

Table S2. Association between depression and current cognitive performance

Dependent variables	Depressive symptomatology			Depressive symptomatology		
	CES-D<16 and not treated (n=285)	CES-D≥16 or treated (n=93)	P- value	CES-D<16 and not treated (n=284)	CES-D≥16 or treated (n=93)	P- value
	Mean(SEM) <sup>a</sup>	Mean (SEM) <sup>a</sup>		Mean(SEM) <sup>b</sup>	Mean (SEM) <sup>b</sup>	
Working memory: time difference between double task and simple task (milliseconds)	-129.6 (180.4)	242.0 (315.9)	0.31	-121.3 (206.7)	214.4 (327.0)	0.36
Form matching: mean time for correct responses (milliseconds)	5713.0 (89.5)	5851.3 (156.6)	0.44	5685.1 (102.5)	5828.5 (162.1)	0.43
Phoneme comprehension: mean time for correct responses (milliseconds)	1498.8 (17.7)	1488.5 (31.0)	0.75	1511.1 (20.0)	1500.7 (31.7)	0.77
Name-face associations: number of names correctly recalled	5.5 (0.13)	4.9 (0.22)	0.03	5.1 (0.13)	4.6 (0.21)	0.03
Verbal fluency: number of correct answers	28.8 (0.38)	27.8 (0.66)	0.18	28.0 (0.42)	27.2 (0.67)	0.26
Narrative recall: number of correct answers	13.3 (0.26)	12.8 (0.45)	0.31	12.9 (0.29)	12.5 (0.46)	0.46
Descriptive recall: number of correct answers	13.1 (0.26)	12.3 (0.45)	0.14	12.5 (0.28)	11.9 (0.44)	0.22

Implicit Memory: difference between learnt and new items	1.02 (0.04)	0.99 (0.08)	0.72	1.07 (0.05)	1.02 (0.08)	0.58
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<sup>a</sup> Non adjusted.

<sup>b</sup> Adjusted for education level, gender and age.

Table S3. Association between depression and current categorical cognitive performances

	Depressive symptomatology		P- value <sup>a</sup>	P- value <sup>b</sup>
	CES-D<16 and not treated (n=285) n (%)	CES-D≥16 or treated (n=93) n (%)		
Form matching, <7 correct responses	144 (50.5)	54 (58.1)	0.21	0.19
Phoneme comprehension, <9 correct responses	85 (29.8)	35 (37.6)	0.16	0.18

<sup>a</sup> Non adjusted, Chi squared test.

<sup>b</sup> Adjusted for education level, gender and age, logistic regression.

Table S4. Associations between hippocampal volume as the dependent variable and cognitive scores (separate linear models), n=193

Dependent variables	Hippocampal gray matter volume (Adjusted cognitive change for one cm <sup>3</sup> )	
	$\beta$ (SE) <sup>a</sup>	p-value <sup>a</sup>
Linear model		
Working memory: time difference between double task and simple task (milliseconds)	490 (1188)	0.68
Form matching: mean time for correct responses (milliseconds)	-0.80 (536)	0.99
Phoneme comprehension: mean time for correct responses (milliseconds)	40.37 (110)	0.72
Name-face associations: number of names correctly recalled	0.17 (0.76)	0.82
Verbal fluency: number of correct answers	-0.26 (2.27)	0.91
Narrative recall: number of correct answers	0.40 (1.71)	0.81
Descriptive recall: number of correct answers	0.56 (1.47)	0.70
Implicit Memory: difference between learnt and new items	-0.12 (0.32)	0.71
Logistic regression	OR (95%IC)	p-value <sup>a</sup>
Form matching, <7 correct responses	0.55 (0.13; 2.39)	0.43
Phoneme comprehension, <9 correct responses	2.82 (0.60;13.33)	0.19

<sup>a</sup> Adjusted for total intracranial volume, education, gender and age

