

Linear coefficient for interaction between time and PRS. Effects adjusted for Age at baseline (years), intracranial volume(cm3), sex, years of education and tesla parameter. Model allows a diferent volume rate of change depending on diagnositc status. Also, intercept and rate of change in time are included as random effects. Significant interactions are reported as Wald-test pvalues at levels  $0.1(\cdot)$ , 0.05(\*), 0.01(\*\*) and 0.001(\*\*\*), corrected for multiple comparisons by FDR method. Non-significant differences are not shown.

Units Average increment in volume rate of change (mm3) associated with having high predisposition for the PRS trait.