

Additional file 4: Adjustment and verification of sTREM-1 predictive models

Model	AUC (95% CI)	Optimism-adjusted AUC (95% CI)^a	IDI^b
Clinical variables	0.79 (0.74-0.84)	0.79 (0.74-0.83)	ref
sTREM-1	0.81 (0.77-0.85)	0.81 (0.76-0.85)	-
Clinical variables + sTREM-1	0.83 (0.79-0.87)	0.83 (0.79-0.87)	0.05 ± 0.01 P<0.001

^a Optimism adjustment: bias correction based on 1000 x internal replication by bootstrapping

^b IDI: Integrated discrimination improvement; values represent model improvement estimate of a clinical variable model with sTREM-1 over the clinical variable model alone ± standard error