| Parameter | \*b\* | 95% PPI | Pr(\*b\*<0) |
| --- | --- | --- | --- |
| Global intercept (α) | | | |
| Intercept | 140.17 | [139.58, 140.75] | 0.000 |
| Baseline correlates (β) | | | |
| TMT-A | 0.00 | [-0.35, 0.37] | 0.486 |
| TMT-B | -0.26 | [-0.86, 0.16] | 0.884 |
| DS-F | -0.05 | [-0.50, 0.28] | 0.655 |
| DS-B | -0.07 | [-0.54, 0.26] | 0.699 |
| LNS | -0.19 | [-0.77, 0.18] | 0.844 |
| SS-F | -0.05 | [-0.51, 0.29] | 0.654 |
| SS-B | -0.10 | [-0.57, 0.23] | 0.741 |
| TOL | -0.07 | [-0.53, 0.26] | 0.700 |
| PST-D | 0.03 | [-0.31, 0.47] | 0.394 |
| PST-W | 0.00 | [-0.38, 0.41] | 0.499 |
| PST-C | -0.35 | [-0.94, 0.10] | 0.935 |
| COWAT | 0.00 | [-0.36, 0.37] | 0.498 |
| CFT | -0.15 | [-0.72, 0.21] | 0.801 |
| Sim. | -0.19 | [-0.76, 0.16] | 0.848 |
| RAVLT-IR | -0.06 | [-0.51, 0.29] | 0.660 |
| RAVLT-B | -0.35 | [-0.96, 0.10] | 0.936 |
| RAVLT-DR | 0.06 | [-0.28, 0.54] | 0.330 |
| RAVLT-Rec50 | -0.01 | [-0.40, 0.35] | 0.537 |
| RAVLT-Rec15 | -0.11 | [-0.59, 0.21] | 0.769 |
| FP-IR | -0.06 | [-0.54, 0.30] | 0.669 |
| FP-DR | -0.04 | [-0.52, 0.34] | 0.617 |
| STAI-X1 | -0.00 | [-0.36, 0.36] | 0.509 |
| STAI-X2 | 0.01 | [-0.35, 0.38] | 0.472 |
| Time-dependent effects (𝛿) | | | |
| Time | -0.72 | [-0.98, -0.47] | 1.000 |
| TMT-A × Time | -0.08 | [-0.32, 0.11] | 0.810 |
| TMT-B × Time | -0.15 | [-0.45, 0.09] | 0.887 |
| DS-F × Time | 0.12 | [-0.08, 0.35] | 0.130 |
| DS-B × Time | 0.07 | [-0.14, 0.32] | 0.242 |
| LNS × Time | 0.07 | [-0.15, 0.33] | 0.255 |
| SS-F × Time | 0.23 | [-0.06, 0.57] | 0.057 |
| SS-B × Time | -0.11 | [-0.39, 0.11] | 0.838 |
| TOL × Time | -0.05 | [-0.27, 0.14] | 0.696 |
| PST-D × Time | -0.01 | [-0.27, 0.22] | 0.561 |
| PST-W × Time | -0.15 | [-0.44, 0.08] | 0.896 |
| PST-C × Time | -0.09 | [-0.35, 0.12] | 0.811 |
| COWAT × Time | -0.14 | [-0.36, 0.05] | 0.922 |
| CFT × Time | -0.02 | [-0.24, 0.20] | 0.581 |
| Sim. × Time | 0.08 | [-0.13, 0.34] | 0.227 |
| RAVLT-IR × Time | 0.00 | [-0.23, 0.24] | 0.478 |
| RAVLT-B × Time | 0.02 | [-0.17, 0.24] | 0.392 |
| RAVLT-DR × Time | 0.07 | [-0.13, 0.31] | 0.228 |
| RAVLT-Rec50 × Time | -0.03 | [-0.27, 0.17] | 0.632 |
| RAVLT-Rec15 × Time | -0.00 | [-0.22, 0.21] | 0.521 |
| FP-IR × Time | -0.03 | [-0.34, 0.26] | 0.594 |
| FP-DR × Time | -0.05 | [-0.39, 0.22] | 0.684 |
| STAI-X1 × Time | -0.00 | [-0.20, 0.18] | 0.521 |
| STAI-X2 × Time | -0.00 | [-0.21, 0.20] | 0.510 |
| All cognitive predictors were scaled such that negative values mean negative effect of pre-surgery deficit on longitudinal cognitive trajectory. | | | |
| b: parameter value point estimate (posterior media); PPI: posterior probability interval; Pr(b < 0): probability that a parameter is negative, i.e., probability that the predictor has a negative effect on the outcome (this quantity does not apply to Intercept where it cannot be interpreted but it is reported for completeness); ×: statistical interaction term; STAI-X1: State-Trait Anxiety Inventory, the state version; STAI-X2: State-Trait Anxiety Inventory, the trait version; TMT-A: Trail Making Test, part A; TMT-B: Trail Making Test, part B; DS-F: Digit Span forward; DS-B: Digit Span backward; LNS: letter-number sequencing; SS-F: Spatial Span forward; SS-B: Spatial Span backward; TOL: Tower of London task; PST-D: Prague Stroop Test, dot color naming; PST-W: Prague Stroop Test, word color naming; PST-C: Prague Stroop Test, interference condition; COWAT: Controlled Oral Word Association Test; CFT: category fluency test; Sim.: Similarities; RAVLT-IR: Rey Auditory Verbal Learning Test, immediate recall; RAVLT-B: Rey Auditory Verbal Learning Test, recall of the interference set; RAVLT-DR: Rey Auditory Verbal Learning Test, delayed recall; RAVLT-Rec50: Rey Auditory Verbal Learning Test, delayed recognition from 50 items (15 correct answers + 35 distractors); RAVLT-Rec15: Rey Auditory Verbal Learning Test, delayed recognition, number of correctly identified from 15 items; FP-IR: Family Pictures, immediate recall; FP-DR: Family Pictures, delayed recall. | | | |