**Supplementary Material 4**. Publication bias analysis.

Supplementary Material 4a. Funnel Plot of publication bias.



Supplementary Material 4b. Egger’s test to verify the publication bias in each cognitive function

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| --- | --- | --- |
| **Cognitive Domain** | **Egger’s test (95% CI)** | **p-value** |
| Verbal memory | -6.37 (-12.45 – -2.40) | 0.55 |
| Working memory | -5.93 (-13.18 – -1.31) | 0.35 |
| Executive function | -0.41 (-6.48 – -5.66) | 0.90 |
| Verbal fluency | -11.91 (-17.21 – -6.62) | 0.14 |
| Intellectual functioning | -4.97 (-15.16 – -5.21) | 0.51 |
| Processing speed | -4.39 (-16.74 – -7.95) | 0.60 |
| Attention | 3.20 (1.05 – -5.36) | 0.10 |