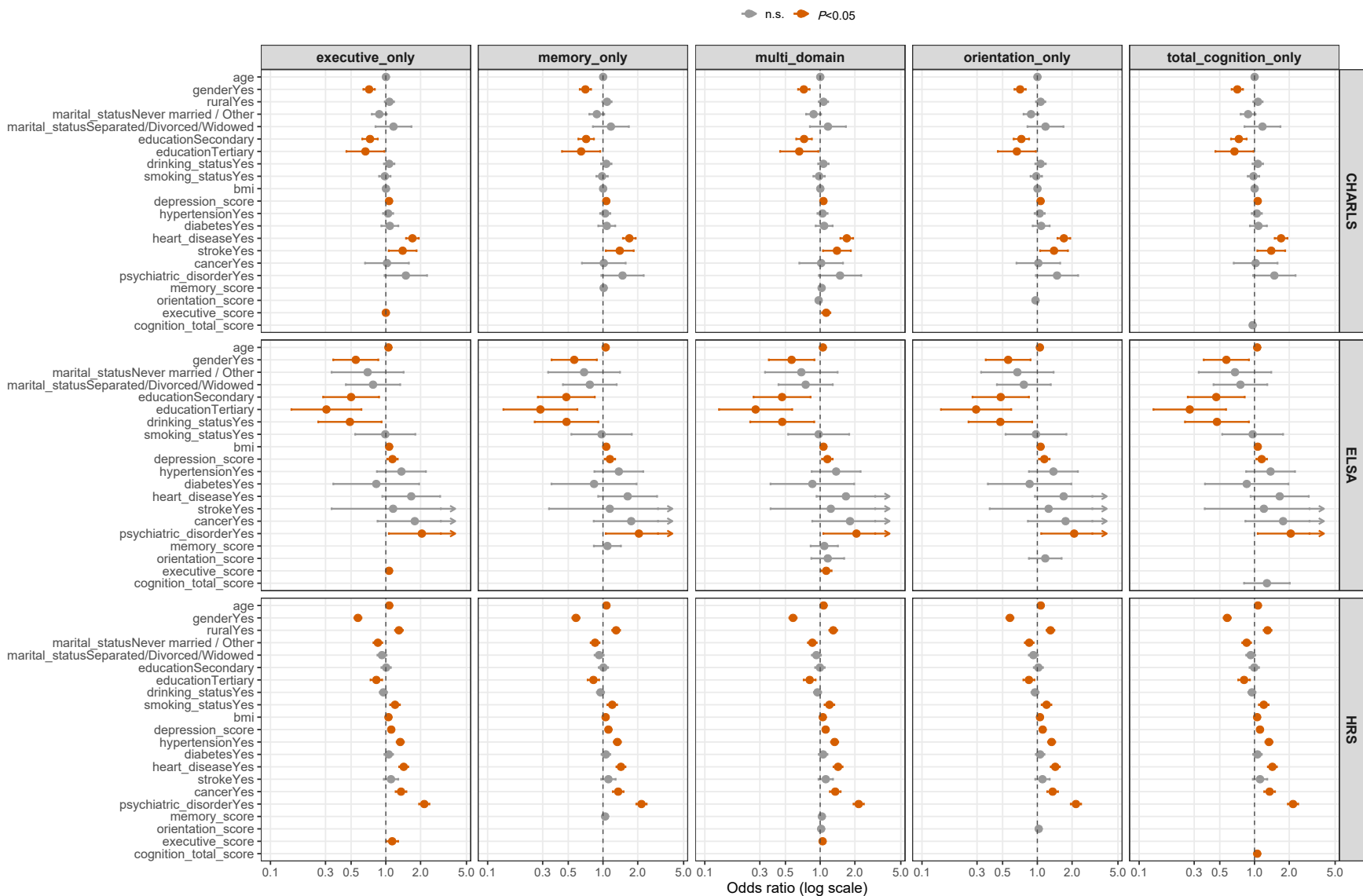




BMI: body mass index; CHARLS: China Health and Retirement Longitudinal Study; ELSA: English Longitudinal Study of Ageing; GEE: Generalised Estimating Equations; HRS: Health and Retirement Study; OR: odds ratio

Results are derived from 5 GEE models per dataset (15 models total), adjusted for covariates including age, gender, rural residence, marital status, education, drinking status, smoking status, BMI, depression score, hypertension, diabetes, heart disease, stroke, cancer, and psychiatric disorders, with an exchangeable correlation structure. The x-axis displays ORs on a logarithmic scale, while the y-axis lists cognitive domains and datasets. Significant correlations ($P < 0.05$) are marked with orange dots and non-significant correlations are marked with grey dots.