

## Normative Data from MoVIES (Baseline 1987-1989)

### All ages, 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	639	27	26.2	3.4	21	23	335	27	26.6	3.3	22	23	304	27	25.8	3.5	20	22
Word list: immediate recall	631	18	17.6	4.5	10	12	332	19	18.5	4.4	10	13	299	17	16.6	4.4	9	11
Delayed recall	621	6	5.5	2.4	1	2	327	6	5.9	2.3	2	3	294	5	4.9	2.3	0	2
Delayed recognition: N correct yes	582	10	9.1	1.4	6	7	306	10	9.2	1.4	6	8	276	9	9	1.4	6	7
N correct no	582	10	9.8	0.9	9	9	306	10	9.8	0.9	9	10	276	10	9.8	0.9	9	9
Praxis	632	10	10	1.6	7	8	329	10	10	1.6	7	8	303	10	10	1.7	7	8
Clock	635	7	7	1.4	4	5	331	7	6.9	1.4	4	5	304	8	7.1	1.3	4	6
Boston naming (CERAD)	643	14	13.4	1.8	10	11	336	14	13.3	1.9	10	11	307	14	13.6	1.7	10	11
Verbal Fluency: Animals	639	13	13.3	4.1	6	8	335	13	12.7	4	6	7	304	14	13.9	4.1	8	9
Fruits	638	11	10.7	3	6	7	335	11	11	3.1	7	7	303	10	10.2	2.9	6	6
Letter P	640	9	9.5	4.1	4	5	335	10	9.8	4.2	4	5	305	9	9.1	4	3	4
Letter S	638	9	9.5	4.1	3	5	334	9	9.5	4	3	4	304	9	9.5	4.1	4	5
Story Immediate	637	4.5	4.6	2.7	0.5	1.5	335	5	5.1	2.9	1	2	302	4	4	2.4	0	1
Story delayed	628	3.5	3.9	2.7	0	0	330	4	4.4	2.9	0	0.5	298	3	3.3	2.4	0	0
Trail A	623	53	64.9	42.2	142	105	324	51	60.4	36.5	127	91	299	55	69.8	47.2	158	113
Trail B	602	147.5	172.2	77.7	300	300	312	141	166.8	76.4	300	300	290	157	178.1	78.7	300	300
Temporal orientation	635	0	2.2	10.6	5	2	331	0	1.7	9	4	2	304	0	2.7	12.2	5	3

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	450	28	27.9	2.1	25	26	261	29	28.2	1.7	25	26	189	28	27.6	2.6	24	25
Word list: immediate recall	448	20	19.7	3.8	14	15	260	21	20.5	3.5	14	16	188	19	18.5	3.9	13	14
Delayed recall	438	7	6.6	1.9	3	4	256	7	6.9	1.8	4	5	182	6	6.1	2	2	3
Delayed recognition: N correct yes	423	10	9.6	0.8	8	9	247	10	9.7	0.7	8	9	176	10	9.4	1	7	8
N correct no	423	10	9.9	0.6	9	10	247	10	10	0.2	10	10	176	10	9.8	0.8	9	9
Praxis	449	11	10.8	1.3	9	9	260	11	10.7	1.2	9	9	189	11	10.9	1.3	8	9
Clock	450	8	7.4	1	6	7	261	8	7.4	0.9	6	7	189	8	7.4	1.2	6	6
Boston naming (CERAD)	450	15	14	1.5	11	12	261	15	14.1	1.3	12	12	189	15	14	1.7	11	12
Verbal Fluency: Animals	450	15	14.9	4	9	10	261	15	14.9	3.7	9	10	189	15	14.9	4.4	8	10
Fruits	450	12	12.2	3.2	7	8	261	13	12.9	3	8	10	189	11	11.1	3.2	6	7
Letter P	448	11	11.4	4.1	5	6	259	12	11.9	4.1	6	7	189	10	10.6	4.1	4	6
Letter S	449	11	11.3	4.1	5	6	260	11	11.8	4	5	6	189	11	10.8	4.2	4	5
Story Immediate	451	6.5	6.5	2.9	1.5	3	261	7	7.2	2.8	2.5	3.5	190	5	5.5	2.8	1	1.75
Story delayed	450	5.5	5.7	2.9	1	2	260	6.5	6.4	2.8	2	2.5	190	4.5	4.6	2.7	0	1
Trail A	449	44	51.1	30.2	101	76	260	42.5	47.8	22.7	93	69.5	189	47	55.7	37.8	103	86
Trail B	440	102	122.6	63.4	300	214	255	100	118.9	61.4	300	205	185	105	127.6	65.9	300	223
Temporal orientation	449	0	1.1	7.1	3	1	260	0	0.5	1.8	2	1	189	0	2	10.7	3	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	322	28	27.8	2.6	23	25	177	29	27.7	3.1	22	24	145	28	27.8	2	24	25
Word list: immediate recall	320	20	19.5	4.3	12.5	14	177	21	19.8	4.7	9	15	143	19	19.1	3.7	13	14
Delayed recall	313	6	6.3	2.2	2	4	175	7	6.4	2.4	1	3	138	6	6.1	1.8	3	4
Delayed recognition: N correct yes	296	10	9.5	1	8	8	164	10	9.5	1.1	8	8	132	10	9.5	0.8	8	8
N correct no	296	10	9.8	0.8	9	10	164	10	9.8	1	9	10	132	10	9.9	0.3	9	10
Praxis	322	11	10.9	1.2	8	9	177	11	10.7	1.2	8	9	145	11	11	1.2	9	9
Clock	322	8	7.4	1	6	6	177	8	7.3	1.1	5	6	145	8	7.6	0.9	6	7
Boston naming (CERAD)	322	14	14	1.5	11	12	177	14	13.9	1.7	11	12	145	15	14.1	1.2	12	12
Verbal Fluency: Animals	321	15	15.2	4.3	8	10	176	15	14.7	4.5	7	9	145	16	15.8	4	9	11
Fruits	322	12	12.1	3.3	7	8	177	13	12.7	3.4	7	9	145	11	11.4	3.1	7	8
Letter P	319	12	11.8	3.9	5	7	175	12	12.1	3.8	6	7	144	11.5	11.4	4	5	7
Letter S	320	12	12.1	4.3	5	7	175	12	11.9	4.2	4	7	145	12	12.3	4.4	6	7
Story Immediate	321	7.5	7.2	3	2	3	177	7.5	7.6	3.3	1.5	3.5	144	7	6.5	2.6	2	3
Story delayed	318	6.5	6.4	3.2	1	2	176	7	6.8	3.4	0	2	142	5.5	5.8	2.7	1	2
Trail A	317	42	50	31.9	87	74	175	44	53.5	40	95	77	142	42	45.8	16.6	75	70
Trail B	307	102	121.9	60.6	262	210	165	105	125.3	62.6	270	220	142	99.5	117.9	58.1	260	193
Temporal orientation	320	0	1.6	9.8	2	1	175	0	2.3	12.1	3	2	145	0	0.8	5.9	2	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	1411	28	27.1	3	22	24	773	28	27.4	2.9	23	24	638	27	26.8	3.1	21	24
Word list: immediate recall	1399	19	18.7	4.4	11	13	769	20	19.5	4.3	12	14	630	18	17.7	4.3	11	12
Delayed recall	1372	6	6	2.3	2	3	758	7	6.4	2.2	2	4	614	6	5.5	2.2	1	3
Delayed recognition: N correct yes	1301	10	9.3	1.2	7	8	717	10	9.4	1.2	7	8	584	10	9.2	1.2	7	8
N correct no	1301	10	9.8	0.8	9	10	717	10	9.8	0.8	9	10	584	10	9.8	0.8	9	10
Praxis	1403	11	10.5	1.5	8	9	766	11	10.4	1.4	8	9	637	11	10.5	1.5	8	8
Clock	1407	8	7.2	1.2	5	6	769	8	7.2	1.2	5	6	638	8	7.3	1.2	5	6
Boston naming (CERAD)	1415	14	13.7	1.7	10	12	774	14	13.7	1.7	10	12	641	14	13.8	1.6	11	12
Verbal Fluency: Animals	1410	14	14.2	4.2	7	9	772	14	13.9	4.1	7	9	638	15	14.6	4.2	8	9
Fruits	1410	11	11.5	3.2	6	7	773	12	12	3.2	7	8	637	11	10.8	3.1	6	7
Letter P	1407	10	10.6	4.2	4	5	769	11	11	4.2	5	6	638	10	10.1	4.1	4	5
Letter S	1407	10	10.7	4.3	4	5	769	11	10.8	4.2	4	5	638	10	10.5	4.3	4	5
Story Immediate	1409	5.5	5.8	3.1	1	2	773	6.5	6.4	3.1	1.5	2.5	636	5	5	2.8	0.5	1.5
Story delayed	1396	5	5	3.1	0	1	766	5.5	5.6	3.2	0	1.5	630	4	4.3	2.7	0	0.5
Trail A	1389	48	57.1	37.1	115	86	759	46	54.5	33.8	110	81	630	50	60.2	40.5	130	91
Trail B	1349	122	144.6	73.8	300	300	732	120	140.7	72	300	273	617	126	149.1	75.7	300	300
Temporal orientation	1404	0	1.7	9.4	4	2	766	0	1.4	8.4	4	2	638	0	2	10.6	4	2