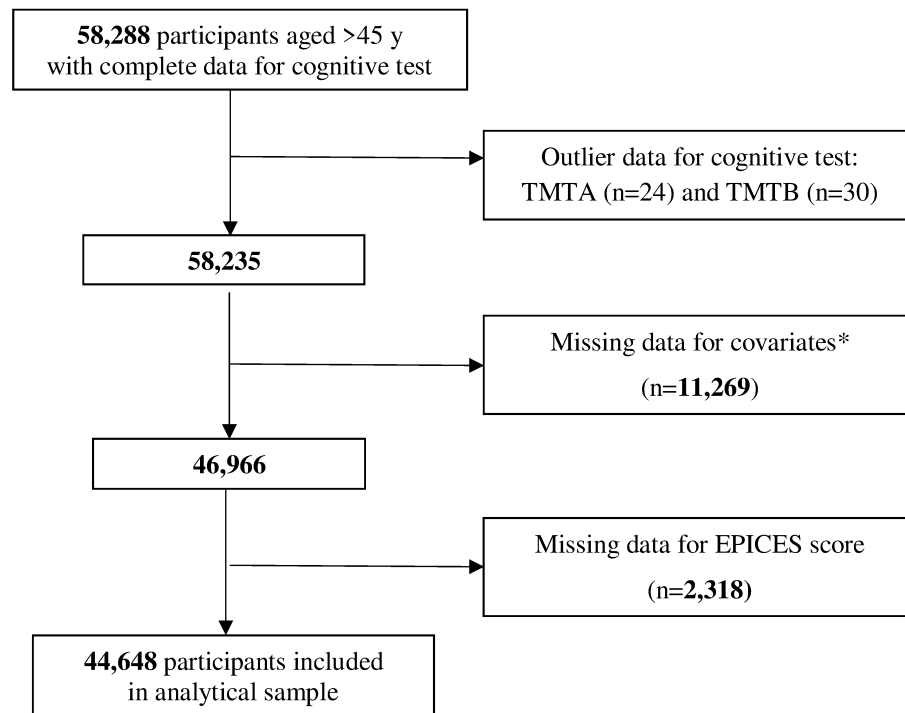


SUPPLEMENTARY MATERIALS

Supplementary Table 1: Items of the EPICES score (n=44,648)

Items of EPICES score	Yes (n, %)	Coefficient*
Have you ever met a social worker?	1,483 (3.3)	10.06
Do you have a supplementary insurance?***	43,827 (98.2)	-11.83
Do you live as a couple?	34,804 (78.0)	-8.28
Do you own your home?	37,587 (84.2)	-8.28
Do you experience financial difficulties to buy food?	3,672 (8.2)	14.80
Have you done sports in the last 12 months?	31,952 (71.6)	-6.51
Have you been to a show or movie in the last 12 months?	37,705 (84.5)	-7.10
Have you been on vacation in the last 12 months?	39,408 (88.3)	-7.10
In the last 6 months, have you had any contacts with family members?	41,338 (92.6)	-9.47
In case of difficulties, are there people in your entourage you can count on:		
- To take you in for a few days?	38,550 (86.3)	-9.47
- To offer you material assistance?	33,607 (75.3)	-7.10

*Coefficient used to calculate the EPICES score: only applicable when the participant responds yes at the question.***Imputed variable.



*education (n=1,471), tobacco (n=3,036), alcohol consumption (n=4,006), CESD (n=4,451), history of cardiovascular disease (n=882), BMI (n=3,219), diabetes (n=1,309), geographical origin (n=1,027)

Supplementary Figure 1: Sample Selection

Supplementary Table 2: Association between individual deprivation/neighbourhood deprivation and cognitive tests, based on multilevel logistic models (N=44,648)

Odds Ratio (95% CI)	Individual deprivation <i>EPICES score</i>				Neighbourhood deprivation <i>FDep index</i>					
	Not deprived	Deprived	p-value	Q1 (most favored)	Q2	Q3	Q4	Q5 (most deprived)	p-value	
MMSE	Model 3a	Ref.	1.65 [1.54;1.77]	<.0001	Ref.	1.06 [0.96;1.17]	1.05 [0.95;1.16]	1.08 [0.98;1.20]	1.11 [1.00;1.23]	0.38
	Model 3b	Ref.	1.51 [1.40;1.63]	<.0001	Ref.	1.05 [0.95;1.16]	1.04 [0.94;1.15]	1.08 [0.97;1.19]	1.10 [0.99;1.22]	0.45
FCRST	Model 3a	Ref.	1.33 [1.24;1.43]	<.0001	Ref.	0.94 [0.86;1.03]	1.00 [0.91;1.10]	1.02 [0.92;1.12]	1.05 [0.95;1.15]	0.20
	Model 3b	Ref.	1.28 [1.19;1.37]	<.0001	Ref.	0.94 [0.86;1.03]	0.99 [0.91;1.09]	1.01 [0.92;1.11]	1.04 [0.94;1.14]	0.27
Semantic VFT	Model 3a	Ref.	1.39 [1.29;1.49]	<.0001	Ref.	1.04 [0.95;1.13]	1.02 [0.93;1.11]	1.02 [0.93;1.12]	0.99 [0.91;1.09]	0.83
	Model 3b	Ref.	1.26 [1.17;1.36]	<.0001	Ref.	1.03 [0.95;1.13]	1.01 [0.92;1.10]	1.01 [0.93;1.11]	0.98 [0.89;1.08]	0.78
Phonemic VFT	Model 3a	Ref.	1.37 [1.28;1.47]	<.0001	Ref.	1.00 [0.92;1.09]	1.09 [1.00;1.20]	1.09 [1.00;1.19]	1.12 [1.02;1.23]	0.04
	Model 3b	Ref.	1.31 [1.22;1.40]	<.0001	Ref.	1.00 [0.92;1.09]	1.09 [0.99;1.19]	1.08 [0.99;1.18]	1.10 [1.00;1.21]	0.08
TMTA	Model 3a	Ref.	1.43 [1.34;1.53]	<.0001	Ref.	1.06 [0.97;1.16]	1.05 [0.96;1.15]	1.10 [1.00;1.20]	1.12 [1.02;1.23]	0.18
	Model 3b	Ref.	1.32 [1.23;1.42]	<.0001	Ref.	1.05 [0.97;1.14]	1.05 [0.96;1.14]	1.09 [1.00;1.20]	1.12 [1.02;1.22]	0.16
TMTB	Model 3a	Ref.	1.65 [1.55;1.77]	<.0001	Ref.	1.05 [0.96;1.16]	1.04 [0.94;1.14]	1.02 [0.92;1.13]	1.08 [0.98;1.19]	0.49
	Model 3b	Ref.	1.45 [1.36;1.56]	<.0001	Ref.	1.05 [0.95;1.15]	1.03 [0.94;1.13]	1.02 [0.92;1.12]	1.07 [0.97;1.18]	0.59
DSST	Model 3a	Ref.	1.85 [1.73;1.99]	<.0001	Ref.	1.05 [0.96;1.15]	1.13 [1.03;1.24]	1.12 [1.02;1.24]	1.21 [1.10;1.34]	0.001
	Model 3b	Ref.	1.54 [1.43;1.66]	<.0001	Ref.	1.03 [0.94;1.13]	1.13 [1.03;1.24]	1.15 [1.04;1.26]	1.18 [1.07;1.30]	0.005

Model 3: Individual deprivation and neighborhood deprivation were considered in the same model.

Model3a adjusted for sex, age, education level and HSC.

Model3b adjusted for M3a and geographical origin, smoking, alcohol consumption, BMI, HBP, diabetes, cardiovascular diseases and depressive symptomatology.

OR = Odds Ratio; CI = Confidence Interval