

## Phone: Cognition - Letter/Category Fluency

CCOGFLU - Cognition Fluency Module

### OVERVIEW

The Fluency section is a task which tests cognitive ability by asking the respondent to name as many items that fit specified parameters as they can in the 60 seconds they are given. For Letter Fluency, the specified parameters include instructions to think of as many words as they can beginning with either an "L" or an "F", which are randomly selected. They are further instructed that they cannot use proper names, repeat words, or use the same words with different endings. Similar instructions are given for the Category Fluency section. In the Category Fluency section the respondent is asked to think of as many things they can that either fit in the category of "foods" or "animals," which are randomly selected.

If the respondent has refused the interviewer permission to record the interview at the beginning of the interview, before the fluency task is started, they ask special permission to record just the cognition section. If this permission to record is further denied, the fluency section is skipped for it can not be coded during the interview. If this special permission is granted, only the fluency section is recorded, and the recording stops after the fluency section is completed.

For full decision rules on what counts as a "scorable" answer, please see cor860.

IMPORTANT NOTE: WLS staff have discovered inconsistencies in the 2005 cognitive fluency data contained within this module. The identified issues were corrected prior to releasing the 2011 rendition of the Cognition - Letter/Category Module but have been left unresolved in the 2005 data. Please see cor1022 in Appendix G for a full account of the problems identified, as well as a solution that users can implement to bring the 2005 analysis data into alignment with 2011 conventions.

### BRIEF VARIABLE DESCRIPTIONS

Letter Fluency:	80% Sample
Category Fluency:	50% Sample
CI201REC - CI206REC:	Administrative and Error Codes -Letter Fluency
CI210REC:	Total Letter Fluency Score
CI211REC - CI216REC:	Raw Counting Variables - Letter Fluency
CI220REC - CI247REC:	Scores and Raw Counting Variables by Quartile - Letter Fluency
CI301REC - CI306REC:	Administrative and Error Codes - Category Fluency
CI310REC:	Total Category Fluency Score

CI311REC - CI316REC: Raw Counting Variables - Category Fluency

CI320REC - CI347REC: Scores and Raw Counting Variables by Quartile  
- Category Fluency

Note: See COR 963 in Appendix G for variable creation details

### **ci201re: Sample flag for 80% letter Fluency task.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: ALCFLAG

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
0	RESPONDENT NOT IN THE 80% SAMPLE	423	491	914
1	RESPONDENT IS IN THE 80% SAMPLE	1607	1749	3356

Note: This sample is an 80% sample, the same one as the 80% alcohol sample.

### **ci202rec: Detailed code for letter Fluency not ascertained.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: illa1, illb1  
Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP (CI211REC != -4)	1809	2030	3839
1	MISSING OR TOO POOR AUDIO RECORDING	167	164	331
2	INTERVIEWER ERROR, FULL MINUTE NOT RECEIVED	19	18	37
3	TASK INTERRUPTED BY EVENT PRIOR TO COMPLETION	5	4	9
4	PARTICIPANT RECEIVED HELP FROM THIRD PARTY DURING TASK	6	3	9
5	SEVERE TASK MISUNDERSTANDING OR CONFUSION	2	2	4
6	INVALIDATING ANSWER STRATEGY	5	7	12
8	MISHEARD LETTER, NOT PROPERLY CORRECTED	17	11	28
9	CANNOT BE SCORED, REASON NOT OTHERWISE SPECIFIED	0	1	1

Note: See Appendix G cor860FluencyCodingSupervisorInstructions.doc for the specifics on what rules were followed to determine which detailed code was given.

### **ci203rec: Detailed code for letter Fluency refused.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: illa1, illb1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP (CI211REC != -3)	1935	2165	4100
1	REFUSAL BEFORE TASK BEGAN	39	20	59
2	REFUSAL DURING ADMINISTRATION OF TASK	40	39	79
3	REFUSED AUDIO RECORDING OF SURVEY	16	16	32

Note: Cases are counted as refused for any of these reasons, the detailed code specifies what type of refusal it was.

### **ci204rec: Detailed code for letter Fluency cautions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: illa1, illb1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP	2013	2230	4243
1	BRIEF INTERRUPTION OR DISTRACTION DURING TASK	6	1	7
2	TASK UNDERSTANDING PROBLEM	4	6	10
3	OBVIOUS LOW EFFORT BY PARTICIPANT	1	0	1
4	PARTICIPANT DIGRESSES OFF TASK OR NONTRIVIAL INTERVIEWER-PARTICIPANT INTERACTION	4	2	6
5	AUDIO QUALITY MIGHT HAVE RESULTED IN WORD MISSED	2	1	3

Note: See Appendix G cor860FluencyCodingSupervisorInstructions.doc for the specifics on what rules were followed to determine which detailed code was given.

### **ci205rec: Time until termination for incomplete cases.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: illa1, illb1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP	1926	2134	4060
0 - 37		21	21	42
38 - 49		21	21	42
50 - 55		21	24	45
56 - 58		23	23	46
59 - 62		18	17	35

### **ci206re: Version of letter Fluency task, 'F' or 'L'.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: illa1, illb1  
 Revisions: Updated 10/06

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP	429	498	927
1	F	801	871	1672
2	L	800	871	1671

Note: Random assignment of either values 1 or 2 were given to the case, which determined the letter the R Receives for Letter Fluency.  
 Please see change notice #24 for update details.

### **ci210rec: Letter Fluency: Total number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: illa1, illb1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	221	210	431
-3	REFUSED	82	58	140
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0 - 8		400	309	709
9 - 11		329	387	716
12 - 14		303	359	662
15 - 19		224	336	560
20 - 31		48	89	137

Note: This variable is the total number of scored words for the Letter Fluency task after all the coding rules were implemented. These rules are documented in cor860.

**ci211rec: Letter Fluency: Total raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i11a1, i11b1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	221	210	431
-3	REFUSED	82	58	140
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0 - 9		409	345	754
10 - 12		334	358	692
13 - 15		280	327	607
16 - 20		218	342	560
21 - 37		63	108	171

**ci212rec: Letter Fluency: Total number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: illa1, illb1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	221	210	431
-3	REFUSED	82	58	140
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		808	881	1689
1		335	394	729
2		109	122	231
3		35	53	88
4		13	18	31
5		2	5	7
6		2	2	4
7		0	3	3
9		0	1	1
18		0	1	1

**ci213rec: Letter Fluency: Total number of repeated words with different endings.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07



Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	221	210	431
-3	REFUSED	82	58	140
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1097	1207	2304
1		171	224	395
2		29	36	65
3		6	11	17
4		1	0	1
6		0	1	1
17		0	1	1

**ci214rec: Letter Fluency: Total number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	221	210	431
-3	REFUSED	82	58	140
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1187	1325	2512
1		107	142	249
2		9	11	20
3		1	2	3

**ci215rec: Letter Fluency: Total number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	221	210	431
-3	REFUSED	82	58	140
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1053	1272	2325
1		180	166	346
2		43	29	72
3		14	9	23
4		7	1	8
5		4	0	4
6		1	0	1
7		1	3	4
8		1	0	1

**ci216rec: Letter Fluency: Total number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i11a1, i11b1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	221	210	431
-3	REFUSED	82	58	140
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1247	1438	2685
1		46	36	82
2		6	3	9
3		2	3	5
4		1	0	1
6		1	0	1
9		1	0	1

**ci220rec: Letter Fluency, Quartile 1: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	209	197	406
-3	REFUSED	94	71	165
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		20	9	29
1		17	13	30
2		59	34	93
3		141	106	247
4		245	204	449
5		257	292	549
6		246	316	562
7		155	207	362
8		94	157	251
9		50	92	142
10		17	31	48
11		1	12	13
12		2	4	6
13		0	1	1
14		0	2	2

**ci221rec: Letter Fluency, Quartile 1: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i11a1, i11b1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	209	197	406
-3	REFUSED	94	71	165
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		13	8	21
1		16	8	24
2		42	31	73
3		119	87	206
4		230	191	421
5		254	269	523
6		256	308	564
7		175	240	415
8		105	171	276
9		59	104	163
10		29	41	70
11		4	14	18
12		2	5	7
13		0	1	1
14		0	2	2

**ci222rec: Letter Fluency, Quartile 1: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	209	197	406
-3	REFUSED	94	71	165
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1198	1361	2559
1		95	108	203
2		10	11	21
3		1	0	1

**ci223rec: Letter Fluency, Quartile 1: Number of repeated words with different endings.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i11a1, i11b1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	209	197	406
-3	REFUSED	94	71	165
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1244	1400	2644
1		55	76	131
2		5	4	9

**ci224rec: Letter Fluency, Quartile 1: Number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	209	197	406
-3	REFUSED	94	71	165
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1295	1460	2755
1		8	20	28
2		1	0	1

**ci225rec: Letter Fluency, Quartile 1: Number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07



Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	209	197	406
-3	REFUSED	94	71	165
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1168	1374	2542
1		103	88	191
2		22	15	37
3		8	3	11
4		3	0	3

**ci226rec: Letter Fluency, Quartile 1: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	209	197	406
-3	REFUSED	94	71	165
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1281	1462	2743
1		18	13	31
2		1	4	5
3		1	1	2
4		1	0	1
5		2	0	2

**ci227rec: Letter Fluency, Quartile 2: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		407	330	737
1		243	252	495
2		321	360	681
3		264	337	601
4		179	219	398
5		85	119	204
6		31	50	81
7		12	18	30
8		1	5	6
9		0	1	1

**ci228rec: Letter Fluency, Quartile 2: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		356	300	656
1		232	219	451
2		299	314	613
3		261	353	614
4		215	246	461
5		109	149	258
6		54	74	128
7		11	22	33
8		5	8	13
9		1	5	6
16		0	1	1

**ci229rec: Letter Fluency, Quartile 2: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1375	1465	2840
1		147	184	331
2		17	34	51
3		2	5	7
4		2	1	3
5		0	1	1
12		0	1	1

**ci230rec: Letter Fluency, Quartile 2: Number of repeated words with different endings.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i11a1, i11b1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1479	1600	3079
1		57	81	138
2		7	9	16
11		0	1	1

### **ci231rec: Letter Fluency, Quartile 2: Number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1502	1647	3149
1		40	43	83
2		0	1	1
3		1	0	1

### **ci232rec: Letter Fluency, Quartile 2: Number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1468	1634	3102
1		68	50	118
2		5	5	10
3		2	2	4

### **ci233rec: Letter Fluency, Quartile 2: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1515	1672	3187
1		18	13	31
2		4	1	5
3		2	4	6
4		3	1	4
6		1	0	1

**ci234rec: Letter Fluency, Quartile 3: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07



Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		462	389	851
1		354	393	747
2		326	386	712
3		237	281	518
4		101	140	241
5		46	73	119
6		13	18	31
7		3	8	11
8		0	3	3
9		1	0	1

**ci235rec: Letter Fluency, Quartile 3: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		399	349	748
1		322	322	644
2		333	395	728
3		257	298	555
4		138	190	328
5		63	84	147
6		22	35	57
7		4	11	15
8		4	6	10
9		1	1	2

**ci236rec: Letter Fluency, Quartile 3: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1333	1459	2792
1		187	193	380
2		20	32	52
3		3	4	7
4		0	1	1
5		0	1	1
6		0	1	1

**ci237rec: Letter Fluency, Quartile 3: Number of repeated words with different endings.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: i11a1, i11b1  
Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1478	1611	3089
1		61	76	137
2		4	2	6
3		0	1	1
6		0	1	1

### **ci238rec: Letter Fluency, Quartile 3: Number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1508	1638	3146
1		33	52	85
2		2	1	3

### **ci239rec: Letter Fluency, Quartile 3: Number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1496	1649	3145
1		40	37	77
2		4	5	9
3		3	0	3

### **ci240rec: Letter Fluency, Quartile 3: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1522	1678	3200
1		10	7	17
2		5	4	9
3		1	1	2
4		4	1	5
7		1	0	1

**ci241rec: Letter Fluency, Quartile 4: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		561	514	1075
1		362	410	772
2		321	380	701
3		188	221	409
4		67	113	180
5		34	30	64
6		8	18	26
7		0	4	4
8		2	1	3

**ci242rec: Letter Fluency, Quartile 4: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i11a1, i11b1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		492	468	960
1		325	341	666
2		348	389	737
3		212	256	468
4		105	156	261
5		41	50	91
6		16	25	41
7		2	4	6
8		2	1	3
9		0	1	1

**ci243rec: Letter Fluency, Quartile 4: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07



Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1372	1473	2845
1		153	179	332
2		17	33	50
3		1	6	7

**ci244rec: Letter Fluency, Quartile 4: Number of repeated words with different endings.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i11a1, i11b1  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1497	1626	3123
1		44	60	104
2		2	5	7

### ci245rec: Letter Fluency, Quartile 4: Number of caught repetitions.

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1498	1639	3137
1		45	50	95
2		0	2	2

### ci246rec: Letter Fluency, Quartile 4: Number of proper nouns.

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1493	1651	3144
1		42	37	79
2		7	3	10
3		1	0	1

### **ci247rec: Letter Fluency, Quartile 4: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i11a1, i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	24	20	44
-3	REFUSED	40	37	77
-2	Inappropriate INAP (CI201RE=0, R not in 80% sample)	423	492	915
0		1518	1677	3195
1		17	11	28
2		0	1	1
3		4	0	4
4		2	1	3
5		2	1	3

### **ci301re: Sample flag for category Fluency task.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: FLUFLAG

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
0	NOT IN 50% RANDOM SAMPLE	1011	1140	2151
1	IN 50% RANDOM SAMPLE	1019	1100	2119

Note: This sample is a 50% sample.

### **ci302rec: Detailed code for category Fluency not ascertained.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP (CI311REC != -4)	1897	2124	4021
1	MISSING OR TOO POOR AUDIO RECORDING	108	94	202
2	INTERVIEWER ERROR, FULL MINUTE NOT RECEIVED	18	15	33
3	TASK INTERRUPTED BY EVENT PRIOR TO COMPLETION	1	2	3
4	PARTICIPANT RECEIVED HELP FROM THIRD PARTY DURING TASK	4	4	8
6	INVALIDATING ANSWER STRATEGY	2	1	3

Note: See Appendix G cor860FluencyCodingSupervisorInstructions.doc for the specifics on what rules were followed to determine which detailed code was given.

### **ci303rec: Detailed code for category Fluency refused.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP (CI311REC != -3)	1978	2207	4185
1	REFUSAL BEFORE TASK BEGAN	17	9	26
2	REFUSAL DURING ADMINISTRATION OF TASK	19	8	27
3	REFUSED AUDIO RECORDING OF SURVEY	16	16	32

Note: Cases are counted as refused for any of these reasons, the detailed code specifies what type of refusal it was.

### **ci304rec: Detailed code for category Fluency cautions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: i12a, i12b

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP	2021	2229	4250
1	BRIEF INTERRUPTION OR DISTRACTION DURING TASK	1	2	3
2	TASK UNDERSTANDING PROBLEM	6	3	9
4	PARTICIPANT DIGRESSES OFF TASK OR NONTRIVIAL INTERVIEWER-PARTICIPANT INTERACTION	2	5	7
5	AUDIO QUALITY MIGHT HAVE RESULTED IN WORD MISSED	0	1	1

Note: See Appendix G cor860FluencyCodingSupervisorInstructions.doc for the specifics on what rules were followed to determine which detailed code was given.

### **ci305rec: Time until termination for incomplete cases.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: i12a, i12b

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP	1975	2188	4163
0 - 45		12	11	23
47 - 55		14	8	22
56 - 58		21	23	44
59		8	10	18

### **ci306re: Version of category Fluency task, animals or foods.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: i12a, i12b

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	2407	2101	4508
-2	INAPPROPRIATE INAP (HI301RE==2)	1014	1146	2160
1	ANIMALS	512	558	1070
2	FOODS	504	536	1040

Note: Random assignment of either values 1 or 2 were given to the case, which determined the category the R received for Category Fluency.

### **ci310rec: Category Fluency: Total number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
Source variables: i12a, i12b  
Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	133	116	249
-3	REFUSED	38	17	55
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0 - 15		219	169	388
16 - 19		209	226	435
20 - 23		192	240	432
24 - 28		171	193	364
29 - 48		57	138	195

Note: This variable is the total number of scored words for Category Fluency after all the coding rules were implemented. These rules are documented in cor860.

### **ci311rec: Category Fluency: Raw number of total words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i12a, i12b  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	133	116	249
-3	REFUSED	38	17	55
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0 - 16		239	187	426
17 - 20		210	222	432
21 - 24		182	234	416
25 - 30		175	221	396
31 - 50		42	102	144

**ci312rec: Category Fluency: Total number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07



Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	133	116	249
-3	REFUSED	38	17	55
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		566	634	1200
1		191	214	405
2		61	83	144
3		19	27	46
4		10	4	14
5		1	2	3
6		0	1	1
7		0	1	1

**ci314rec: Category Fluency: Total number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	133	116	249
-3	REFUSED	38	17	55
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		787	880	1667
1		55	74	129
2		5	8	13
3		1	4	5

### **ci315rec: Category Fluency: Total number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	133	116	249
-3	REFUSED	38	17	55
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		829	951	1780
1		14	11	25
2		4	3	7
3		1	1	2

**ci316rec: Category Fluency: Total number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	133	116	249
-3	REFUSED	38	17	55
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		828	956	1784
1		19	9	28
2		0	1	1
3		1	0	1

**ci320rec: Category Fluency, Quartile 1: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Wisconsin Longitudinal Study Codebook

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	127	108	235
-3	REFUSED	44	25	69
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		3	10	13
1		1	0	1
2		3	0	3
3		6	7	13
4		25	11	36
5		37	28	65
6		73	55	128
7		119	112	231
8		144	169	313
9		150	160	310
10		115	141	256
11		94	119	213
12		45	74	119
13		16	45	61
14		9	25	34
15		6	6	12
16		1	1	2
17		1	2	3
19		0	1	1

**ci321rec: Category Fluency, Quartile 1: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Wisconsin Longitudinal Study Codebook

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	127	108	235
-3	REFUSED	44	25	69
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		3	10	13
1		1	0	1
2		3	0	3
3		6	7	13
4		22	10	32
5		35	27	62
6		73	52	125
7		113	108	221
8		147	169	316
9		149	163	312
10		119	144	263
11		92	119	211
12		49	71	120
13		18	50	68
14		10	22	32
15		6	10	16
16		1	1	2
17		1	2	3
19		0	1	1

### **ci322rec: Category Fluency, Quartile 1: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	127	108	235
-3	REFUSED	44	25	69
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		811	932	1743
1		33	32	65
2		4	2	6

### **ci324rec: Category Fluency, Quartile 1: Number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	127	108	235
-3	REFUSED	44	25	69
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		842	960	1802
1		6	6	12

### **ci325rec: Category Fluency, Quartile 1: Number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	127	108	235
-3	REFUSED	44	25	69
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		845	964	1809
1		3	1	4
2		0	1	1

### **ci326rec: Category Fluency, Quartile 1: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	127	108	235
-3	REFUSED	44	25	69
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		845	963	1808
1		3	3	6



**ci327rec: Category Fluency, Quartile 2: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		152	117	269
1		42	47	89
2		84	82	166
3		141	124	265
4		153	148	301
5		131	167	298
6		116	130	246
7		83	105	188
8		43	76	119
9		21	50	71
10		8	14	22
11		7	9	16
12		0	4	4
13		2	2	4

**ci328rec: Category Fluency, Quartile 2: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i12a, i12b  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		148	116	264
1		41	45	86
2		69	68	137
3		135	105	240
4		155	149	304
5		140	172	312
6		112	130	242
7		91	117	208
8		52	81	133
9		20	55	75
10		11	19	30
11		6	12	18
12		1	2	3
13		2	4	6

### **ci329rec: Category Fluency, Quartile 2: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone  
 Source variables: i12a, i12b  
 Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		889	949	1838
1		82	107	189
2		10	16	26
3		2	0	2
4		0	3	3

### **ci331rec: Category Fluency, Quartile 2: Number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		973	1050	2023
1		10	22	32
2		0	3	3

### **ci332rec: Category Fluency, Quartile 2: Number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		981	1071	2052
1		2	3	5
3		0	1	1

### **ci333rec: Category Fluency, Quartile 2: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		976	1072	2048
1		7	3	10

**ci334rec: Category Fluency, Quartile 3: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		198	160	358
1		101	89	190
2		119	139	258
3		142	166	308
4		154	164	318
5		118	138	256
6		69	91	160
7		50	63	113
8		22	35	57
9		6	17	23
10		4	8	12
11		0	4	4
12		0	1	1

**ci335rec: Category Fluency, Quartile 3: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		180	148	328
1		94	86	180
2		118	114	232
3		145	177	322
4		151	157	308
5		123	147	270
6		76	99	175
7		54	65	119
8		25	43	68
9		7	22	29
10		9	11	20
11		1	4	5
12		0	1	1
13		0	1	1

**ci336rec: Category Fluency, Quartile 3: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		863	934	1797
1		101	118	219
2		16	20	36
3		3	3	6

### **ci338rec: Category Fluency, Quartile 3: Number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		963	1046	2009
1		17	27	44
2		2	1	3
3		1	1	2

### **ci339rec: Category Fluency, Quartile 3: Number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		979	1072	2051
1		3	3	6
3		1	0	1

### **ci340rec: Category Fluency, Quartile 3: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		979	1072	2051
1		4	3	7



**ci341rec: Category Fluency, Quartile 4: Number of scored words named.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		247	194	441
1		116	123	239
2		154	162	316
3		138	168	306
4		135	145	280
5		90	114	204
6		50	88	138
7		31	42	73
8		11	24	35
9		8	10	18
10		3	3	6
12		0	2	2

**ci342rec: Category Fluency, Quartile 4: Raw number of words said, scored and disqualified.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		231	188	419
1		103	106	209
2		146	146	292
3		147	167	314
4		126	154	280
5		107	122	229
6		59	89	148
7		36	49	85
8		16	37	53
9		9	11	20
10		3	3	6
11		0	1	1
12		0	1	1
13		0	1	1

**ci343rec: Category Fluency, Quartile 4: Number of repeated words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		877	949	1826
1		88	104	192
2		15	21	36
3		2	0	2
4		1	1	2

### **ci345rec: Category Fluency, Quartile 4: Number of caught repetitions.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		954	1039	1993
1		28	34	62
2		1	2	3

### **ci346rec: Category Fluency, Quartile 4: Number of proper nouns.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		972	1067	2039
1		8	8	16
2		3	0	3

### **ci347rec: Category Fluency, Quartile 4: Number of incorrect words.**

Data source: Sibling Respondent    Collected in: 2005    Mode: phone

Source variables: i12a, i12b

Revisions: Updated 07/07

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	2407	2101	4508
-4	NOT ASCERTAINED	19	16	35
-3	REFUSED	17	8	25
-2	Inappropriate INAP (CI301RE=0, R not in 50% sample)	1011	1141	2152
0		975	1073	2048
1		8	2	10

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