**Supplementary Data Table 1. Test performance at the three measurements in OPUS School Meal Study**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Baseline | Month 3 |  | Month 6 |  |
|  | Mean  | SD | n | Mean  | SD | n | Mean  | SD | n |
| *d2-test of attention* |  |  |  |  |  |  |  |  |  |
| Concentration Performance  | 130.6  | 22.9 | 693 | 153.5\*  | 25.9 | 648 | 164.9† | 28.3 | 632 |
| Processing speed  | 331.4  | 57.7 | 693 | 384.6\*  | 64.0 | 648 | 412.7† | 68.0 | 632 |
| Total error %  | 2.0  | [1.0-3.3]a | 693 | 1.4\*  | [0.8; 2.5] | 648 | 1.4  | [0.7; 2.4] | 632 |
| Omission error %  | 1.6  | [0.8; 2.9] | 693 | 1.3\*  | [0.7; 2.5] | 648 | 1.3† | [0.6; 2.2] | 632 |
| Commission error % | 0.3  | [0.0; 0.6] | 693 | 0.2\*  | [0.0; 0.5] | 648 | 0.0† | [0.0; 0.2] | 632 |
|  |  |  |  |  |  |  |  |  |  |
| *Learning Rating Scale*  |  |  |  |  |  |  |  |  |  |
| Overall learning alliance | 37.0  | [33.5; 39.3] | 689 | 36.7\*  | [31.9; 39.3] | 642 | 37.3† | [32.4; 39.4] | 631 |
| Learning gain scale | 9.6  | [8.2; 10] | 689 | 9.5  | [8.0; 10.0] | 642 | 9.7† | [8.2; 10.0] | 631 |
| Social scale | 9.9  | [9.1; 10] | 689 | 9.9  | [8.9; 10.0] | 642 | 9.9  | [8.7; 10.0] | 631 |
| Method match scale | 9.7  | [8.3; 10] | 689 | 9.7  | [8.0; 10.0] | 642 | 9.7  | [8.0; 10.0] | 631 |
| Expectation scale | 9.7  | [8.1; 10] | 689 | 9.7  | [8.0; 10.0] | 642 | 9.8† | [8.0; 10.0] | 631 |
|  |  |  |  |  |  |  |  |  |  |
| *Sentence Reading test*  |  |  |  |  |  |  |  |  |  |
| Reading speed | 55.9  | 16.2 | 717 | 65.6\* | 16.8 | 673 | 70.9† | 17.3 | 654 |
| No. correct  | 51.2  | 17.7 | 717 | 60.2\*  | 18.9 | 673 | 65.2† | 20.1 | 654 |
| % correct (of read)  | 96.9  | [93.1; 98.6] | 717 | 97.4\*  | [93.8; 98.9] | 673 | 97.6† | [94.7; 99.0] | 654 |
|  |  |  |  |  |  |  |  |  |  |
| *Math test (all)* |  |  |  |  |  |  |  |  |  |
| No. correct  | 31.9  | 11.2 | 698 | 38.9  | 10.6 | 650 | 41.6  | 10.4 | 653 |
| % finished test | 45.7 |  | 698 | 72.0 |  | 650 | 83.0 |  | 653 |
| *Third grade math test* |  |  |  |  |  |  |  |  |  |
| No. correct  | 31.1  | 10.1 | 348 | 36.3\*  | 7.9 | 327 | 38.2† | 7.9 | 314 |
| % finished test | 69.8 |  | 348 | 88.1\* |  | 327 | 94.3† |  | 314 |
| *Fourth grade math test* |  |  |  |  |  |  |  |  |  |
| No. correct  | 32.7 | 12.2 | 350 | 41.6\*  | 12.2 | 323 | 45.3† | 11.5 | 320 |
| % finished test | 21.7 |  | 350 | 55.7\* |  | 323 | 71.3† |  | 320 |

a Non-normal distributed data presented as median [interquartile range], all such values.

\* Month 3 different from baseline (p<0.05 according to paired t-test or sign-rank test as appropriate).

† Month 6 different from month 3 (p<0.05 according to paired t-test or sign-rank test as appropriate).