Supplementary Table 1: Constructs & Variables from LIFE-Adult

Construct	Variable	LIFE-Adults Questionnaire name and field	Timepoint for which measure is available
		Variables for exclusion	
Conditions to ensure we are looking at a healthy sample	Life-time diagnosis of MS, PD, epilepsy	Medical anamnese (T00173) MEDANAM_F0171, MEDANAM_F0179, MEDANAM_F0167	Baseline
		Medical anamnese (T01228) MEDIZ_AN_F26 MEDIZ_AN_F27 MEDIZ_AN_F31 (free field, used to screen for epilepsy)	Followup
	Previous stroke	Medical anamnese (T00173)	Baseline
		Cardiovascular anamnese (T01226)	Followup
		Lesion diagnosed by radiologist (ischemic, hemorraghic, traumatic lesions)	Baseline & Followup
	Incidental findings/non-usability of MRI	Radiologist's rating ("non usable") Radiologist's rating (incidental finding)	Baseline
		Radiologist's rating ("non usable") Radiologist's rating (incidental finding)	Followup
	Dementia or cognitive impairment	T00043 SIDAM MMSE < 24	Baseline
		T00043 SIDAM MMSE < 24 or dementia diagnosis in medical anamnese (T01228) MEDIZ_AN_F30	Followup
	Intake of centrally active medication	D00038 ATC codes/groups: **M03B** MUSCLE RELAXANTS, CENTRALLY ACTING AGENTS **N02A** OPIOIDS **N03** ANTIEPILEPTICS **N04** ANTI-PARKINSON DRUGS **N05** PSYCHOLEPTICS **N06A** ANTIDEPRESSANTS	Baseline Followup

		N06B PSYCHOSTIMULANTS, AGENTS USED FOR ADHD AND NOOTROPICS **N06D** ANTI-DEMENTIA DRUGS (except for N06DX02, Ginkgo folium) **N07A** PARASYMPATHOMIMETICS	
Used for		**Covariates**	
All analyses	Baseline Age	Age at first MRI or cognitive assessment	Baseline
	Age Change	Time between first and second MRI assessment	Baseline Followup
	Gender	self-reported binary gender	Baseline
	eTIV	Estimated total intracranial volume	Summary value of Baseline and Followup
Model M1	Hypertensive medication	Medical (T00173) or medication anamnese (D00038) Intake of anti-hypertensive medication (ATC code starting with "C02 "C03", "C07", "C08" "C09") or treatment because of hypertension (MEDANAM_F0039)	Baseline
		Medication or cardiovascular Anamnese (T01226) Intake of anti-hypertensive medication (ATC code starting with "C02 "C03", "C07", "C08" "C09") or treatment because of hypertension (KARD_AN_F10_3)	Followup
Model M2	CES-D (log-transformed)	D00041 CES_D_SCORE_SUM _CES_D	Baseline
		T00013 CES_D_SCORE_SUM _CES_D	Followup
	Education	socioeconomic status (D00140) Binary variable based on whether participant has tertiary degree (SES2_sesbldg)	Baseline
		Predictors of interest	
Blood pressure	Systolic/diastolic blood pressure	T00049 Average of three consecutive measurements	Baseline
		T01170	Followup

		Average of three consecutive measurements	
Visceral adiposity	Waist-to-hip ratio	D00074 Anthropometry	Baseline
		T01169 Anthropometry	Followup
Cerebral small vessel disease	WML (asinh-transformed) Voxelwise probability of new WML	From FLAIR imaging	Baseline Followup
Memory function	Cerad learning & delayed recall & recognition	T00044 CERAD-plus test battery	Baseline
		T00044 CERAD-plus test battery	Followup
Executive function	CERAD verbal fluency (S and animals) TMTB/TMTA	T00044 CERAD-plus test battery T00042 CERAD Animals T00041 TMT	Baseline
			Followup
Processing speed	TMTA	T00041 TMT	Baseline
		T00041 TMT	Followup