

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

Less than 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
MMSE	298	26	25.3	4	18	21	152	26.5	25.7	3.8	21	22	146	26	24.8	4.1	17	20
Word list: immediate recall	292	16	16	4.5	7	11	149	17	16.7	4.4	9	11	143	15	15.2	4.5	7	10
Delayed recall	287	5	4.6	2.3	0	1	148	5	5.1	2.4	0	2	139	4	4.1	2.2	0	1
Delayed recognition: N correct yes	272	9	8.8	1.7	5	7	141	10	9	1.6	6	7	131	9	8.6	1.7	5	7
N correct no	272	10	9.7	1.1	8	9	141	10	9.7	1	9	9	131	10	9.7	1.2	8	9
Praxis	293	10	9.7	1.7	7	8	147	10	9.7	1.6	7	8	146	10	9.6	1.8	6	7
Clock	296	7	6.6	1.6	3	4	149	7	6.6	1.6	3	4	147	7	6.7	1.6	3	4
Boston naming (CERAD)	300	14	13.1	2	9	10	152	14	13	2.2	9	10	148	14	13.2	1.8	10	11
Verbal Fluency: Animals	298	12	12.1	4.1	5	7	152	12	11.6	4.2	5	6	146	12	12.7	4.1	6	8
Fruits	297	10	9.8	2.8	5	6	152	10	10.1	2.9	5	7	145	9	9.5	2.7	5	6
Letter P	300	8	8.9	4	3	4	152	8	9	4.1	3	4	148	8	8.8	3.8	3	4
Letter S	298	8	8.8	4	3	4	151	9	8.8	4	3	4	147	8	8.7	4	3	4
Story Immediate	298	3.5	3.9	2.7	0	0.5	153	4	4.4	2.8	0.5	1	145	3	3.4	2.5	0	0
Story delayed	290	3	3.2	2.6	0	0	148	3	3.6	2.8	0	0	142	2.5	2.8	2.3	0	0
Trail A	286	61	76.7	50.9	180	126	144	57.5	69.1	39.3	131	110	142	61	84.4	59.7	226	150
Trail B	271	195	202.3	80.7	300	300	135	188	197.6	79.7	300	300	136	201.5	207	81.7	300	300
Temporal orientation	296	0	3.5	13.9	15	4	148	0	2.1	9.5	9	3	148	0	4.8	17.1	20	5

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
MMSE	89	28	27.1	3.3	22	24	60	28	27.6	2	24	25	29	28	26.1	4.9	20	20
Word list: immediate recall	88	19	18.2	4.7	9	13	59	20	19.7	3.8	10	14	29	16	15.1	4.8	3	9
Delayed recall	88	6	5.8	2.3	1	3	59	7	6.5	1.7	3	4	29	5	4.4	2.6	0	0
Delayed recognition: N correct yes	85	10	9.4	0.9	8	8	58	10	9.7	0.6	8	9	27	9	8.7	1.2	6	7
N correct no	85	10	9.8	1.1	9	10	58	10	10	0.2	10	10	27	10	9.3	1.9	5	6
Praxis	90	11	10.3	1.5	7	8.5	60	11	10.5	1.3	8.5	9	30	10.5	9.9	1.9	6	7
Clock	90	8	7	1.7	2	4.5	60	8	7.2	1.2	4.5	6	30	7.5	6.5	2.3	2	2
Boston naming (CERAD)	90	14	13.5	2.2	10	11	60	14	13.9	1.5	11	12	30	14	12.9	3	7	9.5
Verbal Fluency: Animals	90	13	12.6	4.4	5	7	60	14	13.3	3.7	8.5	9	30	11	11.1	5.4	2	3
Fruits	90	11	10.3	3.2	4	6	60	11	11.1	2.4	6.5	8	30	9	8.6	3.8	1	3.5
Letter P	88	10	10.1	4.7	4	4	58	10	10.4	4.3	4	5	30	8.5	9.4	5.4	0	3.5
Letter S	89	10	10	4.3	3	4	59	11	10.8	3.9	5	6	30	9.5	8.5	4.7	1	2.5
Story Immediate	90	6	6.2	3.4	1	1.5	60	7	7.3	3.2	2.25	2.75	30	3.75	4	2.7	0	0.75
Story delayed	90	5.25	5.1	3.2	0	1	60	6	6.1	2.9	1.75	2.5	30	2.75	3.1	2.6	0	0
Trail A	89	55	69.1	49.6	190	109	59	52	58.3	31	130	99	30	70.5	90.5	69.6	300	203.5
Trail B	85	136	163.3	76.6	300	300	57	126	152.1	72.1	300	300	28	170.5	186.1	81.7	300	300
Temporal orientation	89	0	3	14.2	7	1	60	0	0.3	0.8	1	1	29	0	8.6	24.2	65	60

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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	118	27.5	26.7	3.1	21	23	78	28	26.8	3.3	21	23	40	26.5	26.5	2.6	21	23.5
Word list: immediate recall	117	18	18	4.5	9	13	78	19	18.4	5	8	12	39	18	17.4	3.3	12	13
Delayed recall	114	6	5.3	2.3	1	2	76	6	5.3	2.6	0	1	38	6	5.5	1.9	2	3
Delayed recognition: N correct yes	112	10	9.3	1.2	7	8	75	10	9.3	1.3	7	8	37	10	9.4	1	7	8
N correct no	112	10	9.7	0.9	9	9	75	10	9.7	1.1	7	9	37	10	9.9	0.4	9	10
Praxis	118	11	10.4	1.4	8	8	78	11	10.4	1.4	8	9	40	11	10.5	1.4	8	8
Clock	118	7	7.1	1.3	4	5	78	7	7	1.3	4	5	40	8	7.2	1.4	4.5	6
Boston naming (CERAD)	118	14	13.6	1.6	10	11	78	14	13.5	1.6	10	11	40	14	13.8	1.4	10.5	12
Verbal Fluency: Animals	117	14	13.6	4.1	6	8	77	13	13.2	4.3	5	8	40	14	14.3	3.6	8	9.5
Fruits	118	11	11.2	3.1	6	7	78	11	11.3	3.2	5	7	40	11	11.1	3	6.5	8
Letter P	116	11.5	11.5	4	5	7	76	12	11.7	4.1	5	7	40	11	11.2	3.8	5	6.5
Letter S	116	11	11.2	4.3	4	6	76	11	11	4.5	3	5	40	11	11.6	4.1	6	7.5
Story Immediate	117	7	6.4	3.2	0.5	2	78	7.25	6.8	3.4	0.5	2	39	6	5.7	2.7	0	2
Story delayed	115	5.5	5.6	3.3	0	1	77	5.5	5.8	3.6	0	0	38	5	5.3	2.7	1	2
Trail A	115	50	62.3	46.8	139	87	76	49.5	66.7	55.9	210	110	39	50	53.9	16.8	87	75
Trail B	105	132	151.3	71.9	300	276	67	139	152.8	68.3	300	270	38	123.5	148.5	78.7	300	295
Temporal orientation	116	0	3.1	12.2	10	2	76	0	3.3	12.8	30	2	40	0	2.5	11.1	8.5	2

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	505	27	25.9	3.8	20	22	290	27	26.4	3.4	21	23	215	26	25.3	4.1	18	21
Word list: immediate recall	497	17	16.8	4.7	8	11	286	18	17.8	4.6	9	12	211	16	15.6	4.5	7	11
Delayed recall	489	5	5	2.4	0	1	283	6	5.4	2.4	1	2	206	5	4.4	2.2	0	1
Delayed recognition: N correct yes	469	10	9	1.5	6	7	274	10	9.2	1.4	7	8	195	9	8.8	1.6	6	7
N correct no	469	10	9.7	1	9	9	274	10	9.8	0.9	9	9	195	10	9.7	1.2	8	9
Praxis	501	10	10	1.6	7	8	285	10	10.1	1.5	7	8	216	10	9.8	1.8	6	8
Clock	504	7	6.8	1.6	3	5	287	7	6.8	1.5	4	5	217	7	6.8	1.7	3	4
Boston naming (CERAD)	508	14	13.3	2	10	11	290	14	13.3	2	9	11	218	14	13.2	2	10	11
Verbal Fluency: Animals	505	13	12.5	4.2	5	7	289	13	12.4	4.2	5	7	216	13	12.8	4.3	6	8
Fruits	505	10	10.2	3	5	6	290	11	10.6	2.9	5	7	215	10	9.7	3	5	6
Letter P	504	9	9.7	4.2	4	4	286	10	10	4.3	4	5	218	9	9.3	4.2	3	4
Letter S	503	9	9.6	4.2	3	4	286	10	9.8	4.2	3	4	217	9	9.2	4.2	3	4
Story Immediate	505	4.5	4.9	3.2	0	1	291	5.5	5.6	3.3	0.5	1.5	214	3.5	3.9	2.7	0	0
Story delayed	495	3.5	4.1	3.1	0	0	285	4.5	4.7	3.3	0	0	210	3	3.3	2.6	0	0
Trail A	490	57	72	50	177	115	279	55	66.2	43.1	140	104	211	61	79.6	57.2	220	135
Trail B	461	167	183.5	81.1	300	300	259	162	176	78.3	300	300	202	173	193.1	83.8	300	300
Temporal orientation	501	0	3.3	13.6	10	3	284	0	2	9.6	5	2	217	0	4.9	17.4	46	5