

## Cognition - TICSm

### Overview

#### Cognition - TICSm

TICSm (Telephone Interview for Cognitive Status - modified) is used for the first time in the ILIAD wave of WLS. TICSm is a validated measures to assess risk of dementia via a telephone interview.

For purposes of selection into the longer more intensive interview we make two adjustments to participant's summary score (qli915re).

First we adjust for their educational history. We subtract two points from their total score if they have any education beyond high school; we add two points if they completed 8-11 years of formal schooling; we add five points if they have fewer than 8 years of formal schooling.

Second we subtract one point from the total score if they have earlier evidence of cognitive decline (qli913re=1). We created this decline measure from 4 components: Immediate and Delayed Recall, Letter Fluency and Digit Ordering. The adjustment (qli913re) was set to 1 for the 10 percent of the sample that showed the largest decline between 2004 and 2011.

Any participant whose adjusted score is below 29 was invited to participate in our longer interview.

Researchers should use the provided summary score without adjustments (qli915re) in their models.

### qli900re: Score for Orientation to Name

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
Source variables: scoreB1

#### Frequencies

Value	Label	Male	Female	Total
.	System missing - NR	3520	3449	6969
1		0	4	4
2		1471	1873	3344

### qli901re: Score for Phone

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
Source variables: scoreB6

**Frequencies**

<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		115	118	233
1		1356	1759	3115

**q1i902re: Score for Age**

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB2

**Frequencies**

<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		66	80	146
1		1405	1797	3202

**q1i903re: Score for Immediate Recall**

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB8

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		42	23	65
1		111	95	206
2		283	235	518
3		390	434	824
4		359	442	801
5		175	324	499
6		72	178	250
7		29	90	119
8		5	41	46
9		5	13	18
10		0	2	2

### **q1i904re: Score for Orientation to Time**

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB3 scoreB4 scoreB5

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		5	6	11
1		9	18	27
2		32	21	53
3		99	111	210
4		413	443	856
5		913	1278	2191

### q1i905re: Score for Backwards Count

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB7

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		38	44	82
1		100	122	222
2		1333	1711	3044

### q1i906re: Score for Naming

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB10 scoreB11 scoreB12 scoreB13

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		1	0	1
1		8	2	10
2		15	18	33
3		126	110	236
4		1321	1747	3068

### q1i907re: Score for Serial 7 Subtractions

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB9

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		34	104	138
1		141	230	371
2		102	189	291
3		170	264	434
4		322	434	756
5		702	656	1358

### **q1i908re: Score for Repetition**

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB14 scoreB15

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		130	116	246
1		507	488	995
2		834	1273	2107

### **q1i909re: Score for Recent Memory**

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB16 scoreB17

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		31	51	82
1		60	79	139
2		266	330	596
3		465	592	1057
4		649	825	1474

### **q1i910re: Score for Praxis**

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB18

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		80	101	181
1		249	318	567
2		1142	1458	2600

### **q1i911re: Score for Opposites**

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB19 scoreB20

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		63	25	88
1		329	310	639
2		1079	1542	2621

### q1i912re: Score for Delayed Recall

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: scoreB21

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0		239	213	452
1		360	306	666
2		397	421	818
3		287	414	701
4		115	272	387
5		44	133	177
6		17	67	84
7		7	27	34
8		5	19	24
9		0	4	4
10		0	1	1

### q1i913re: Adjustment for prior evidence of cognitive decline

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: p\_Cogn\_Decline

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0	No adjustment	1359	1665	3024
1	Subtract one point	112	212	324

### q1i914re: Adjustment based on education level

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: p\_TICS\_offset

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
0	No adjustment	741	1197	1938
1	Subtract two points	730	680	1410

### q1i915re: TICSm Score

Data source: Graduate Respondent    Collected in: 2020    Mode: In person & telephone  
 Source variables: q1i900re-q1i912re

<b>Frequencies</b>				
<b>Value</b>	<b>Label</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
.	System missing - NR	3520	3449	6969
4 - 28		361	382	743
29 - 31		332	345	677
32 - 34		404	433	837
35 - 37		266	415	681
38 - 50		108	302	410



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