519	0.1078
USA	yes	0.6014	0.7062	0.4441	0.5519	0.7610	0.5469
	no	0.6227	0.6476	0.4457	0.5087	0.7354	0.5047

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-2. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in Illinois sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.4290	0.6861	0.6988	0.8946	0.8489	0.5364
	no	0.3930	0.6775	0.6683	0.8411	0.8175	0.5031
Gender							
Male	yes	0.5108	0.5965	0.6610	0.7680	0.6388	0.5300
	no	0.4477	0.5748	0.6226	0.7210	0.6251	0.5036
Female	yes	0.4633	0.7341	0.5312	0.7538	0.7811	0.5746
	no	0.4358	0.6702	0.5041	0.6844	0.7068	0.4570
Race/Ethnicity							
Black	yes	0.3925	0.5264	0.5123	0.4193	0.3105	0.2740
	no	0.5125	0.6423	0.6454	0.5375	0.4184	0.3890
Hispanic	yes	0.4332	0.5660	0.5604	0.6526	0.7372	0.3840
	no	0.1177	0.1792	0.1786	0.2362	0.3070	0.1072
Other	yes	0.5904	0.6874	0.7313	0.8563	0.8586	0.6751
	no	0.5253	0.6485	0.6618	0.7461	0.7929	0.5804
Education Level							
No HS degree	yes	0.5791	0.6635	0.7074	0.6076	0.5059	0.5137
	no	0.4608	0.5516	0.6135	0.5152	0.4102	0.4185
HS degree	yes	0.4638	0.5379	0.6224	0.6427	0.6378	0.5199
	no	0.4687	0.5422	0.5991	0.6314	0.6538	0.5602
Some college	yes	0.4313	0.7843	0.8861	0.7278	0.7936	0.5991
	no	0.3863	0.7491	0.8399	0.6776	0.7000	0.5407
College graduate	yes	0.5485	0.6465	0.4289	0.7870	0.7431	0.6471
	no	0.4989	0.5839	0.4275	0.7673	0.7392	0.6328
Age							
16 to 24 years	yes	0.6070	0.8713	0.8184	0.6641	0.6938	0.5346
	no	0.4895	0.7474	0.7523	0.5420	0.5964	0.4744
25 to 44 years	yes	0.2719	0.4667	0.5446	0.8482	0.8142	0.5297
	no	0.3039	0.5065	0.5647	0.8179	0.8091	0.4918
45 to 64 years	yes	0.6949	0.6495	0.6570	0.7280	0.8006	0.6816
	no	0.6155	0.6073	0.6083	0.6745	0.7514	0.6210
Country of Birth							
Not USA	yes	0.4573	0.5083	0.6151	0.7494	0.6692	0.4120
	no	0.1584	0.1772	0.2613	0.4115	0.3233	0.1445
USA	yes	0.4000	0.6094	0.6749	0.8565	0.8401	0.6156
	no	0.3925	0.6291	0.6510	0.7948	0.8088	0.5433

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-3. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in Illinois sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.3068	0.5788	0.6494	0.7088	0.7533	0.4386
	no	0.3402	0.5334	0.5642	0.6810	0.7282	0.4256
Gender							
Male	yes	0.4756	0.4434	0.6978	0.6905	0.6715	0.4060
	no	0.4563	0.4009	0.6575	0.6783	0.6880	0.3696
Female	yes	0.4973	0.8474	0.7255	0.7160	0.6886	0.5707
	no	0.4623	0.7830	0.6506	0.6620	0.5725	0.4676
Race/Ethnicity							
Black	yes	0.4519	0.4857	0.4256	0.4028	0.6921	0.2449
	no	0.5867	0.6074	0.5510	0.5248	0.7862	0.3645
Hispanic	yes	0.3776	0.6876	0.5199	0.6559	0.1936	0.3911
	no	0.0999	0.2711	0.1564	0.2465	0.0315	0.1083
Other	yes	0.5894	0.6199	0.6598	0.6981	0.7824	0.6761
	no	0.5670	0.5329	0.5089	0.6180	0.6927	0.5547
Education Level							
No HS degree	yes	0.3703	0.6443	0.4686	0.5407	0.4986	0.3966
	no	0.3197	0.4763	0.3997	0.4836	0.3850	0.3539
HS degree	yes	0.4596	0.5509	0.5104	0.5099	0.8620	0.4106
	no	0.5175	0.5921	0.4646	0.4932	0.8059	0.4728
Some college	yes	0.5083	0.4545	0.7222	0.8476	0.7199	0.5858
	no	0.4923	0.4340	0.6725	0.8190	0.6872	0.5129
College graduate	yes	0.3866	0.4967	0.5502	0.4051	0.6392	0.7269
	no	0.3426	0.4376	0.4768	0.4046	0.5911	0.6694
Age							
16 to 24 years	yes	0.5433	0.6593	0.5262	0.4458	0.6118	0.5689
	no	0.4865	0.5335	0.4297	0.3586	0.5525	0.5415
25 to 44 years	yes	0.3086	0.6166	0.6452	0.7891	0.7788	0.3889
	no	0.3678	0.6058	0.6162	0.7679	0.7651	0.3758
45 to 64 years	yes	0.6311	0.5077	0.6454	0.7771	0.6874	0.6445
	no	0.5629	0.4353	0.5420	0.7383	0.5751	0.5891
Country of Birth							
Not USA	yes	0.3971	0.3981	0.5244	0.8076	0.6418	0.4070
	no	0.1318	0.1287	0.1920	0.4857	0.2838	0.1389
USA	yes	0.4226	0.5962	0.7033	0.7182	0.7680	0.4995
	no	0.4307	0.5681	0.6425	0.7100	0.7516	0.4883

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-4. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in Indiana sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.6940	0.7012	0.5557	0.6744	0.8524	0.6322
Gender							
Male	yes	–	–	–	–	–	–
	no	0.6771	0.6950	0.6075	0.7229	0.8837	0.6137
Female	yes	–	–	–	–	–	–
	no	0.7480	0.5117	0.7403	0.8028	0.6783	0.6137
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.4634	0.4109	0.5432	0.2536	0.6827	0.2934
Hispanic	yes	–	–	–	–	–	–
	no	0.5928	0.7109	0.6971	0.8840	0.6900	0.5570
Other	yes	–	–	–	–	–	–
	no	0.7876	0.6771	0.5855	0.6474	0.8506	0.6942
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.8130	0.8827	0.8768	0.7461	0.7772	0.6798
HS degree	yes	–	–	–	–	–	–
	no	0.7610	0.6123	0.6950	0.7583	0.8487	0.7261
Some college	yes	–	–	–	–	–	–
	no	0.6494	0.7067	0.5867	0.6958	0.8425	0.6724
College graduate	yes	–	–	–	–	–	–
	no	0.4990	0.7193	0.6183	0.4934	0.7245	0.6300
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.6082	0.5229	0.6907	0.8404	0.6834	0.6892
25 to 44 years	yes	–	–	–	–	–	–
	no	0.6231	0.7689	0.6088	0.6566	0.8674	0.5924
45 to 64 years	yes	–	–	–	–	–	–
	no	0.7053	0.6991	0.6924	0.7289	0.6663	0.6895
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.5734	0.7172	0.7872	0.9105	0.6328	0.5260
USA	yes	–	–	–	–	–	–
	no	0.7443	0.7527	0.5851	0.6400	0.8265	0.6319

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-5. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in Indiana sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.5384	0.8045	0.7939	0.9030	0.8962	0.6551
Gender							
Male	yes	–	–	–	–	–	–
	no	0.6115	0.7301	0.7609	0.8314	0.7750	0.6641
Female	yes	–	–	–	–	–	–
	no	0.5815	0.7806	0.6580	0.7966	0.8127	0.5886
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.3814	0.4867	0.5539	0.3711	0.2455	0.3043
Hispanic	yes	–	–	–	–	–	–
	no	0.5589	0.6889	0.6809	0.7624	0.8258	0.5111
Other	yes	–	–	–	–	–	–
	no	0.6856	0.7942	0.8061	0.8502	0.8913	0.7329
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.7218	0.8048	0.8416	0.7714	0.7023	0.6980
HS degree	yes	–	–	–	–	–	–
	no	0.6467	0.7198	0.7649	0.7719	0.8126	0.7243
Some college	yes	–	–	–	–	–	–
	no	0.4928	0.8200	0.8853	0.7600	0.7729	0.6409
College graduate	yes	–	–	–	–	–	–
	no	0.5663	0.6479	0.4982	0.8130	0.7897	0.6955
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.6635	0.8484	0.8615	0.7028	0.7524	0.6625
25 to 44 years	yes	–	–	–	–	–	–
	no	0.4533	0.6724	0.7288	0.8937	0.8939	0.6397
45 to 64 years	yes	–	–	–	–	–	–
	no	0.7372	0.7445	0.7389	0.7873	0.8478	0.7473
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.6375	0.6824	0.7748	0.8708	0.8196	0.6076
USA	yes	–	–	–	–	–	–
	no	0.5171	0.7528	0.7603	0.8586	0.8773	0.6598

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-6. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in Indiana sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.4853	0.6825	0.7090	0.8089	0.8413	0.5861
Gender							
Male	yes	–	–	–	–	–	–
	no	0.6147	0.5648	0.7963	0.8104	0.8235	0.5314
Female	yes	–	–	–	–	–	–
	no	0.6066	0.8639	0.7726	0.7861	0.7000	0.6008
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.5121	0.4725	0.4001	0.3724	0.6666	0.3146
Hispanic	yes	–	–	–	–	–	–
	no	0.5091	0.7889	0.6530	0.7716	0.2896	0.5265
Other	yes	–	–	–	–	–	–
	no	0.7276	0.7042	0.6883	0.7777	0.8264	0.7135
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.6010	0.7368	0.6896	0.7803	0.6915	0.6490
HS degree	yes	–	–	–	–	–	–
	no	0.6929	0.7626	0.6312	0.6752	0.8803	0.6648
Some college	Yes	–	–	–	–	–	–
	No	0.6031	0.5432	0.7565	0.8733	0.7707	0.6130
College graduate	yes	–	–	–	–	–	–
	no	0.4063	0.5047	0.5421	0.4749	0.6548	0.7258
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.6646	0.6882	0.6066	0.5409	0.7175	0.7183
25 to 44 years	yes	–	–	–	–	–	–
	no	0.5318	0.7488	0.7531	0.8647	0.8637	0.5294
45 to 64 years	yes	–	–	–	–	–	–
	no	0.6949	0.5840	0.6794	0.8380	0.7092	0.7158
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.5884	0.5894	0.6987	0.9008	0.7892	0.6002
USA	yes	–	–	–	–	–	–
	no	0.5606	0.6888	0.7513	0.8143	0.8413	0.6255

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-7.   NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in Louisiana sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.8509	0.8339	0.7579	0.8200	0.9297	0.8134
Gender							
Male	yes	–	–	–	–	–	–
	no	0.7799	0.7688	0.7237	0.8021	0.9274	0.7426
Female	yes	–	–	–	–	–	–
	no	0.8961	0.7318	0.8945	0.9227	0.8556	0.8168
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.7650	0.6631	0.8451	0.4387	0.8711	0.6559
Hispanic	yes	–	–	–	–	–	–
	no	0.8623	0.9149	0.9110	0.9710	0.9037	0.8379
Other	yes	–	–	–	–	–	–
	no	0.9165	0.8611	0.8070	0.8442	0.9438	0.8702
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.8874	0.9369	0.9427	0.8533	0.8712	0.8122
HS degree	yes	–	–	–	–	–	–
	no	0.9006	0.8151	0.8633	0.8981	0.9401	0.8838
Some college	yes	–	–	–	–	–	–
	no	0.7933	0.8382	0.7839	0.8134	0.9167	0.8150
College graduate	yes	–	–	–	–	–	–
	no	0.7260	0.8731	0.8117	0.7200	0.8738	0.8185
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.7597	0.6908	0.8313	0.9159	0.8325	0.8430
25 to 44 years	yes	–	–	–	–	–	–
	no	0.8191	0.8895	0.8070	0.8257	0.9447	0.7906
45 to 64 years	yes	–	–	–	–	–	–
	no	0.8413	0.8154	0.7964	0.8336	0.7898	0.8241
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.9337	0.9637	0.9749	0.9906	0.9480	0.9204
USA	yes	–	–	–	–	–	–
	no	0.8793	0.8642	0.7706	0.7902	0.9129	0.7908

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-8. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in Louisiana sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.7403	0.9095	0.9003	0.9525	0.9503	0.8192
Gender							
Male	yes	–	–	–	–	–	–
	no	0.7141	0.8176	0.8439	0.8910	0.8457	0.7734
Female	yes	–	–	–	–	–	–
	no	0.8099	0.9116	0.8566	0.9179	0.9241	0.7985
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.6798	0.7307	0.8648	0.6046	0.3454	0.6547
Hispanic	yes	–	–	–	–	–	–
	no	0.8362	0.9032	0.8975	0.9320	0.9522	0.8096
Other	yes	–	–	–	–	–	–
	no	0.8664	0.9192	0.9245	0.9443	0.9602	0.8908
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.8231	0.8782	0.9079	0.8683	0.8199	0.8175
HS degree	yes	–	–	–	–	–	–
	no	0.8385	0.8785	0.9002	0.9057	0.9241	0.8833
Some college	yes	–	–	–	–	–	–
	no	0.6478	0.9003	0.9366	0.8639	0.8544	0.7761
College graduate	yes	–	–	–	–	–	–
	no	0.7759	0.8323	0.7282	0.9205	0.9084	0.8604
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.8026	0.9160	0.9308	0.8312	0.8655	0.8171
25 to 44 years	yes	–	–	–	–	–	–
	no	0.7043	0.8554	0.8824	0.9542	0.9571	0.8208
45 to 64 years	yes	–	–	–	–	–	–
	no	0.8473	0.8539	0.8536	0.8838	0.9136	0.8554
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.9464	0.9562	0.9726	0.9862	0.9795	0.9412
USA	yes	–	–	–	–	–	–
	no	0.7261	0.8823	0.8785	0.9273	0.9375	0.8041

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-9. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in Louisiana sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.7198	0.8330	0.8360	0.9068	0.9243	0.7767
Gender							
Male	yes	–	–	–	–	–	–
	no	0.7456	0.6845	0.8535	0.8761	0.8876	0.6587
Female	yes	–	–	–	–	–	–
	no	0.8242	0.9464	0.9064	0.9157	0.8637	0.8091
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.8343	0.7555	0.6802	0.6427	0.8613	0.7152
Hispanic	yes	–	–	–	–	–	–
	no	0.8142	0.9402	0.8921	0.9391	0.6370	0.8273
Other	yes	–	–	–	–	–	–
	no	0.8876	0.8755	0.8669	0.9114	0.9335	0.8809
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.7752	0.8038	0.8286	0.9002	0.7974	0.8195
HS degree	yes	–	–	–	–	–	–
	no	0.8671	0.9017	0.8272	0.8531	0.9538	0.8511
Some college	yes	–	–	–	–	–	–
	no	0.7601	0.7163	0.8599	0.9316	0.8737	0.7484
College graduate	yes	–	–	–	–	–	–
	no	0.6456	0.7305	0.7537	0.7118	0.8348	0.8754
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.8223	0.8257	0.7700	0.7171	0.8557	0.8630
25 to 44 years	yes	–	–	–	–	–	–
	no	0.7722	0.8875	0.8868	0.9423	0.9429	0.7498
45 to 64 years	yes	–	–	–	–	–	–
	no	0.8234	0.7304	0.7880	0.9133	0.7983	0.8437
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.9364	0.9370	0.9594	0.9894	0.9742	0.9393
USA	yes	–	–	–	–	–	–
	no	0.7626	0.8358	0.8579	0.9077	0.9214	0.7934

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-10. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in New Jersey sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.5931	0.6837	0.4458	0.6169	0.8084	0.5096
	no	0.6327	0.6783	0.4834	0.6073	0.8094	0.5455
Gender							
Male	yes	0.5628	0.5720	0.4705	0.6141	0.7944	0.4786
	no	0.5967	0.5703	0.5023	0.6267	0.8094	0.5318
Female	yes	0.7388	0.6121	0.7084	0.7808	0.6855	0.6437
	no	0.7502	0.5933	0.7107	0.7693	0.6728	0.6555
Race/Ethnicity							
Black	yes	0.6267	0.6096	0.6557	0.4483	0.8210	0.3928
	no	0.5188	0.4792	0.6025	0.3076	0.7351	0.3505
Hispanic	yes	0.4471	0.5778	0.5565	0.8088	0.5576	0.4174
	no	0.5868	0.6718	0.6872	0.8644	0.6650	0.5635
Other	yes	0.6825	0.6117	0.4558	0.5472	0.7856	0.5583
	no	0.7382	0.6464	0.5219	0.5887	0.8145	0.6210
Education Level							
No HS degree	yes	0.6797	0.7768	0.7331	0.5695	0.6122	0.4789
	no	0.7318	0.8249	0.7898	0.6370	0.6724	0.5483
HS degree	yes	0.7533	0.6765	0.7618	0.7929	0.8682	0.6973
	no	0.6848	0.5705	0.6611	0.7166	0.8080	0.6329
Some college	yes	0.4308	0.5174	0.3087	0.5190	0.7391	0.4760
	no	0.4942	0.6015	0.4308	0.5692	0.7979	0.5599
College graduate	yes	0.5539	0.7242	0.6724	0.5414	0.7426	0.6677
	no	0.5685	0.7457	0.6862	0.5458	0.7432	0.6753
Age							
16 to 24 years	yes	0.5702	0.5407	0.6307	0.8317	0.6021	0.5725
	no	0.5544	0.5418	0.6311	0.8297	0.6087	0.5780
25 to 44 years	yes	0.5530	0.7640	0.5453	0.6271	0.8416	0.5571
	no	0.5777	0.7408	0.5547	0.5959	0.8383	0.5612
45 to 64 years	yes	0.5415	0.6158	0.6227	0.6321	0.5726	0.5365
	no	0.5813	0.6234	0.6106	0.6306	0.5763	0.5612
Country of Birth							
Not USA	yes	0.4392	0.6019	0.6809	0.8588	0.4979	0.3913
	no	0.4867	0.6274	0.7247	0.8743	0.5441	0.4503
USA	yes	0.6365	0.7361	0.4811	0.5884	0.7870	0.5834
	no	0.6676	0.7311	0.4989	0.5777	0.7866	0.5875

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-11. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in New Jersey sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.4762	0.7256	0.7374	0.9113	0.8718	0.5834
	no	0.5256	0.7413	0.7482	0.9145	0.8692	0.6086
Gender							
Male	yes	0.5477	0.6315	0.6934	0.7933	0.6723	0.5667
	no	0.5747	0.6599	0.7284	0.8180	0.6877	0.6097
Female	yes	0.5186	0.7750	0.5857	0.7925	0.8166	0.6276
	no	0.5600	0.7870	0.5985	0.7854	0.8052	0.6311
Race/Ethnicity							
Black	yes	0.5521	0.6795	0.6670	0.5793	0.4620	0.4186
	no	0.4607	0.5635	0.5915	0.4458	0.3073	0.3662
Hispanic	yes	0.4232	0.5560	0.5503	0.6433	0.7292	0.3744
	no	0.5575	0.6687	0.6707	0.7399	0.8051	0.5280
Other	yes	0.5512	0.6521	0.6987	0.8355	0.8380	0.6391
	no	0.6371	0.7167	0.7426	0.8655	0.8587	0.7032
Education Level							
No HS degree	yes	0.5904	0.6738	0.7169	0.6186	0.5175	0.5254
	no	0.6656	0.7230	0.7661	0.6916	0.5824	0.6016
HS degree	yes	0.6633	0.7261	0.7896	0.8038	0.8004	0.7114
	no	0.5795	0.6348	0.6917	0.7463	0.7189	0.6614
Some college	yes	0.3252	0.6979	0.8317	0.6295	0.7096	0.4870
	no	0.3727	0.7515	0.8673	0.6960	0.7472	0.5510
College graduate	yes	0.6091	0.7011	0.4907	0.8258	0.7877	0.7016
	no	0.6191	0.7288	0.5255	0.8345	0.7912	0.7305
Age							
16 to 24 years	yes	0.6359	0.8845	0.8360	0.6910	0.7193	0.5650
	no	0.6274	0.8844	0.8360	0.6905	0.7154	0.5583
25 to 44 years	yes	0.3561	0.5644	0.6391	0.8922	0.8665	0.6252
	no	0.4117	0.5951	0.6367	0.8872	0.8630	0.6385
45 to 64 years	yes	0.6566	0.6087	0.6165	0.6920	0.7712	0.6425
	no	0.6744	0.6170	0.6378	0.7140	0.7714	0.6580
Country of Birth							
Not USA	yes	0.5216	0.5723	0.6741	0.7946	0.7236	0.4756
	no	0.5721	0.6013	0.7084	0.8229	0.7618	0.5361
USA	yes	0.4362	0.6442	0.7067	0.8738	0.8591	0.6502
	no	0.4882	0.6635	0.7169	0.8771	0.8543	0.6508

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-12. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in New Jersey sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.3488	0.6244	0.6915	0.7465	0.7870	0.4860
	no	0.4410	0.6392	0.6784	0.7443	0.7859	0.5164
Gender							
Male	yes	0.5126	0.4802	0.7281	0.7212	0.7033	0.4421
	no	0.5757	0.5184	0.7349	0.7434	0.7239	0.4844
Female	yes	0.5525	0.8739	0.7673	0.7588	0.7339	0.6238
	no	0.5891	0.8684	0.7543	0.7496	0.7177	0.6330
Race/Ethnicity							
Black	yes	0.6112	0.6430	0.5856	0.5627	0.8108	0.3821
	no	0.5733	0.5460	0.4558	0.4367	0.7244	0.3580
Hispanic	yes	0.3680	0.6787	0.5098	0.6467	0.1873	0.3814
	no	0.5036	0.7746	0.6257	0.7432	0.2348	0.5228
Other	yes	0.5502	0.5815	0.6230	0.6634	0.7540	0.6401
	no	0.6398	0.6368	0.6495	0.7036	0.7854	0.6934
Education Level							
No HS degree	yes	0.3812	0.6549	0.4802	0.5522	0.5103	0.4078
	no	0.4759	0.7033	0.5614	0.6140	0.5563	0.4982
HS degree	yes	0.6594	0.7363	0.7036	0.7031	0.9343	0.6133
	no	0.6115	0.6680	0.6058	0.5978	0.9066	0.5504
Some college	yes	0.3964	0.3461	0.6229	0.7795	0.6202	0.4733
	no	0.4663	0.4223	0.6856	0.8222	0.6894	0.5315
College graduate	yes	0.4470	0.5587	0.6108	0.4662	0.6944	0.7734
	no	0.4624	0.5733	0.5918	0.5197	0.7083	0.7821
Age							
16 to 24 years	yes	0.5736	0.6864	0.5568	0.4764	0.6406	0.5988
	no	0.5818	0.6984	0.5577	0.4684	0.6526	0.6079
25 to 44 years	yes	0.3980	0.7043	0.7292	0.8471	0.8391	0.4852
	no	0.4637	0.7069	0.7277	0.8414	0.8361	0.5082
45 to 64 years	yes	0.5895	0.4640	0.6044	0.7454	0.6487	0.6034
	no	0.6159	0.4704	0.5937	0.7589	0.6243	0.6436
Country of Birth							
Not USA	yes	0.4601	0.4612	0.5879	0.8445	0.6986	0.4704
	no	0.5109	0.5021	0.6239	0.8663	0.7371	0.5253
USA	yes	0.4593	0.6315	0.7334	0.7473	0.7934	0.5367
	no	0.5127	0.6485	0.7171	0.7423	0.7902	0.5437

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-13. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in New York sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.3839	0.4802	0.2559	0.4077	0.6433	0.3075
	no	0.5603	0.5563	0.4107	0.5158	0.7517	0.4855
Gender							
Male	yes	0.4079	0.4171	0.3223	0.4600	0.6741	0.3295
	no	0.5318	0.5305	0.4524	0.5741	0.7965	0.4698
Female	yes	0.5032	0.3610	0.4653	0.5605	0.4383	0.3928
	no	0.6298	0.3728	0.6088	0.6799	0.5333	0.4826
Race/Ethnicity							
Black	yes	0.3206	0.3051	0.3487	0.1860	0.5633	0.1539
	no	0.1762	0.1465	0.2447	0.0739	0.3459	0.1041
Hispanic	yes	0.2520	0.3632	0.3433	0.6379	0.3443	0.2299
	no	0.5215	0.6463	0.6348	0.8501	0.6218	0.4824
Other	yes	0.6385	0.5641	0.4077	0.4983	0.7507	0.5096
	no	0.6775	0.5290	0.4442	0.4958	0.7543	0.5594
Education Level							
No HS degree	yes	0.4431	0.5662	0.5074	0.3316	0.3719	0.2563
	no	0.6748	0.7839	0.7652	0.5817	0.6208	0.4977
HS degree	yes	0.4285	0.3393	0.4399	0.4847	0.6181	0.3614
	no	0.6589	0.4917	0.5804	0.6585	0.7710	0.6170
Some college	yes	0.3471	0.4296	0.2387	0.4311	0.6656	0.3896
	no	0.4613	0.5478	0.4321	0.5088	0.7326	0.5067
College graduate	yes	0.3993	0.5844	0.5236	0.3873	0.6070	0.5183
	no	0.3747	0.6127	0.4940	0.3642	0.6053	0.5027
Age							
16 to 24 years	yes	0.3136	0.2884	0.3704	0.6299	0.3426	0.3156
	no	0.4211	0.3619	0.5186	0.7238	0.5102	0.5065
25 to 44 years	yes	0.3403	0.5743	0.3333	0.4122	0.6889	0.3440
	no	0.4647	0.6145	0.4420	0.4717	0.7639	0.4277
45 to 64 years	yes	0.3624	0.4354	0.4427	0.4527	0.3920	0.3578
	no	0.6028	0.5898	0.5736	0.6187	0.5501	0.5798
Country of Birth							
Not USA	yes	0.2299	0.3656	0.4486	0.6986	0.2744	0.1968
	no	0.5602	0.7035	0.7791	0.9047	0.6220	0.5132
USA	yes	0.4651	0.5807	0.3153	0.4152	0.6472	0.4102
	no	0.6110	0.6138	0.4259	0.4719	0.7107	0.4753

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-14. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in New York sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.2798	0.5306	0.5454	0.8145	0.7440	0.3744
	no	0.4068	0.6879	0.6754	0.8410	0.8183	0.5137
Gender							
Male	yes	0.3933	0.4785	0.5476	0.6727	0.5233	0.4117
	no	0.4630	0.5935	0.6405	0.7347	0.6419	0.5242
Female	yes	0.2783	0.5522	0.3361	0.5776	0.6146	0.3764
	no	0.4483	0.6728	0.5111	0.6796	0.6990	0.4528
Race/Ethnicity							
Black	yes	0.2574	0.3734	0.3603	0.2791	0.1945	0.1683
	no	0.1442	0.1949	0.2359	0.1287	0.0704	0.1089
Hispanic	yes	0.2341	0.3429	0.3377	0.4290	0.5287	0.1996
	no	0.4820	0.6210	0.6110	0.7041	0.7773	0.4366
Other	yes	0.5023	0.6063	0.6559	0.8067	0.8096	0.5927
	no	0.5645	0.6851	0.6933	0.7671	0.8127	0.6146
Education Level							
No HS degree	yes	0.3508	0.4365	0.4871	0.3782	0.2869	0.2933
	no	0.5701	0.6628	0.7164	0.6242	0.5257	0.5303
HS degree	yes	0.3261	0.3943	0.4797	0.5015	0.4962	0.3771
	no	0.5300	0.6036	0.6530	0.6828	0.7119	0.6241
Some college	yes	0.2529	0.6187	0.7764	0.5441	0.6319	0.4001
	no	0.3086	0.6886	0.7959	0.6132	0.6184	0.4633
College graduate	yes	0.4548	0.5567	0.3403	0.7174	0.6652	0.5574
	no	0.4377	0.5348	0.3832	0.7237	0.6888	0.5886
Age							
16 to 24 years	yes	0.3756	0.7250	0.6371	0.4351	0.4688	0.3091
	no	0.4879	0.7497	0.7527	0.5432	0.5958	0.4717
25 to 44 years	yes	0.1873	0.3507	0.4247	0.7752	0.7301	0.4102
	no	0.3139	0.5133	0.5614	0.8094	0.8041	0.4870
45 to 64 years	yes	0.4792	0.4282	0.4363	0.5196	0.6186	0.4638
	no	0.6391	0.6380	0.6385	0.7004	0.7705	0.6477
Country of Birth							
Not USA	yes	0.2936	0.3378	0.4408	0.5960	0.4995	0.2569
	no	0.6167	0.6623	0.7621	0.8658	0.8125	0.5937
USA	yes	0.2775	0.4734	0.5447	0.7747	0.7517	0.4800
	no	0.3840	0.6130	0.6284	0.7731	0.7849	0.5101

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-15. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in New York sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.1863	0.4154	0.4893	0.5572	0.6123	0.2878
	no	0.3649	0.5407	0.5598	0.6850	0.7321	0.4388
Gender							
Male	yes	0.3602	0.3309	0.5890	0.5807	0.5592	0.2979
	no	0.4796	0.4187	0.6699	0.6952	0.7069	0.3878
Female	yes	0.3066	0.7127	0.5414	0.5298	0.4969	0.3726
	no	0.4734	0.7774	0.6433	0.6587	0.5602	0.4662
Race/Ethnicity							
Black	yes	0.3066	0.3362	0.2844	0.2657	0.5465	0.1481
	no	0.2267	0.1912	0.1375	0.1280	0.3338	0.1118
Hispanic	yes	0.1953	0.4682	0.3023	0.4327	0.0876	0.2044
	no	0.4358	0.7344	0.5846	0.7181	0.2303	0.4547
Other	yes	0.5013	0.5332	0.5760	0.6183	0.7158	0.5937
	no	0.6094	0.5682	0.5348	0.6503	0.7190	0.5862
Education Level							
No HS degree	yes	0.1876	0.4157	0.2573	0.3162	0.2810	0.2052
	no	0.4217	0.5893	0.5119	0.6032	0.5048	0.4623
HS degree	yes	0.3223	0.4069	0.3683	0.3678	0.7774	0.2804
	no	0.5862	0.6574	0.5161	0.5516	0.8307	0.5454
Some college	yes	0.3157	0.2711	0.5371	0.7129	0.5343	0.3870
	no	0.4213	0.3708	0.6045	0.7701	0.6253	0.4314
College graduate	yes	0.3021	0.4040	0.4566	0.3186	0.5489	0.6464
	no	0.2919	0.3801	0.3960	0.3690	0.5339	0.6130
Age							
16 to 24 years	yes	0.3166	0.4298	0.3019	0.2386	0.3803	0.3394
	no	0.4880	0.5386	0.4305	0.3566	0.5554	0.5424
25 to 44 years	yes	0.2161	0.4982	0.5289	0.6979	0.6849	0.2821
	no	0.3825	0.6007	0.6080	0.7598	0.7589	0.3753
45 to 64 years	yes	0.4087	0.2941	0.4238	0.5849	0.4705	0.4228
	no	0.5912	0.4616	0.5592	0.7620	0.5867	0.6201
Country of Birth							
Not USA	yes	0.2452	0.2460	0.3523	0.6743	0.4692	0.2530
	no	0.5720	0.5730	0.6805	0.8945	0.7742	0.5850
USA	yes	0.2966	0.4597	0.5773	0.5949	0.6561	0.3651
	no	0.4234	0.5461	0.6011	0.6831	0.7269	0.4628

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-16. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in Ohio sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.5993	0.5867	0.4530	0.5725	0.7909	0.5396
Gender							
Male	yes	–	–	–	–	–	–
	no	0.5716	0.6046	0.5032	0.6289	0.8411	0.5043
Female	yes	–	–	–	–	–	–
	no	0.6469	0.3681	0.6498	0.7287	0.5652	0.4827
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.3799	0.3208	0.4602	0.1859	0.5974	0.2283
Hispanic	yes	–	–	–	–	–	–
	no	0.7310	0.8264	0.8146	0.9366	0.8068	0.6941
Other	yes	–	–	–	–	–	–
	no	0.7028	0.5585	0.4724	0.5353	0.7821	0.5960
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.7032	0.8062	0.8064	0.6209	0.6603	0.5451
HS degree	yes	–	–	–	–	–	–
	no	0.6486	0.4559	0.5433	0.6298	0.7547	0.6120
Some college	yes	–	–	–	–	–	–
	no	0.5886	0.6268	0.5295	0.6208	0.7739	0.5899
College graduate	yes	–	–	–	–	–	–
	no	0.4911	0.7260	0.6084	0.4972	0.7414	0.6337
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.5336	0.4193	0.6264	0.7850	0.6255	0.6529
25 to 44 years	yes	–	–	–	–	–	–
	no	0.5086	0.6631	0.4940	0.5408	0.8029	0.4673
45 to 64 years	yes	–	–	–	–	–	–
	no	0.6216	0.5902	0.5813	0.6343	0.5566	0.6030
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.4291	0.5869	0.6740	0.8507	0.4905	0.3827
USA	yes	–	–	–	–	–	–
	no	0.6665	0.6499	0.4883	0.5339	0.7547	0.5194

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-17. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in Ohio sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.4168	0.7361	0.7135	0.8415	0.8468	0.5471
Gender							
Male	yes	–	–	–	–	–	–
	no	0.4841	0.6308	0.6579	0.7444	0.6925	0.5494
Female	yes	–	–	–	–	–	–
	no	0.4725	0.6855	0.5683	0.7107	0.7292	0.4555
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.2940	0.3881	0.4824	0.2815	0.1741	0.2354
Hispanic	yes	–	–	–	–	–	–
	no	0.6947	0.8054	0.7958	0.8586	0.8991	0.6505
Other	yes	–	–	–	–	–	–
	no	0.5784	0.7231	0.7323	0.7636	0.8396	0.6271
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.5776	0.6904	0.7446	0.6483	0.5674	0.5584
HS degree	yes	–	–	–	–	–	–
	no	0.5063	0.5948	0.6432	0.6472	0.7217	0.6020
Some college	yes	–	–	–	–	–	–
	no	0.4017	0.7523	0.8220	0.6703	0.6641	0.5381
College graduate	yes	–	–	–	–	–	–
	no	0.5672	0.6263	0.5084	0.8187	0.8121	0.6963
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.5853	0.7761	0.8192	0.6194	0.6880	0.6193
25 to 44 years	yes	–	–	–	–	–	–
	no	0.3447	0.5781	0.6475	0.8308	0.8429	0.5094
45 to 64 years	yes	–	–	–	–	–	–
	no	0.6336	0.6687	0.6512	0.7029	0.7859	0.6561
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.4967	0.5468	0.6584	0.7902	0.7174	0.4640
USA	yes	–	–	–	–	–	–
	no	0.4010	0.6827	0.6703	0.7751	0.8178	0.5368

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-18. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in Ohio sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.3800	0.5756	0.5973	0.7403	0.7807	0.4824
Gender							
Male	yes	–	–	–	–	–	–
	no	0.4933	0.4401	0.7096	0.7333	0.7645	0.4079
Female	yes	–	–	–	–	–	–
	no	0.4968	0.7931	0.6827	0.7089	0.5803	0.4718
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.4305	0.3797	0.3178	0.2886	0.5774	0.2547
Hispanic	yes	–	–	–	–	–	–
	no	0.6571	0.8745	0.7832	0.8695	0.4429	0.6748
Other	yes	–	–	–	–	–	–
	no	0.6430	0.6052	0.5732	0.6988	0.7502	0.5996
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.4622	0.5853	0.5587	0.6861	0.5539	0.5216
HS degree	yes	–	–	–	–	–	–
	no	0.5710	0.6579	0.4732	0.5356	0.7842	0.5472
Some college	yes	–	–	–	–	–	–
	no	0.5256	0.4552	0.6682	0.8204	0.6934	0.5020
College graduate	yes	–	–	–	–	–	–
	no	0.4047	0.4973	0.5536	0.4706	0.6510	0.7177
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.6085	0.5946	0.5291	0.4729	0.6595	0.6859
25 to 44 years	yes	–	–	–	–	–	–
	no	0.4297	0.6496	0.6472	0.7956	0.7968	0.4041
45 to 64 years	yes	–	–	–	–	–	–
	no	0.5890	0.4767	0.5677	0.7747	0.6004	0.6135
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.4445	0.4456	0.5653	0.8357	0.6775	0.4565
USA	yes	–	–	–	–	–	–
	no	0.4503	0.5831	0.6516	0.7533	0.7803	0.5285

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-19. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in Pennsylvania sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.5376	0.6328	0.3908	0.5622	0.7709	0.4532
	no	0.6075	0.6120	0.4605	0.5842	0.7970	0.5408
Gender							
Male	yes	0.5142	0.5236	0.4222	0.5668	0.7606	0.4301
	no	0.5795	0.6010	0.5069	0.6315	0.8375	0.5132
Female	yes	0.6860	0.5493	0.6524	0.7334	0.6273	0.5825
	no	0.6708	0.4207	0.6619	0.7371	0.5927	0.5222
Race/Ethnicity							
Black	yes	0.4661	0.4481	0.4976	0.2970	0.7047	0.2517
	no	0.5759	0.5464	0.6143	0.3843	0.7828	0.3512
Hispanic	yes	0.0939	0.1493	0.1386	0.3516	0.1391	0.0841
	no	0.8437	0.9025	0.8946	0.9663	0.8934	0.8241
Other	yes	0.6926	0.6228	0.4675	0.5589	0.7934	0.5699
	no	0.6649	0.5087	0.4292	0.4815	0.7438	0.5486
Education Level							
No HS degree	yes	0.5977	0.7090	0.6579	0.4808	0.5250	0.3914
	no	0.7040	0.8049	0.7924	0.6154	0.6545	0.5348
HS degree	yes	0.5925	0.4989	0.6036	0.6458	0.7583	0.5231
	no	0.6572	0.4791	0.5677	0.6487	0.7667	0.6176
Some college	yes	0.5293	0.6143	0.3988	0.6158	0.8080	0.5744
	no	0.5924	0.6485	0.5223	0.6407	0.8016	0.6115
College graduate	yes	0.4753	0.6571	0.5997	0.4628	0.6779	0.5946
	no	0.4716	0.7028	0.5909	0.4715	0.7132	0.6093
Age							
16 to 24 years	yes	0.5359	0.5061	0.5979	0.8114	0.5684	0.5383
	no	0.4326	0.3611	0.5257	0.7269	0.5168	0.5177
25 to 44 years	yes	0.4875	0.7133	0.4797	0.5639	0.8033	0.4916
	no	0.5382	0.7018	0.5238	0.5760	0.8224	0.5059
45 to 64 years	yes	0.4828	0.5588	0.5661	0.5759	0.5143	0.4778
	no	0.6565	0.6391	0.6322	0.6771	0.6054	0.6396
Country of Birth							
Not USA	yes	0.2677	0.4136	0.4989	0.7394	0.3164	0.2308
	no	0.1820	0.2938	0.3796	0.6271	0.2206	0.1565
USA	yes	0.5939	0.6997	0.4365	0.5442	0.7553	0.5391
	no	0.6739	0.6800	0.5000	0.5562	0.7705	0.5463

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-20. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in Pennsylvania sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.4203	0.6784	0.6913	0.8912	0.8443	0.5276
	no	0.4407	0.7379	0.7235	0.8612	0.8540	0.5630
Gender							
Male	yes	0.4989	0.5849	0.6503	0.7594	0.6278	0.5181
	no	0.5010	0.6390	0.6725	0.7589	0.6945	0.5628
Female	yes	0.4541	0.7268	0.5220	0.7468	0.7747	0.5655
	no	0.4868	0.7094	0.5683	0.7297	0.7497	0.4963
Race/Ethnicity							
Black	yes	0.3906	0.5243	0.5102	0.4173	0.3087	0.2724
	no	0.4868	0.6171	0.6334	0.5098	0.3901	0.3712
Hispanic	yes	0.0860	0.1383	0.1356	0.1878	0.2566	0.0713
	no	0.8266	0.8927	0.8892	0.9234	0.9471	0.7954
Other	yes	0.5628	0.6627	0.7085	0.8418	0.8443	0.6498
	no	0.5461	0.6804	0.6866	0.7423	0.8059	0.5939
Education Level							
No HS degree	yes	0.5022	0.5912	0.6394	0.5317	0.4288	0.4366
	no	0.5925	0.6929	0.7437	0.6508	0.5617	0.5601
HS degree	yes	0.4840	0.5580	0.6412	0.6611	0.6563	0.5400
	no	0.5223	0.6036	0.6533	0.6688	0.7201	0.6161
Some college	yes	0.4173	0.7744	0.8801	0.7163	0.7840	0.5851
	no	0.4295	0.7771	0.8527	0.7060	0.7194	0.5768
College graduate	yes	0.5321	0.6312	0.4128	0.7757	0.7303	0.6318
	no	0.5433	0.6156	0.4788	0.8008	0.7842	0.6752
Age							
16 to 24 years	yes	0.6032	0.8695	0.8161	0.6606	0.6904	0.5306
	no	0.4956	0.7462	0.7569	0.5457	0.6025	0.4858
25 to 44 years	yes	0.2983	0.4991	0.5765	0.8641	0.8330	0.5619
	no	0.3682	0.5928	0.6576	0.8555	0.8567	0.5545
45 to 64 years	yes	0.6018	0.5515	0.5596	0.6398	0.7271	0.5869
	no	0.6801	0.7016	0.6896	0.7407	0.8144	0.6967
Country of Birth							
Not USA	yes	0.3372	0.3844	0.4911	0.6436	0.5499	0.2973
	no	0.2314	0.2654	0.3647	0.5250	0.4283	0.2065
USA	yes	0.3926	0.6020	0.6680	0.8526	0.8359	0.6082
	no	0.4277	0.6850	0.6904	0.8069	0.8338	0.5741

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-21. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in Pennsylvania sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.2993	0.5701	0.6413	0.7014	0.7467	0.4299
	no	0.3916	0.5928	0.6209	0.7428	0.7834	0.4912
Gender							
Male	yes	0.4637	0.4317	0.6876	0.6802	0.6609	0.3946
	no	0.5102	0.4556	0.7162	0.7379	0.7599	0.4231
Female	yes	0.4881	0.8425	0.7180	0.7085	0.6806	0.5616
	no	0.5130	0.8141	0.7010	0.7166	0.6174	0.5087
Race/Ethnicity							
Black	yes	0.4498	0.4837	0.4236	0.4009	0.6903	0.2434
	no	0.5721	0.5840	0.5292	0.5005	0.7693	0.3554
Hispanic	yes	0.0695	0.2131	0.1176	0.1901	0.0287	0.0733
	no	0.7943	0.9335	0.8754	0.9262	0.6088	0.8046
Other	yes	0.5618	0.5929	0.6340	0.6738	0.7626	0.6508
	no	0.6024	0.5565	0.5170	0.6450	0.7079	0.5631
Education Level							
No HS degree	yes	0.3013	0.5705	0.3927	0.4633	0.4218	0.3253
	no	0.4518	0.6120	0.5467	0.6499	0.5467	0.4989
HS degree	yes	0.4797	0.5708	0.5306	0.5300	0.8713	0.4303
	no	0.5813	0.6607	0.4997	0.5488	0.8109	0.5490
Some College	yes	0.4939	0.4402	0.7105	0.8400	0.7081	0.5718
	no	0.5410	0.4774	0.7027	0.8405	0.7197	0.5469
College graduate	yes	0.3710	0.4802	0.5338	0.3892	0.6238	0.7136
	no	0.3829	0.4775	0.5240	0.4491	0.6312	0.7026
Age							
16 to 24 years	yes	0.5394	0.6558	0.5223	0.4420	0.6081	0.5650
	no	0.4949	0.5345	0.4357	0.3664	0.5594	0.5528
25 to 44 years	yes	0.3370	0.6467	0.6743	0.8099	0.8003	0.4202
	no	0.4449	0.6782	0.6825	0.8187	0.8176	0.4414
45 to 64 years	yes	0.5317	0.4063	0.5471	0.6982	0.5934	0.5460
	no	0.6354	0.5229	0.6185	0.8032	0.6513	0.6579
Country of Birth							
Not USA	yes	0.2846	0.2855	0.3997	0.7171	0.5197	0.2930
	no	0.1936	0.1927	0.2808	0.6027	0.3897	0.2014
USA	yes	0.4150	0.5887	0.6967	0.7119	0.7624	0.4917
	no	0.4722	0.6080	0.6791	0.7579	0.7899	0.5420

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-22. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in Texas sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.4401	0.5381	0.3025	0.4647	0.6946	0.3590
	no	0.5373	0.5241	0.3884	0.4871	0.7312	0.4638
Gender							
Male	yes	0.4365	0.4458	0.3484	0.4892	0.6993	0.3559
	no	0.4793	0.4720	0.4018	0.5184	0.7619	0.4216
Female	yes	0.5817	0.4368	0.5443	0.6365	0.5172	0.4704
	no	0.6184	0.3544	0.6008	0.6734	0.5214	0.4667
Race/Ethnicity							
Black	yes	0.3481	0.3319	0.3773	0.2054	0.5934	0.1707
	no	0.4209	0.3765	0.4901	0.2305	0.6485	0.2503
Hispanic	yes	0.3100	0.4320	0.4107	0.7014	0.4118	0.2847
	no	0.5074	0.6081	0.6972	0.8387	0.5200	0.3974
Other	yes	0.6462	0.5723	0.4158	0.5066	0.7568	0.5179
	no	0.6655	0.5395	0.4324	0.4973	0.7536	0.5445
Education Level							
No HS degree	yes	0.5186	0.6386	0.5824	0.4018	0.4449	0.3181
	no	0.5620	0.7063	0.7027	0.4783	0.5139	0.3984
HS degree	yes	0.4450	0.3545	0.4565	0.5014	0.6338	0.3770
	no	0.5887	0.4258	0.5157	0.5947	0.7175	0.5421
Some college	yes	0.3858	0.4708	0.2704	0.4724	0.7016	0.4298
	no	0.4927	0.5691	0.4570	0.5373	0.7445	0.5288
College graduate	yes	0.5020	0.6807	0.6250	0.4894	0.7008	0.6200
	no	0.4574	0.6859	0.5779	0.4533	0.6929	0.5917
Age							
16 to 24 years	yes	0.3372	0.3110	0.3958	0.6546	0.3672	0.3393
	no	0.3991	0.3336	0.5032	0.7026	0.4998	0.5048
25 to 44 years	yes	0.3967	0.6324	0.3893	0.4720	0.7384	0.4007
	no	0.4470	0.5864	0.4234	0.4461	0.7482	0.4052
45 to 64 years	yes	0.4427	0.5188	0.5261	0.5361	0.4740	0.4378
	no	0.5640	0.5561	0.5410	0.5849	0.5155	0.5414
Country of Birth							
Not USA	yes	0.3307	0.4881	0.5737	0.7932	0.3848	0.2885
	no	0.4358	0.5645	0.6900	0.8386	0.5096	0.3980
USA	yes	0.4847	0.5998	0.3325	0.4344	0.6650	0.4294
	no	0.5859	0.5883	0.4007	0.4462	0.6888	0.4490

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-23. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in Texas sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.3289	0.5877	0.6021	0.8470	0.7856	0.4302
	no	0.3807	0.6675	0.6518	0.8215	0.8005	0.4872
Gender							
Male	yes	0.4216	0.5078	0.5764	0.6979	0.5525	0.4404
	no	0.4063	0.5407	0.5894	0.6889	0.5900	0.4718
Female	yes	0.3462	0.6287	0.4100	0.6525	0.6864	0.4531
	no	0.4390	0.6614	0.5058	0.6701	0.6893	0.4368
Race/Ethnicity							
Black	yes	0.2817	0.4027	0.3892	0.3046	0.2146	0.1863
	no	0.3411	0.4499	0.5023	0.3397	0.2269	0.2619
Hispanic	yes	0.2895	0.4103	0.4047	0.5005	0.5993	0.2495
	no	0.3494	0.5311	0.4879	0.6379	0.6777	0.3517
Other	yes	0.5107	0.6142	0.6634	0.8118	0.8147	0.6007
	no	0.5447	0.6628	0.6829	0.7743	0.8126	0.6057
Education Level							
No HS degree	yes	0.4225	0.5119	0.5625	0.4516	0.3526	0.3598
	no	0.4542	0.5416	0.6136	0.5243	0.4166	0.4261
HS degree	yes	0.3409	0.4104	0.4964	0.5182	0.5129	0.3930
	no	0.4589	0.5304	0.5842	0.6227	0.6424	0.5541
Some college	yes	0.2857	0.6572	0.8040	0.5851	0.6697	0.4407
	no	0.3312	0.7063	0.8035	0.6291	0.6310	0.4832
College graduate	yes	0.5585	0.6557	0.4389	0.7937	0.7507	0.6562
	no	0.5260	0.6071	0.4584	0.7876	0.7642	0.6598
Age							
16 to 24 years	yes	0.4011	0.7459	0.6615	0.4617	0.4956	0.3325
	no	0.4642	0.7183	0.7383	0.5174	0.5756	0.4641
25 to 44 years	yes	0.2272	0.4079	0.4849	0.8147	0.7752	0.4699
	no	0.3017	0.5017	0.5485	0.7914	0.7916	0.4616
45 to 64 years	yes	0.5625	0.5114	0.5196	0.6018	0.6939	0.5473
	no	0.6063	0.6017	0.6032	0.6688	0.7438	0.6138
Country of Birth							
Not USA	yes	0.4075	0.4577	0.5661	0.7094	0.6229	0.3639
	no	0.4508	0.4877	0.6354	0.8045	0.7321	0.4693
USA	yes	0.2936	0.4931	0.5642	0.7881	0.7661	0.4996
	no	0.3584	0.5884	0.6034	0.7529	0.7667	0.4831

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-24. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in Texas sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	0.2241	0.4726	0.5472	0.6135	0.6658	0.3376
	no	0.3454	0.5131	0.5272	0.6624	0.7115	0.4151
Gender							
Male	yes	0.3876	0.3573	0.6171	0.6089	0.5879	0.3230
	no	0.4302	0.3666	0.6153	0.6481	0.6637	0.3382
Female	yes	0.3777	0.7730	0.6185	0.6074	0.5756	0.4491
	no	0.4636	0.7680	0.6340	0.6523	0.5456	0.4512
Race/Ethnicity							
Black	yes	0.3334	0.3643	0.3101	0.2905	0.5769	0.1644
	no	0.4562	0.4302	0.3640	0.3379	0.6315	0.2653
Hispanic	yes	0.2444	0.5400	0.3662	0.5042	0.1135	0.2552
	no	0.3852	0.6590	0.5920	0.8300	0.1179	0.4480
Other	yes	0.5096	0.5414	0.5841	0.6261	0.7225	0.6017
	no	0.5785	0.5578	0.5488	0.6421	0.7186	0.5857
Education Level							
No HS degree	yes	0.2382	0.4906	0.3193	0.3850	0.3460	0.2591
	no	0.3514	0.4326	0.4258	0.5265	0.3745	0.3968
HS degree	yes	0.3371	0.4231	0.3840	0.3835	0.7888	0.2941
	no	0.5121	0.5838	0.4519	0.4797	0.7985	0.4664
Some college	yes	0.3528	0.3052	0.5782	0.7458	0.5754	0.4272
	no	0.4475	0.3923	0.6221	0.7843	0.6441	0.4500
College graduate	yes	0.3963	0.5069	0.5602	0.4148	0.6485	0.7349
	no	0.3674	0.4631	0.5031	0.4337	0.6166	0.6912
Age							
16 to 24 years	yes	0.3403	0.4563	0.3251	0.2587	0.4060	0.3640
	no	0.4795	0.5121	0.4123	0.3416	0.5453	0.5427
25 to 44 years	yes	0.2600	0.5587	0.5887	0.7465	0.7349	0.3338
	no	0.3734	0.5810	0.5848	0.7420	0.7426	0.3552
45 to 64 years	yes	0.4914	0.3680	0.5069	0.6632	0.5540	0.5058
	no	0.5559	0.4260	0.5262	0.7337	0.5554	0.5849
Country of Birth							
Not USA	yes	0.3496	0.3506	0.4737	0.7740	0.5939	0.3591
	no	0.4308	0.4279	0.5195	0.8248	0.6355	0.4511
USA	yes	0.3133	0.4794	0.5964	0.6137	0.6736	0.3836
	no	0.3972	0.5195	0.5759	0.6609	0.7061	0.4372

* Compositing factors reflect imputation variance as well as sampling variance.

Table O-25. NALS compositing analysis: Compositing factors* for average prose proficiency and literacy levels in Washington sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.8765	0.8587	0.7978	0.8601	0.9465	0.8524
Gender							
Male	yes	–	–	–	–	–	–
	no	0.8315	0.8525	0.7959	0.8618	0.9576	0.7963
Female	yes	–	–	–	–	–	–
	no	0.9013	0.7357	0.9063	0.9349	0.8685	0.8185
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.7669	0.7446	0.7970	0.6002	0.8971	0.5728
Hispanic	yes	–	–	–	–	–	–
	no	0.7954	0.8691	0.8658	0.9539	0.8512	0.7594
Other	yes	–	–	–	–	–	–
	no	0.9027	0.8084	0.7760	0.8057	0.9292	0.8557
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.9085	0.9454	0.9442	0.8718	0.8898	0.8319
HS degree	yes	–	–	–	–	–	–
	no	0.9125	0.8327	0.8782	0.9084	0.9480	0.8973
Some college	yes	–	–	–	–	–	–
	no	0.9200	0.9078	0.8991	0.9133	0.9443	0.8952
College graduate	yes	–	–	–	–	–	–
	no	0.7330	0.9049	0.8132	0.7425	0.9070	0.8391
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.8550	0.7768	0.8968	0.9476	0.8979	0.9136
25 to 44 years	yes	–	–	–	–	–	–
	no	0.8080	0.8726	0.7965	0.8122	0.9407	0.7682
45 to 64 years	yes	–	–	–	–	–	–
	no	0.9205	0.9052	0.9052	0.9245	0.8950	0.9163
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.8897	0.9327	0.9592	0.9817	0.9193	0.8690
USA	yes	–	–	–	–	–	–
	no	0.9023	0.8860	0.8128	0.8328	0.9308	0.8228

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-26. NALS compositing analysis: Compositing factors* for average document proficiency and literacy levels in Washington sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.7587	0.9316	0.9200	0.9558	0.9617	0.8460
Gender							
Male	yes	–	–	–	–	–	–
	no	0.7568	0.8611	0.8698	0.9071	0.8940	0.8137
Female	yes	–	–	–	–	–	–
	no	0.8191	0.9152	0.8762	0.9264	0.9324	0.8022
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.6999	0.7968	0.8075	0.7162	0.6060	0.5935
Hispanic	yes	–	–	–	–	–	–
	no	0.7547	0.8508	0.8413	0.8937	0.9237	0.7216
Other	yes	–	–	–	–	–	–
	no	0.8452	0.9201	0.9168	0.9135	0.9508	0.8623
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.8531	0.9036	0.9242	0.8852	0.8450	0.8410
HS degree	yes	–	–	–	–	–	–
	no	0.8536	0.8956	0.9169	0.9117	0.9388	0.8915
Some college	yes	–	–	–	–	–	–
	no	0.7972	0.9422	0.9534	0.9101	0.8926	0.8570
College graduate	yes	–	–	–	–	–	–
	no	0.7958	0.8268	0.7990	0.9378	0.9482	0.8896
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.8771	0.9420	0.9584	0.8893	0.9181	0.9002
25 to 44 years	yes	–	–	–	–	–	–
	no	0.6915	0.8603	0.8928	0.9455	0.9557	0.7925
45 to 64 years	yes	–	–	–	–	–	–
	no	0.9178	0.9385	0.9282	0.9402	0.9636	0.9286
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.8804	0.9013	0.9453	0.9786	0.9670	0.8959
USA	yes	–	–	–	–	–	–
	no	0.7438	0.9104	0.8987	0.9328	0.9504	0.8276

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Table O-27. NALS compositing analysis: Compositing factors* for average quantitative proficiency and literacy levels in Washington sample, by Total Population, Gender, Race/Ethnicity, Education Level, Age, and Country of Birth

Demographic Subpopulations	National Certainty PSU?	State Compositing Factor: Beta					
		Level 1 225 or lower	Level 2 226 to 275	Level 3 276 to 325	Level 4 326 to 375	Level 5 376 or higher	Overall Proficiency
Total Population							
Total	yes	–	–	–	–	–	–
	no	0.7425	0.8592	0.8644	0.9323	0.9449	0.8149
Gender							
Male	yes	–	–	–	–	–	–
	no	0.7796	0.7310	0.8931	0.9109	0.9326	0.7066
Female	yes	–	–	–	–	–	–
	no	0.8327	0.9504	0.9178	0.9287	0.8730	0.8132
Race/Ethnicity							
Black	yes	–	–	–	–	–	–
	no	0.7681	0.7744	0.7304	0.7082	0.8900	0.5771
Hispanic	yes	–	–	–	–	–	–
	no	0.7296	0.9058	0.8372	0.9071	0.5159	0.7488
Other	yes	–	–	–	–	–	–
	no	0.8901	0.8568	0.8153	0.9030	0.9165	0.8408
Education Level							
No HS degree	yes	–	–	–	–	–	–
	no	0.7792	0.8593	0.8388	0.8969	0.8380	0.8153
HS degree	yes	–	–	–	–	–	–
	no	0.8776	0.9153	0.8409	0.8732	0.9543	0.8688
Some college	yes	–	–	–	–	–	–
	no	0.8800	0.8334	0.9109	0.9603	0.9250	0.8319
College graduate	yes	–	–	–	–	–	–
	no	0.6717	0.7384	0.7608	0.7674	0.8469	0.8748
Age							
16 to 24 years	yes	–	–	–	–	–	–
	no	0.8920	0.8761	0.8511	0.8246	0.9098	0.9250
25 to 44 years	yes	–	–	–	–	–	–
	no	0.7746	0.8793	0.8726	0.9358	0.9381	0.7236
45 to 64 years	yes	–	–	–	–	–	–
	no	0.9033	0.8645	0.9004	0.9604	0.9140	0.9100
Country of Birth							
Not USA	yes	–	–	–	–	–	–
	no	0.8800	0.8828	0.9115	0.9789	0.9407	0.8886
USA	yes	–	–	–	–	–	–
	no	0.7834	0.8582	0.8873	0.9340	0.9410	0.8349

* Compositing factors reflect imputation variance as well as sampling variance.

– Not available.

Appendix P

**ELECTRONIC CODE BOOK FOR WINDOWS
USER'S MANUAL**

**Appendix P: Electronic Code Book for Windows
User's Manual
NATIONAL ADULT LITERACY SURVEY**

When the Electronic Code Book for Windows (ECBW) is opened, the user will see the main window containing variable names and label names for the 1992 National Adult Literacy Survey. At the top of the table is a menu, and several buttons, which allows users to move throughout the ECBW and obtain the information needed. A description of all of the menu options is provided below. Shortcuts and toolbar buttons are underlined and described within the menu text.

File Menu

The File menu options provide the user with the ability to move and export information about the variables selected from the main window.

- **Output.** The Output option of the File menu allows the user to export the codes that have been selected from the table. The user may export this information to one of the following types of files:

  1. *SAS-PC Code*—Allows the user to create a file that tells a SAS program how to read the data;

  2. *SPSS*—Allows the user to create a file that tells a SPSS program how to read in the data. The data in this file is compressed;

  3. *Code Book Text*—Allows the user to create a file that contains information about the variables selected (frequency, labels, etc.);

  4. *Tag File*—Allows the user to create a file that contains the variables selected so that items do not have to be re-selected each time the user enters the program.

  5. *AccessDB*—Allows the user to create an Access database file that contains the variables selected.

- **View Output.** The View Output option allows the user to look at the output file created

- **Import Tag Files.** The Import Tag Files option allows the user to recall a previously created tag file.

- **Set Up.** The Set Up option tells the user what directory the files are in and where the files are located.

- **Exit.** Used to exit the ECBW.

Move Menu

The Move menu allows the user to move between variable names and labels within the ECBW.

The menu options are:

- Top of List
- Prev Section (previous section)
- Next Section
- Bottom of List
- Prev File (previous file)
- Next File

The six black arrow buttons located on the toolbar can also be used to move within ECBW without accessing the Move menu.

Move Button Options:

Arrow Button	Function
Left/Right arrows with double lines:	Move to top of list/bottom of list
Left/Right arrows with single line:	Move to previous file/next file
Left/Right single arrows:	Move to previous section/next section

Tag Menu

The Tag menu provides options for selecting and deselecting items.

- **Tag/Untag Items.** The Tag Items option in the Tag menu allows the user to select variables within the ECBW once they are highlighted with the mouse. The Untag Items option allows the user to deselect individual items. Users may also select a variable by simply clicking in the box located next to each variable. To deselect the user must click the box a second time.

- **Clear All Tags.** The Clear All Tags option erases all the checked boxes in order to make a new selection of items.

- **Previous Tag/Next Tag.** The Previous Tag and Next Tag options allow the user to move back and forth between the selected variables. Users may also move between tags by clicking on the blue and red arrow buttons located on the toolbar.

View Menu

Once a variable is selected, the user may choose to obtain a more detailed description of the variable. The View menu provides this information.

- **Description.** When chosen, this option produces a Description/Frequency Window. <u>Users may also reach the Description/Frequency Window by double clicking on the selected variable.</u>

- **Description/Frequency Window.** This window has two options.

    1. *View Description.* The header over the window provides the user with information about the survey and where the information came from. The text inside the window provides a description of the variable (parameters, how it was derived, etc.).

    2. *View Frequency.* Provides the user with the code, frequency, and percent category label of the variable selected.

        To exit the window, the user must click on the *X* button in the top right corner of the Description/Frequency Window.

- **Tagged Items.** This option in the View menu allows the user to create a list of the items that have been tagged/checked from the main window. <u>The user may also create a list of tagged items by clicking on the toolbar button that looks like a sheet of paper.</u>

Search Menu

When the Search menu is selected, a search window will appear. This window allows the user to search the Code Book by variable, label, or description in a forward or backward direction. To exit this window, the user must click on the X button in the top right corner of the search window. <u>This window can also be accessed by clicking on the magnifying glass button located on the toolbar.</u>

Help Menu

The Help menu (located in the far right hand corner of the main window) provides the user with information pertaining to the ECBW.

- **Contents.** The user may search for information on a certain topic by selecting the Contents option. Once selected, a new window will appear which allows the user to select a topic of interest.

Help topics include:

- System overview
- The ECB Main Window
- System Requirements
- How to Tag/Untag a Variable
- How to View Descriptions/Frequencies
- How to Create SAS/SPSS Program Code, Codebook Text, Tag and Access Database Files
- How to Navigate Through Variables
- How to View Tagged Variables
- How to Import Tag Files
- How to Search for Text
- How to Change the System Setup

- **Search**—If the user is unsure of which topic to select, or would prefer to search for specific words and phrases in the Help feature, the user must click on the Search button at the top of the Help screen, and follow the given instructions. The user may choose to perform either an Index search, or a Find search by clicking on the tabs located at the top left of the Search Window.

- **Back**—The Back button brings the user back to main topics page, once a topic has been selected and viewed.

- **Print**—Allows the user to print out selections of the Help Manual for hard copy.

- **Other Menu Options: File, Edit, Bookmark, Options, Help.**
  These features allow the user to further manipulate the information in the Help Manual. Certain pages may be copied, saved to another file, bookmarked or annotated, if needed.

To exit the Help window, the user must click on the X button located on the top right corner of the Help window. The user is able to keep this window open while working within the ECBW by shrinking it on the desktop. To minimize the window, the user must click the dashed line button, also located in the top right corner of the Help window (to the left of the X). To enlarge the window, the user must click on the view window button, which is located to the left of the close window (X) button when minimized at the bottom of the screen.

Appendix Q

STANDARD ERRORS FOR TABLE 8.2

Appendix Q: Standard Errors for Table 8.2
NATIONAL ADULT LITERACY SURVEY

Corrected with Taylor Series

		Sufficient cognitive data present				Insufficient cognitive data present			
		Reasons Related to Literacy				Reasons unrelated to literacy			
		Total	Non-English Language	Mental Disability	Reading or writing difficulty	Total	Refused	Physical Disability	Other Unknown No answer
Total	0.005	0.003	0.002	0.001	0.002	0.004	0.002	0.002	0.001
Age									
16 to 64	0.004	0.002	0.002	0.001	0.001	0.003	0.002	0.001	0.001
65 and older	0.015	0.008	0.005	0.004	0.006	0.014	0.008	0.008	0.005
Race/ethnicity									
Hispanic	0.015	0.015	0.015	0.001	0.004	0.005	0.003	0.002	0.003
Asian	0.032	0.028	0.027	0.007	0.004	0.016	0.007	0.012	0.008
Black	0.008	0.006	0.003	0.003	0.004	0.006	0.004	0.004	0.003
White	0.005	0.002	0.000	0.001	0.002	0.004	0.003	0.002	0.002
Other or missing	0.037	0.035	0.029	0.000	0.011	0.016	0.006	0.011	0.012
Language spoken while growing up									
English	0.004	0.002	0.000	0.001	0.002	0.004	0.003	0.002	0.001
Language other than English	0.017	0.015	0.014	0.003	0.006	0.006	0.004	0.004	0.004
Missing data	0.052	0.008	0.000	0.003	0.007	0.051	0.000	0.000	0.051
English spoken while growing up									
Hispanic	0.009	0.006	0.004	0.001	0.004	0.008	0.005	0.002	0.004
Asian	0.042	0.000	0.000	0.000	0.000	0.042	0.016	0.037	0.016
Black	0.008	0.005	0.000	0.003	0.004	0.006	0.004	0.004	0.003
White	0.005	0.002	0.000	0.001	0.002	0.004	0.003	0.002	0.002
English not spoken while growing up									
Hispanic	0.019	0.019	0.020	0.001	0.006	0.007	0.004	0.003	0.005
Asian	0.039	0.037	0.036	0.010	0.006	0.011	0.007	0.005	0.009
Black	0.082	0.085	0.087	0.019	0.000	0.019	0.014	0.003	0.014
White	0.031	0.027	0.017	0.011	0.018	0.016	0.011	0.011	0.010
Education									
0 to 8 years	0.019	0.014	0.014	0.005	0.010	0.013	0.007	0.009	0.007
9 to 12 years	0.011	0.006	0.005	0.003	0.004	0.009	0.005	0.005	0.004
HS grad or GED	0.006	0.003	0.002	0.001	0.002	0.005	0.004	0.002	0.002
Some college	0.004	0.002	0.001	0.001	0.001	0.003	0.003	0.002	0.001
College degree	0.005	0.001	0.001	0.001	0.000	0.004	0.003	0.001	0.002
Other or Missing	0.014	0.012	0.012	0.003	0.002	0.005	0.004	0.003	0.003

Appendix R

STANDARD ERROR TABLES FOR CHAPTER 10

Appendix R: Standard Error Tables for Table 10
NATIONAL ADULT LITERACY SURVEY

Chapter 10   (se's of proportions based on experimental design)

Table 10-2. Standard error of response rate

	$0	$20	$35	overall
Background questionnaire				
Response rate	0.786	0.827	0.844	0.836
N	730	740	818	1558
SE	0.015	0.014	0.013	0.009
Exercise booklet				
Response rate	0.928	0.979	0.98	0.980
N	574	612	690	1302
SE	0.011	0.006	0.005	0.004

Background questionnaire (t-tests)

t of row difference	
$0-$20	2
$20-$35	0.9

Exercise questionnaire (t-tests)

t of row difference	
$0-$20/$35	4.5
$20-$35	0.1

Table 10-3. Standard errors (SE)
(based on assumed equal distribution of cases across all incentive situations within a row)

	Background Questionnaire						Exercise Booklet					
	$0	$20	$35	overall	t $0-$20	t $0-$35	$0	$20	$35	overall	t $0-$20	t $0-$35
Total age (SE)	0.015	0.014	0.013	0.009			0.011	0.006	0.005	0.004		
N	331	331	331	331	0.00		287	287	287	287		
Response rate	0.8	0.884	0.902	0.867			1	1	1	1		
16-24 (SE)	0.038	0.030	0.028	0.019	1.72	2.15	NA	NA	NA	NA		
N	959	959	959	959			807	807	807	807		
Response rate	0.784	0.873	0.86	0.842			0.944	0.983	0.996	0.976		
25-44 (SE)	0.023	0.019	0.019	0.012	3.01	2.52	0.014	0.008	0.004	0.005	2.43	3.58
N	534	534	534	534			423	423	423	423		
Response rate	0.749	0.79	0.833	0.792			0.896	0.958	0.962	0.94		
45-64 (SE)	0.032	0.031	0.028	0.018	0.92	1.96	0.026	0.017	0.016	0.012	2.02	2.18
N	253	253	253	253			206	206	206	206		
Response rate	0.837	0.758	0.831	0.814			0.934	0.978	0.953	0.952		
65-74 (SE)	0.040	0.047	0.041	0.024	-1.28	-0.10	0.030	0.018	0.026	0.015	1.26	0.48
N	160	160	160	160			130	130	130	130		
Response rate	0.86	0.736	0.842	0.813			0.743	0.97	0.919	0.876		
75+ (SE)	0.048	0.060	0.050	0.031	-1.61	-0.26	0.066	0.026	0.041	0.029	3.19	2.25
N	51	51	51	51			23	23	23	23		
Response rate	0.545	0.357	0.462	0.451			1	0.33	1	0.875		
Missing	0.121	0.116	0.121	0.070	-1.12	-0.49	NA	0.170	NA	0.069		

Table 10-3. Standard errors — Continued
(based on assumed equal distribution of cases across all incentive situations within a row)

	Background Questionnaire						Exercise Booklet					
	$0	$20	$35	overall	t $0-$20	t $0-$35	$0	$20	$35	overall	t $0-$20	t $0-$35
Race/ethnicity												
N	1769	1769	1769	1769			1448	1448	1448	1448		
Response rate	0.787	0.811	0.853	0.819			0.934	0.975	0.979	0.964		
White (SE)	0.017	0.016	0.015	0.009	1.03	2.96	0.011	0.007	0.007	0.005	3.07	3.45
N	226	226	226	226			187	187	187	187		
Response rate	0.754	0.883	0.833	0.827			0.864	0.985	0.971	0.949		
Black (SE)	0.050	0.037	0.043	0.025	2.08	1.20	0.043	0.015	0.021	0.016	2.63	2.21
N	161	161	161	161			143	143	143	143		
Response rate	0.857	0.914	0.894	0.888			0.917	1	1	0.969		
Hispanic (SE)	0.048	0.038	0.042	0.025	0.93	0.58	0.040	NA	NA	0.014		
N	69	69	69	69			62	62	62	62		
Response rate	0.8	0.958	0.84	0.87			0.909	1	1	0.98		
Other (SE)	0.083	0.042	0.076	0.040	1.69	0.35	0.063	NA	NA	0.018		
N	63	63	63	63			36	36	36	36		
Response rate	0.667	0.571	0.571	0.603			0.917	0.667	1	0.9		
Missing	0.103	0.108	0.108	0.062	-0.64	-0.64	0.080	0.136	NA	0.050	-1.59	

Table 10-3. Standard errors — Continued
(based on assumed equal distribution of cases across all incentive situations within a row)

	Background Questionnaire						Exercise Booklet					
	$0	$20	$35	overall	t $0-$20	t $0-$35	$0	$20	$35	overall	t $0-$20	t $0-$35
Education												
N							68	68	68	68		
							1	0.955	1	0.985		
Still in HS (SE)							NA	0.044	NA	0.015		
N							358	358	358	358		
Response rate							0.721	0.78	0.789	0.767		
No HS diploma (SE)							0.041	0.038	0.037	0.022	1.06	1.23
N							486	486	486	486		
Response rate							0.867	0.949	0.966	0.894		
HS diploma (SE)							0.027	0.017	0.014	0.014	2.58	3.27
N							553	553	553	553		
Response rate							0.923	0.952	0.973	0.951		
Some college (SE)							0.020	0.016	0.012	0.009		
N							345	345	345	345		
Response rate							0.952	0.962	0.982	0.965		
College degree (SE)							0.020	0.018	0.012	0.010		
N							66	66	66	66		
Response rate							0.467	1	0.65	0.645		
Missing							0.106	NA	0.102	0.059		

Note: NA indicates no variation in (100% response rate) in cell

Table 10-3. Standard errors for exercise booklet (no high school vs. high school)

		No High Sch	High School	t of row
SE	$0	0.041	0.027	2.980
	$20	0.038	0.017	4.055
	$35	0.037	0.014	4.428

Table 10-3. Standard errors for exercise booklet (some college vs. college)

		Some College	College	t of row		t $20-$35
SE	$0	0.020	0.020	1.036	**Some College**	0.420
	$20	0.016	0.018	0.420	**College**	1.063
	$35	0.012	0.012	0.523		

Table 10-3. Standard errors (minority population equals black and Hispanic population combined)

Background questionnaire

SE		Response Rate HisBl	SE HisBlack	Response Rate White	SE White	t of row		t$20-$35
	$0	0.797	0.035	0.787	0.017	0.257	**HisBlack**	0.929
	$20	0.896	0.027	0.811	0.016	2.708		
	$35	0.858	0.031	0.853	0.015	0.158		

Exercise booklet

SE		Response Rate HisBl	SE HisBlack	Response Rate White	SE White	t of row		t $20-$35	t $0-$20
	$0	0.887	0.03	0.934	0.011	1.46	**HisBlack**	0.53	3.33
	$20	0.992	0.009	0.975	0.007	1.46			
	$35	0.984	0.012	0.979	0.007	0.332			

Note: HisBl represents the combination of the Black and Hispanic poulations

Table 10-3. Standard errors (ages 16-64 combined and 65-75+ combined)

Background questionnaire

		Response Rate 16-64	SE 16-64	Response Rate 65-75+	SE 65-75+	t of row
SE	$0	0.777	0.017	0.844	0.031	1.91
	$20	0.851	0.0145	0.758	0.037	2.6
	$35	0.86	0.014	0.833	0.032	0.762

Exercise booklet

		Response Rate 16-64	SE 16-64	Response Rate 65-75+	SE 65-75+	t of row
SE	$0	0.941	0.011	0.86	0.033	2.34
	$20	0.979	0.006	0.975	0.015	0.229
	$35	0.987	0.005	0.94	0.022	2.031

T-tests for background questionnaire compared to exercise booklet

	Response Rate 16-64	Response Rate 65-75+
$0	3.011	0.361
$20	8.085	5.707
$35	8.471	2.742

Table 10-4. Standard errors for initial cooperation rate, by incentive level: 1991 Field test

Incentive	$0	$20	$35		t of $0-$20	t of $0-$35	t of $25-$35
N	566	603	684				
Response rate	0.126	0.066	0.051				
Incomplete (SE)	0.014	0.010	0.008		-3.48	-4.60	-1.14

Table 10-5. Standard errors for initial cooperation rate, by incentive level: Older adults 1991 field test

Incentive	$0	$20	$35		t of $0-$20	t of $0-$35	t of $25-$35
N	135	88	116				
Response rate	0.24	0.09	1				
Incomplete (SE)	0.037	0.031	0.028		-3.14	-3.04	0.24

Table 10-7. Standard errors for prose scale

	Total Std Error	$0 incentive Std Error	$20 incentive Std Error	$35 incentive Std Error	t $0-$20	t $0-$35	t $20-$35
Total	0.244	0.454	0.417	0.396	3.407	2.673	0.869
Sex							
Male	0.366	0.647	0.626	0.617			
Female	0.330	0.640	0.558	0.520			
Race/ethnicity							
White	0.270	0.497	0.481	0.432			
Black	0.704	1.553	0.968	1.190			
Hispanic	0.853	1.418	1.401	1.483			
Education							
Still in H.S.	1.249	2.840	2.226	1.578			
< HS	1.031	1.856	1.734	1.553			
Some HS	0.693	1.342	1.042	1.278			
GED/HSEQ	1.266	1.869	1.897	2.291			
HS diploma	0.447	0.990	0.685	0.697			
Some college	0.430	0.769	0.760	0.706			
College degree	0.411	0.661	0.702	0.733			
Age							
16-20	0.785	1.643	1.241	1.225			
21-25	0.792	1.358	1.729	1.108			
26-31	0.620	1.212	1.071	0.911			
32-45	0.420	0.843	0.661	0.695			
46-64	0.519	0.936	0.884	0.850	t $0-$20	t $0-$35	t $20-$35
65+	0.626	1.005	1.096	1.059	3.43	3.014	0.459
Income							
<$5,000	1.088	2.125	1.450	2.023			
$5-9,999	1.121	2.012	1.928	1.683			
$10-14,999	0.831	1.793	1.489	1.172			
$15-19,999	0.902	1.253	1.677	1.472			
$20-29,999	0.657	1.174	1.120	1.110			
$30-39,999	0.637	1.428	1.017	0.966			
$40-49,999	0.602	1.046	1.059	0.975			
$50,000+	0.422	0.742	0.776	0.673			
Refused	1.708	2.935	2.432	3.033			
Don't know	1.313	2.132	2.013	2.400			

Table 10-8. Standard errors for document scale

	Total Std Error	$0 incentive Std Error	$20 incentive Std Error	$35 incentive Std Error	t $0-$20	t $0-$35	t $20-$35
Total	0.244	0.440	0.417	0.396	2.97	3.55	0.522
Sex							
Male	0.370	0.640	0.632	0.629			
Female	0.324	0.615	0.558	0.514			
Race/ethnicity							
White	0.265	0.482	0.476	0.424			
Black	0.696	1.361	1.084	1.131			
Hispanic	0.970	1.479	1.446	1.967			
Education							
Still in H.S.	1.273	2.482	2.008	2.040			
< HS	1.166	2.482	1.990	1.704			
Some HS	0.641	1.254	0.960	1.175			
GED/HSEQ	1.157	1.447	1.578	2.357			
HS diploma	0.427	0.812	0.742	0.665			
Some college	0.430	0.786	0.813	0.660			
College degree	0.426	0.744	0.746	0.717			
Age							
16-20	0.777	1.477	1.285	1.238			
21-25	0.671	1.157	1.073	1.157			
26-31	0.640	1.285	1.071	0.989			
32-45	0.386	0.731	0.640	0.644			
46-64	0.541	1.015	0.971	0.858	t $0-$20	t $0-$35	t $20-$35
65+	0.596	0.936	1.152	0.961	2.133	3.578	0.668
Income							
<$5,000	1.332	2.700	1.727	2.315			
$5-9,999	1.020	1.856	1.739	1.556			
$10-14,999	0.806	1.706	1.180	1.272			
$15-19,999	0.822	1.236	1.473	1.371			
$20-29,999	0.657	1.152	1.174	1.076			
$30-39,999	0.611	1.248	0.962	0.966			
$40-49,999	0.637	1.108	1.132	1.023			
$50,000+	0.413	0.758	0.719	0.681			
Refused	1.802	2.838	3.154	3.267			
Don't know	1.275	1.897	3.056	1.860			

Table 10-9. Standard errors for quantitative scale

	Total Std Error	$0 incentive Std Error	$20 incentive Std Error	$35 incentive Std Error	t $0-$20	t $0-$35	t $20-$35
Total	0.240	0.418	0.443	0.381	3.284	3.713	0.171
Sex							
Male	0.363	0.653	0.638	0.593			
Female	0.314	0.535	0.605	0.483			
Race/ethnicity							
White	0.257	0.437	0.471	0.419			
Black	0.665	1.377	1.175	0.966			
Hispanic	0.871	1.479	1.506	1.317			
Education							
Still in H.S.	1.188	2.102	2.357	1.751			
< HS	1.052	1.677	1.972	1.598			
Some HS	0.626	1.065	0.995	1.149			
GED/HSEQ	0.912	1.508	1.599	1.375			
HS diploma	0.447	0.871	0.792	0.681			
Some college	0.416	0.718	0.795	0.652			
College degree	0.411	0.686	0.772	0.678			
Age							
16-20	0.745	1.342	1.559	1.038			
21-25	0.792	1.481	1.759	0.972			
26-31	0.633	1.184	1.038	1.022			
32-45	0.412	0.723	0.725	0.665			
46-64	0.519	0.887	1.020	0.800	**t $0-$20**	**t $0-$35**	**t $20-$35**
65+	0.602	0.946	1.073	1.030	2.517	3.718	1.076
Income							
<$5,000	1.434	3.075	2.324	2.210			
$5-9,999	0.929	1.789	1.569	1.414			
$10-14,999	0.873	1.619	1.519	1.335			
$15-19,999	0.963	1.602	1.852	1.386			
$20-29,999	0.599	1.006	1.054	1.053			
$30-39,999	0.598	1.345	0.962	0.888			
$40-49,999	0.560	0.923	1.035	0.927			
$50,000+	0.413	0.642	0.825	0.650			
Refused	1.755	2.644	2.352	4.633			
Don't know	1.088	1.556	2.110	1.520			

Table 10-13. Standard errors

Incentive	$0	$20	t of row difference
Completed screener	0.009	0.002	4.36
Refusal	0.007	0.002	-2.98
Language problem	0.002	0.000	-1.90
Not at home	0.004	0.001	-1.29
Other nonresponse	0.004	0.001	-2.18

Table 10-14. Standard errors

Background questionnaire

Incentive	$0	$20	t of row difference
Completed BQ	0.012	0.003	6.88
Refusal	0.010	0.002	-5.32
Language problem	0.002	0.001	1.07
Physical/mental disability	0.005	0.001	-2.07
Not at home	0.006	0.001	-2.72
Other nonresponse	0.004	0.001	-1.78

Exercise booklet

	$0	$20	t of row difference
Completed exercises	0.014	0.003	7.48
Partially complete	0.009	0.002	-1.25
Language barrier	0.003	0.001	3.39
Physical/mental disability	0.005	0.001	-1.53
Reading/writing barrier	0.004	0.001	0.86
Breakoff, unwilling	0.004	0.001	-1.65
Other nonresponse	0.005	0.001	-2.30
Excerisie not started	0.012	0.002	-7.85
Language problem	0.007	0.001	-2.77
Physical/mental disability	0.005	0.001	-2.54
Reading/writing barrier	0.005	0.001	-3.02
Refusal	0.008	0.001	-5.71
Other nonresponse	0.002	0.000	-0.95

Table 10-15. Standard errors

Background questionnaire response rates

Incentive	$0	$20	t of row difference
All	0.015	0.003	5.90
Age			
16-24	0.036	0.007	5.16
25-44	0.019	0.004	4.40
45-64	0.024	0.006	2.67
65+	0.029	0.011	1.91
Sex			
Male	0.021	0.005	4.22
Female	0.016	0.004	5.41
Race/ethnicity			
Hispanic	0.031	0.009	0.78
Black	0.027	0.007	4.79
White and other	0.016	0.004	5.18

Table 10-16. Standard errors

Exercise booklet

Incentive	$0	$20	t of row difference
All	0.011	0.002	7.29
Age			
16-24	0.024	0.003	2.24
24-44	0.016	0.002	5.00
45-64	0.021	0.004	3.34
65+	0.031	0.009	2.85
Sex			
Male	0.018	0.003	4.59
Female	0.014	0.002	5.59
Race/ethnicity			
Hispanic	0.023	0.005	1.35
Black	0.029	0.005	5.13
White and other	0.013	0.002	5.20
Education			
Some or no high school	0.024	0.005	4.49
HS diploma or GED	0.024	0.004	4.98
Some postsecondary	0.018	0.003	2.81
Some postsecondary	0.019	0.004	1.41