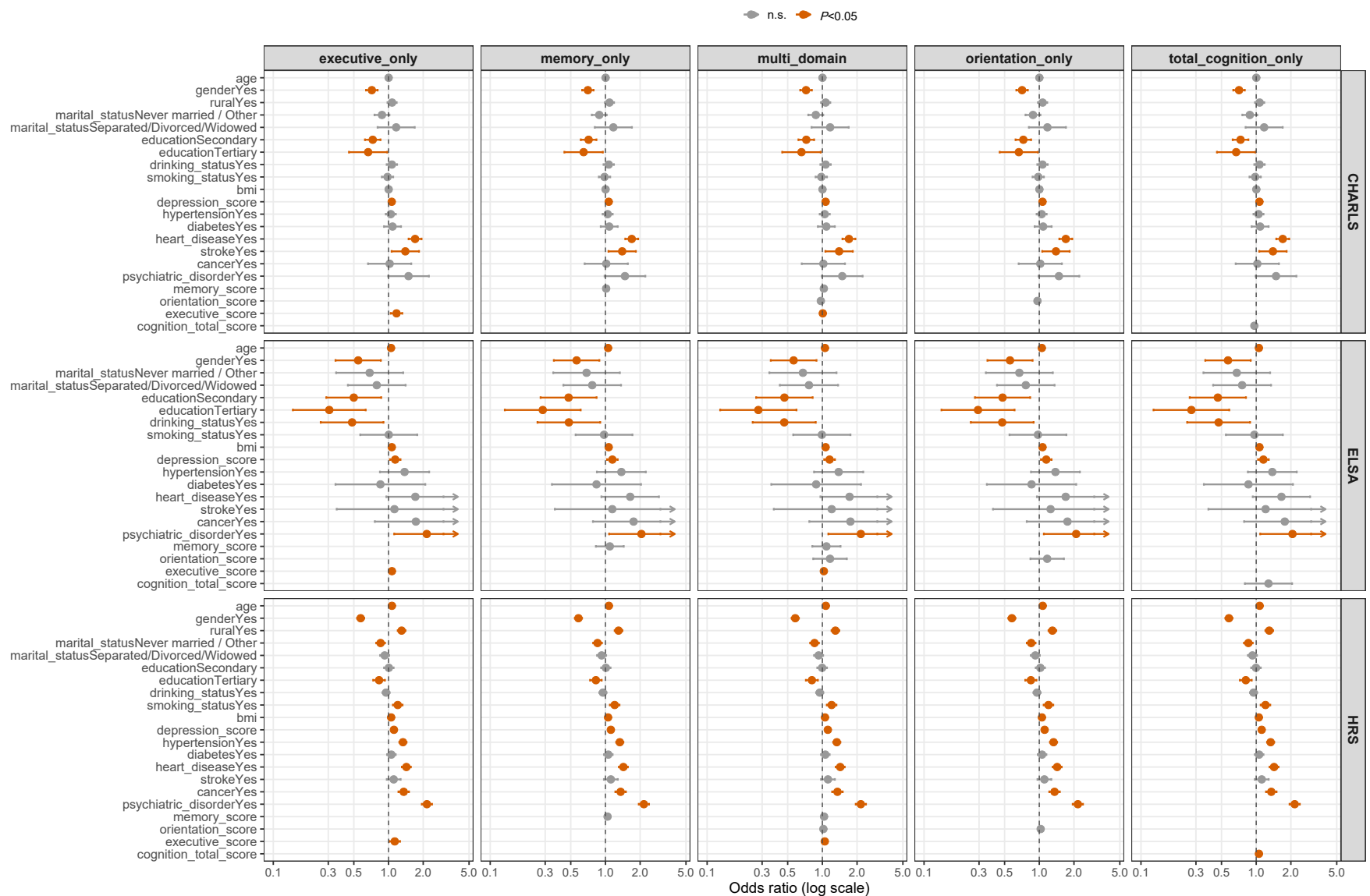




BMI: body mass index; CHARLS: China Health and Retirement Longitudinal Study; ELSA: English Longitudinal Study of Ageing; GLMM: Generalised Linear Mixed Models; HRS: Health and Retirement Study; OR: odds ratio

Models are adjusted for the same covariates as in the GEE analysis: age, gender, rural residence, marital status, education, drinking status, smoking status, BMI, depression score, hypertension, diabetes, heart disease, stroke, cancer, and psychiatric disorders. The x-axis shows ORs on a logarithmic scale, and the y-axis categorises results by cognitive domain and dataset. Significant correlations ($P < 0.05$) are marked with orange dots and non-significant correlations are marked with grey dots.