

# WHIMS Coordinating Center Document

Created: January 27, 2022

Dataset Name:  
WHIMSY\_Public\_JAN2022\_Final

Description: WHIMS-Y

Structure: multiple rows per participant

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Variable #: 1  
 SAS name: id  
 SAS label: WHI Common ID  
 Categories: cognitive  
 Usage Notes: none

Variable #: 2  
 SAS name: final\_dx  
 SAS label: Final Diagnosis  
 Categories: cognitive  
 Usage Notes: none

final_dx	PERCENT	Number
.	2.4	140
1 No Dementia	97.2	5819
2 Minor Cognitive Impairment	0.4	20
3 Probable Dementia	0.2	8

Variable #: 3  
 SAS name: finalclass  
 SAS label: Final Classification  
 Categories: cognitive  
 Usage Notes: none

finalclass	PERCENT	Number
.	99.8	5980
4 Dementia: Etiology Unknown	0.2	6
5 Other	0.0	1

Variable #: 4  
 SAS name: tics\_score  
 SAS label: TICS total score  
 Categories: cognitive  
 Usage Notes: none

N	Mean	StdDeviation	Minimum	Maximum
5987	39	5	13	50

Variable #: 5  
 SAS name: score\_01  
 SAS label: TICS item 1  
 Categories: cognitive  
 Usage Notes: none

score_01	PERCENT	Number
2	0.0	1
4	0.0	2
5	0.0	2
6	0.2	8
7	1.4	86
8	13.0	781
9	85.4	5107

Variable #: 6

SAS name: score\_02

SAS label: TICS item 2

Categories: cognitive

Usage Notes: none

score_02	PERCENT	Number
0	0.6	35
1	2.4	139
2	97.0	5813

Variable #: 7

SAS name: score\_03

SAS label: TICS item 3

Categories: cognitive

Usage Notes: none

score_03	PERCENT	Number
0	0.0	2
1	0.2	6
2	1.2	70
3	4.4	269
4	12.8	769
5	22.0	1316
6	23.8	1428
7	18.0	1073
8	9.8	591
9	5.0	302
10	2.6	161

Variable #: 8

SAS name: score\_04

SAS label: TICS item 4  
Categories: cognitive  
Usage Notes: none

score_04	PERCENT	Number
0	2.0	122
1	4.0	243
2	5.4	326
3	10.8	641
4	21.8	1311
5	55.8	3344

Variable #: 9  
SAS name: score\_05  
SAS label: TICS item 5  
Categories: cognitive  
Usage Notes: none

score_05	PERCENT	Number
0	0.4	19
1	99.6	5968

Variable #: 10  
SAS name: score\_06  
SAS label: TICS item 6  
Categories: cognitive  
Usage Notes: none

score_06	PERCENT	Number
0	0	3
1	100	5984

Variable #: 11  
SAS name: score\_07  
SAS label: TICS item 7  
Categories: cognitive  
Usage Notes: none

score_07	PERCENT	Number
0	2.2	130
1	97.8	5857

Variable #: 12  
SAS name: score\_08  
SAS label: TICS item 8

Categories: cognitive  
Usage Notes: none

score_08	PERCENT	Number
0	0.8	44
1	99.2	5943

Variable #: 13  
SAS name: score\_09  
SAS label: TICS item 9  
Categories: cognitive  
Usage Notes: none

score_09	PERCENT	Number
0	9	542
1	91	5445

Variable #: 14  
SAS name: score\_10  
SAS label: TICS item 10  
Categories: cognitive  
Usage Notes: none

score_10	PERCENT	Number
0	8.2	488
1	91.8	5499

Variable #: 15  
SAS name: score\_11  
SAS label: TICS item 11  
Categories: cognitive  
Usage Notes: none

score_11	PERCENT	Number
0	0.4	20
1	12.8	767
2	86.8	5200

Variable #: 16  
SAS name: score\_12  
SAS label: TICS item 12  
Categories: cognitive  
Usage Notes: none

score_12	PERCENT	Number
0	17.4	1037
1	9.8	582
2	73.0	4368

Variable #: 17

SAS name: score\_13  
SAS label: TICS item 13  
Categories: cognitive  
Usage Notes: none

score_13	PERCENT	Number
.	0.0	1
0	0.4	18
1	4.2	247
2	95.6	5721

Variable #: 18

SAS name: score\_14  
SAS label: TICS item 14  
Categories: cognitive  
Usage Notes: none

score_14	PERCENT	Number
.	0.0	1
0	1.2	77
1	98.6	5909

Variable #: 19

SAS name: score\_15  
SAS label: TICS item 15  
Categories: cognitive  
Usage Notes: none

score_15	PERCENT	Number
.	0	1
0	4	239
1	96	5747

Variable #: 20

SAS name: score\_16  
SAS label: TICS item 16  
Categories: cognitive  
Usage Notes: none

score_16	PERCENT	Number
.	0.0	1
0	1.4	79
1	2.8	162
2	7.4	444
3	14.8	887
4	22.8	1362
5	20.4	1222
6	13.6	817
7	8.8	521
8	4.6	274
9	2.4	143
10	1.2	75

Variable #: 21

SAS name: ebmt\_score

SAS label: East Boston Memory total score

Categories: cognitive

Usage Notes: none

ebmt_score	PERCENT	Number
.	0.2	6
0	0.0	3
2	0.0	2
3	0.0	5
4	0.2	10
5	0.4	23
6	1.0	54
7	3.8	224
8	10.4	624
9	13.0	784
10	22.8	1366
11	19.2	1150
12	29.0	1736

Variable #: 22

SAS name: vfa\_wordcount

SAS label: Verbal Fluency Animals total score

Categories: cognitive

Usage Notes: none

N	Mean	StdDeviation	Minimum	Maximum
5981	21	6	0	55

Variable #: 23

SAS name: oraltrail\_errorsa

SAS label: Oral Trails total errors for Part A

Categories: cognitive

Usage Notes: none

oraltrail_errorsa	PERCENT	Number
.	0.0	3
0	98.4	5895
1	1.4	88
2	0.0	1

Variable #: 24

SAS name: oraltrail\_correcta

SAS label: Oral Trails total correct for Part A

Categories: cognitive

Usage Notes: none

oraltrail_correcta	PERCENT	Number
.	0.0	3
0	0.0	1
7	0.0	1
24	0.2	6
25	99.8	5976

Variable #: 25

SAS name: oraltrail\_timea

SAS label: Oral Trails total time in seconds for Part A

Categories: cognitive

Usage Notes: none

oraltrail_timea	PERCENT	Number
	0.0	4
06	0.0	1
10	12.8	770
11	8.2	496
12	4.8	282
13	2.8	171
14	1.6	101



oraltrail_timea	PERCENT	Number
15	0.8	44
16	0.6	34
17	0.4	21
18	0.2	11
19	0.0	2
20	0.2	8
21	0.0	2
22	0.0	4
23	0.0	1
24	0.0	1
25	0.0	4
27	0.0	2
28	0.0	2
30	0.0	3
31	0.0	1
4	0.0	4
40	0.0	1
5	0.8	51
6	6.2	376
65	0.0	1
7	17.4	1046
74	0.0	1
77	0.0	1
8	23.4	1400
85	0.0	1
9	19.0	1140

Variable #: 26

SAS name: oraltrail\_errorsb

SAS label: Oral Trails total errors for Part B

Categories: cognitive

Usage Notes: none

oraltrail_errorsb	PERCENT	Number
.	0.0	3
0	64.4	3859
1	18.8	1129
2	9.2	546

oraltrail_errorsb	PERCENT	Number
3	3.6	217
4	1.6	101
5	2.2	132

Variable #: 27

SAS name: oraltrail\_correctb

SAS label: Oral Trails total correct for Part B

Categories: cognitive

Usage Notes: none

oraltrail_correctb	PERCENT	Number
.	0.0	3
0	0.4	24
2	0.0	1
5	0.0	1
7	0.0	1
8	0.0	2
9	0.2	9
10	0.0	1
11	0.0	4
12	0.0	3
13	0.2	10
14	0.0	5
15	0.2	11
16	0.2	13
17	0.2	16
18	0.0	5
19	0.4	18
20	0.0	4
21	0.4	19
22	0.2	15
23	0.6	37
24	0.6	36
25	96.0	5749

Variable #: 28

SAS name: oraltrail\_timeb

SAS label: Oral Trails total time in seconds for Part B

Categories: cognitive

Usage Notes: none

<b>oraltrail_timeb</b>	<b>PERCENT</b>	<b>Number</b>
	0.2	10
100	0.0	4
101	0.0	2
102	0.0	4
103	0.0	2
104	0.0	3
105	0.2	7
106	0.0	3
107	0.0	3
108	0.0	2
109	0.0	1
11	0.0	4
110	0.0	3
111	0.0	1
112	0.0	1
113	0.0	1
116	0.0	1
117	0.0	5
118	0.0	1
119	0.0	1
12	0.2	6
120	0.0	2
123	0.0	3
124	0.0	3
125	0.0	2
126	0.0	1
128	0.0	2
13	0.2	10
130	0.0	2
131	0.0	2
132	0.0	1
135	0.0	2
136	0.0	2
137	0.0	2
139	0.0	2
14	0.4	21

<b>oraltrail_timeb</b>	<b>PERCENT</b>	<b>Number</b>
144	0.0	1
145	0.0	1
147	0.0	1
148	0.0	2
149	0.0	1
15	0.8	45
151	0.0	1
16	1.2	72
17	1.4	89
18	2.0	123
183	0.0	1
19	2.8	171
20	3.2	191
202	0.0	1
21	4.0	242
22	4.0	243
23	4.6	278
24	4.8	286
25	4.4	261
26	4.0	239
27	3.8	229
28	3.8	225
29	3.4	202
30	3.2	188
300	0.8	47
31	2.6	154
32	2.8	165
33	2.4	142
34	2.0	114
35	2.0	122
36	2.0	117
37	1.8	103
38	1.6	95
39	1.4	89
40	1.2	69
41	1.2	70

<b>oraltrail_timeb</b>	<b>PERCENT</b>	<b>Number</b>
42	1.2	76
43	1.0	63
44	1.2	69
45	1.2	72
46	0.8	51
47	1.0	61
48	1.0	58
49	0.6	35
5	0.0	1
50	0.8	53
51	0.6	37
52	0.8	48
53	0.6	39
54	0.8	45
55	0.6	36
56	0.8	42
57	0.4	27
58	0.6	41
59	0.4	24
60	0.6	41
61	0.4	28
62	0.4	19
63	0.4	19
64	0.4	25
65	0.2	14
66	0.2	16
67	0.4	22
68	0.4	19
69	0.4	21
7	0.0	1
70	0.2	14
71	0.2	13
72	0.2	16
73	0.2	13
74	0.2	13
75	0.2	14

oraltrail_timeb	PERCENT	Number
76	0.2	8
77	0.2	8
78	0.2	7
79	0.2	14
8	0.0	1
80	0.2	14
81	0.0	4
82	0.2	9
83	0.2	8
84	0.0	5
85	0.2	9
86	0.0	2
87	0.2	6
88	0.0	4
89	0.0	3
90	0.2	6
91	0.2	6
92	0.2	6
93	0.0	5
94	0.2	9
95	0.0	2
96	0.2	7
97	0.0	3
98	0.0	5
DC	2.4	148

Variable #: 29

SAS name: digit\_forwardscore

SAS label: Digit Span total score for digits forward

Categories: cognitive

Usage Notes: none

digit_forwardscore	PERCENT	Number
.	0.2	7
0	0.0	2
2	0.0	2
3	0.4	27
4	2.8	171

digit_forwardscore	PERCENT	Number
5	7.4	442
6	16.6	991
7	13.6	813
8	15.4	917
9	11.8	712
10	11.4	684
11	8.2	490
12	6.4	387
13	3.6	210
14	2.2	132

Variable #: 30  
SAS name: digit\_backwardscore  
SAS label: Digit Span total score for digits backward  
Categories: cognitive  
Usage Notes: none

digit_backwardscore	PERCENT	Number
.	0.2	7
0	0.4	20
1	0.2	7
2	0.8	51
3	2.0	124
4	10.4	622
5	12.6	752
6	21.0	1254
7	15.0	904
8	12.2	736
9	8.2	488
10	6.4	381
11	4.2	256
12	3.2	193
13	1.8	102
14	1.6	90

Variable #: 31  
SAS name: gds\_score  
SAS label: Geriatric Depression total score  
Categories: cognitive



Usage Notes: none

<b>gds_score</b>	<b>PERCENT</b>	<b>Number</b>
.	0.2	8
0	51.0	3054
1	21.8	1311
2	11.8	703
3	5.4	319
4	3.0	184
5	2.0	114
6	1.2	70
7	1.2	72
8	1.0	59
9	0.6	33
10	0.4	27
11	0.2	15
12	0.2	12
13	0.0	2
14	0.0	4

Variable #: 32

SAS name: insomnia

SAS label: WHI Insomnia Rating Scale total score

Categories: cognitive

Usage Notes: none

<b>insomnia</b>	<b>PERCENT</b>	<b>Number</b>
.	0.2	13
0	7.2	429
1	12.2	731
2	9.0	541
3	6.0	364
4	8.6	519
5	11.2	675
6	11.8	708
7	6.0	360
8	5.4	319
9	4.2	253
10	4.0	243
11	3.2	193

insomnia	PERCENT	Number
12	2.8	166
13	1.8	108
14	1.6	99
15	1.2	73
16	1.0	61
17	0.8	46
18	0.6	33
19	0.4	23
20	0.6	30

Variable #: 33

SAS name: ticslong\_score

SAS label: TICS Word List Long Delay total score

Categories: cognitive

Usage Notes: none

ticslong_score	PERCENT	Number
.	0.2	11
0	1.8	113
1	3.8	232
2	8.6	515
3	17.2	1031
4	22.4	1345
5	19.0	1136
6	12.2	736
7	7.4	447
8	4.0	236
9	1.8	109
10	1.2	76

Variable #: 34

SAS name: ebmtrecall\_score

SAS label: East Boston Memory Recall total score

Categories: cognitive

Usage Notes: none

ebmtrecall_score	PERCENT	Number
.	0.2	14
0	0.4	27
2	0.0	3
3	0.0	3
4	0.2	16
5	0.8	45
6	1.6	93
7	5.2	309
8	10.6	636
9	14.8	890
10	23.6	1416
11	18.6	1116
12	23.8	1419

Variable #: 35

SAS name: cvlt\_correct

SAS label: CVLT total correct

Categories: cognitive

Usage Notes: none

cvlt_correct	PERCENT	Number
.	32.6	1957
0	0.0	4
5	0.0	3
7	0.0	2
8	0.0	5
9	0.0	4
11	0.0	4
12	0.0	3
13	0.2	9
14	0.2	8
15	0.2	10
16	0.4	18
17	0.6	30
18	0.6	38
19	0.8	42
20	1.2	66
21	1.0	65

cvlt_correct	PERCENT	Number
22	1.6	92
23	2.0	123
24	2.2	132
25	2.4	140
26	3.2	186
27	3.2	187
28	3.6	211
29	3.8	228
30	3.6	219
31	4.0	235
32	3.8	225
33	4.0	237
34	3.4	200
35	3.6	214
36	3.2	186
37	3.2	186
38	2.8	170
39	2.4	139
40	1.8	111
41	1.6	92
42	1.0	55
43	1.0	58
44	0.6	30
45	0.6	34
46	0.2	11
47	0.2	11
48	0.2	7

Variable #: 36  
SAS name: cvlt\_intrusions  
SAS label: CVLT total intrusions  
Categories: cognitive  
Usage Notes: none

cvlt_intrusions	PERCENT	Number
.	32.6	1957
0	35.0	2098
1	14.6	880
2	8.2	490
3	4.6	274
4	2.4	143
5	1.0	55
6	0.8	43
7	0.4	22
8	0.2	11
9	0.0	4
10	0.0	3
11	0.0	1
12	0.0	3
13	0.0	1
14	0.0	1
16	0.0	1

Variable #: 37

SAS name: cvlt\_repetitions

SAS label: CVLT total repetitions

Categories: cognitive

Usage Notes: none

cvlt_repetitions	PERCENT	Number
.	32.6	1957
0	25.0	1502
1	14.4	864
2	9.6	574
3	6.2	368
4	3.4	198
5	2.6	152
6	1.6	98
7	1.0	60
8	1.0	55
9	0.6	35
10	0.4	29
11	0.2	17

cvlt_repetitions	PERCENT	Number
12	0.4	20
13	0.2	11
14	0.2	7
15	0.0	1
16	0.2	6
17	0.0	4
18	0.0	5
20	0.2	6
21	0.0	1
22	0.0	3
23	0.0	2
24	0.0	3
25	0.0	2
26	0.0	2
28	0.0	1
30	0.0	1
39	0.0	1
47	0.0	1
49	0.0	1

Variable #: 38  
SAS name: ticsdays  
SAS label: Days to Cognitive Battery  
Categories: cognitive  
Usage Notes: none

N	Mean	StdDeviation	Minimum	Maximum
5987	5966.02	686.082	4291	7821

Variable #: 39  
SAS name: dxdays  
SAS label: 'Days to final diagnosis'  
Categories: cognitive  
Usage Notes: none

N	Mean	StdDeviation	Minimum	Maximum
5987	5965.84	686.011	4291	7821