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| **SUCCAB Task** **(Reaction time)**  | **Mean score ± SE (n = 80)** | **Covariates** | **Parameter Estimates** | **Differences between Adequate vs deficient vitamin C level groups**  |
| Adequate vitamin C plasma groups | Adequate (n = 47) | Adequate supplementers (n = 20) |  | B | SE | p- value | Mean | SE | p-value |
| Simple reaction time  | 325.72 ± 11.97 | 326.27 ± 18.35  | None |  |  |  | 0.55 | 21.90 | 0.98 |
| Choice reaction time  | 540.05 ± 16.98 | 543.72 ± 26.04 | None |  |  |  | 3.68 | 31.09 | 0.91 |
| Immediate recognition memory  | 1009.50 ± 42.25  | 1121.38 ± 64.77  | None |  |  |  | 111.88 | 77.33 | 0.15 |
| Congruent Stroop  | 749.89 ± 160.73  | 786.90 ± 125.63  | None |  |  |  | 37.01 | 40.40 | 0.36 |
| Incongruent Stroop  | 901.58 ± 32.03 | 959.69 ± 50.65  | None |  |  |  | 58.11 | 59.93 | 0.34 |
| Spatial working memory  | 1070.16 ± 46.10 | 1048.03 ± 70.66  | None |  |  |  | 22.13 | 84.37 | 0.79 |
| Contextual memory  | 1046.84 ± 32.36  | 1143.21 ± 50.79  | Number of meds | 33.55 | 16.07 | 0.04 | 96.38 | 60.73 | 0.12 |
| Years of education | 44.52 | 17.73 | 0.015 |
| Delayed recognition memory  | 1030.65 ± 36.36  | 1080.44 ± 55.15  | None |  |  |  | 59.79 | 66.06 | 0.37 |

Supplementary Table 2. Comparison between self-reported vitamin C supplementers and non-vitamin C supplementers in the adequate plasma vitamin C group on the SUCCAB task reaction time.

Meds = Medications, SE = Standard Error, B = Beta value, SUCCAB = Swinburne University Computerized Cognitive Battery