

Supplementary Table S1: Odds Ratios of Neuropathology Outcomes for Predicted HDL and Non-HDL Levels 10 Years Prior to Death

Outcome	Freq (N)	Odds Ratio (95% CI) for a 1 SD Difference	
		HDL	Non-HDL
Braak Stage 5 or 6	110 (392)	1.21 (0.95, 1.55)	0.83 (0.65, 1.07)
CERAD Intermediate or Frequent	187 (392)	0.95 (0.76, 1.18)	0.86 (0.70, 1.07)
Any Cerebral Amyloid Angiopathy	112 (388)	1.20 (0.95, 1.51)	0.95 (0.75, 1.20)
Presence of Cystic Infarcts	119 (386)	0.92 (0.73, 1.17)	1.07 (0.86, 1.33)
Presence of Microinfarcts			
Any	132 (390)	0.92 (0.73, 1.16)	0.91 (0.72, 1.14)
Any cerebral	43 (390)	1.02 (0.81, 1.28)	0.93 (0.74, 1.16)
Any deep	119 (388)	0.90 (0.71, 1.14)	0.96 (0.77, 1.21)
Lewy Bodies			
Any	73 (391)	1.04 (0.79, 1.37)	1.12 (0.87, 1.44)
SN or LC	58 (391)	0.90 (0.58, 1.11)	1.24 (0.95, 1.63)
Amygdala	57 (370)	1.19 (0.89, 1.61)	1.08 (0.82, 1.43)
Frontal or temporal cortex	24 (390)	1.15 (0.74, 1.79)	1.04 (0.68, 1.57)

SN= substantia nigra; LC=locus ceruleus

Supplementary Table S2: Sensitivity Analysis

Key: YTD=years to death; LB= Lewy bodies; SN= substantia nigra; LC= locus ceruleus; * indicates

	Primary Analysis 1: Age 70	Primary Analysis 2: 10 YTD	Sensitivity Analysis: 20 YTD
Any LB	1.35 (1.02, 1.79)*	1.12 (0.87, 1.44)	1.33 (0.97, 1.81)
LB in SN/LC	1.45 (1.07, 1.96)*	1.24 (0.95, 1.63)	1.42 (1.01, 1.98)*
LB in Amygdala	1.29 (0.95, 1.74)	1.08 (0.82, 1.43)	1.39 (0.98, 1.98)
LB in Frontal Cortex	1.45 (0.99, 2.13)	1.04 (0.68, 1.57)	1.49 (0.94, 2.37)

$p < 0.05$; values shown are estimated odds ratio associated with a 1 standard deviation (SD) difference in estimated non-HDL cholesterol. 95% confidence intervals are given in parentheses.