

SUPPLEMENTAL MATERIAL

Cognitive function in generally healthy adults age 70 years and older in the 5-country DO-HEALTH study: MMSE and MoCA scores by sex, education and country

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Supplemental Table 1. Percentiles for MMSE scores by sex, age and education, overall

Overall (N = 2151)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 413	n = 375	n = 163	n = 154
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	29	30	29
50 th percentile	29	28	29	28
25 th percentile	27	27	27	27
10 th percentile	26	25	26	25
5 th percentile	25	24	25	24
1 st percentile	24	24	25	24
mean (SD)	28.3 (1.6)	28.0 (1.8)	28.3 (1.5)	28.1 (1.7)
Education > 12 years	n = 354	n = 185	n = 304	n = 203
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	29
50 th percentile	29	29	29	29
25 th percentile	28	28	28	28
10 th percentile	27	27	27	27
5 th percentile	26	27	27	26
1 st percentile	25	25	25	25
mean (SD)	28.9 (1.2)	28.9 (1.3)	28.8 (1.2)	28.6 (1.2)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years				
99 th percentile	30	30	30	30
95 th percentile	30	29	29	29
90 th percentile	29	28	28	28
75 th percentile	28	27	26	26
50 th percentile	26	25	25	24
25 th percentile	23	22	23	21
10 th percentile	20	17	21	18
5 th percentile	17	14	20	17
1 st percentile	13	11	12	13
mean (SD)	24.9 (3.7)	23.6 (4.3)	24.4 (3.2)	23.4 (3.8)
Education > 12 years				
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	29	29	29	29
75 th percentile	28	28	28	28
50 th percentile	27	26	27	26
25 th percentile	25	24	24	24
10 th percentile	23	23	23	22
5 th percentile	22	21	21	20
1 st percentile	20	18	20	19
mean (SD)	26.5 (2.4)	26.0 (2.8)	26.2 (2.6)	25.7 (2.8)

Supplemental Table 2. Percentiles for MMSE and MoCA scores by sex, age and country-specific education for Switzerland

Switzerland (N = 1004)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 13 years	n = 217	n = 223	n = 88	n = 91
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	30
50 th percentile	29	29	29	29
25 th percentile	28	28	28	28
10 th percentile	27	27	26	27
5 th percentile	26	26	26	26
1 st percentile	25	25	25	24
mean (SD)	28.9 (1.2)	28.7 (1.3)	28.6 (1.4)	28.5 (1.4)
Education > 13 years	n = 108	n = 59	n = 127	n = 91
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	30
50 th percentile	29	30	29	29
25 th percentile	29	29	28	28
10 th percentile	27	27	28	27
5 th percentile	27	26	27	26
1 st percentile	26	25	26	25
mean (SD)	29.1 (1.1)	29.2 (1.3)	29.0 (1.0)	28.7 (1.3)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 13 years	n = 217	n = 223	n = 88	n = 91
99 th percentile	30	30	30	30
95 th percentile	30	29	30	29
90 th percentile	29	28	29	29
75 th percentile	28	27	27	27
50 th percentile	27	25	25.5	25
25 th percentile	24	23	23	23
10 th percentile	23	21	20	20
5 th percentile	21	20	20	19
1 st percentile	18	16	17	16
mean (SD)	26.3 (2.7)	25.0 (2.9)	25.0 (3.1)	24.8 (3.1)
Education > 13 years	n = 108	n = 59	n = 127	n = 91
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	29	29
75 th percentile	29	29	29	28
50 th percentile	28	27	27	26
25 th percentile	26	24	25	24
10 th percentile	24	23	23	21
5 th percentile	23	22	23	20
1 st percentile	21	18	19	17
mean (SD)	27.2 (2.3)	26.3 (2.8)	26.6 (2.4)	25.7 (2.9)

Supplemental Table 3. Percentiles for MMSE and MoCA scores by sex, age and country-specific education for Germany

Germany (N = 350)				
<u>MMSE</u>	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 14 years	n = 115	n = 32	n = 27	n = 7
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	29
50 th percentile	29	29	28	29
25 th percentile	28	28.5	27	27
10 th percentile	27	27	26	24
5 th percentile	26	26	24	24
1 st percentile	26	25	24	24
mean (SD)	28.6 (1.2)	28.8 (1.3)	28.2 (1.7)	28.0 (2.0)
Education > 14 years	n = 79	n = 21	n = 47	n = 22
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	29
75 th percentile	30	30	30	29
50 th percentile	29	29	29	29
25 th percentile	28	29	28	28
10 th percentile	27	28	28	27
5 th percentile	26	28	27	27
1 st percentile	24	25	27	26
mean (SD)	28.9 (1.4)	29.1 (1.2)	28.9 (1.0)	28.6 (1.0)
<u>MoCA</u>	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 14 years	n = 115	n = 32	n = 27	n = 7
99 th percentile	29	28	28	26
95 th percentile	28	27	28	26
90 th percentile	28	27	28	26
75 th percentile	27	27	26	25
50 th percentile	25	26	25	22
25 th percentile	23	23	21	21
10 th percentile	22	22	21	21
5 th percentile	21	21	20	21
1 st percentile	17	20	20	21
mean (SD)	25.0 (2.5)	24.9 (2.2)	24.2 (2.6)	22.9 (2.0)
Education > 14 years	n = 79	n = 21	n = 47	n = 22
99 th percentile	30	29	29	28
95 th percentile	29	29	28	27
90 th percentile	29	28	27	27
75 th percentile	28	28	27	25
50 th percentile	26	26	25	24
25 th percentile	24	24	23	22
10 th percentile	23	23	22	22
5 th percentile	22	23	22	20
1 st percentile	19	21	20	19
mean (SD)	25.9 (2.2)	25.7 (2.2)	24.9 (2.0)	23.8 (2.2)

Supplemental Table 4. Percentiles for MMSE and MoCA scores by sex, age and country-specific education for Austria

Austria (N = 199)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 11 years	n = 44	n = 18	n = 26	n = 14
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	29	29	29
50 th percentile	29	29	28.5	29
25 th percentile	28	28	27	28
10 th percentile	27	27	26	28
5 th percentile	27	26	26	27
1 st percentile	27	26	26	27
mean (SD)	28.9 (1.0)	28.6 (1.2)	28.4 (1.3)	28.6 (1.7)
Education > 11 years	n = 29	n = 11	n = 40	n = 17
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	30
50 th percentile	30	28	29	29
25 th percentile	29	28	28	28
10 th percentile	28	28	27	27
5 th percentile	28	26	27	24
1 st percentile	27	26	26	24
mean (SD)	29.3 (0.9)	28.6 (1.3)	29.0 (1.1)	28.8 (0.9)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 11 years	n = 44	n = 18	n = 26	n = 14
99 th percentile	30	29	28	30
95 th percentile	30	29	28	30
90 th percentile	29	29	28	29
75 th percentile	27	28	27	27
50 th percentile	27	25.5	25	26
25 th percentile	25	23	22	24
10 th percentile	23	21	20	19
5 th percentile	22	17	20	18
1 st percentile	22	17	20	18
mean (SD)	26.6 (2.4)	25.3 (3.3)	24.6 (2.7)	25.3 (3.4)
Education > 11 years	n = 29	n = 11	n = 40	n = 17
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	29	30	29
75 th percentile	30	27	28.5	27
50 th percentile	28	26	27	27
25 th percentile	25	24	25	25
10 th percentile	23	23	24	24
5 th percentile	22	22	23	22
1 st percentile	22	22	23	22
mean (SD)	27.2 (2.6)	26.0 (2.4)	26.8 (2.1)	26.4 (2.0)

Supplemental Table 5. Percentiles for MMSE and MoCA scores by sex, age and country-specific education for France

France (N = 297)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 14 years	n = 51	n = 74	n = 28	n = 32
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	29	29	29.5	29
50 th percentile	28	28	28.5	28
25 th percentile	27	27	27	27
10 th percentile	25	25	26	25
5 th percentile	25	25	26	24
1 st percentile	24	24	25	24
mean (SD)	28.0 (1.6)	27.7 (1.7)	28.3 (1.3)	28.0 (1.7)
Education > 14 years	n = 27	n = 27	n = 33	n = 25
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	29	29	29
50 th percentile	29	29	29	29
25 th percentile	28	28	28	28
10 th percentile	26	27	27	27
5 th percentile	26	27	25	26
1 st percentile	26	27	25	25
mean (SD)	28.8 (1.3)	28.6 (1.0)	28.6 (1.4)	28.4 (1.3)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 14 years	n = 51	n = 74	n = 28	n = 32
99 th percentile	30	30	29	30
95 th percentile	30	29	29	30
90 th percentile	29	29	29	29
75 th percentile	29	28	27	28
50 th percentile	27	26	26	26
25 th percentile	24	24	25	24
10 th percentile	23	22	23	22
5 th percentile	22	19	22	18
1 st percentile	19	17	22	17
mean (SD)	26.3 (2.6)	25.7 (3.0)	26.0 (2.0)	25.7 (3.1)
Education > 14 years	n = 27	n = 27	n = 33	n = 25
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	29
75 th percentile	29	29	29	28
50 th percentile	28	27	28	27
25 th percentile	26	26	27	26
10 th percentile	24	25	25	25
5 th percentile	22	24	24	24
1 st percentile	22	23	23	23
mean (SD)	27.4 (2.1)	27.1 (1.9)	27.8 (1.9)	27.1 (1.7)

Supplemental Table 6. Percentiles for MMSE and MoCA scores by sex, age and country-specific education for Portugal

Portugal (N = 301)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 6 years	n = 57	n = 59	n = 17	n = 29
99 th percentile	30	30	30	30
95 th percentile	29	29	30	29
90 th percentile	28	29	30	29
75 th percentile	27	27	29	29
50 th percentile	26	26	28	28
25 th percentile	26	24	26	26
10 th percentile	24	24	25	24
5 th percentile	24	24	25	24
1 st percentile	24	24	25	24
mean (SD)	26.3 (1.6)	26.2 (1.7)	27.5 (1.9)	27.2 (1.8)
Education > 6 years	n = 40	n = 36	n = 34	n = 29
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	29	30	29
50 th percentile	28	28	29	28
25 th percentile	27	26	27	27
10 th percentile	26	25	26	25
5 th percentile	26	24	26	24
1 st percentile	26	24	25	24
mean (SD)	28.2 (1.5)	27.6 (1.8)	28.4 (1.5)	28.0 (1.7)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 6 years	n = 57	n = 59	n = 17	n = 29
99 th percentile	27	27	26	26
95 th percentile	25	25	26	25
90 th percentile	24	23	25	24
75 th percentile	22	21	24	22
50 th percentile	20	17	23	20
25 th percentile	17	14	19	17
10 th percentile	13	12	12	14
5 th percentile	13	10	10	13
1 st percentile	11	9	10	13
mean (SD)	19.5 (3.7)	17.1 (4.4)	20.7 (4.7)	19.6 (3.6)
Education > 6 years	n = 40	n = 36	n = 34	n = 29
99 th percentile	30	28	30	30
95 th percentile	29	28	28	28
90 th percentile	28	27	27	28
75 th percentile	27	26	26	26
50 th percentile	25	23	24.5	24
25 th percentile	22	21	22	20
10 th percentile	18	19	21	19
5 th percentile	16	18	20	18
1 st percentile	16	16	20	17
mean (SD)	24.1 (3.7)	23.1 (3.2)	24.3 (2.4)	23.6 (3.6)

Supplemental Table 7. Percentiles for MMSE and MoCA scores by sex, age and education (cutoff 12 years) for Switzerland

Switzerland (N = 1004)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 179	n = 195	n = 52	n = 59
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	30
50 th percentile	29	29	29	29
25 th percentile	28	28	28	28
10 th percentile	27	27	27	26
5 th percentile	26	26	25	26
1 st percentile	25	24	25	24
mean (SD)	28.8 (1.3)	28.7 (1.3)	28.6 (1.4)	28.7 (1.4)
Education > 12 years	n = 146	n = 87	n = 163	n = 123
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	30
50 th percentile	29	30	29	29
25 th percentile	29	29	28	28
10 th percentile	28	27	27	27
5 th percentile	27	27	27	26
1 st percentile	26	25	26	25
mean (SD)	29.1 (1.0)	29.1 (1.3)	28.9 (1.1)	28.6 (1.3)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 179	n = 195	n = 52	n = 59
99 th percentile	30	30	30	30
95 th percentile	30	29	29	29
90 th percentile	29	28	29	28
75 th percentile	28	27	27	26
50 th percentile	27	25	25.5	25
25 th percentile	24	23	23	22
10 th percentile	23	21	22	20
5 th percentile	21	20	18	19
1 st percentile	18	15	17	16
mean (SD)	26.2 (2.7)	24.9 (2.8)	25.0 (3.1)	24.4 (3.1)
Education > 12 years	n = 146	n = 87	n = 163	n = 123
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	29	29	29
75 th percentile	29	29	28	28
50 th percentile	28	26	27	26
25 th percentile	26	24	24	23
10 th percentile	24	23	23	21
5 th percentile	23	21	21	20
1 st percentile	21	16	19	19
mean (SD)	27.2 (2.4)	26.0 (3.0)	26.3 (2.7)	25.6 (3.0)

Supplemental Table 8. Percentiles for MMSE and MoCA scores by sex, age and education (cutoff 12 years) for Germany

Germany (N = 350)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 67	n = 19	n = 15	n = 5
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	29	30	30	29
50 th percentile	29	29	28	29
25 th percentile	28	29	28	27
10 th percentile	26	27	27	24
5 th percentile	26	26	24	24
1 st percentile	24	26	24	24
mean (SD)	28.5 (1.4)	29.9 (1.2)	28.4 (1.6)	27.8 (2.4)
Education > 12 years	n = 127	n = 34	n = 59	n = 24
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	29
75 th percentile	30	30	30	29
50 th percentile	29	29	29	29
25 th percentile	28	29	28	28
10 th percentile	27	28	27	27
5 th percentile	27	25	27	27
1 st percentile	24	25	24	26
mean (SD)	28.9 (1.2)	29.0 (1.3)	28.7 (1.2)	28.6 (0.9)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 67	n = 19	n = 15	n = 5
99 th percentile	29	27	28	25
95 th percentile	28	27	28	25
90 th percentile	28	27	28	25
75 th percentile	27	27	26	22
50 th percentile	25	26	24	22
25 th percentile	23	23	21	21
10 th percentile	21	21	21	21
5 th percentile	20	21	20	21
1 st percentile	17	21	20	21
mean (SD)	24.7 (2.6)	24.8 (2.1)	23.8 (2.5)	22.2 (1.6)
Education > 12 years	n = 127	n = 34	n = 59	n = 24
99 th percentile	29	29	29	28
95 th percentile	29	29	28	27
90 th percentile	28	28	27	27
75 th percentile	27	27	27	25.5
50 th percentile	26	26	25	24
25 th percentile	24	24	23	22
10 th percentile	23	23	22	22
5 th percentile	22	21	21	20
1 st percentile	20	20	20	19
mean (SD)	25.7 (2.2)	25.4 (2.3)	24.9 (2.2)	23.9 (2.2)

Supplemental Table 9. Percentiles for MMSE and MoCA scores by sex, age and education (cutoff 12 years) for Austria

Austria (N = 199)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 58	n = 25	n = 40	n = 21
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	30	30	30
50 th percentile	29	29	29	29
25 th percentile	28	28	28	28
10 th percentile	28	27	27	27
5 th percentile	27	26	26	27
1 st percentile	27	26	26	24
mean (SD)	29.1 (1.0)	28.6 (1.3)	28.6 (1.2)	28.6 (1.5)
Education > 12 years	n = 15	n = 4	n = 26	n = 10
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	29	30	29
50 th percentile	29	28	30	29
25 th percentile	28	28	28	28
10 th percentile	28	28	27	28
5 th percentile	27	28	27	28
1 st percentile	27	28	26	28
mean (SD)	29.1 (1.0)	28.5 (1.0)	29.1 (1.2)	28.8 (0.8)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 58	n = 25	n = 40	n = 21
99 th percentile	30	29	30	30
95 th percentile	30	29	28.5	30
90 th percentile	30	29	28	29
75 th percentile	29	27	27	27
50 th percentile	27	26	25.5	26
25 th percentile	25	24	23.5	25
10 th percentile	23	22	21.5	23
5 th percentile	22	21	20	19
1 st percentile	22	17	20	18
mean (SD)	26.7 (2.4)	25.4 (3.0)	25.2 (2.5)	25.8 (3.0)
Education > 12 years	n = 15	n = 4	n = 26	n = 10
99 th percentile	30	30	30	29
95 th percentile	30	30	30	29
90 th percentile	30	30	30	28.5
75 th percentile	30	29.5	29	27
50 th percentile	29	27	28	26.5
25 th percentile	26	24	25	25
10 th percentile	22	23	24	23
5 th percentile	22	23	23	22
1 st percentile	22	23	23	22
mean (SD)	27.6 (2.9)	26.8 (3.3)	27.2 (2.3)	26.0 (2.1)

Supplemental Table 10. Percentiles for MMSE and MoCA scores by sex, age and education (cutoff 12 years) for France

France (N = 297)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 32	n = 56	n = 21	n = 23
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	29	29	29	29
50 th percentile	28	27.5	28	28
25 th percentile	27	26	27	27
10 th percentile	26	25	26	25
5 th percentile	25	24	26	24
1 st percentile	25	24	25	24
mean (SD)	26.4 (2.4)	25.3 (3.0)	28.1 (1.5)	27.6 (1.8)
Education > 12 years	n = 46	n = 45	n = 40	n = 34
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	30	29	30	29
50 th percentile	29	29	29	29
25 th percentile	28	28	28	28
10 th percentile	26	27	27	27
5 th percentile	25	27	25	26
1 st percentile	24	25	25	25
mean (SD)	26.9 (2.5)	27.0 (2.2)	28.6 (1.4)	28.5 (1.2)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 32	n = 56	n = 21	n = 23
99 th percentile	30	30	29	30
95 th percentile	30	29	29	29
90 th percentile	29	29	29	28
75 th percentile	28.5	27.5	27	27
50 th percentile	26.5	26	26	25
25 th percentile	24.5	24	25	23
10 th percentile	23	21	23	21
5 th percentile	23	18	22	18
1 st percentile	21	17	22	17
mean (SD)	28.1 (1.4)	27.5 (1.7)	25.7 (2.0)	24.9 (3.2)
Education > 12 years	n = 46	n = 45	n = 40	n = 34
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	29	30	29
75 th percentile	29	29	29	28
50 th percentile	27	28	28	27
25 th percentile	26	26	27	26
10 th percentile	23	4	25	25
5 th percentile	22	23	24	24
1 st percentile	19	21	23	23
mean (SD)	28.4 (1.7)	28.5 (1.2)	27.7 (1.9)	27.3 (1.6)

Supplemental Table 11. Percentiles for MMSE and MoCA scores by sex, age and education (cutoff 12 years) for Portugal

Portugal (N = 301)				
MMSE	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 77	n = 80	n = 35	n = 46
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	29	29	30	29
75 th percentile	28	28	29	29
50 th percentile	27	27	28	28
25 th percentile	26	26	26	26
10 th percentile	24	24	25	24
5 th percentile	24	24	25	24
1 st percentile	24	24	25	24
mean (SD)	26.6 (1.7)	26.4 (1.8)	27.8 (1.8)	27.4 (1.9)
Education > 12 years	n = 20	n = 15	n = 16	n = 12
99 th percentile	30	30	30	30
95 th percentile	30	30	30	30
90 th percentile	30	30	30	30
75 th percentile	29	30	30	29
50 th percentile	29	28	29	29
25 th percentile	27.5	28	28	28.5
10 th percentile	27	27	27	27
5 th percentile	26.5	26	26	26
1 st percentile	26	26	26	26
mean (SD)	28.7 (1.3)	28.7 (1.3)	28.8 (1.2)	28.7 (1.2)
MoCA	Women		Men	
	70-74 years	≥ 75 years	70-74 years	≥ 75 years
Education ≤ 12 years	n = 77	n = 80	n = 35	n = 46
99 th percentile	29	27	28	25
95 th percentile	28	27	28	25
90 th percentile	28	27	28	25
75 th percentile	27	27	26	22
50 th percentile	25	26	24	22
25 th percentile	23	23	21	21
10 th percentile	21	21	21	21
5 th percentile	20	21	20	21
1 st percentile	17	21	20	21
mean (SD)	20.2 (4.1)	18.5 (4.8)	22.2 (3.8)	20.5 (3.6)
Education > 12 years	n = 20	n = 15	n = 16	n = 12
99 th percentile	29	29	29	28
95 th percentile	29	29	28	27
90 th percentile	28	28	27	27
75 th percentile	27	27	27	25.5
50 th percentile	26	26	25	24
25 th percentile	24	24	23	22
10 th percentile	23	23	22	22
5 th percentile	22	21	21	20
1 st percentile	20	20	20	19
mean (SD)	25.8 (2.0)	23.9 (2.9)	25.1 (2.7)	26.0 (2.9)