

Normative Data from MoVIES (Baseline 1987-1989)
Ages < 75, by sex and education

Test	Total						Female						Male					
	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile
MMSE	341	28	27	2.6	23	24	183	28	27.3	2.7	24	25	158	27	26.7	2.4	22	24
Word list: immediate recall	339	19	19	4	11	14	183	20	19.9	3.9	13	16	156	18	18	3.9	11	12
Delayed recall	334	6	6.2	2.1	2	3	179	7	6.6	2	3	4	155	6	5.6	2.1	2	2
Delayed recognition: N correct yes	310	10	9.4	1.1	7	8	165	10	9.4	1.2	7	8	145	10	9.3	1	7	8
N correct no	310	10	9.8	0.7	9	10	165	10	9.8	0.8	9	10	145	10	9.8	0.5	9	9
Praxis	339	11	10.3	1.5	8	9	182	10	10.2	1.5	8	9	157	11	10.4	1.4	8	8
Clock	339	8	7.3	1.1	5	6	182	8	7.2	1.2	5	6	157	8	7.5	0.9	6	6
Boston naming (CERAD)	343	14	13.7	1.5	11	11	184	14	13.6	1.6	11	11	159	14	13.9	1.5	11	12
Verbal Fluency: Animals	341	14	14.3	3.7	9	10	183	14	13.7	3.6	9	10	158	15	15	3.8	9	11
Fruits	341	11	11.4	3	7	8	183	11	11.8	3	8	8	158	11	10.9	2.9	6	7
Letter P	340	10	10	4.1	4	5	183	10	10.4	4.1	5	6	157	9	9.5	4.1	3	5
Letter S	340	10	10.2	4	5	6	183	10	10.1	4	5	6	157	10	10.3	4.1	4	6
Story Immediate	339	5	5.2	2.6	1.5	2	182	5.5	5.8	2.8	2	2.5	157	4.5	4.6	2.2	1	2
Story delayed	338	4	4.5	2.7	0.5	1	182	4.5	5	2.9	1	1.5	156	4	3.9	2.3	0	1
Trail A	337	48	54.9	29.7	108	76	180	46	53.5	32.6	108	70	157	51	56.6	25.9	108	85
Trail B	331	128	147.6	65.7	300	250	177	125	143.3	64.8	300	234	154	132	152.6	66.5	300	284
Temporal orientation	339	0	1	6.3	3	2	183	0	1.4	8.5	2	1	156	0	0.6	1.3	3	2

Test	Total						Female						Male					
	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile
MMSE	361	29	28.1	1.7	25	26	201	29	28.4	1.5	26	26	160	28	27.8	1.8	24	25
Word list: immediate recall	360	20	20.1	3.5	14	15.5	201	21	20.8	3.4	15	17	159	19	19.2	3.4	13	15
Delayed recall	350	7	6.8	1.8	4	5	197	7	7.1	1.8	4	5	153	6	6.4	1.7	3	4
Delayed recognition: N correct yes	338	10	9.6	0.8	8	9	189	10	9.7	0.7	8	9	149	10	9.5	0.9	8	9
N correct no	338	10	9.9	0.3	9	10	189	10	10	0.2	10	10	149	10	9.9	0.4	9	10
Praxis	359	11	10.9	1.2	9	9	200	11	10.8	1.2	9	9	159	11	11.1	1.1	9	9
Clock	360	8	7.5	0.7	6	7	201	8	7.5	0.8	6	7	159	8	7.6	0.7	6	7
Boston naming (CERAD)	360	15	14.2	1.2	12	12	201	15	14.2	1.2	12	12	159	15	14.2	1.2	11	12
Verbal Fluency: Animals	360	15	15.5	3.7	10	11	201	15	15.3	3.5	10	11	159	15	15.6	3.8	9	10
Fruits	360	12	12.6	3	8	9	201	13	13.4	2.9	9	10	159	11	11.6	2.9	7	8
Letter P	360	11	11.7	3.9	6	7	201	12	12.3	3.9	7	8	159	10	10.8	3.8	5	6
Letter S	360	11	11.7	4	5	6.5	201	12	12.1	4	5	7	159	11	11.2	3.9	5	6
Story Immediate	361	6.5	6.5	2.8	2	3	201	7	7.2	2.6	2.5	3.5	160	5.5	5.7	2.7	1.5	2.5
Story delayed	360	5.5	5.8	2.8	1.5	2.25	200	6.5	6.5	2.7	2.25	2.5	160	4.5	4.9	2.7	1	1.5
Trail A	360	42	46.7	20.9	85.5	68.5	201	41	44.8	18.6	75	65	159	43	49.1	23.3	100	74
Trail B	355	97	112.8	55.7	243	183	198	92	109.4	54.6	243	179	157	101	117.2	57	261	191
Temporal orientation	360	0	0.7	3.5	2	1	200	0	0.6	2	3.5	1	160	0	0.8	4.8	2	1

> High school	Total						Female						Male					
Test	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile
MMSE	204	29	28.4	2.1	25	26	99	29	28.4	2.6	25	26	105	28	28.3	1.4	26	26
Word list: immediate recall	203	21	20.3	3.9	14	15	99	21	21	4.1	15	16	104	20	19.7	3.7	14	15
Delayed recall	199	7	6.8	1.9	4	4	99	7	7.2	2	4	5	100	6	6.4	1.8	3.5	4
Delayed recognition: N correct yes	184	10	9.6	0.8	8	9	89	10	9.7	0.9	8	9	95	10	9.5	0.7	8	8
N correct no	184	10	9.9	0.6	10	10	89	10	9.9	0.9	10	10	95	10	9.9	0.3	9	10
Praxis	204	11	11.1	1.1	9	10	99	11	11	1.1	9	9	105	12	11.3	1	9	10
Clock	204	8	7.6	0.7	6	7	99	8	7.5	0.8	6	6	105	8	7.7	0.5	7	7
Boston naming (CERAD)	204	15	14.2	1.4	12	12	99	15	14.1	1.6	12	12	105	15	14.2	1.1	12	12
Verbal Fluency: Animals	204	16	16.1	4.1	10	11	99	16	15.9	4.3	9	11	105	16	16.3	4	10	12
Fruits	204	13	12.6	3.4	7	8	99	14	13.8	3.2	9	10	105	11	11.6	3.2	7	8
Letter P	203	12	12	3.9	5	7	99	12	12.5	3.6	6	8	104	12	11.5	4	5	7
Letter S	204	12	12.6	4.2	6	7	99	12	12.5	3.9	6	8	105	12	12.6	4.4	6	7
Story Immediate	204	7.5	7.6	2.8	3	4	99	8.5	8.3	3.1	3.5	4	105	7	6.9	2.4	2.5	3.5
Story delayed	203	6.5	6.8	3	1.5	3	99	8	7.6	3.1	2	3	104	6	6	2.7	1	3
Trail A	202	40	43	14.9	75	62	99	40	43.3	14.2	77	62	103	40	42.8	15.5	74	63
Trail B	202	92.5	106.6	47.2	210	173	98	91	106.4	50.8	222	189	104	95	106.8	43.9	191	170
Temporal orientation	204	0	0.8	8.1	1	1	99	0	1.6	11.6	2	1	105	0	0.2	0.4	1	1

Total	Total						Female						Male					
Test	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile	N	Median	Mean	Std	5th%tile	10th%tile
MMSE	906	28	27.8	2.2	24	25	483	29	28	2.3	25	26	423	28	27.5	2.1	24	25
Word list: immediate recall	902	20	19.7	3.8	13	15	483	21	20.5	3.8	15	16	419	19	18.8	3.7	12	14
Delayed recall	883	7	6.6	2	3	4	475	7	6.9	1.9	4	4	408	6	6.1	1.9	2	4
Delayed recognition: N correct yes	832	10	9.5	0.9	8	8	443	10	9.6	1	8	9	389	10	9.4	0.9	8	8
N correct no	832	10	9.9	0.6	9	10	443	10	9.9	0.6	10	10	389	10	9.9	0.4	9	10
Praxis	902	11	10.7	1.3	8	9	481	11	10.6	1.3	8	9	421	11	10.9	1.3	8	9
Clock	903	8	7.5	0.9	6	7	482	8	7.4	1	6	6	421	8	7.6	0.7	6	7
Boston naming (CERAD)	907	15	14	1.4	11	12	484	15	13.9	1.5	11	12	423	15	14.1	1.3	11	12
Verbal Fluency: Animals	905	15	15.2	3.9	9	11	483	15	14.8	3.8	9	10	422	15	15.5	3.9	9	11
Fruits	905	12	12.2	3.1	7	8	483	13	12.9	3.1	8	9	422	11	11.3	3	6	8
Letter P	903	11	11.1	4.1	5	6	483	11	11.7	4	5	7	420	10	10.5	4.1	4	6
Letter S	904	11	11.3	4.2	5	6	483	11	11.4	4.1	5	6	421	11	11.2	4.2	5	6
Story Immediate	904	6	6.3	2.9	2	2.5	482	7	6.9	3	2	3	422	5.5	5.6	2.6	1.5	2.5
Story delayed	901	5.5	5.5	2.9	1	2	481	6	6.2	3	1.5	2.5	420	4.5	4.8	2.7	0.5	1
Trail A	899	43	49	24	87	70	480	42	47.7	24.6	81	66.5	419	45	50.4	23.3	91	75
Trail B	888	106	124.4	60.6	274	210	473	103	121.4	60.2	257	210	415	110	127.7	61	284	210
Temporal orientation	903	0	0.8	5.9	2	1	482	0	1.1	7.5	2	1	421	0	0.6	3.1	2	1