

Data supplement

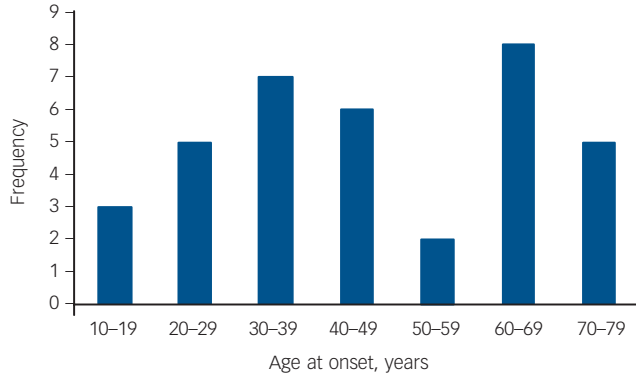


Fig. DS1 Distribution of age at onset.

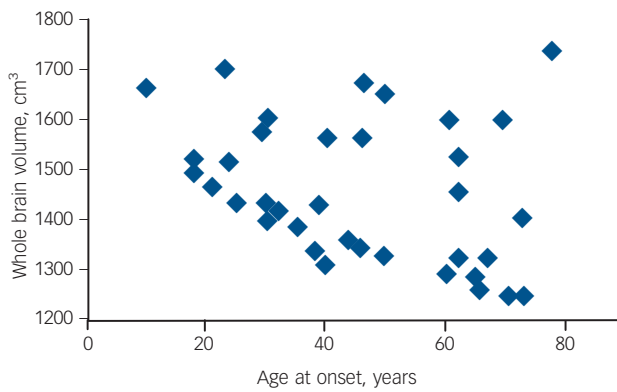


Fig. DS2 Correlation between whole brain volume and age at onset.

Age at onset was significantly negatively correlated with whole brain volume ( $r = -0.372, P = 0.030$ ). Age and gender were included as covariates in all statistical analyses.

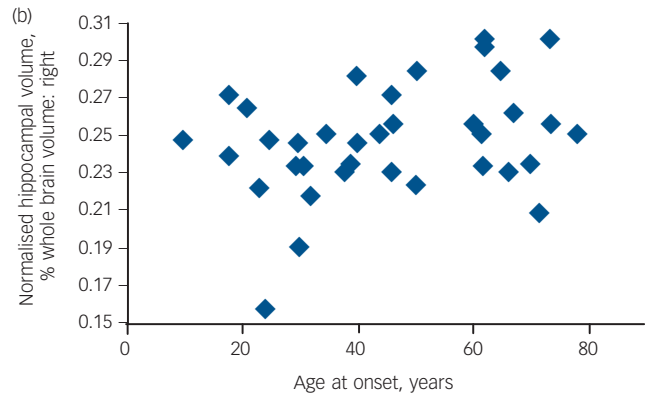
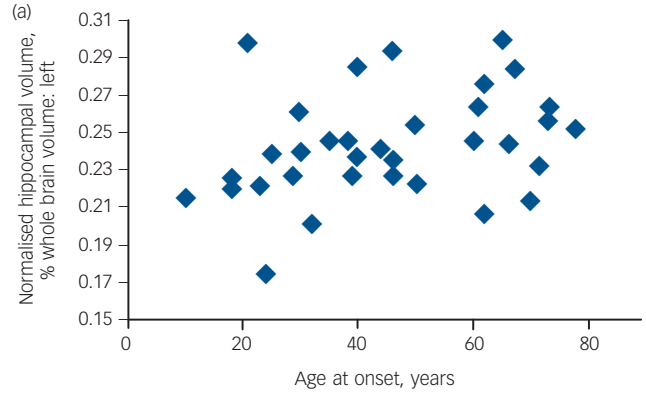


Fig. DS3 Correlations between normalised hippocampal volumes and age at onset.

Age at onset was positively correlated with normalised hippocampal volume bilaterally: (a) left:  $r = 0.504, P = 0.002$ ; (b) right:  $r = 0.411, P = 0.016$ . Age and gender were included as covariates in all statistical analyses.

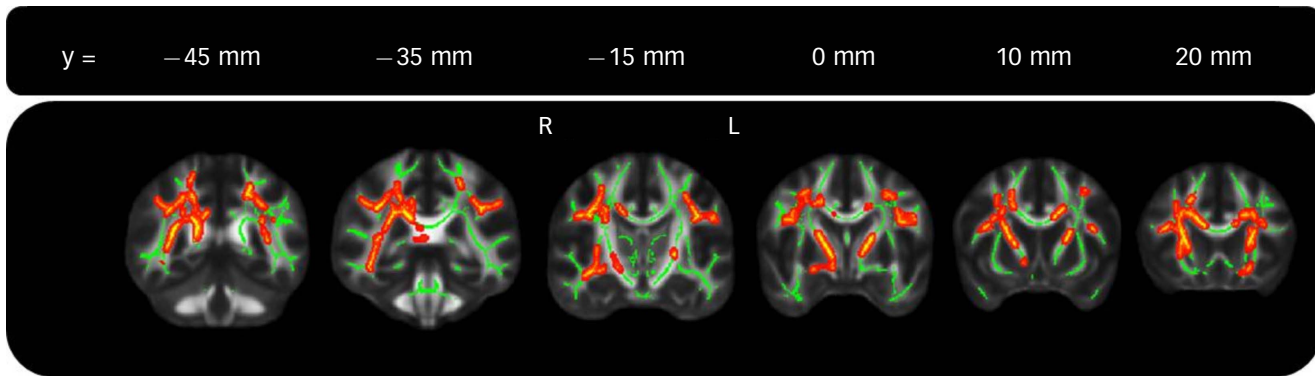
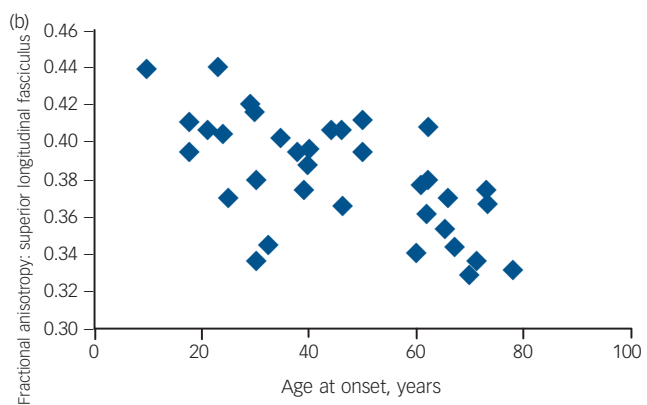
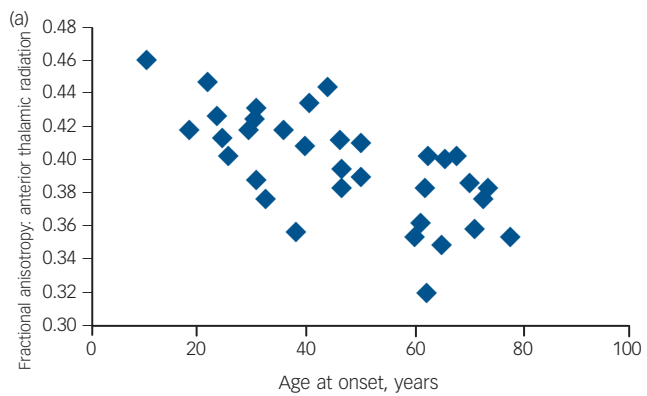


Fig. DS4 Localisation of correlations between fractional anisotropy and age at onset.

Regions significantly correlated ( $P < 0.05$ ) between age at onset and fractional anisotropy in late-life depression are shown in red-yellow, overlaid on a green skeleton. Age and gender were included as confound regressors. Significant regions are dilated for illustrative purposes. This is a full colour version of Fig. 1.



**Fig. DS5** Correlations between fractional anisotropy and age at onset.

Mean fractional anisotropy in (a) anterior thalamic radiation and (b) superior longitudinal fasciculus voxels significantly correlated with age at onset, plotted against age at onset.