

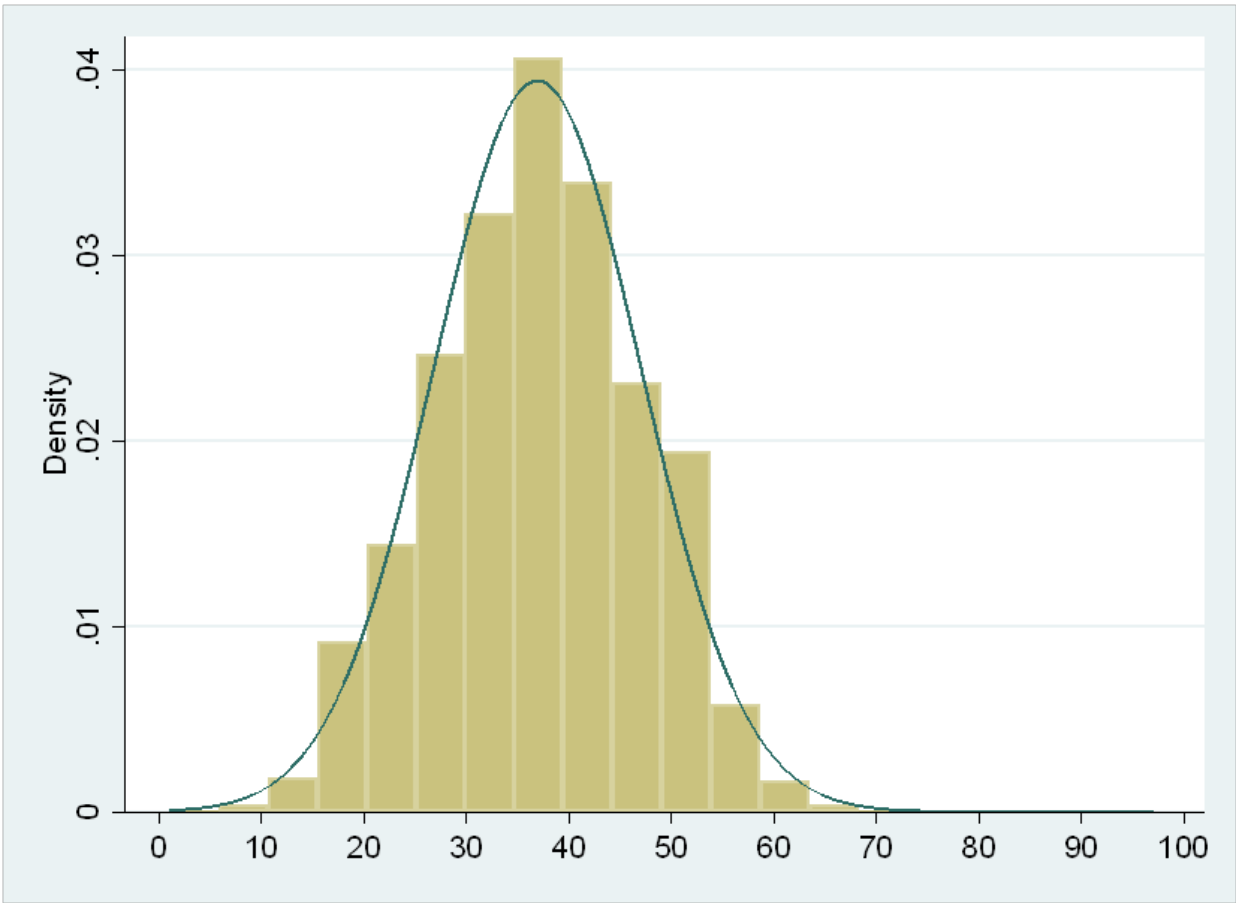
Supplementary Material

Normative Data for the Symbol Digit Modalities Test in Older White Australians and Americans, African-Americans, and Hispanic/Latinos

Supplementary Table 1. Multivariable linear regression models for the association between participant characteristics and Symbol Digit Modalities Test scores (n=18,578).

	β (S.E)	p
<i>Ethno-racial group:</i>		
White Australians	Reference	
White U.S.	2.03 (0.30)	<0.0001
African-American U.S.	-7.07 (0.33)	<0.0001
Hispanic/Latino U.S.	-4.30 (0.52)	<0.0001
Male	Reference	
Female	2.93 (0.14)	<0.0001
Age, y	-0.65 (0.02)	<0.0001
<i>Education Level (y):</i>		
<9	Reference	
9-11 y	3.62 (0.21)	<0.0001
12 y	4.86 (0.26)	<0.0001
13-15 y	6.31 (0.24)	<0.0001
16 y	7.47 (0.28)	<0.0001
≥ 17 y	8.96 (0.24)	<0.0001

β , beta-coefficient from the multivariable linear regression model; S.E., standard error.



Supplementary Figure 1. The distribution of total SDMT scores across all ASPREE participants included in this analysis (n=18,578).

Supplementary Table 2. Age, education, and gender specific reference values for SDMT in Australian whites (n=16,289).

Percentile	70 – 74 y											
	Education <9 y		Education 9-11 y		Education 12 y		Education 13-15 y		Education 16 y		Education ≥17 y	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
(n)	(664)	(774)	(1,319)	(1,785)	(443)	(558)	(670)	(780)	(368)	(437)	(888)	(717)
2.5th	16	17	20	21	19	21	21	22	24	23	23	24
5th	18	21	21	24	21	25	23	25	26	27	27	28
10th	21	23	24	27	25	28	27	30	29	30	30	31
25th	26	29	29	33	30	35	33	36	35	36	37	37
50th	32	36	35	40	36	42	38	42	41	42	43	43
75th	37	42	42	46	43	48	45	48	47	48	48	49
90th	43	48	48	51	50	52	50	52	51	52	53	53
95th	47	52	50	54	52	55	53	56	53	55	56	56
97.5th	50	53	52	57	54	58	58	58	58	58	58	58
	75 – 79 y											
(n)	(353)	(462)	(604)	(890)	(198)	(267)	(253)	(390)	(128)	(195)	(323)	(264)
2.5th	14	16	17	18	18	19	19	19	17	19	24	21
5th	16	18	19	20	21	20	22	21	21	22	27	24
10th	18	20	20	24	23	24	24	23	25	26	29	28
25th	22	25	26	30	28	30	30	30	30	32	34	34
50th	28	32	33	36	35	37	35	37	37	38	39	40
75th	34	39	39	42	40	44	42	44	44	45	45	47
90th	41	46	44	49	45	49	47	49	49	50	50	52
95th	45	50	47	51	49	50	50	53	52	52	51	53
97.5th	49	52	50	54	52	54	54	55	55	57	53	56
	80+ y											
(n)	(238)	(338)	(287)	(524)	(122)	(176)	(184)	(209)	(83)	(86)	(175)	(137)
2.5th	11	12	15	15	16	16	16	18	18	16	18	18
5th	14	15	16	17	17	19	19	18	20	21	20	21

10th	16	16	19	19	19	21	22	20	23	25	23	23
25th	20	21	22	24	25	27	26	27	28	28	29	29
50th	24	27	28	31	31	33	32	35	32	36	35	37
75th	30	35	35	38	38	41	39	42	38	42	41	44
90th	35	41	41	45	41	47	43	48	47	45	46	50
95th	38	46	44	49	45	50	46	52	50	49	49	51
97.5th	43	50	46	50	47	55	49	53	51	52	52	53

Supplementary Table 3. Age, education, and gender specific reference values for SDMT in U.S. participants.

U.S. WHITE (n=1,082)								
Percentile	70-74 y				75-85+ y			
	Education 0-12 ys		Education >12 y		Education 0-12 y		Education >12 y	
	Male	Female	Male	Female	Male	Female	Male	Female
<i>(n)</i>	<i>(28)</i>	<i>(56)</i>	<i>(131)</i>	<i>(271)</i>	<i>(30)</i>	<i>(88)</i>	<i>(155)</i>	<i>(323)</i>
2.5th	17	20	24	27	14	20	19	21
5th	22	23	26	28	17	22	20	23
10th	28	31	29	33	19	25	23	28
25th	34	35	38	40	25	31	32	35
50th	38	41	44	45	31	37	37	42
75th	45	47	50	50	38	45	45	47
90th	49	53	52	55	44	48	51	52
95th	54	54	55	58	47	53	53	54
97.5th	56	58	57	61	49	56	54	58
U.S. AFRICAN AMERICAN (n=891)								
	65-69 y				70-85+ y			
	Education 0-12 y		Education >12 y		Education 0-12 y		Education >12 y	
	Male	Female	Male	Female	Male	Female	Male	Female
<i>(n)</i>	<i>(54)</i>	<i>(64)</i>	<i>(100)</i>	<i>(182)</i>	<i>(60)</i>	<i>(105)</i>	<i>(87)</i>	<i>(239)</i>
2.5th	12	14	19	20	6	11	18	18
5th	15	16	20	22	10	11	18	19
10th	16	20	22	28	13	15	20	21
25th	19	26	29	35	19	21	23	26
50th	25	34	35	41	26	26	32	34
75th	36	44	44	48	32	34	38	43
90th	41	49	50	53	34	42	44	48
95th	43	52	62	59	45	48	50	50
97.5th	45	54	64	62	49	54	53	54

U.S. HISPANIC/LATINO (n=316)

	65-69 y				70-85+ y			
	Education 0-12 y		Education >12 y		Education 0-12 y		Education >12 ys	
	Male	Female	Male	Female	Male	Female	Male	Female
<i>(n)</i>	<i>(28)</i>	<i>(47)</i>	<i>(23)</i>	<i>(37)</i>	<i>(37)</i>	<i>(79)</i>	<i>(33)</i>	<i>(32)</i>
2.5th	9	14	20	26	11	13	23	16
5th	12	17	22	31	14	13	23	17
10th	20	20	30	35	16	17	29	21
25th	24	28	35	39	21	25	32	28
50th	35	35	41	43	29	32	37	35
75th	40	42	50	48	39	39	44	45
90th	41	49	53	52	45	46	48	51
95th	45	53	56	55	49	49	50	54
97.5th	45	59	56	71	57	50	50	57
