

Cognition - Letter Fluency

Q1COGFLU Cognition - Letter Fluency Module

OVERVIEW

The Cognition - Letter Fluency Module, which was first administered during the 2004 collection wave, tests cognitive ability by asking the participant to name as many items that fit specified parameters as they can within 60-second intervals. The "Letter Fluency," was administered to all participants and called for them to think of and say as many words as they could that began with a particular, randomly selected letter of the alphabet: "L" or "F". Prior to attempting the task, participants were instructed not to use proper names (of people or places), say the same word more than once, or to repeat variants of the same root word with different endings. For the Letter Fluency task, the number of acceptable responses given by the participant - as well as the frequency with which they violated the stated rules - was tallied by 15-second quartiles during our transcription process.

If the participant refused to grant their interviewer permission to record the entire CAPI interview at its beginning, they were asked for special permission to record just the Cognition - Letter Fluency Module. If such permission was denied, the module was skipped in its entirety, as it was not possible to properly transcribe and score the task mid-interview.

IMPORTANT NOTE: The ILIAD Letter Fluency module is transcribed and scored using the same process as both the 2004 and 2011 rounds of data collection.

BRIEF VARIABLE DESCRIPTIONS

Variable ranges reference dataset/codebook order and are not necessarily alphabetical.

qli202rec-qli205rec:	Administrative and Error Codes for the Letter Fluency Task
qli206re:	Version of Letter Fluency Task Administered: "L" or "F"
qli210rec:	Total Letter Fluency Score as Sum of Scored Words Named
qli211rec-qli216rec:	Counts of the Disqualified Words Said for the Letter Fluency Task: Repeated Words, Same Root Word with Different Endings, Caught Repetitions, Proper Nouns, and Incorrect Responses
qli220rec-qli247rec:	Letter Fluency Scores and Counts of the Disqualified Words Said by 15-Second Quartiles

q1i202rec: Detailed code for Letter Fluency not ascertained.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: x_irecprm1, x_i11b1, x_i11bstrt

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-2	Inappropriate INAPPROPRIATE (NOT ASCERTAINED q1i211rec != -4)	1433	1855	3288
1	MISSING OR TOO POOR AUDIO RECORDING	23	14	37
8	MISHEARD LETTER, NOT PROPERLY CORRECTED	15	8	23

Note: Cases are assigned values of "-4" and coded as not ascertained on q1i210rec-q1i247rec for any of the detailed reasons contained within this variable. See "cor860FluencyCodingSupervisorInstructions.doc" in Appendix G for the specifics on what rules were followed to determine which detailed code was given.

q1i203rec: Detailed code for Letter Fluency refused.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: x_irecprm1, x_i11b1, x_i11bstrt

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-2	Inappropriate INAPPROPRIATE (Refused q1i211rec != -3)	1414	1840	3254
1	REFUSAL BEFORE TASK BEGAN	17	3	20
2	REFUSAL DURING ADMINISTRATION OF TASK	40	34	74

Note: Cases are assigned values of "-3" and coded as refusals on q1i210rec-q1i247rec for any of the detailed reasons contained within this variable. For more information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i204rec: Detailed code for Letter Fluency cautions.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: x_irecprm1, x_i11b1, x_i11bstrt

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-2	Inappropriate INAPPROPRIATE (No Cautions Applied)	1471	1877	3348

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

q1i205rec: Duration of Letter Fluency task for Participants who stopped before 60 seconds had elapsed.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-2	Inappropriate INAPPROPRIATE (q1i202rec > 0 q1i203rec > 0 Task Attempted for Full 60 Seconds)	1312	1657	2969
0 - 43		31	44	75
44 - 47		37	43	80
48 - 51		33	42	75
52 - 55		31	45	76
56 - 75		27	46	73

Note: Some participants who did not refuse assessment and to whom the Letter Fluency task was appropriately administered decided to stop or quit before the full 60 seconds allotted to them had elapsed; all such participants should have valid data on variables q1i210rec-q1i247rec. Participants to whom the Letter Fluency task was not appropriately administered (see q1i202rec) or who refused to be assessed (see q1i203rec) have been assigned values of "-3" or "-4" on variables q1i210rec-q1i247rec. For more information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i206re: Version of Letter Fluency task, 'F' or 'L'.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: p_ForL

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
1	F	735	987	1722
2	L	736	890	1626

Note: Unlike during the 2004 collection wave, when the Letter Fluency task was only administered to a randomly selected 80% sub-sample, all participants were asked to complete it in 2011. Participants who attempted the task in 2004 were asked to complete it in 2011 using the same letter ("L" or "F") that was randomly assigned to them last wave. Participants attempting the task for the first time in 2011 had either "L" or "F" randomly assigned to them. The Letter Fluency task was not administered to participants who did not permit audio recording of the Cognition - Letter/Category Fluency Module (see q1i202rec); in such cases, no letter was randomly assigned.

q1i210rec: Letter Fluency: Total number of scored words named.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0 - 8		404	465	869
9 - 11		393	454	847
12 - 14		315	441	756
15 - 20		233	414	647
21 - 29		31	44	75

Note: This variable provides a sum of the scored words said by the participant after all Letter Fluency coding rules were implemented and any disqualified words were removed from consideration (see q1i211rec). For more detail on participants to whom the Letter Fluency task was not appropriately administered (codes of "-4") or who refused to be assessed (codes of "-3"), please see q1i202rec and q1i203rec respectively. For information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i211rec: Letter Fluency: Total raw number of words said, both those that were scored and those that were disqualified.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0 - 8		318	358	676
9 - 11		335	398	733
12 - 14		346	460	806
15 - 18		250	409	659
19 - 29		127	193	320

Note: See cor860 in Appendix G for information on how the Letter Fluency task was transcribed and scored. For more detail on participants to whom the Letter Fluency task was not appropriately administered (codes of "-4") or who refused to be assessed (codes of "-3"), please see q1i202rec and q1i203rec respectively.

q1i212rec: Letter Fluency: Total number of exactly repeated words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		764	1052	1816
1		361	466	827
2		158	184	342
3		62	73	135
4		15	25	40
5		8	11	19
6		3	2	5
7		3	2	5
8		2	2	4
9		0	1	1

Note: Participants were instructed not to repeat words when attempting the Letter Fluency task. For more detail on participants to whom the Letter Fluency task was not appropriately administered (codes of "-4") or who refused to be assessed (codes of "-3"), please see q1i202rec and q1i203rec respectively. For information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i213rec: Letter Fluency: Total number of repeated root words with different endings.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1201	1613	2814
1		150	170	320
2		24	29	53
3		1	1	2
4		0	4	4
5		0	1	1

Note: Participants were instructed not to say any of the same words with a different ending when attempting the Letter Fluency task; an example of the same root word with a different ending would be "love" and "loving". For more detail on participants to whom the Letter Fluency task was not appropriately administered (codes of "-4") or who refused to be assessed (codes of "-3"), please see q1i202rec and q1i203rec respectively. For information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i214rec: Letter Fluency: Total number of repeated words caught by Participant.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1300	1662	2962
1		68	144	212
2		7	9	16
3		1	3	4

Note: A participant was considered to have caught an exactly repeated word (see q1i212rec), or a repetition of the same root word with a different ending (see q1i213rec), if they said something to the effect of, "oh, I already said that" during their timed attempt of the Letter Fluency task. For more detail on participants to whom the Letter Fluency task was not appropriately administered (codes of "-4") or who refused to be assessed (codes of "-3"), please see q1i202rec and q1i203rec respectively. For information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i215rec: Letter Fluency: Total number of proper nouns.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1087	1515	2602
1		218	241	459
2		44	43	87
3		19	11	30
4		4	4	8
5		2	3	5
6		2	1	3

Note: Participants were instructed not to use proper names of people or places (e.g. "France" or "Fred") when attempting the Letter Fluency task. For more detail on participants to whom the Letter Fluency task was not appropriately administered (codes of "-4") or who refused to be assessed (codes of "-3"), please see q1i202rec and q1i203rec respectively. For information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i216rec: Letter Fluency: Total number of incorrect words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1330	1753	3083
1		44	57	101
2		2	6	8
4		0	2	2

Note: An "incorrect" word is one that falls outside of the specified parameters for the Letter Fluency task: to say words that begin with a particular letter of the alphabet, "L" or "F". For a participant asked to think of words that begin with the letter "F", the words "phoenix" and "mouse" would constitute incorrect responses. For more detail on participants to whom the Letter Fluency task was not appropriately administered (codes of "-4") or who refused to be assessed (codes of "-3"), please see q1i202rec and q1i203rec respectively. For information on how the Letter Fluency task was transcribed and scored, see cor860 in Appendix G.

q1i220rec: Letter Fluency, Quartile 1: Total number of scored words named.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		14	12	26
1		38	29	67
2		87	71	158
3		188	188	376
4		242	316	558
5		310	401	711
6		244	364	608
7		139	235	374
8		78	138	216
9		26	48	74
10		6	14	20
11		2	2	4
12		2	0	2

Note: Quartile #1 comprises the first 15 seconds of the Letter Fluency task's 60-second administration period; this variable, then, provides a sum of the scored words said by the participant during quartile #1 after all Letter Fluency coding rules were implemented and any disqualified words were removed from consideration (see q1i221rec). For more information on how the task was transcribed and scored, see cor860 in Appendix G.

q1i221rec: Letter Fluency, Quartile 1: Total raw number of words said, both those that were scored and those that were disqualified.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		11	12	23
1		27	20	47
2		70	58	128
3		162	165	327
4		248	298	546
5		304	397	701
6		260	365	625
7		158	269	427
8		86	163	249
9		39	54	93
10		7	14	21
11		2	3	5
12		2	0	2

Note: Quartile #1 comprises the first 15 seconds of the Letter Fluency task's 60-second administration period. See cor860 in Appendix G for more information on how the task was transcribed and scored.

q1i222rec: Letter Fluency, Quartile 1: Total number of exactly repeated words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1289	1714	3003
1		82	93	175
2		5	9	14
3		0	2	2

Note: Quartile #1 comprises the first 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to repeat words when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i223rec: Letter Fluency, Quartile 1: Total number of repeated root words with different endings.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1334	1772	3106
1		41	42	83
2		1	4	5

Note: Quartile #1 comprises the first 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to say any of the same words with a different ending when attempting it; an example of the same root word with a different ending would be "love" and "loving". For more information on transcription and scoring, see cor860 in Appendix G.

q1i224rec: Letter Fluency, Quartile 1: Total number of repeated words caught by Participant.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1373	1811	3184
1		3	7	10

Note: Quartile #1 comprises the first 15 seconds of the Letter Fluency task's 60-second administration period. A participant was considered to have caught an exactly repeated word (see q1i222rec), or a repetition of the same root word with a different ending (see q1i223rec), if they said something to the effect of, "oh, I already said that" during their timed attempt of the task. For more information on transcription and scoring, see cor860 in Appendix G.

q1i225rec: Letter Fluency, Quartile 1: Total number of proper nouns.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1223	1667	2890
1		125	133	258
2		23	14	37
3		5	2	7
4		0	2	2

Note: Quartile #1 comprises the first 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to use proper names of people or places (e.g. "France" or "Fred") when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i226rec: Letter Fluency, Quartile 1: Total number of incorrect words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1360	1805	3165
1		15	13	28
2		1	0	1

Note: Quartile #1 comprises the first 15 seconds of the Letter Fluency task's 60-second administration period. An "incorrect" word is one that falls outside of the specified parameters for the task: to say words that begin with a particular letter of the alphabet, "L" or "F". For a participant asked to think of words that begin with the letter "F", the words "phoenix" and "mouse" would constitute incorrect responses. For more information on transcription and scoring, see cor860 in Appendix G.

q1i227rec: Letter Fluency, Quartile 2: Total number of scored words named.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		120	150	270
1		237	310	547
2		334	397	731
3		286	404	690
4		217	290	507
5		108	184	292
6		47	53	100
7		23	25	48
8		3	3	6
9		1	0	1
10		0	1	1
11		0	1	1

Note: Quartile #2 comprises the second 15 seconds of the Letter Fluency task's 60-second administration period; this variable, then, provides a sum of the scored words said by the participant during quartile #2 after all Letter Fluency coding rules were implemented and any disqualified words were removed from consideration (see q1i228rec). For more information on how the task was transcribed and scored, see cor860 in Appendix G.

q1i228rec: Letter Fluency, Quartile 2: Total raw number of words said, both those that were scored and those that were disqualified.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		83	115	198
1		217	246	463
2		295	386	681
3		303	398	701
4		218	326	544
5		155	220	375
6		72	87	159
7		27	35	62
8		5	3	8
9		1	0	1
10		0	1	1
11		0	1	1

Note: Quartile #2 comprises the second 15 seconds of the Letter Fluency task's 60-second administration period. See cor860 in Appendix G for more information on how the task was transcribed and scored.

q1i229rec: Letter Fluency, Quartile 2: Total number of exactly repeated words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1151	1528	2679
1		197	249	446
2		26	34	60
3		2	7	9

Note: Quartile #2 comprises the second 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to repeat words when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i230rec: Letter Fluency, Quartile 2: Total number of repeated root words with different endings.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1324	1758	3082
1		49	56	105
2		3	3	6
3		0	1	1

Note: Quartile #2 comprises the second 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to say any of the same words with a different ending when attempting it; an example of the same root word with a different ending would be "love" and "loving". For more information on transcription and scoring, see cor860 in Appendix G.

q1i231rec: Letter Fluency, Quartile 2: Total number of repeated words caught by Participant.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1350	1777	3127
1		26	41	67

Note: Quartile #2 comprises the second 15 seconds of the Letter Fluency task's 60-second administration period. A participant was considered to have caught an exactly repeated word (see q1i229rec), or a repetition of the same root word with a different ending (see q1i230rec), if they said something to the effect of, "oh, I already said that" during their timed attempt of the task. For more information on transcription and scoring, see cor860 in Appendix G.

q1i232rec: Letter Fluency, Quartile 2: Total number of proper nouns.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1290	1731	3021
1		75	79	154
2		11	6	17
3		0	2	2

Note: Quartile #2 comprises the second 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to use proper names of people or places (e.g. "France" or "Fred") when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i233rec: Letter Fluency, Quartile 2: Total number of incorrect words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1365	1795	3160
1		11	21	32
2		0	1	1
4		0	1	1

Note: Quartile #2 comprises the second 15 seconds of the Letter Fluency task's 60-second administration period. An "incorrect" word is one that falls outside of the specified parameters for the task: to say words that begin with a particular letter of the alphabet, "L" or "F". For a participant asked to think of words that begin with the letter "F", the words "phoenix" and "mouse" would constitute incorrect responses. For more information on transcription and scoring, see cor860 in Appendix G.

q1i234rec: Letter Fluency, Quartile 3: Total number of scored words named.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		250	295	545
1		334	448	782
2		370	466	836
3		224	322	546
4		139	190	329
5		43	72	115
6		10	21	31
7		6	4	10

Note: Quartile #3 comprises the third 15 seconds of the Letter Fluency task's 60-second administration period; this variable, then, provides a sum of the scored words said by the participant during quartile #3 after all Letter Fluency coding rules were implemented and any disqualified words were removed from consideration (see q1i235rec). For more information on how the task was transcribed and scored, see cor860 in Appendix G.

q1i235rec: Letter Fluency, Quartile 3: Total raw number of words said, both those that were scored and those that were disqualified.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		194	211	405
1		261	393	654
2		362	450	812
3		269	373	642
4		193	234	427
5		72	114	186
6		19	38	57
7		5	4	9
8		1	1	2

Note: Quartile #3 comprises the third 15 seconds of the Letter Fluency task's 60-second administration period. See cor860 in Appendix G for more information on how the task was transcribed and scored.

q1i236rec: Letter Fluency, Quartile 3: Total number of exactly repeated words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1084	1482	2566
1		236	278	514
2		49	43	92
3		6	14	20
4		1	1	2

Note: Quartile #3 comprises the third 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to repeat words when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i237rec: Letter Fluency, Quartile 3: Total number of repeated root words with different endings.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1322	1755	3077
1		52	59	111
2		2	3	5
3		0	1	1

Note: Quartile #3 comprises the third 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to say any of the same words with a different ending when attempting it; an example of the same root word with a different ending would be "love" and "loving". For

more information on transcription and scoring, see cor860 in Appendix G.

q1i238rec: Letter Fluency, Quartile 3: Total number of repeated words caught by Participant.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1346	1752	3098
1		29	64	93
2		1	2	3

Note: Quartile #3 comprises the third 15 seconds of the Letter Fluency task’s 60-second administration period. A participant was considered to have caught an exactly repeated word (see q1i236rec), or a repetition of the same root word with a different ending (see q1i237rec), if they said something to the effect of, "oh, I already said that" during their timed attempt of the task. For more information on transcription and scoring, see cor860 in Appendix G.

q1i239rec: Letter Fluency, Quartile 3: Total number of proper nouns.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1318	1752	3070
1		48	63	111
2		9	3	12
3		1	0	1

Note: Quartile #3 comprises the third 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to use proper names of people or places (e.g. "France" or "Fred") when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i240rec: Letter Fluency, Quartile 3: Total number of incorrect words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1365	1798	3163
1		11	17	28
2		0	3	3

Note: Quartile #3 comprises the third 15 seconds of the Letter Fluency task's 60-second administration period. An "incorrect" word is one that falls outside of the specified parameters for the task: to say words that begin with a particular letter of the alphabet, "L" or "F". For a participant asked to think of words that begin with the letter "F", the words "phoenix" and "mouse" would constitute incorrect responses. For more information on transcription and scoring, see cor860 in Appendix G.

q1i241rec: Letter Fluency, Quartile 4: Total number of scored words named.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		382	428	810
1		403	500	903
2		299	447	746
3		187	281	468
4		77	115	192
5		20	32	52
6		5	12	17
7		3	3	6

Note: Quartile #4 comprises the fourth 15 seconds of the Letter Fluency task's 60-second administration period; this variable, then, provides a sum of the scored words said by the participant during quartile #4 after all Letter Fluency coding rules were implemented and any disqualified words were removed from consideration (see q1i242rec). For more information on how the task was transcribed and scored, see cor860 in Appendix G.

q1i242rec: Letter Fluency, Quartile 4: Total raw number of words said, both those that were scored and those that were disqualified.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		312	346	658
1		352	426	778
2		316	472	788
3		222	325	547
4		121	163	284
5		39	67	106
6		10	16	26
7		4	3	7

Note: Quartile #4 comprises the fourth 15 seconds of the Letter Fluency task's 60-second administration period. See cor860 in Appendix G for more information on how the task was transcribed and scored.

q1i243rec: Letter Fluency, Quartile 4: Total number of exactly repeated words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1132	1499	2631
1		187	258	445
2		43	50	93
3		14	9	23
4		0	1	1
5		0	1	1

Note: Quartile #4 comprises the fourth 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to repeat words when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i244rec: Letter Fluency, Quartile 4: Total number of repeated root words with different endings.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
 Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1333	1757	3090
1		39	55	94
2		4	4	8
3		0	2	2

Note: Quartile #4 comprises the fourth 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to say any of the same words with a different ending when attempting it; an example of the same root word with a different ending would be "love" and "loving". For more information on transcription and scoring, see cor860 in Appendix G.

q1i245rec: Letter Fluency, Quartile 4: Total number of repeated words caught by Participant.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Value	Label	Frequencies		
		Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1351	1766	3117
1		25	49	74
2		0	3	3

Note: Quartile #4 comprises the fourth 15 seconds of the Letter Fluency task's 60-second administration period. A participant was considered to have caught an exactly repeated word (see q1i243rec), or a repetition of the same root word with a different ending (see q1i244rec), if they said something to the effect of, "oh, I already said that" during their timed attempt of the task. For more information on transcription and scoring, see cor860 in Appendix G.

q1i246rec: Letter Fluency, Quartile 4: Total number of proper nouns.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1332	1767	3099
1		39	46	85
2		5	5	10

Note: Quartile #4 comprises the fourth 15 seconds of the Letter Fluency task's 60-second administration period. Participants were instructed not to use proper names of people or places (e.g. "France" or "Fred") when attempting it; for more information on transcription and scoring, see cor860 in Appendix G.

q1i247rec: Letter Fluency, Quartile 4: Total number of incorrect words.

Data source: Graduate Respondent Collected in: 2020 Mode: In person & telephone
Source variables: q1i202rec, q1i203rec, x_i11b1

Frequencies				
Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
-4	NOT ASCERTAINED	38	22	60
-3	REFUSED	57	37	94
0		1367	1804	3171
1		9	14	23

Note: Quartile #4 comprises the fourth 15 seconds of the Letter Fluency task's 60-second administration period. An "incorrect" word is one that falls outside of the specified parameters for the task: to say words that begin with a particular letter of the alphabet, "L" or "F". For a participant asked to think of words that begin with the letter "F", the words "phoenix" and "mouse" would constitute incorrect responses. For more information on transcription and scoring, see cor860 in Appendix G.

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