

NAAL 2003 Code book

1. List of variables

Variable	Position	Label
CC001	1	Test item CC001-Document scale (core)
CC002	2	Test item CC002-Document scale (core)
CC003	3	Test item CC003-Prose scale (core)
CC004	4	Test item CC004-Prose scale (core)
CC005	5	Test item CC005-Quantitative scale (core)
CC006	6	Test item CC006-Quantitative scale (core)
CC007	7	Test item CC007-Document scale (core)
C020101	8	Test item C020101-Document scale
C020201	9	Test item C020201-Document scale
C020301	10	Test item C020301-Quantitative scale
C020401	11	Test item C020401-Prose scale
C020501	12	Test item C020501-Prose scale
C020601	13	Test item C020601-Quantitative scale
C020701	14	Test item C020701-Quantitative scale
C020801	15	Test item C020801-Quantitative scale
C020901	16	Test item C020901-Prose scale
C021001	17	Test item C021001-Document scale
C021101	18	Test item C021101-Document scale
C030101	19	Test item C030101-Prose scale
C030201	20	Test item C030201-Prose scale
C030301	21	Test item C030301-Prose scale
C030401	22	Test item C030401-Quantitative scale
C030501	23	Test item C030501-Document scale
C030601	24	Test item C030601-Document scale
C030701	25	Test item C030701-Document scale
C030702	26	Test item C030702-Document scale
C030703	27	Test item C030703-Document scale
C030704	28	Test item C030704-Quantitative scale
C030705	29	Test item C030705-Document scale
C030706	30	Test item C030706-Quantitative scale
C030707	31	Test item C030707-Quantitative scale
C030708	32	Test item C030708-Document scale
C030709	33	Test item C030709-Quantitative scale
C040101	34	Test item C040101-Prose scale
C040201	35	Test item C040201-Prose scale
C040301	36	Test item C040301-Prose scale
C040401	37	Test item C040401-Quantitative scale
C040501	38	Test item C040501-Document scale
C040502	39	Test item C040502-Document scale
C040503	40	Test item C040503-Document scale

Variable	Position	Label
C040504	41	Test item C040504-Document scale
C040601	42	Test item C040601-Quantitative scale
C040701	43	Test item C040701-Prose scale
C040801	44	Test item C040801-Quantitative scale
C050101	45	Test item C050101-Document scale
C050201	46	Test item C050201-Document scale
C050301	47	Test item C050301-Quantitative scale
C050401	48	Test item C050401-Prose scale
C050501	49	Test item C050501-Document scale
C050601	50	Test item C050601-Quantitative scale
C050701	51	Test item C050701-Quantitative scale
C050801	52	Test item C050801-Prose scale
C050901	53	Test item C050901-Prose scale
C051001	54	Test item C051001-Prose scale
C051101	55	Test item C051101-Prose scale
C060101	56	Test item C060101-Prose scale
C060201	57	Test item C060201-Prose scale
C060301	58	Test item C060301-Document scale
C060501	59	Test item C060501-Document scale
C060601	60	Test item C060601-Document scale
C060701	61	Test item C060701-Quantitative scale
C060801	62	Test item C060801-Quantitative scale
C060901	63	Test item C060901-Document scale
C061001	64	Test item C061001-Prose scale
C061101	65	Test item C061101-Prose scale
C070101	66	Test item C070101-Prose scale
C070201	67	Test item C070201-Prose scale
C070301	68	Test item C070301-Quantitative scale
C070401	69	Test item C070401-Prose scale
C070501	70	Test item C070501-Document scale
C070601	71	Test item C070601-Quantitative scale
C070701	72	Test item C070701-Prose scale
C070801	73	Test item C070801-Quantitative scale
C070901	74	Test item C070901-Prose scale
C071001	75	Test item C071001-Document scale
C071101	76	Test item C071101-Prose scale
C080101	77	Test item C080101-Quantitative scale
C080201	78	Test item C080201-Document scale
C080301	79	Test item C080301-Prose scale
C080401	80	Test item C080401-Prose scale
C080501	81	Test item C080501-Document scale
C080502	82	Test item C080502-Document scale
C080503	83	Test item C080503-Document scale

Variable	Position	Label
C080504	84	Test item C080504-Document scale
C080601	85	Test item C080601-Prose scale
C080701	86	Test item C080701-Prose scale
C080801	87	Test item C080801-Quantitative scale
N010101	88	Test item N010101-Prose scale
N010201	89	Test item N010201-Prose scale
N010301	90	Test item N010301-Prose scale
N010401	91	Test item N010401-Document scale
N010501	92	Test item N010501-Quantitative scale
N010601	93	Test item N010601-Quantitative scale
N010701	94	Test item N010701-Quantitative scale
N010801	95	Test item N010801-Document scale
N010901	96	Test item N010901-Document scale
N011001	97	Test item N011001-Prose scale
N011101	98	Test item N011101-Quantitative scale
N090101	99	Test item N090101-Quantitative scale
N090201	100	Test item N090201-Quantitative scale
N090301	101	Test item N090301-Document scale
N090401	102	Test item N090401-Document scale
N090501	103	Test item N090501-Document scale
N090601	104	Test item N090601-Prose scale
N090701	105	Test item N090701-Prose scale
N090801	106	Test item N090801-Prose scale
N090901	107	Test item N090901-Quantitative scale
N091001	108	Test item N091001-Quantitative scale
N100101	109	Test item N100101-Prose scale
N100201	110	Test item N100201-Prose scale
N100301	111	Test item N100301-Prose scale
N100401	112	Test item N100401-Prose scale
N100501	113	Test item N100501-Document scale
N100601	114	Test item N100601-Document scale
N100701	115	Test item N100701-Document scale
N100801	116	Test item N100801-Quantitative scale
N100901	117	Test item N100901-Quantitative scale
N101001	118	Test item N101001-Quantitative scale
N110101	119	Test item N110101-Prose scale
N110201	120	Test item N110201-Quantitative scale
N110301	121	Test item N110301-Document scale
N110302	122	Test item N110302-Document scale
N110303	123	Test item N110303-Quantitative scale
N110401	124	Test item N110401-Prose scale
N110501	125	Test item N110501-Prose scale
N110601	126	Test item N110601-Prose scale

Variable	Position	Label
N110701	127	Test item N110701-Document scale
N110801	128	Test item N110801-Quantitative scale
N110901	129	Test item N110901-Document scale
N120101	130	Test item N120101-Document scale
N120201	131	Test item N120201-Document scale
N120301	132	Test item N120301-Prose scale
N120401	133	Test item N120401-Prose scale
N120501	134	Test item N120501-Prose scale
N120601	135	Test item N120601-Document scale
N120701	136	Test item N120701-Quantitative scale
N120801	137	Test item N120801-Quantitative scale
N120901	138	Test item N120901-Prose scale
N121001	139	Test item N121001-Quantitative scale
N121101	140	Test item N121101-Quantitative scale
N130101	141	Test item N130101-Document scale
N130102	142	Test item N130102-Document scale
N130103	143	Test item N130103-Document scale
N130104	144	Test item N130104-Document scale
N130201	145	Test item N130201-Prose scale
N130301	146	Test item N130301-Prose scale
N130401	147	Test item N130401-Prose scale
N130501	148	Test item N130501-Quantitative scale
N130601	149	Test item N130601-Quantitative scale
N130701	150	Test item N130701-Quantitative scale
N130801	151	Test item N130801-Prose scale
CN130901	152	Test item CN130901-Quantitative scale
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varunit	155	Randomly assigned variance unit
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## 2. Frequencies of selected variables

### d\_sex2 Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Female	10362	53.8	53.8	53.8
	1 Male	8896	46.2	46.2	100.0
	Total	19258	100.0	100.0	

### d\_age2 Age

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 16-24	3130	16.3	16.3	16.3
	2 25-39	5852	30.4	30.4	46.6
	3 40-49	3819	19.8	19.8	66.5
	4 50 and older	6457	33.5	33.5	100.0
	Total	19258	100.0	100.0	

**d\_race4 Race/Ethnicity**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 White	11035	57.3	57.3	57.3
	2 Black	3943	20.5	20.5	77.8
	3 Hispanic	3312	17.2	17.2	95.0
	4 Other (includes multiracial)	966	5.0	5.0	100.0
	Total	19256	100.0	100.0	
Missing	System	2	.0		
Total		19258	100.0		

**d\_usborn Country of birth**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not born in U.S.	3096	16.1	16.1	16.1
	1 U.S. born	16158	83.9	83.9	100.0
	Total	19254	100.0	100.0	
Missing	System	4	.0		
Total		19258	100.0		

**d\_arrive2 Age of arrival in the U.S.**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 U.S. born	16158	83.9	84.0	84.0
	2 0-18	1258	6.5	6.5	90.5
	3 19 or older	1823	9.5	9.5	100.0
	Total	19239	99.9	100.0	
Missing	System	19	.1		
Total		19258	100.0		

**d\_firstlang2 Language spoken before starting school**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 English only	15184	78.8	78.9	78.9
	2 English & other (inc Spanish)	1144	5.9	5.9	84.8
	3 Other only	2921	15.2	15.2	100.0
	Total	19249	100.0	100.0	
Missing	System	9	.0		
Total		19258	100.0		

**d\_engage2 Age learned to speak English**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 English only	14291	74.2	74.3	74.3
	2 1-10	2847	14.8	14.8	89.0
	3 11+	1310	6.8	6.8	95.9
	4 Does not speak English	798	4.1	4.1	100.0
	Total	19246	99.9	100.0	
Missing	System	12	.1		
Total		19258	100.0		

**d\_edattain2 Educational attainment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Still in H.S.	595	3.1	3.1	3.1
	2 Less than/some high school	4205	21.8	21.9	24.9
	3 GED/Equivalency	1124	5.8	5.8	30.8
	4 H.S. grad	3941	20.5	20.5	51.3
	5 Vocational or trade or business school	1043	5.4	5.4	56.7
	6 Some college	2292	11.9	11.9	68.6
	7 A.A./2 years of studies	2213	11.5	11.5	80.1
	8 College +	3830	19.9	19.9	100.0
	Total	19243	99.9	100.0	
Missing	System	15	.1		
Total		19258	100.0		

**d\_lforce2 Labor force participation**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Employed full time	8544	44.4	44.4	44.4
	2 Employed part time	2126	11.0	11.1	55.5
	3 Employed but not at work	653	3.4	3.4	58.9
	4 Unemployed	957	5.0	5.0	63.8
	5 Out of labor force	5801	30.1	30.2	94.0
	6 Not applicable	1156	6.0	6.0	100.0
	Total	19237	99.9	100.0	
Missing	System	21	.1		
Total		19258	100.0		

**d\_med2 Mother's educational attainment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than/some high school	6802	35.3	38.8	38.8
	2 GED/Equivalency	624	3.2	3.6	42.4
	3 H.S. grad	5289	27.5	30.2	72.5
	4 Vocational or trade or business school	680	3.5	3.9	76.4
	5 Some college	857	4.5	4.9	81.3
	6 A.A./2 years of studies	1140	5.9	6.5	87.8
	7 College +	2138	11.1	12.2	100.0
	Total	17530	91.0	100.0	
Missing	System	1728	9.0		
Total		19258	100.0		

**d\_fed2 Father's educational attainment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than/some high school	6637	34.5	40.1	40.1
	2 GED/Equivalency	529	2.7	3.2	43.3
	3 H.S. grad	4520	23.5	27.3	70.6
	4 Vocational or trade or business school	621	3.2	3.7	74.3
	5 Some college	697	3.6	4.2	78.5
	6 A.A./2 years of studies	872	4.5	5.3	83.8
	7 College +	2687	14.0	16.2	100.0
	Total	16563	86.0	100.0	
Missing	System	2695	14.0		
Total		19258	100.0		



**d\_parented2 Parents' educational attainment (highest)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Less than/some high school	5588	29.0	31.1	31.1
	2 GED/Equivalency	514	2.7	2.9	34.0
	3 H.S. grad	5048	26.2	28.1	62.0
	4 Vocational or trade or business school	822	4.3	4.6	66.6
	5 Some college	1051	5.5	5.8	72.5
	6 A.A./2 years of studies	1353	7.0	7.5	80.0
	7 College +	3597	18.7	20.0	100.0
	Total	17973	93.3	100.0	
Missing	System	1285	6.7		
Total		19258	100.0		

**d\_marital Marital status**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Never married	5555	28.8	28.9	28.9
	2 Married or living as married	8951	46.5	46.6	75.5
	3 Separated or divorced or widowed	4706	24.4	24.5	100.0
	Total	19212	99.8	100.0	
Missing	System	46	.2		
Total		19258	100.0		

**d\_health Self-assessment of overall health**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Poor	845	4.4	4.4	4.4
	2 Fair	2289	11.9	11.9	16.3
	3 Good	4695	24.4	24.4	40.7
	4 Very good	6711	34.8	34.9	75.6
	5 Excellent	4693	24.4	24.4	100.0
	Total	19233	99.9	100.0	
Missing	System	25	.1		
Total		19258	100.0		

**d\_vision Vision problem**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No	16759	87.0	87.1	87.1
	1 Yes	2481	12.9	12.9	100.0
	Total	19240	99.9	100.0	
Missing	System	18	.1		
Total		19258	100.0		

**d\_hearing Hearing problem**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No	17236	89.5	89.6	89.6
	1 Yes	2006	10.4	10.4	100.0
	Total	19242	99.9	100.0	
Missing	System	16	.1		
Total		19258	100.0		

**d\_learndis Learning disability**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No	18034	93.6	93.8	93.8
	1 Yes	1188	6.2	6.2	100.0
	Total	19222	99.8	100.0	
Missing	System	36	.2		
Total		19258	100.0		

**d\_otherdis Other disability**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 No	16202	84.1	84.2	84.2
	1 Yes	3038	15.8	15.8	100.0
	Total	19240	99.9	100.0	
Missing	System	18	.1		
Total		19258	100.0		

**d\_workhis Work history**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Held a job within last 3 years	14042	72.9	73.0	73.0
	2 Held a job but not within last 3 years	3236	16.8	16.8	89.8
	3 Never employed either part or full time	796	4.1	4.1	94.0
	4 Not applicable	1156	6.0	6.0	100.0
	Total	19230	99.9	100.0	
Missing	System	28	.1		
Total		19258	100.0		

**d\_bustype Type of employer**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Government	2329	12.1	12.3	12.3
	2 Private employer	10715	55.6	56.5	68.7
	3 Self-employed	1253	6.5	6.6	75.4
	4 Family business	196	1.0	1.0	76.4
	5 Not applicable	4481	23.3	23.6	100.0
	Total	18974	98.5	100.0	
Missing	System	284	1.5		
Total		19258	100.0		

**d\_selfemploy Self-employed**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Self-employed all year	999	5.2	5.2	5.2
	2 Had other jobs	151	.8	.8	6.0
	3 Not self-employed	12803	66.5	66.9	72.9
	4 Not applicable	5188	26.9	27.1	100.0
	Total	19141	99.4	100.0	
Missing	System	117	.6		
Total		19258	100.0		

**d\_live2 Years living in the U.S**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 U.S. Born	16158	83.9	83.9	83.9
	2 1-5	751	3.9	3.9	87.8
	3 6 or more	2342	12.2	12.2	100.0
	Total	19251	100.0	100.0	
Missing	System	7	.0		
Total		19258	100.0		

**d\_readnews Frequency of reading newspapers/magazines in English**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Never	1518	7.9	7.9	7.9
	1 Less than once a week	1809	9.4	9.4	17.3
	2 Once a week	2315	12.0	12.0	29.3
	3 A few times a week	4877	25.3	25.3	54.7
	4 Every day	8726	45.3	45.3	100.0
	Total	19245	99.9	100.0	
Missing	System	13	.1		
Total		19258	100.0		

**d\_readbooks Frequency of reading books in English**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Never	2740	14.2	14.2	14.2
	1 Less than once a week	4460	23.2	23.2	37.4
	2 Once a week	1959	10.2	10.2	47.6
	3 A few times a week	3828	19.9	19.9	67.5
	4 Every day	6258	32.5	32.5	100.0
	Total	19245	99.9	100.0	
Missing	System	13	.1		
Total		19258	100.0		

**d\_readletters Frequency of reading letters/notes in English**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Never	1719	8.9	8.9	8.9
	1 Less than once a week	2475	12.9	12.9	21.8
	2 Once a week	1807	9.4	9.4	31.2
	3 A few times a week	3948	20.5	20.5	51.7
	4 Every day	9294	48.3	48.3	100.0
	Total	19243	99.9	100.0	
Missing	System	15	.1		
Total		19258	100.0		

**d\_musborn Mother's country of birth**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Other country	4247	22.1	22.1	22.1
	1 U.S. born	14962	77.7	77.9	100.0
	Total	19209	99.7	100.0	
Missing	System	49	.3		
Total		19258	100.0		

**d\_fusborn Father's country of birth**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Other country	4313	22.4	22.7	22.7
	1 U.S. born	14722	76.4	77.3	100.0
	Total	19035	98.8	100.0	
Missing	System	223	1.2		
Total		19258	100.0		

**impflgCC001 Imputation flag for CC001**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	19103	99.2	99.2	99.2
	1 Imputed	155	.8	.8	100.0
	Total	19258	100.0	100.0	

**impflgCC002 Imputation flag for CC002**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	19018	98.8	98.8	98.8
	1 Imputed	240	1.2	1.2	100.0
	Total	19258	100.0	100.0	

**impflgCC003 Imputation flag for CC003**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	18901	98.1	98.1	98.1
	1 Imputed	357	1.9	1.9	100.0
	Total	19258	100.0	100.0	

**impflgCC004 Imputation flag for CC004**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	18311	95.1	95.1	95.1
	1 Imputed	947	4.9	4.9	100.0
	Total	19258	100.0	100.0	

**impflgCC005 Imputation flag for CC005**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	18301	95.0	95.0	95.0
	1 Imputed	957	5.0	5.0	100.0
	Total	19258	100.0	100.0	

**impflgCC006 Imputation flag for CC006**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	18736	97.3	97.3	97.3
	1 Imputed	522	2.7	2.7	100.0
	Total	19258	100.0	100.0	

**impflgCC007 Imputation flag for CC007**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	17999	93.5	93.5	93.5
	1 Imputed	1259	6.5	6.5	100.0
	Total	19258	100.0	100.0	

**IMPFLGAGE Age in Years Imputation Flag**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0 Not Imputed	19249	100.0	100.0	100.0
	1 Imputed	9	.0	.0	100.0
	Total	19258	100.0	100.0	