Table 1. The nine Mediterranean diet components by tertile of Mediterranean diet score in the WACS Cognitive Cohort (n=2504)

	N			
	Low [0-3]	Middle [4-5]	High [6-9]	p-value*
Age-adjusted mean or percentage	n=889	n=1012	n=603	
Monounsaturated / saturated fat ratio	1.0	1.1	1.2	< 0.001
Vegetable (serving/day)	2.6	3.8	4.7	< 0.001
Fruit (serving/day)	1.9	2.5	3.0	< 0.001
Legumes (serving/day)	0.3	0.5	0.6	< 0.001
Fish (serving/day)	0.2	0.3	0.3	< 0.001
Grain (serving/day)	1.5	2.0	2.3	< 0.001
Meat (serving/day)	1.3	1.2	1.0	< 0.001
Dairy (serving/day)	4.0	3.1	2.3	< 0.001
Alcohol intake (% consumers 5-25g/day)	9%	17%	30%	< 0.001

^{*}From Chi² test or variance analysis depending on the covariate type (categorical or numeric)

Table 2. Age-adjusted characteristics of WACS Cognitive Cohort by tertile of Mediterranean diet score (n=2504)

Mediterranean diet score			
Low [0-3]	Middle [4-5]	High [6-9]	p-
71.9+/-3.9	72.5+/-4.3	72.6+/-4.0	(
(66.1-91.2)	(66.1-90.5)	(66.1-90.1)	
0.005	-0.026	0.025	,
34.4	34.3	34.6	
0.002	-0.022	0.039	
16.5	16.4	16.7	
8%	10%	15%	<
58%	61%	64%	(
707	949	1138	<
29%	28%	32%	(
13%	10%	5%	<
29.1	28.8	27.6	<
16%	16%	12%	(
20%	22%	21%	
8%	8%	9%	
20%	20%	24%	
43%	46%	47%	
15%	15%	14%	
17%	18%	16%	(
	Low [0-3] 71.9+/-3.9 (66.1-91.2) 0.005 34.4 0.002 16.5 8% 707 29% 13% 29.1 16% 20% 8% 20% 43% 15%	Low [0-3] Middle [4-5] 71.9+/-3.9 72.5+/-4.3 (66.1-91.2) (66.1-90.5) 0.005 -0.026 34.4 34.3 0.002 -0.022 16.5 16.4 8% 10% 58% 61% 707 949 29% 28% 13% 10% 29.1 28.8 16% 16% 20% 22% 8% 8% 20% 20% 43% 46% 15% 15%	Low [0-3] Middle [4-5] High [6-9] 71.9+/-3.9 72.5+/-4.3 72.6+/-4.0 (66.1-91.2) (66.1-90.5) (66.1-90.1) 0.005 -0.026 0.025 34.4 34.3 34.6 0.002 -0.022 0.039 16.5 16.4 16.7 8% 10% 15% 58% 61% 64% 707 949 1138 29% 28% 32% 13% 10% 5% 29.1 28.8 27.6 16% 16% 12% 20% 22% 21% 8% 8% 9% 20% 20% 24% 43% 46% 47% 15% 15% 14%

	M	Mediterranean diet score		
	Low [0-3]	Middle [4-5]	High [6-9]	p-
History of hypertension (%)	78%	78%	75%	
History of hyperlipidemia (%)	72%	76%	79%	

SD: standard deviation; TICS: Telephone Interview of Cognitive Status

†Global cognitive score is a composite score of the z-scores of the TICS, immediate and delayed recalls of the East Boston Memory Test, category fluency, and delayed recall of the TICS 10-word list; Verbal memory score is a composite score of the z-scores of the immediate and delayed recalls of both the TICS 10-word and the East Boston Memory Test

‡Weekly calories expended from exercise and climbing the stairs

^{*}From Chi² test or variance analysis depending on the covariate type (categorical or numeric)

^{**}Not age-adjusted

Table 3. Adjusted mean differences (95% confidence intervals) in annual rates of cognitive decline by tertiles of Mediterranean Diet score (n=2504)

	Mediterranean Diet score			_
-	Low [0-3]	Middle [4-5]	High [6-9]	p-value for trend
Global cognitive score* (n=2504)				
Basic-adjusted model†	0 (Reference)	0.01 (0.00, 0.02)	0.00 (-0.01, 0.02)	0.67
Multivariable-adjusted model‡	0 (Reference)	0.01 (-0.01, 0.02)	0.00 (-0.02, 0.01)	0.88
TICS (n=2504)				
Basic-adjusted model†	0 (Reference)	0.03 (-0.04, 0.10)	-0.01 (-0.09, 0.06)	0.81
Multivariable-adjusted model‡	0 (Reference)	0.02 (-0.05, 0.08)	-0.03 (-0.11, 0.05)	0.53
Verbal memory* (n=2504)				
Basic-adjusted model†	0 (Reference)	0.01 (-0.01, 0.02)	0.00 (-0.01, 0.02)	0.54
Multivariable-adjusted model‡	0 (Reference)	0.00 (-0.01, 0.02)	0.00 (-0.02, 0.02)	0.97
Category fluency (n=2499)				
Basic-adjusted model†	0 (Reference)	0.01 (-0.08, 0.11)	-0.03 (-0.14, 0.08)	0.67
Multivariable-adjusted model‡	0 (Reference)	0.01 (-0.08, 0.11)	-0.03 (-0.14, 0.08)	0.64

TICS: Telephone Interview of Cognitive Status

*Global cognitive score is a composite score of the z-scores of the TICS, immediate and delayed recalls of the East Boston Memory Test, category fluency, and delayed recall of the TICS 10-word list; Verbal memory score is a composite score of the z-scores of the immediate and delayed recalls of both the TICS 10-word and the East Boston Memory Test

†Adjusted for age (years), education (licensed practical nurse, vocational nurse or associate's degree; registered nurse degree or bachelor's degree; master's or doctoral degree) and energy from diet (quartiles) ‡Further adjusted for marital status (married, divorced, widowed, single), physical activity (quartiles of weekly calories expended from exercise and climbing the stairs), use of multivitamin supplements (no, yes), smoking status (never, past, current), body mass index (quartiles), postmenopausal hormone therapy use (never, past, current), aspirin use exceeding 10 days in the previous month (no, yes), non-steroidal anti-inflammatory drug use exceeding 10 days in the previous month (no, yes), history of depression (no, yes), cardiovascular profile at baseline (myocardial infarction, stroke, revascularization procedures, symptomatic angina pectoris, transient cerebral ischemia, no clinical disease), diabetes (no, yes), hypertension (no, yes on pharmaceutical treatment, yes without pharmaceutical treatment), hyperlipidemia (no, yes on pharmaceutical treatment, yes without pharmaceutical treatment), and randomization assignment for vitamin E (placebo, active), vitamin C (placebo, active), beta-carotene (placebo, active), and folate (not assigned, placebo, active)