

Supplementary Online Content

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eTable 1. Comparison of characteristics between participants from the Washington Heights Inwood Columbia Aging Project recruited in 1999-2001 who had dementia at baseline, were not followed after baseline, and the final sample for analyses relating plasma lipid levels to incident dementia.

eTable 2. Hazard ratios and 95% confidence intervals, relating quartiles of plasma lipid levels with the risk of incident VAD (including mixed dementia).

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Comparison of characteristics between participants from the Washington Heights Inwood Columbia Aging Project recruited in 1999-2001 who had dementia at baseline, were not followed after baseline, and the final sample for analyses relating plasma lipid levels to incident dementia.

	Baseline dementia (n=146)	No follow-up (n=350)	No lipid data N = 547	Final sample (n=)
Age in years ± SD	82.7 ± 7.7***	76.6 ± 6.8*	78.1 ± 7.7 ***	75.7 ± 6.3
Women (%)	104 (71.2)	205 (58.6)*	397 (72.6)**	742 (65.7)
Black (%)	52 (35.6)	109 (31.1)	200 (35.6)	346 (30.6)
Hispanic (%)	77 (52.7)***	138 (39.4)	191 (34.9)	385 (34.1)
White (%)	17 (11.6)***	103 (29.4)*	156 (28.5)**	399 (35.3)

* p <0.05; **p < 0.01; *** p < 0.001

eTable 2. Hazard ratios and 95% confidence intervals, relating quartiles of plasma lipid levels with the risk of incident VAD (including mixed dementia)

Lipid, Quartile (Range, mg/dl)	At-Risk n (%)	incident Dementia n (%)	Model 1		Model 2		Model 3	
			HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value
Total cholesterol								
1 (≤ 173.00)	292 (25.8)	2 (12.5)	1.0 (ref.)		1.0 (ref.)		1.0 (ref.)	
2 (173.01 - 197.00)	276 (24.4)	4 (25.0)	1.9 (0.3-10.6)	0.5	1.9 (0.3-11.0)	0.4	2.8 (0.4-17.9)	0.3
3 (197.01 - 226.00)	290 (25.7)	7 (43.8)	3.4 (0.7-16.7)	0.1	3.1 (0.6-15.9)	0.2	5.3 (0.9-29.1)	0.05
4 (> 226.00)	272 (24.1)	3 (18.8)	1.7 (0.4-10.1)	0.6	1.7 (0.3-10.6)	0.6	2.3 (0.3-19.5)	0.5
p for trend			0.4		0.5		0.2	
HDL-C								
1 (≤ 38.00)	300 (26.5)	6 (37.5)	1.0 (ref.)		1.0 (ref.)		1.0 (ref.)	
2 (38.01-46.00)	270 (23.9)	3 (18.8)	0.5 (0.1-2.2)	0.4	0.6 (0.1-2.6)	0.5	0.7 (0.1-4.0)	0.7
3 (46.01-56.00)	284 (25.1)	5 (31.3)	0.8 (0.2-2.7)	0.7	1.1 (0.3-4.1)	0.9	1.7 (0.4-7.1)	0.5
4 (>56.00)	276 (24.4)	2 (12.5)	0.3 (0.1-1.5)	0.1	0.4 (0.1-2.3)	0.3	0.6 (0.1-4.0)	0.6
p for trend			0.2		0.5		0.9	
Non-HDL-C								
1 (≤124.00)	289 (25.6)	4 (25.0)	1.0 (ref.)		1.0 (ref.)		1.0 (ref.)	
2 (124.01-149.00)	281 (24.9)	1 (6.3)	0.3 (0.03-2.4)	0.2	0.3 (0.0-2.3)	0.2	0.4 (0.0-3.5)	0.4
3 (149.01-175.00)	288 (25.5)	8 (50.0)	2.0 (0.6-6.8)	0.2	18 (0.5-6.2)	0.4	2.9 (0.8-11.7)	0.1
4 (>175.00)	272 (24.1)	3 (18.8)	0.9 (0.2-3.9)	0.9	0.8 (0.2-3.7)	0.8	0.9 (0.1-5.2)	0.9
p for trend			0.5		0.7		0.5	
LDL-C								
1 (≤96.80)	285 (25.2)	4 (25.0)	1.0 (ref.)		1.0 (ref.)		1.0 (ref.)	
2 (96.81-120.90)	280 (24.8)	3 (18.8)	0.8 (0.2-3.5)	0.7	0.6 (0.1-3.1)	0.5	0.8 (0.1-4.5)	0.8
3 (120.91-143.05)	283 (25.0)	5 (31.3)	1.1 (0.3-4.1)	0.9	1.1 (0.3-4.3)	0.9	1.8 (0.4-7.5)	0.4
4 (>143.06)	282 (25.0)	4 (25.0)	0.9 (0.2-4.0)	0.9	0.9 (0.2-4.0)	0.9	1.3 (0.3-6.8)	0.7
p for trend			0.9		0.8		0.5	

Model 1: adjusted for age and sex; Model 2: adjusted for age, sex, education, ethnic group, APOEε4 genotype; Model 3: adjusted for age, sex, education, ethnic group, APOEε4 genotype, diabetes, hypertension, heart disease, body mass index, lipid lowering treatment.

HDL-C: high-density lipoprotein-Cholesterol; Non-HDL-C: non-high-density lipoprotein-Cholesterol;