Supplementary Table S1. Details of cohort studies participating in the study

Einstein Aging Study (EAS)	EAS enrolled a systematically recruited sample of adults over the age of 70 residing in the Bronx, New York starting in 1993 [11]. Participants with prevalent dementia at baseline were excluded from our analysis. We included five annual waves of pulmonary data (mean PEF of three trials) and cognitive data (Blesses Information Memory Concentration (BIMC) converted to Mini-Mental State Exam (MMSE) metric, Wechsler Adult Intelligence Scale-Revised (WAIS-R) digit symbol coding, category fluency, the Controlled Oral Word Fluency Test (FAS), WAIS-R block design, figure copy (recall), Trail Making Test B, WAIS-R Digit Span (total), Wechsler Memory Scale Logical Memory total recall, and WAIS-R vocabulary).
English Longitudinal Study of Aging (ELSA)	ELSA is a representative sample of individuals 50 years and older, living in England, who participated in the Health Survey for England (HSE) [12]. In ELSA, seven waves of data (spanning a 10-year period) were collected at approximately two year intervals starting in 2002. However, analyses in this study focused on the three occasions with pulmonary data (highest FEV1 of three trials), waves two, four, and six (2005, 2009 and 2013) at four year intervals, and the concurrent cognitive data (immediate word recall, delayed word recall).
Health and Retirement Study (HRS)	HRS is a longitudinal study of health and economic well-being among non-institutionalized and representative adults aged 50-104 years living across the US with data (spanning eight years) collected every two years starting in 1992 [13, 14]. For this analysis, we included the three waves of pulmonary function (mean PEF of three trials; 2004, 2008, 2012) and five waves of measures of cognitive function (Telephone Interview for Cognitive Status (TICS), which is similar to the MMSE, Serial 7's test, and word list immediate recall and delayed recall), including data from the intervening waves (2006 and 2010).
Longitudinal Study of Aging Amsterdam (LASA)	LASA is a cross-sequential longitudinal study designed to examine the predictors and consequences of changes with ageing on autonomy and well-being of older adults [15]. Data were collected every three years starting in 1992 in the Netherlands from a sample of representative adults between the initial ages of 55–85 years. In this analysis, we included six waves (spanning 15 years) of pulmonary (highest PEF of 3 trials) and cognitive data (an adapted version of the Alphabet Coding Task, Raven's Colored Progressive Matrices, and the 15 Words Test- immediate and delayed recall).
Memory and Aging Project (MAP)	MAP has collected longitudinal data annually from adults over 65 years of age recruited primarily through retirement communities in the Chicago area starting in 1997 [16, 17]. For this analysis, we included five waves of pulmonary (mean of two FEV1 trials) and cognitive data (MMSE, digit span forward and backward, number comparison, digit symbol, category fluency, progressive matrices, digit ordering task, word list immediate recall, delayed recall, and recognition, logical memory immediate and delayed recall, Boston story immediate and delayed recall, Boston Naming Test, National Adult Reading Test (NART), complex ideational materials test, and line orientation).
The Veterans Affairs Normative Aging Study (NAS)	NAS collected approximately every three years from a non-representative sample of U.S. community-residing men, initially recruited between 1961 and 1970, and aged 49-97 in 1993 [18]. This analysis included up to four waves, over 9 years (1993-2010), of pulmonary (highest FEV1 of three trials) and cognitive data (MMSE, Neurobehavioral Evaluation System-2 Pattern Comparison test, WAIS-R digit span backward total and longest digits, and from the Consortium to Establish aRegistry for Alzheimer's Disease (CERAD) Battery: animal naming test, figure-copying test, and word list learning test immediate and delayed recall.
Origins of Variance in the Oldest-Old: Octogenarian Twin (OCTO-Twin)	OCTO-Twin includes a representative sample of dizygotic (DZ) and monozygotic (MZ) twin pairs aged 80 years of age and older [19, 20] selected from older adults in the population-based Swedish Twin Registry in 1991 [30] Five measurement occasions, spanning eight years, were collected at two year intervals, including pulmonary (highest PEF over three trials) and cognitive data (MMSE, Clock test, digit span forward and backward, digit symbol, perceptual speed, block design, figure logic, prose recall, information, synonyms test, and object learning recall and recognition (Memory-in-Reality (MIR) test, a test designed as an ecologically valid alternative to word-list learning). Given the advanced age and higher dementia prevalence of this sample, individuals diagnosed with dementia at baseline were excluded.
Swedish Adoption Twin Study of Aging (SATSA)	SATSA included six waves (1-3 and 5-7), collected at approximately three year intervals (starting in 1986-1988) in a population of adult Swedish twins aged 50–88 at the first wave of testing [21, 22]. Waves 1-5 added new twins to the sample as they reached age 50. Data collected included pulmonary (highest FEV1 of two trials for the first five waves, and one trial of FEV1 for the final wave) and cognitive (MMSE, digit span forward, digit span back, digit symbol, block design, card rotations, figure memory, synonyms, information, analogies).

Supplemental Table S2. Baseline means of the cognitive measures (by domain) in each of the studies (with standard deviations in parentheses)

Domain (Measure)	**EAS**	**ELSA**	**HRS**	**LASA**	**MAP**	**NAS**	**OCTO-Twin**	**SATSA**
Mental Status								
Clock	-	-	-	-	-	-	14.09 (2.44)	-
Complex Ideas	-	-	-	-	7.66 (0.72)	-	-	-
Calculated MMSE	25.7 (2.4)	-	-	-	-	-	-	-
MMSE	-	-	-	27.71 (1.98)	27.49 (3.31)	27.64 (1.91)	27.09 (2.86)	27.80 (2.04)
Processing Speed								
Digit Symbol/Coding	37.2 (14.8)	-	-	25.65 (7.08)	37.08 (11.72)	-	24.45 (10.91)	38.38 (12.29)
Number Comparison	-	-	-	-	23.93 (7.69)	-	-	-
Perceptual speed	-	-	-	-	-	-	11.15 (3.87)	-
Attention and working memory								
Digit Span Forward	-	-	-	-	8.19 (2.07)	-	5.49 (1.20)	5.64 (1.16)
Digit Span Backward	-	-	-	-	6.05 (2.11)	4.98 (2.31)	3.38 (1.51)	4.03 (1.38)
Digit Span Backward Span	-	-	-	-	-	5.04 (1.41)	-	-
Digit Ordering	-	-	-	-	7.04 (1.75)	-	-	-
Digit Span Total	13.3 (3.7)	-	-	-	-	-	-	-
Serial 7s	-	-	3.62 (1.62)	-	-	-	-	-
Trails B	157.0 (77.3)	-	-	-	-	-	-	-
Perceptual Reasoning								
Block Design	19.6 (9.5)	-	-	-	-	-	11.86 (7.06)	18.44 (7.70)
Figure Copy	-	-	-	-	-	14.86 (5.67)	-	-
Figure Logic	-	-	-	-	-	-	15.61 (4.12)	-
Line Orientation	-	-	-		9.87 (3.16)			
Pattern Comparison	-	-	-	-	-	5.71 (1.62)	-	-
Progressive Matrices	-	-	-	18.66 (3.79)	11.55 (2.86)	-	-	-
Card Rotations	-	-	-	-	-	-	-	48.42 (18.99)
Verbal Ability								
Analogies	-	-	-	-	-	-	-	14.41 (3.95)
Animals	-	-	-	-	-	18.67 (5.01)	-	-
Boston Naming Test	11.2 (2.9)	-	-		13.72 (1.65)			
Categories	35.0 (9.7)	-	-		33.10 (9.80)			
FAS	32.7 (13.3)	-	-	-	-	-	-	-
Information	-	-	-	-	-	-	28.14 (10.99)	30.91 (8.41)
NART	-	-	-	-	7.84 (2.38)	-	-	-
Synonyms	-	-	-	-	-	-	16.60 (5.95)	18.57 (5.77)
Vocabulary	44.7 (14.1)	-	-	-	-	-	-	-
Learning and Memory								
Boston Story Immediate	-	-	-	-	9.42 (2.08)	-	-	-
Boston Story Delay	-	-	-	-	8.80 (2.64)	-	-	-
Figure Memory	-	-	-	-	-	-	-	20.60 (4.62)
Logical Memory Immediate	-	-	-	-	10.64 (4.58)	-	-	-
Logical Memory Delay	-	-	-	-	8.83 (4.70)	-	-	-
Logical Memory Total	18.7 (7.2)							
Objects Recalled	-	-	-	-	-	-	6.46 (2.37)	-
Objects Recognized	-	-	-	-	-	-	9.58 (1.39)	-
Prose Immediate	-	-	-	-	-	-	9.73 (3.89)	-
Word List Immediate	29.2 (7.5)	5.71 (1.78)	5.39 (1.58)	19.66 (5.92)	16.74 (4.68)	18.80 (3.86)	-	-
Word List Delay	-	4.36 (2.06)	4.26 (1.92)	5.48 (2.74)	5.05 (2.54)	6.30 (1.93)	-	-
Word List Recognition	-	-	-	-	9.29 (1.63)	-	-	-

Note. EAS = Einstein Aging Study. ELSA = English Longitudinal Study of Aging. HRS = Health Retirement Study. LASA = Longitudinal Aging Study Amsterdam. MAP = Memory and Aging Project. NAS = Veterans Affairs Normative Aging Study. OCTO-twin = Octogenarian Twin Study. SATSA = Swedish Adoption Twin Study of Aging.

Supplemental Table S3. Correlations for intercepts, slopes and residuals of pulmonary function and cognitive performance measures among men and women as calculated through the coordinated analysis

Cognitive Domain	Study	Pulmonary measure	Cognitive measure	Sex	*n*	Correlation (Std Err) *p* Intercept Estimates			Correlation (Std Err) *p* Slope Estimates			Correlation (Std Err) *p* Residual Estimates		
Mental Status														
	OCTO	PEF	Clock	Men	181	0.29	(0.13)	0.03*	0.17	(0.41)	0.68	0.08	(0.11)	0.49
	OCTO	PEF	Clock	Women	344	0.24	(0.19)	0.03*	0.17	(0.26)	0.53	0.16	(0.07)	0.03*
	MAP	FEV_1	Complex Ideas	Men	439	0.04	(0.09)	0.64	-0.03	(0.31)	0.92	0.04	(0.04)	0.33
	MAP	FEV_1	Complex Ideas	Women	1159	0.17	(0.06)	< 0.01**	0.47	(0.24)	0.05*	0.03	(0.03)	0.28
	EAS	PEF	Calculated MMSE	Men	324	0.31	(0.16)	0.05*	0.76	(1.10)	0.49	-0.05	(0.06)	0.42
	EAS	PEF	Calculated MMSE	Women	545	0.18	(0.10)	0.09	0.07	(0.73)	0.92	-0.01	(0.05)	0.82
	MAP	FEV_1	MMSE	Men	399	0.05	(0.08)	0.51	0.12	(0.27)	0.66	0.02	(0.04)	0.59
	MAP	FEV_1	MMSE	Women	1159	0.01	(0.06)	0.84	0.49	(0.20)	0.01**	0.07	(0.03)	< 0.01**
	NAS	FEV_1	MMSE	Men	1131	0.20	(0.07)	0.01**	-0.12	(0.23)	0.61	-0.02	(0.03)	0.44
	OCTO	PEF	MMSE	Men	183	0.55	(0.16)	< 0.01**	0.16	(0.41)	0.70	0.17	(0.13)	0.19
	OCTO	PEF	MMSE	Women	346	0.11	(0.12)	0.36	0.08	(0.32)	0.80	0.23	(0.07)	< 0.01**
	SATSA	FEV_1	MMSE	Men	299	0.16	(0.12)	0.18	0.35	(0.30)	0.24	0.05	(0.05)	0.28
	SATSA	FEV_1	MMSE	Women	411	-0.07	(0.18)	0.72	0.36	(0.20)	0.07	0.14	(0.05)	< 0.01**
Processing Speed														
	LASA	PEF	Coding	Men	844	0.16	(0.04)	< 0.01**	0.18	(0.12)	0.13	0.13	(0.03)	< 0.01**
	LASA	PEF	Coding	Women	843	0.24	(0.04)	< 0.01**	-0.04	(0.28)	0.89	0.11	(0.03)	< 0.01**
	MAP	FEV_1	Number Comparison	Men	399	-0.01	(0.06)	0.87	-0.28	(0.37)	0.45	0.03	(0.04)	0.49
	MAP	FEV_1	Number Comparison	Women	1158	0.14	(0.04)	< 0.01**	0.20	(0.24)	0.42	0.01	(0.03)	0.76
	OCTO	PEF	Perceptual Speed	Men	168	0.39	(0.11)	< 0.01**	0.68	(0.24)	0.01**	-0.03	(0.11)	0.80
	OCTO	PEF	Perceptual Speed	Women	314	0.23	(0.12)	0.05*	-0.01	(0.56)	0.99	0.03	(0.09)	0.72
	EAS	PEF	Digit Symbol	Men	324	0.40	(0.10)	< 0.01**	0.67	(0.32)	0.04*	-0.13	(0.07)	0.04
	EAS	PEF	Digit Symbol	Women	545	0.26	(0.08)	< 0.01**	0.46	(0.25)	0.07	0.02	(0.05)	0.66
	MAP	FEV_1	Symbol	Men	399	0.14	(0.06)	0.04*	0.06	(0.34)	0.86	0.08	(0.04)	0.05*
	MAP	FEV_1	Symbol	Women	1158	0.13	(0.04)	< 0.01**	0.50	(0.22)	0.02	0.05	(0.03)	0.06
	OCTO	PEF	Symbol	Men	176	0.35	(0.08)	< 0.01**	0.68	(0.14)	< 0.01**	-0.02	(0.07)	0.73
	OCTO	PEF	Symbol	Women	327	0.41	(0.07)	< 0.01**	0.65	(0.17)	< 0.01**	0.03	(0.05)	0.57
	SATSA	FEV_1	Symbol	Men	299	0.20	(0.08)	0.01**	0.07	(0.27)	0.80	0.01	(0.06)	0.82
	SATSA	FEV_1	Symbol	Women	408	0.10	(0.08)	0.22	-0.16	(0.20)	0.42	0.04	(0.05)	0.38
Attention & Working Memory														
	MAP	FEV_1	Digit Span Backward	Men	399	0.13	(0.07)	0.06	0.08	(0.35)	0.82	-0.01	(0.04)	0.88
	MAP	FEV_1	Digit Span Backward	Women	1159	0.11	(0.04)	0.01**	0.81	(0.37)	0.03*	-0.02	(0.03)	0.46
	NAS	FEV_1	Digit Span Backward Total	Men	1131	0.03	(0.05)	0.59	0.10	(0.30)	0.73	0.04	(0.03)	0.19
	OCTO	PEF	Digit Span Backward	Men	181	0.32	(0.13)	0.01**	-0.10	(0.44)	0.88	-0.06	(0.08)	0.46
	OCTO	PEF	Digit Span Backward	Women	346	0.14	(0.12)	0.25	-0.18	(0.40)	0.66	0.08	(0.05)	0.13
	SATSA	FEV_1	Digit Span Backward	Men	299	0.15	(0.09)	0.11	0.34	(0.24)	0.17	0.05	(0.05)	0.36
	SATSA	FEV_1	Digit Span Backward	Women	409	0.31	(0.10)	< 0.01**	0.09	(0.31)	0.76	-0.03	(0.05)	0.51
	NAS	FEV_1	Digit Span Backward Span	Men	1131	0.04	(0.05)	0.52	0.51	(0.67)	0.45	0.03	(0.03)	0.26
	MAP	FEV_1	Digit Span Forward	Men	399	0.05	(0.07)	0.41	0.88	(0.75)	0.24	-0.01	(0.04)	0.87
	MAP	FEV_1	Digit Span Forward	Women	1159	0.10	(0.04)	0.01**	0.37	(0.31)	0.24	0.03	(0.03)	0.30
	OCTO	PEF	Digit Span Forward	Men	181	-0.11	(0.13)	0.37	0.05	(0.39)	0.89	-0.04	(0.06)	0.53
	OCTO	PEF	Digit Span Forward	Women	346	0.00	(0.10)	0.98	-0.13	(0.27)	0.63	0.05	(0.05)	0.32
	SATSA	FEV_1	Digit Span Forward	Men	299	0.20	(0.09)	0.03*	0.06	(0.61)	0.92	-0.03	(0.04)	0.42
	SATSA	FEV_1	Digit Span Forward	Women	409	0.09	(0.10)	0.37	0.51	(0.67)	0.45	0.11	(0.04)	0.01**
	MAP	FEV_1	Digit Ordering	Men	399	-0.05	(0.07)	0.45	0.14	(0.67)	0.84	0.00	(0.05)	0.97
	MAP	FEV_1	Digit Ordering	Women	1159	0.13	(0.05)	< 0.01**	0.31	(0.41)	0.45	0.07	(0.03)	0.01**
	EAS	PEF	Digit Span Total	Men	324	0.01	(0.12)	0.92	0.26	(0.55)	0.63	0.07	(0.06)	0.28
	EAS	PEF	Digit Span Total	Women	545	0.13	(0.09)	0.15	0.44	(0.31)	0.15	-0.03	(0.05)	0.57
	HRS	PEF	Serial 7s	Men	3287	0.16	(0.04)	< 0.01**	0.21	(0.13)	0.10	0.03	(0.03)	0.24
	HRS	PEF	Serial 7s	Women	4608	0.13	(0.03)	< 0.01**	0.38	(0.13)	< 0.01**	-0.02	(0.02)	0.22
	EAS	PEF	Trails B	Men	324	0.42	(0.11)	< 0.01**	0.34	(0.55)	0.68	0.00	(0.07)	0.98
	EAS	PEF	Trails B	Women	545	0.13	(0.09)	0.12	-0.28	(0.66)	0.66	-0.02	(0.05)	0.73
Perceptual Reasoning														
	EAS	PEF	Block Design	Men	324	0.31	(0.11)	< 0.01**	0.58	(0.72)	0.42	-0.11	(0.07)	0.11
	EAS	PEF	Block Design	Women	545	0.25	(0.10)	0.01**	0.31	(0.36)	0.40	-0.01	(0.05)	0.81
	OCTO	PEF	Block Design	Men	179	0.36	(0.09)	< 0.01**	0.73	(0.13)	< 0.01**	0.14	(0.06)	0.03
	OCTO	PEF	Block Design	Women	339	0.30	(0.08)	< 0.01**	0.11	(0.28)	0.69	0.17	(0.05)	< 0.01**
	SATSA	FEV_1	Block Design	Men	299	0.20	(0.08)	0.01**	0.14	(0.21)	0.49	0.01	(0.05)	0.89
	SATSA	FEV_1	Block Design	Women	408	0.24	(0.09)	< 0.01**	0.19	(0.24)	0.43	0.07	(0.04)	0.09
	NAS	FEV_1	Figure Copy	Men	1131	0.19	(0.06)	< 0.01**	0.52	(0.43)	0.23	-0.09	(0.03)	< 0.01**
	OCTO	PEF	Figure Logic	Men	176	0.29	(0.11)	0.01**	0.67	(0.18)	< 0.01**	-0.06	(0.08)	0.45
	OCTO	PEF	Figure Logic	Women	330	0.20	(0.12)	0.09	0.18	(0.62)	0.78	0.07	(0.06)	0.24
	MAP	FEV_1	Line Orientation	Men	399	0.16	(0.07)	0.02*	0.68	(0.56)	0.23	-0.02	(0.04)	0.57
	MAP	FEV_1	Line Orientation	Women	1158	0.14	(0.04)	< 0.01**	0.12	(0.33)	0.70	-0.04	(0.02)	0.10
	NAS	FEV_1	Pattern Comparison	Men	1131	-0.01	(0.06)	0.86	-0.25	(0.28)	0.37	0.03	(0.03)	0.44
	LASA	PEF	Progressive Matrices	Men	844	0.19	(0.05)	< 0.01**	0.56	(0.19)	< 0.01**	0.05	(0.03)	0.06
	LASA	PEF	Progressive Matrices	Women	843	0.28	(0.05)	< 0.01**	-0.07	(0.43)	0.87	0.00	(0.03)	0.93
	MAP	FEV_1	Progressive Matrices	Men	384	0.12	(0.07)	0.07	0.76	(0.53)	0.15	-0.03	(0.04)	0.50
	MAP	FEV_1	Progressive Matrices	Women	1143	0.14	(0.04)	< 0.01**	0.32	(0.32)	0.32	-0.03	(0.02)	0.17
	SATSA	FEV_1	Card Rotations	Men	298	0.19	(0.08)	0.02*	0.14	(0.38)	0.72	0.02	(0.05)	0.69
	SATSA	FEV_1	Card Rotations	Women	407	0.29	(0.08)	< 0.01**	0.03	(1.72)	0.99	0.01	(0.04)	0.81

Verbal Ability													
SATSA	FEV_1	Analogies	Men	299	0.11	(0.10)	0.29	-0.04	(0.62)	0.95	0.06	(0.05)	0.25
SATSA	FEV_1	Analogies	Women	407	0.27	(0.10)	< 0.01**	0.17	(0.19)	0.37	0.02	(0.04)	0.65
NAS	FEV_1	Animals	Men	1131	-0.05	(0.05)	0.26	-0.03	(0.17)	0.87	0.03	(0.03)	0.30
EAS	PEF	Boston Naming Test	Men	324	0.04	(0.14)	0.79	0.16	(1.40)	0.91	0.05	(0.06)	0.40
EAS	PEF	Boston Naming Test	Women	545	0.17	(0.09)	0.06	0.16	(0.81)	0.84	-0.06	(0.05)	0.24
MAP	FEV_1	Boston Naming Test	Men	399	0.06	(0.06)	0.34	-0.39	(0.32)	0.23	0.01	(0.05)	0.76
MAP	FEV_1	Boston Naming Test	Women	1158	0.07	(0.04)	0.10	0.18	(0.19)	0.34	0.02	(0.03)	0.62
EAS	PEF	Categories	Men	324	0.07	(0.11)	0.54	0.30	(0.28)	0.29	0.02	(0.06)	0.70
EAS	PEF	Categories	Women	545	0.26	(0.09)	< 0.01**	0.53	(0.74)	0.47	-0.09	(0.06)	0.10
MAP	FEV_1	Categories	Men	399	0.15	(0.06)	0.02*	0.06	(0.32)	0.86	0.03	(0.04)	0.47
MAP	FEV1	Categories	Women	1159	0.17	(0.04)	< 0.01**	0.34	(0.22)	0.12	-0.02	(0.03)	0.44
EAS	PEF	FAS	Men	324	0.14	(0.11)	0.17	-0.42	(1.79)	0.81	0.02	(0.07)	0.79
EAS	PEF	FAS	Women	545	0.19	(0.08)	0.02*	0.10	(0.38)	0.79	0.02	(0.05)	0.64
OCTO	PEF	Information	Men	181	0.08	(0.10)	0.40	0.30	(0.30)	0.31	0.07	(0.07)	0.35
OCTO	PEF	Information	Women	343	0.10	(0.08)	0.25	0.08	(0.25)	0.76	0.03	(0.05)	0.56
SATSA	FEV_1	Information	Men	299	0.11	(0.08)	0.18	-0.03	(0.30)	0.93	0.11	(0.05)	0.03*
SATSA	FEV_1	Information	Women	410	0.03	(0.07)	0.66	0.31	(0.16)	0.06	0.11	(0.04)	0.01**
MAP	FEV_1	NART	Men	399	0.09	(0.06)	0.09	0.00	(0.56)	1.00	-0.03	(0.04)	0.45
MAP	FEV_1	NART	Women	1156	0.11	(0.04)	0.01*	0.40	(0.29)	0.17	0.02	(0.03)	0.56
OCTO	PEF	Synonyms	Men	175	0.15	(0.10)	0.13	0.23	(0.28)	0.42	0.05	(0.09)	0.59
OCTO	PEF	Synonyms	Women	327	0.13	(0.09)	0.15	0.31	(0.31)	0.31	-0.07	(0.05)	0.18
SATSA	FEV_1	Synonyms	Men	299	0.13	(0.08)	0.13	0.10	(0.41)	0.81	0.04	(0.05)	0.34
SATSA	FEV_1	Synonyms	Women	409	0.18	(0.07)	0.01**	0.33	(0.25)	0.18	0.08	(0.04)	0.08
EAS	PEF	Vocabulary	Men	324	-0.01	(0.13)	0.91	-0.58	(0.72)	0.42	-0.02	(0.07)	0.81
EAS	PEF	Vocabulary	Women	545	0.03	(0.09)	0.78	-0.70	(0.40)	0.08	-0.04	(0.05)	0.41
Learning & Memory													
MAP	FEV_1	Boston Story Delay	Men	399	0.00	(0.09)	0.97	0.29	(0.64)	0.65	-0.01	(0.04)	0.91
MAP	FEV_1	Boston Story Delay	Women	1159	0.01	(0.04)	0.89	0.14	(0.22)	0.51	-0.01	(0.03)	0.70
MAP	FEV_1	Boston Story Immediate	Men	399	0.03	(0.09)	0.78	0.65	(0.58)	0.27	-0.05	(0.04)	0.21
MAP	FEV_1	Boston Story Immediate	Women	1159	0.07	(0.05)	0.19	0.17	(0.25)	0.50	0.01	(0.03)	0.64
SATSA	FEV_1	Figure Memory	Men	298	0.23	(0.09)	0.01**	0.05	(0.38)	0.89	0.01	(0.04)	0.82
SATSA	FEV_1	Figure Memory	Women	409	0.10	(0.08)	0.25	0.25	(0.24)	0.29	0.06	(0.04)	0.21
MAP	FEV_1	Logical Memory Delay	Men	399	0.05	(0.06)	0.45	0.01	(0.30)	0.97	0.02	(0.06)	0.63
MAP	FEV_1	Logical Memory Delay	Women	1159	-0.01	(0.04)	0.83	-0.07	(0.24)	0.76	0.01	(0.03)	0.81
MAP	FEV_1	Logical Memory Immediate	Men	399	0.02	(0.06)	0.79	0.15	(0.42)	0.72	0.02	(0.04)	0.68
MAP	FEV_1	Logical Memory Immediate	Women	1159	0.00	(0.04)	0.97	0.24	(0.23)	0.29	0.00	(0.02)	1.00
EAS	PEF	Logical Memory Total	Men	321	0.11	(0.07)	0.14	0.12	(1.05)	0.91	-0.01	(0.04)	0.78
EAS	PEF	Logical Memory Total	Women	324	0.07	(0.12)	0.57	0.30	(0.46)	0.51	-0.03	(0.07)	0.63
OCTO	PEF	Objects Recalled	Men	180	0.43	(0.12)	< 0.01**	0.36	(0.18)	0.05*	-0.05	(0.08)	0.54
OCTO	PEF	Objects Recalled	Women	339	0.20	(0.09)	0.02*	0.21	(0.23)	0.36	0.05	(0.06)	0.34
OCTO	PEF	Objects Recognized	Men	180	0.20	(0.18)	0.28	-0.41	(0.30)	0.18	0.13	(0.07)	0.06
OCTO	PEF	Objects Recognized	Women	339	0.08	(0.10)	0.46	0.20	(0.28)	0.47	0.12	(0.09)	0.17
OCTO	PEF	Prose Immediate	Men	178	0.22	(0.11)	0.04*	-0.35	(0.66)	0.60	0.16	(0.12)	0.21
OCTO	PEF	Prose Immediate	Women	335	0.16	(0.09)	0.06	-0.15	(0.28)	0.61	0.11	(0.06)	0.07
ELSA	FEV_1	Word List Delay	Men	2922	0.05	(0.04)	0.21	-0.28	(0.36)	0.44	0.05	(0.03)	0.05*
ELSA	FEV_1	Word List Delay	Women	3237	0.08	(0.04)	0.07	-0.39	(1.68)	0.82	0.02	(0.02)	0.35
HRS	PEF	Word List Delay	Men	3288	0.26	(0.03)	< 0.01**	0.70	(0.54)	0.19	0.04	(0.02)	0.12
HRS	PEF	Word List Delay	Women	4612	0.31	(0.03)	< 0.01**	0.69	(0.50)	0.17	0.04	(0.02)	0.04*
MAP	FEV_1	Word List Delay	Men	399	0.03	(0.07)	0.70	0.41	(0.46)	0.37	0.03	(0.04)	0.41
MAP	FEV_1	Word List Delay	Women	1159	-0.01	(0.04)	0.89	0.08	(0.22)	0.72	0.01	(0.02)	0.83
NAS	FEV_1	Word List Delay	Men	1131	0.11	(0.05)	0.03*	-0.03	(0.12)	0.77	-0.03	(0.03)	0.23
EAS	PEF	Word List Immediate	Men	324	0.07	(0.12)	0.57	0.38	(0.42)	0.37	0.03	(0.08)	0.68
EAS	PEF	Word List Immediate	Women	545	0.29	(0.10)	< 0.01**	0.64	(0.53)	0.23	-0.04	(0.05)	0.41
ELSA	FEV_1	Word List Immediate	Men	2924	0.05	(0.04)	0.19	-0.18	(0.20)	0.39	0.03	(0.02)	0.28
ELSA	FEV_1	Word List Immediate	Women	3238	0.06	(0.04)	0.17	-0.15	(0.54)	0.28	0.01	(0.03)	0.72
HRS	PEF	Word List Immediate	Men	3288	0.27	(0.03)	< 0.01**	0.37	(0.59)	0.53	0.03	(0.02)	0.28
HRS	PEF	Word List Immediate	Women	4611	0.28	(0.03)	< 0.01**	0.44	(0.55)	0.43	0.04	(0.02)	0.05*
LASA	PEF	Word List Immediate	Men	844	0.13	(0.05)	< 0.01**	0.16	(0.34)	0.64	0.10	(0.03)	< 0.01**
LASA	PEF	Word List Immediate	Women	843	0.18	(0.05)	< 0.01**	0.15	(0.46)	0.74	0.14	(0.02)	< 0.01**
MAP	FEV_1	Word List Immediate	Men	399	0.02	(0.07)	0.76	0.32	(0.42)	0.45	0.12	(0.04)	0.01**
MAP	FEV_1	Word List Immediate	Women	1159	0.06	(0.04)	0.13	-0.11	(0.24)	0.65	0.05	(0.03)	0.06
NAS	FEV_1	Word List Immediate	Men	1131	0.08	(0.05)	0.07	0.15	(0.18)	0.39	0.02	(0.03)	0.50
MAP	FEV_1	Word List Recognition	Men	399	-0.05	(0.06)	0.41	-0.20	(0.31)	0.51	0.04	(0.03)	0.25
MAP	FEV_1	Word List Recognition	Women	1159	-0.04	(0.04)	0.33	0.29	(0.21)	0.17	0.01	(0.03)	0.67

Correlations (Intercepts) Estimates = correlation between intercepts (factor scores) of two processes

Correlations (Slopes) Estimates = correlation between linear slopes (factor scores) of two processes

Correlations (Residuals) Estimates = correlation between residuals of two processes

Correlations are reported in the form: estimate (Std Error) p value [star] where:

Estimate is the covariance estimate on the original metric

Std error is the standard error on the original metric

p value is the p-value associated with the raw covariance

[Star] is the significance indicator associated with corresponding covariance estimate, with * indicating significance at alpha ≤ 0.05 and ** at ≤ 0.01