**Supplementary Information**

MAINTAINING COGNITIVE FUNCTION WITH INTERNET USE:

A TWO-COUNTRY, SIX-YEAR LONGITUDINAL STUDY

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**APPENDIX 1: Change in MMSE score and number of participants with significant cognitive decline, in Sweden and the Netherlands.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  | **Sweden** |  |  |  | **The Netherlands** |  | | difference score T1-T2 | no significant decline | significant decline |  | difference score T1-T2 | no significant decline | significant decline | | -7 | 1 | 0 |  | -8 | 1 | 0 | | -6 | 7 | 0 |  | -7 | 1 | 0 | | -5 | 7 | 0 |  | -6 | 3 | 0 | | -4 | 20 | 0 |  | -5 | 2 | 0 | | -3 | 70 | 0 |  | -4 | 5 | 0 | | -2 | 142 | 0 |  | -3 | 18 | 0 | | -1 | 319 | 0 |  | -2 | 40 | 0 | | 0 | 650 | 0 |  | -1 | 111 | 0 | | 1 | 586 | 0 |  | 0 | 141 | 0 | | 2 | 443 | 0 |  | 1 | 123 | 0 | | 3 | 245 | 2 |  | 2 | 71 | 0 | | 4 | 116 | 28 |  | 3 | 51 | 18 | | 5 | 0 | 55 |  | 4 | 0 | 28 | | 6 | 0 | 57 |  | 5 | 0 | 20 | | 7 | 0 | 28 |  | 6 | 0 | 13 | | 8 | 0 | 23 |  | 7 | 0 | 11 | | 9 | 0 | 16 |  | 8 | 0 | 7 | | 10 | 0 | 12 |  | 9 | 0 | 7 | | 11 | 0 | 16 |  | 10 | 0 | 4 | | 12 | 0 | 11 |  | 11 | 0 | 6 | | 13 | 0 | 8 |  | 14 | 0 | 1 | | 14 | 0 | 4 |  | 15 | 0 | 1 | | 15 | 0 | 3 |  |  |  |  | | 16 | 0 | 2 |  |  |  |  | | TOTAL | 2606 | 265 |  | TOTAL | 567 | 116 | |  |  |  |  |  |  |

**APPENDIX 2: Correlations between baseline MMSE, follow-up MMSE, and MMSE change score, Sweden (upper triangle) and the Netherlands (lower triangle)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Baseline MMSE | Follow-up MMSE | MMSE change score |
| Baseline MMSE | 1.00 | 0.51 | 0.17 |
| Follow-up MMSE | 0.46 | 1.00 | -0.76 |
| MMSE change score | 0.19 | -0.79 | 1.00 |