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| Appendix A | | | | | | | | | | | | |
| Discrete normative neuropsychological data for Greek older individuals | | | | | | | | | | | | |
| Clock Drawing Test (6:45) | | | | | | | | | | | | |
| Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=10 | 7-12  n=13 | 13+  n=27 | 1-6  n=25 | 7-12  n=22 | 13+  n=24 | 1-6  n=8 | 7-12  n=10 | 13+  n=21 | 1-6  n=3 | 7-12  n=3 | 13+  n=5 |
| *95* | 15.00 | 15.00 | 15.00 | 14.00 | 15.00 | 15.00 | 14.00 | 15.00 | 15.00 | . | . | . |
| *75* | 14.00 | 15.00 | 15.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 15.00 | . | . | . |
| 50 | 12.50 | 14.00 | 13.50 | 13.00 | 14.00 | 14.00 | 13.00 | 14.00 | 14.00 | . | . | . |
| *25* | 12.00 | 13.00 | 11.50 | 10.00 | 11.00 | 13.00 | 12.00 | 13.00 | 14.00 | . | . | . |
| *10* | 9.00 | 6.00 | 9.00 | 9.00 | 9.00 | 12.00 | 11.00 | 12.00 | 12.00 | . | . | . |
| *7.5 (Cut-off)* | 9.00 | 6.00 | 8.00 | 9.00 | 9.00 | 11.00 | 11.00 | 12.00 | 12.00 | . | . | . |
| *M* | 12.50 | 12.82 | 12.75 | 11.94 | 12.89 | 13.41 | 12.83 | 13.67 | 13.86 | 13.33 | 11.50 | 11.00 |
| *SD* | 2.07 | 3.43 | 2.45 | 1.98 | 2.08 | 1.47 | 1.17 | 1.03 | 1.17 | 0.58 | 0.71 | 2.65 |

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| Clock Drawing Test (6:45) | | | | | | | | | | | | |
| Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=25 | 7-12  n=30 | 13+  n=48 | 1-6  n=16 | 7-12  n=25 | 13+  n=21 | 1-6  n=7 | 7-12  n=8 | 13+  n=10 | 1-6  n=1 | 7-12  n=2 | 13+  n=0 |
| *95* | 14.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 12.00 | 14.00 | . |
| *75* | 14.00 | 15.00 | 15.00 | 14.50 | 15.00 | 15.00 | 15.00 | 14.50 | 14.00 | 12.00 | 14.00 | . |
| 50 | 12.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 15.00 | 13.00 | 14.00 | 12.00 | 13.50 | . |
| *25* | 11.00 | 14.00 | 13.00 | 12.00 | 13.00 | 14.00 | 14.00 | 12.00 | 13.00 | 12.00 | 13.00 | . |
| *10* | 9.00 | 13.00 | 12.00 | 11.00 | 11.00 | 12.00 | 10.00 | 9.00 | 12.50 | 12.00 | 13.00 | . |
| *7.5 (Cut-off)* | 8.00 | 13.00 | 12.00 | 11.00 | 9.00 | 12.00 | 10.00 | 9.00 | 12.00 | 12.00 | 13.00 | . |
| *M* | 12.04 | 14.17 | 13.46 | 13.06 | 13.48 | 14.14 | 14.00 | 12.88 | 13.70 | 12.00 | 13.50 | . |
| *SD* | 2.23 | 1.18 | 2.41 | 2.35 | 1.83 | 1.06 | 1.83 | 2.03 | 0.95 | . | 0.71 | . |

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| Months Forward | | | | | | | | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | | 75-79 | | | | | | 80-89 | | | | | |
| Percentile | 1-6  n=31 | 7-12  n=38 | 13+  n=69 | 1-6  n=32 | 7-12  n=40 | 13+  n=43 | | 1-6  n=13 | | 7-12  n=14 | | 13+  n=23 | | 1-6  n=4 | | 7-12  n=3 | | 13+  n=3 | |
| *95* | 4.00 | 4.00 | 4.00 | 5.00 | 4.51 | 4.00 | | 5.00 | | 4.00 | | 4.00 | | . | | . | | . | |
| *75* | 6.15 | 5.90 | 5.00 | 6.00 | 6.00 | 5.00 | | 7.00 | | 6.00 | | 5.00 | | . | | . | | . | |
| 50 | 7.87 | 6.07 | 5.40 | 7.45 | 6.70 | 6.00 | | 9.00 | | 6.79 | | 5.41 | | . | | . | | . | |
| *25* | 10.00 | 7.00 | 7.00 | 9.00 | 7.21 | 7.00 | | 9.00 | | 8.00 | | 7.00 | | . | | . | | . | |
| *10* | 11.00 | 8.00 | 8.00 | 10.00 | 10.00 | 8.51 | | 11.70 | | 10.00 | | 8.00 | | . | | . | | . | |
| *7.5 (Cut-off)* | 11.00 | 8.00 | 8.00 | 10.00 | 10.00 | 9.00 | | 14.71 | | 10.00 | | 9.00 | | . | | . | | . | |
| *M* | 8.10 | 6.42 | 5.91 | 7.45 | 6.88 | 6.41 | | 8.59 | | 7.20 | | 6.04 | | 5.98 | | 8.83 | | 4.84 | |
| *SD* | 2.74 | 1.47 | 1.60 | 1.95 | 1.78 | | 2.15 | | 2.53 | | 2.44 | | 1.61 | | 1.44 | | 1.04 | | 0.28 | |

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| Months Backwards | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=31 | 7-12  n=38 | 13+  n=69 | 1-6  n=32 | 7-12  n=40 | 13+  n=43 | 1-6  n=13 | 7-12  n=14 | 13+  n=23 | 1-6  n=4 | 7-12  n=3 | 13+  n=3 |
| *95* | 8.00 | 7.00 | 6.60 | 10.35 | 7.65 | 8.00 | 10.00 | 7.00 | 7.00 | . | . | . |
| *75* | 11.21 | 10.00 | 8.21 | 14.50 | 10.00 | 9.54 | 13.00 | 9.13 | 10.00 | . | . | . |
| 50 | 16.00 | 12.00 | 11.00 | 19.50 | 13.09 | 11.00 | 14.00 | 13.00 | 12.00 | . | . | . |
| *25* | 23.00 | 15.00 | 14.00 | 22.00 | 18.00 | 13.00 | 15.50 | 19.00 | 16.00 | . | . | . |
| *10* | 27.00 | 20.10 | 17.00 | 40.00 | 22.50 | 18.00 | 27.90 | 24.00 | 18.00 | . | . | . |
| *7.5 (Cut-off)* | 27.00 | 21.91 | 19.91 | 40.00 | 26.40 | 18.00 | 30.51 | 24.00 | 23.50 | . | . | . |
| *M* | 17.75 | 12.96 | 11.86 | 21.63 | 14.96 | 12.35 | 16.87 | 17.10 | 13.51 | 22.81 | 25.67 | 9.22 |
| *SD* | 10.37 | 4.75 | 4.79 | 11.55 | 6.41 | 6.56 | 6.88 | 14.71 | 5.92 | 13.35 | 5.03 | 1.34 |

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| Months ratio backwards: forward | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=31 | 7-12  n=38 | 13+  n=69 | 1-6  n=32 | 7-12  n=40 | 13+  n=42 | 1-6  n=13 | 7-12  n=14 | 13+  n=23 | 1-6  n=4 | 7-12  n=3 | 13+  n=3 |
| *95* | 1.14 | 1.04 | 1.08 | 1.40 | 1.08 | 1.00 | 1.11 | 1.00 | 1.40 | . | . | . |
| *75* | 1.48 | 1.50 | 1.43 | 1.81 | 1.59 | 1.33 | 1.44 | 1.36 | 1.60 | . | . | . |
| 50 | 1.88 | 1.86 | 1.80 | 2.55 | 1.89 | 1.82 | 1.84 | 1.79 | 1.83 | . | . | . |
| *25* | 2.57 | 2.75 | 2.37 | 3.64 | 2.82 | 2.50 | 2.17 | 2.20 | 2.67 | . | . | . |
| *10* | 3.00 | 3.33 | 4.00 | 5.00 | 3.75 | 3.22 | 3.65 | 6.00 | 4.50 | . | . | . |
| *7.5 (Cut-off)* | 4.33 | 3.50 | 4.10 | 5.41 | 4.12 | 3.67 | 4.81 | 6.00 | 4.85 | . | . | . |
| *M* | 2.28 | 2.09 | 2.12 | 3.16 | 2.27 | 2.14 | 2.10 | 2.65 | 2.38 | 4.04 | 2.89 | 1.92 |
| *SD* | 1.31 | 0.81 | 1.02 | 2.35 | 1.08 | 1.44 | 1.07 | 2.66 | 1.33 | 2.85 | 0.24 | 0.39 |

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| GVLT: 1st learning trial  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 10.00 | 7.00 | 9.00 | 9.00 | 9.00 | 9.00 | 11.00 | 11.00 | 10.00 | . | . | . |
| *75* | 6.00 | 6.00 | 7.50 | 7.00 | 7.00 | 8.00 | 7.00 | 7.00 | 7.50 | . | . | . |
| 50 | 6.00 | 5.00 | 6.00 | 6.00 | 5.00 | 6.00 | 6.00 | 5.50 | 6.50 | . | . | . |
| *25* | 4.00 | 4.50 | 5.00 | 4.00 | 4.00 | 4.00 | 4.00 | 5.00 | 4.50 | . | . | . |
| *10* | 3.00 | 3.00 | 4.00 | 4.00 | 3.00 | 4.00 | 3.00 | 4.00 | 4.00 | . | . | . |
| *7.5 (Cut-off)* | 3.00 | 3.00 | 4.00 | 3.00 | 3.00 | 4.00 | 3.00 | 3.00 | 4.00 | . | . | . |
| *M* | 5.41 | 5.06 | 6.32 | 5.77 | 5.56 | 6.00 | 5.67 | 6.00 | 6.13 | 4.83 | 4.75 | 5.83 |
| *SD* | 2.15 | 1.44 | 1.79 | 1.89 | 1.97 | 2.00 | 2.26 | 2.11 | 1.93 | 3.06 | 2.06 | 1.60 |

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| GVLT: 1st learning trial  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 10.00 | 12.00 | 12.00 | 14.00 | 12.00 | 10.00 | 10.00 | 9.00 | 9.00 | . | . | . |
| *75* | 9.00 | 11.00 | 11.00 | 10.00 | 10.00 | 10.00 | 10.00 | 9.00 | 9.00 | . | . | . |
| 50 | 8.00 | 8.00 | 8.00 | 7.00 | 8.00 | 8.00 | 6.00 | 8.00 | 8.00 | . | . | . |
| *25* | 6.00 | 6.00 | 7.00 | 6.00 | 6.00 | 7.00 | 6.00 | 7.00 | 6.00 | . | . | . |
| *10* | 5.00 | 5.00 | 6.00 | 4.00 | 5.00 | 6.00 | 3.00 | 7.00 | 6.00 | . | . | . |
| *7.5 (Cut-off)* | 4.00 | 3.00 | 5.00 | 3.00 | 4.00 | 4.00 | 3.00 | 6.00 | 6.00 | . | . | . |
| *M* | 3.00 | 3.00 | 4.00 | 3.00 | 4.00 | 4.00 | 3.00 | 6.00 | 5.00 | 4.00 | 5.00 | . |
| *SD* | 5.95 | 6.53 | 7.04 | 5.92 | 6.72 | 6.62 | 5.27 | 7.42 | 6.73 | 6.50 | 5.00 | . |

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| GVLT: 5st learning trial  Men | | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 | |
| *95* | 14.00 | 16.00 | 16.00 | 14.00 | 16.00 | 16.00 | 15.00 | 16.00 | 16.00 | . | . | . | |
| *75* | 11.00 | 12.50 | 15.50 | 11.00 | 13.00 | 14.00 | 12.00 | 12.00 | 13.50 | . | . | . | |
| 50 | 10.00 | 10.50 | 13.00 | 11.00 | 9.00 | 12.00 | 8.00 | 9.50 | 11.50 | . | . | . | |
| *25* | 9.00 | 10.00 | 11.50 | 8.00 | 8.00 | 10.00 | 7.00 | 9.00 | 10.00 | . | . | . | |
| *10* | 7.00 | 8.00 | 10.00 | 7.00 | 7.00 | 9.00 | 6.00 | 8.00 | 7.00 | . | . | . | |
| *7.5 (Cut-off)* | 7.00 | 8.00 | 10.00 | 6.00 | 7.00 | 9.00 | 6.00 | 8.00 | 7.00 | . | . | . | |
| *M* | 10.00 | 11.19 | 13.14 | 9.97 | 10.15 | 12.35 | 9.20 | 10.50 | 11.69 | 9.00 | 10.75 | 10.50 | |
| *SD* | 2.03 | 2.32 | 2.34 | 2.56 | 3.16 | 2.43 | 3.03 | 2.55 | 2.57 | 2.53 | 2.99 | 1.05 | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | GVLT: 5st learning trial  Women | | | | | | | | | | | | | | |  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | | | | Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 | | | *95* | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | . | . | . | | | *75* | 14.00 | 15.00 | 15.00 | 13.00 | 15.50 | 15.00 | 13.00 | 15.50 | 15.00 | . | . | . | | | 50 | 12.00 | 14.00 | 14.00 | 11.00 | 14.00 | 14.00 | 11.00 | 14.50 | 14.00 | . | . | . | | | *25* | 11.00 | 12.00 | 12.00 | 10.00 | 12.00 | 12.50 | 8.00 | 12.00 | 12.00 | . | . | . | | | *10* | 10.00 | 11.00 | 11.00 | 8.00 | 10.00 | 11.00 | 7.00 | 11.00 | 12.00 | . | . | . | | | *7.5 (Cut-off)* | 10.00 | 9.00 | 11.00 | 7.00 | 10.00 | 11.00 | 4.00 | 11.00 | 11.00 | . | . | . | | | *M* | 12.02 | 13.50 | 13.67 | 11.24 | 13.61 | 13.88 | 10.18 | 13.92 | 13.64 | 12.00 | 13.00 | . | | | *SD* | 2.33 | 2.14 | 2.00 | 2.74 | 2.06 | 1.80 | 3.43 | 1.98 | 1.63 | 1.41 | 0.00 | . | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |

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| GVLT: Sum of 5 learning trials  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 64.00 | 66.00 | 72.00 | 54.00 | 68.00 | 69.00 | 67.00 | 67.00 | 65.00 | . | . | . |
| *75* | 43.00 | 48.50 | 57.00 | 48.00 | 49.00 | 52.00 | 51.00 | 45.00 | 56.00 | . | . | . |
| 50 | 39.00 | 45.00 | 52.00 | 44.00 | 38.00 | 47.50 | 37.00 | 39.50 | 46.50 | . | . | . |
| *25* | 37.00 | 37.50 | 44.50 | 32.00 | 33.00 | 39.00 | 32.00 | 34.00 | 40.00 | . | . | . |
| *10* | 29.00 | 36.00 | 39.00 | 29.00 | 28.00 | 34.00 | 27.00 | 28.50 | 31.00 | . | . | . |
| *7.5 (Cut-off)* | 29.00 | 36.00 | 39.00 | 29.00 | 28.00 | 33.00 | 27.00 | 28.00 | 31.00 | . | . | . |
| *M* | 40.47 | 44.50 | 52.18 | 41.94 | 42.00 | 47.96 | 40.53 | 40.60 | 47.00 | 35.33 | 41.75 | 43.17 |
| *SD* | 8.43 | 7.93 | 10.82 | 9.24 | 12.73 | 11.93 | 12.05 | 11.42 | 11.14 | 11.17 | 10.72 | 4.96 |

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| GVLT: Sum of 5 learning trials  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 65.00 | 69.00 | 70.00 | 67.00 | 72.00 | 66.00 | 64.00 | 68.00 | 65.00 | . | . | . |
| *75* | 54.00 | 61.00 | 62.00 | 54.00 | 60.00 | 61.50 | 47.00 | 62.50 | 63.00 | . | . | . |
| 50 | 48.00 | 53.50 | 56.00 | 46.00 | 53.00 | 56.00 | 43.00 | 60.00 | 55.00 | . | . | . |
| *25* | 43.00 | 49.00 | 51.00 | 40.00 | 46.00 | 51.50 | 34.00 | 52.00 | 45.00 | . | . | . |
| *10* | 38.00 | 44.00 | 40.00 | 31.50 | 43.00 | 41.00 | 27.00 | 51.00 | 45.00 | . | . | . |
| *7.5 (Cut-off)* | 37.00 | 42.00 | 40.00 | 27.00 | 43.00 | 41.00 | 19.00 | 46.00 | 44.00 | . | . | . |
| *M* | 48.64 | 54.26 | 55.78 | 46.50 | 54.11 | 55.46 | 41.82 | 57.83 | 54.27 | 54.50 | 44.50 | . |
| *SD* | 8.79 | 9.75 | 8.76 | 11.64 | 9.35 | 8.50 | 12.42 | 6.53 | 7.73 | 13.44 | 3.54 | . |

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| GVLT: Learning curve  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 2.40 | 2.10 | 2.50 | 1.90 | 1.90 | 2.10 | 1.70 | 1.60 | 2.50 | . | . | . |
| *75* | 1.30 | 1.75 | 2.00 | 1.30 | 1.40 | 1.80 | 1.10 | 1.50 | 1.60 | . | . | . |
| 50 | 1.10 | 1.55 | 1.60 | 1.00 | 0.90 | 1.50 | 0.90 | 1.05 | 1.25 | . | . | . |
| *25* | 0.90 | 1.10 | 1.40 | 0.60 | 0.60 | 1.10 | 0.50 | 0.50 | 1.00 | . | . | . |
| *10* | 0.40 | 0.90 | 1.00 | 0.50 | 0.40 | 1.00 | 0.10 | 0.45 | 0.70 | . | . | . |
| *7.5 (Cut-off)* | 0.40 | 0.90 | 1.00 | 0.40 | 0.40 | 0.90 | 0.10 | 0.40 | 0.70 | . | . | . |
| *M* | 1.16 | 1.48 | 1.66 | 1.01 | 1.04 | 1.49 | 0.79 | 1.05 | 1.34 | 0.88 | 1.40 | 1.23 |
| *SD* | 0.55 | 0.44 | 0.50 | 0.53 | 0.51 | 0.41 | 0.51 | 0.48 | 0.51 | 0.52 | 0.41 | 0.45 |

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| GVLT: Learning curve  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 2.50 | 2.70 | 2.40 | 1.90 | 2.30 | 2.30 | 2.90 | 2.50 | 2.30 | . | . | . |
| *75* | 1.80 | 2.10 | 2.00 | 1.60 | 2.00 | 2.05 | 1.30 | 1.80 | 2.00 | . | . | . |
| 50 | 1.40 | 1.65 | 1.70 | 1.25 | 1.80 | 1.85 | 1.20 | 1.65 | 1.70 | . | . | . |
| *25* | 1.10 | 1.20 | 1.20 | 0.90 | 1.35 | 1.40 | 0.90 | 1.20 | 1.30 | . | . | . |
| *10* | 0.80 | 0.90 | 0.80 | 0.70 | 0.80 | 1.00 | 0.70 | 1.10 | 1.20 | . | . | . |
| *7.5 (Cut-off)* | 0.60 | 0.90 | 0.70 | 0.60 | 0.80 | 0.70 | 0.30 | 0.90 | 0.60 | . | . | . |
| *M* | 1.45 | 1.70 | 1.58 | 1.26 | 1.64 | 1.68 | 1.28 | 1.61 | 1.62 | 1.10 | 1.95 | . |
| *SD* | 0.63 | 0.58 | 0.61 | 0.47 | 0.56 | 0.53 | 0.71 | 0.45 | 0.47 | 0.57 | 0.21 | . |

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| GVLT: Immediate free recall  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 12.00 | 15.00 | 16.00 | 11.00 | 13.00 | 14.00 | 11.00 | 14.00 | 13.00 | . | . | . |
| *75* | 10.00 | 11.00 | 13.00 | 9.00 | 9.00 | 13.00 | 10.00 | 11.00 | 12.00 | . | . | . |
| 50 | 8.00 | 9.00 | 11.00 | 8.00 | 7.00 | 9.50 | 7.00 | 8.50 | 9.50 | . | . | . |
| *25* | 6.00 | 6.00 | 10.00 | 6.00 | 5.00 | 8.00 | 6.00 | 5.00 | 7.50 | . | . | . |
| *10* | 5.00 | 5.00 | 9.00 | 2.00 | 4.00 | 6.00 | 5.00 | 3.50 | 7.00 | . | . | . |
| *7.5 (Cut-off)* | 5.00 | 5.00 | 9.00 | 2.00 | 4.00 | 6.00 | 5.00 | 2.00 | 7.00 | . | . | . |
| *M* | 8.00 | 8.88 | 11.36 | 7.39 | 7.85 | 10.15 | 7.53 | 8.10 | 9.38 | 6.67 | 7.25 | 7.83 |
| *SD* | 2.24 | 2.92 | 2.51 | 2.95 | 3.35 | 2.98 | 2.10 | 3.60 | 2.66 | 3.20 | 3.10 | 0.98 |

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| GVLT: Immediate free recall  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 16.00 | 16.00 | 16.00 | 15.00 | 16.00 | 15.00 | 15.00 | 15.00 | 16.00 | . | . | . |
| *75* | 13.00 | 13.00 | 14.00 | 12.00 | 14.00 | 14.00 | 12.00 | 13.50 | 14.00 | . | . | . |
| 50 | 10.00 | 12.00 | 13.00 | 10.00 | 11.50 | 13.00 | 9.00 | 13.00 | 11.00 | . | . | . |
| *25* | 8.00 | 11.00 | 10.00 | 8.00 | 10.00 | 9.50 | 6.00 | 12.00 | 10.00 | . | . | . |
| *10* | 7.00 | 7.00 | 9.00 | 4.50 | 8.00 | 9.00 | 4.00 | 10.00 | 6.00 | . | . | . |
| *7.5 (Cut-off)* | 7.00 | 7.00 | 9.00 | 3.00 | 8.00 | 8.00 | 3.00 | 9.00 | 6.00 | . | . | . |
| *M* | 10.46 | 11.76 | 12.12 | 9.54 | 11.86 | 12.08 | 8.91 | 12.50 | 11.45 | 13.50 | 8.50 | . |
| *SD* | 2.72 | 2.74 | 2.64 | 3.51 | 2.58 | 2.52 | 3.73 | 1.68 | 3.36 | 2.12 | 2.12 | . |

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| GVLT: Immediate cued recall  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 14.00 | 15.00 | 16.00 | 14.00 | 15.00 | 15.00 | 14.00 | 15.00 | 16.00 | . | . | . |
| *75* | 12.00 | 13.50 | 14.00 | 13.00 | 13.00 | 14.00 | 12.00 | 14.00 | 14.00 | . | . | . |
| 50 | 11.00 | 11.50 | 13.00 | 10.00 | 10.00 | 11.00 | 9.00 | 12.00 | 11.00 | . | . | . |
| *25* | 10.00 | 10.00 | 11.00 | 9.00 | 9.00 | 10.00 | 7.00 | 11.00 | 10.50 | . | . | . |
| *10* | 9.00 | 9.00 | 10.00 | 6.00 | 7.00 | 10.00 | 7.00 | 7.00 | 8.00 | . | . | . |
| *7.5 (Cut-off)* | 9.00 | 9.00 | 10.00 | 5.00 | 7.00 | 9.00 | 7.00 | 4.00 | 8.00 | . | . | . |
| *M* | 10.88 | 11.69 | 12.79 | 10.23 | 10.70 | 11.92 | 9.33 | 11.70 | 11.75 | 10.17 | 10.50 | 11.17 |
| *SD* | 1.62 | 2.24 | 2.18 | 3.10 | 2.61 | 2.17 | 2.74 | 3.20 | 2.62 | 2.86 | 3.11 | 1.17 |

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| GVLT: Immediate cued recall  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 15.00 | 15.00 | 16.00 | . | . | . |
| *75* | 14.00 | 15.00 | 15.00 | 13.00 | 15.00 | 14.00 | 12.00 | 14.50 | 15.00 | . | . | . |
| 50 | 13.00 | 14.00 | 14.00 | 12.00 | 13.50 | 14.00 | 11.00 | 13.00 | 13.00 | . | . | . |
| *25* | 12.00 | 12.00 | 12.00 | 10.00 | 11.50 | 11.50 | 9.00 | 12.50 | 10.00 | . | . | . |
| *10* | 10.00 | 9.00 | 11.00 | 8.00 | 10.00 | 10.00 | 8.00 | 12.00 | 10.00 | . | . | . |
| *7.5 (Cut-off)* | 10.00 | 8.00 | 11.00 | 7.00 | 10.00 | 10.00 | 5.00 | 10.00 | 6.00 | . | . | . |
| *M* | 12.76 | 13.05 | 13.51 | 11.62 | 13.21 | 13.00 | 10.55 | 13.25 | 12.64 | 15.00 | 13.00 | . |
| *SD* | 2.08 | 2.47 | 2.03 | 2.66 | 2.04 | 1.96 | 2.66 | 1.48 | 3.04 | 1.41 | 1.41 | . |

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| GVLT: Delayed free recall  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 13.00 | 15.00 | 15.00 | 14.00 | 14.00 | 16.00 | 12.00 | 15.00 | 16.00 | . | . | . |
| *75* | 10.00 | 12.00 | 14.00 | 10.00 | 11.00 | 14.00 | 9.00 | 11.00 | 11.00 | . | . | . |
| 50 | 9.00 | 10.50 | 12.00 | 9.00 | 8.00 | 11.50 | 6.00 | 10.50 | 10.50 | . | . | . |
| *25* | 7.00 | 7.00 | 10.00 | 6.00 | 7.00 | 9.00 | 5.00 | 7.00 | 8.00 | . | . | . |
| *10* | 6.00 | 4.00 | 8.00 | 4.00 | 5.00 | 8.00 | 2.00 | 6.50 | 5.00 | . | . | . |
| *7.5 (Cut-off)* | 6.00 | 4.00 | 8.00 | 4.00 | 5.00 | 8.00 | 2.00 | 6.00 | 5.00 | . | . | . |
| *M* | 8.71 | 9.44 | 11.64 | 8.48 | 8.63 | 11.27 | 6.60 | 9.90 | 10.13 | 6.83 | 8.25 | 10.00 |
| *SD* | 2.37 | 3.56 | 2.60 | 3.37 | 2.94 | 3.19 | 3.31 | 2.73 | 2.92 | 2.79 | 3.69 | 1.90 |

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| GVLT: Delayed free recall  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 16.00 | 16.00 | 16.00 | 15.00 | 16.00 | 16.00 | 15.00 | 15.00 | 16.00 | . | . | . |
| *75* | 13.00 | 15.00 | 15.00 | 12.00 | 14.00 | 15.00 | 12.00 | 14.00 | 15.00 | . | . | . |
| 50 | 12.00 | 13.00 | 14.00 | 11.00 | 13.00 | 13.50 | 9.00 | 12.50 | 13.00 | . | . | . |
| *25* | 10.00 | 11.00 | 12.00 | 8.00 | 11.00 | 11.00 | 6.00 | 12.00 | 10.00 | . | . | . |
| *10* | 7.00 | 7.00 | 9.00 | 6.00 | 9.00 | 9.00 | 6.00 | 11.00 | 10.00 | . | . | . |
| *7.5 (Cut-off)* | 7.00 | 7.00 | 9.00 | 4.00 | 9.00 | 9.00 | 2.00 | 0.00 | 5.00 | . | . | . |
| *M* | 11.32 | 12.32 | 13.06 | 10.06 | 12.48 | 12.71 | 9.09 | 12.00 | 12.18 | 12.50 | 12.00 | . |
| *SD* | 2.73 | 2.90 | 2.29 | 3.23 | 2.52 | 2.42 | 3.70 | 4.00 | 3.25 | 0.71 | 0.00 | . |

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| GVLT: Delayed cued recall  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 14.00 | 16.00 | 16.00 | 14.00 | 15.00 | 15.00 | 15.00 | 16.00 | 16.00 | . | . | . |
| *75* | 12.00 | 13.00 | 15.00 | 14.00 | 13.00 | 14.00 | 12.00 | 12.00 | 14.50 | . | . | . |
| 50 | 10.00 | 11.00 | 13.00 | 10.00 | 10.00 | 12.00 | 10.00 | 11.00 | 12.00 | . | . | . |
| *25* | 9.00 | 10.00 | 11.00 | 8.00 | 9.00 | 10.00 | 7.00 | 10.00 | 10.00 | . | . | . |
| *10* | 9.00 | 7.00 | 9.00 | 6.00 | 7.00 | 9.00 | 7.00 | 7.00 | 8.00 | . | . | . |
| *7.5 (Cut-off)* | 9.00 | 7.00 | 9.00 | 6.00 | 7.00 | 9.00 | 7.00 | 6.00 | 8.00 | . | . | . |
| *M* | 10.65 | 11.44 | 12.68 | 10.23 | 10.59 | 11.92 | 10.07 | 11.10 | 12.06 | 9.50 | 10.25 | 11.50 |
| *SD* | 2.09 | 2.56 | 2.28 | 3.11 | 2.62 | 2.40 | 2.81 | 2.96 | 2.72 | 1.76 | 3.59 | 1.38 |

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| GVLT: Delayed cued recall  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 15.00 | 16.00 | 16.00 | . | . | . |
| *75* | 15.00 | 15.00 | 15.00 | 14.00 | 15.00 | 15.00 | 13.00 | 14.00 | 16.00 | . | . | . |
| 50 | 13.00 | 14.00 | 14.00 | 12.00 | 14.00 | 14.00 | 11.00 | 13.50 | 13.00 | . | . | . |
| *25* | 11.00 | 12.00 | 13.00 | 10.00 | 12.00 | 12.00 | 8.00 | 13.00 | 11.00 | . | . | . |
| *10* | 10.00 | 8.00 | 12.00 | 8.50 | 12.00 | 10.00 | 8.00 | 12.00 | 11.00 | . | . | . |
| *7.5 (Cut-off)* | 10.00 | 8.00 | 10.00 | 8.00 | 12.00 | 10.00 | 4.00 | 11.00 | 7.00 | . | . | . |
| *M* | 12.68 | 13.11 | 13.82 | 11.86 | 13.62 | 13.42 | 10.55 | 13.50 | 13.00 | 14.00 | 13.00 | . |
| *SD* | 2.44 | 2.59 | 1.88 | 2.76 | 1.74 | 2.04 | 3.08 | 1.31 | 2.90 | 1.41 | 1.41 | . |

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| GVLT: Recognition  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 15.00 | 16.00 | 16.00 | . | . | . |
| *75* | 16.00 | 15.00 | 16.00 | 16.00 | 16.00 | 16.00 | 14.00 | 15.00 | 16.00 | . | . | . |
| 50 | 15.00 | 15.00 | 15.00 | 14.00 | 15.00 | 15.00 | 14.00 | 15.00 | 15.00 | . | . | . |
| *25* | 14.00 | 14.00 | 14.00 | 13.00 | 13.00 | 14.00 | 12.00 | 15.00 | 14.00 | . | . | . |
| *10* | 13.00 | 12.00 | 13.00 | 11.00 | 12.00 | 13.00 | 11.00 | 12.00 | 14.00 | . | . | . |
| *7.5 (Cut-off)* | 13.00 | 12.00 | 13.00 | 10.00 | 12.00 | 12.00 | 11.00 | 11.00 | 14.00 | . | . | . |
| *M* | 14.53 | 14.31 | 14.89 | 13.84 | 14.33 | 14.96 | 13.33 | 14.60 | 14.93 | 14.83 | 11.50 | 14.67 |
| *SD* | 1.37 | 1.58 | 1.40 | 2.49 | 1.57 | 1.28 | 1.35 | 1.51 | 1.10 | 1.17 | 3.87 | 1.63 |

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| GVLT: Recognition  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=28 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | . | . | . |
| *75* | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 15.00 | 16.00 | 16.00 | . | . | . |
| 50 | 16.00 | 16.00 | 16.00 | 15.00 | 16.00 | 15.00 | 15.00 | 16.00 | 16.00 | . | . | . |
| *25* | 14.00 | 14.00 | 15.00 | 14.00 | 14.00 | 14.00 | 12.00 | 15.00 | 15.00 | . | . | . |
| *10* | 12.00 | 13.00 | 14.00 | 13.00 | 13.00 | 14.00 | 12.00 | 14.00 | 14.00 | . | . | . |
| *7.5 (Cut-off)* | 12.00 | 12.00 | 13.00 | 13.00 | 13.00 | 13.00 | 11.00 | 14.00 | 14.00 | . | . | . |
| *M* | 14.95 | 14.95 | 15.43 | 14.56 | 14.97 | 14.92 | 14.00 | 15.50 | 15.36 | 16.00 | 15.50 | . |
| *SD* | 1.49 | 1.72 | 1.21 | 2.21 | 1.32 | 1.10 | 1.61 | 0.80 | 0.81 | 0.00 | 0.71 | . |

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| GVLT: ISDA-Encoding deficit  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=15 | 7-12  n=16 | 13+  n=28 | 1-6  n=29 | 7-12  n=26 | 13+  n=25 | 1-6  n=14 | 7-12  n=7 | 13+  n=16 | 1-6  n=5 | 7-12  n=4 | 13+  n=6 |
| *95* | 12.00 | 10.00 | 10.00 | 11.00 | 12.00 | 10.00 | 11.00 | . | 12.00 | . | . | . |
| *75* | 8.00 | 8.00 | 6.50 | 10.00 | 9.00 | 7.00 | 10.00 | . | 8.50 | . | . | . |
| 50 | 7.00 | 6.50 | 5.50 | 7.00 | 8.00 | 6.00 | 8.50 | . | 5.00 | . | . | . |
| *25* | 6.00 | 5.00 | 2.50 | 6.00 | 6.00 | 4.00 | 5.00 | . | 4.00 | . | . | . |
| *10* | 6.00 | 3.00 | 0.00 | 4.00 | 1.00 | 0.00 | 3.00 | . | 1.00 | . | . | . |
| *7.5 (Cut-off)* | 6.00 | 3.00 | 0.00 | 4.00 | 0.00 | 0.00 | 3.00 | . | 1.00 | . | . | . |
| *M* | 7.33 | 6.25 | 4.89 | 7.38 | 6.96 | 5.56 | 7.43 | 8.00 | 5.69 | 10.00 | 7.25 | 6.17 |
| *SD* | 2.47 | 2.57 | 2.91 | 2.51 | 3.62 | 2.93 | 3.03 | 3.79 | 3.28 | 2.92 | 2.36 | 1.94 |

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| GVLT: ISDA-Encoding deficit  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=49 | 7-12  n=36 | 13+  n=49 | 1-6  n=40 | 7-12  n=27 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 9.00 | 8.00 | 9.00 | 11.00 | 8.00 | 9.00 | 13.00 | 6.00 | 7.00 | . | . | . |
| *75* | 7.00 | 5.50 | 5.00 | 8.00 | 6.00 | 4.00 | 9.00 | 4.50 | 7.00 | . | . | . |
| 50 | 5.00 | 4.00 | 4.00 | 6.00 | 4.00 | 3.00 | 8.00 | 2.50 | 5.00 | . | . | . |
| *25* | 3.00 | 2.00 | 2.00 | 4.00 | 2.00 | 2.00 | 5.00 | 2.00 | 1.00 | . | . | . |
| *10* | 2.00 | 0.00 | 1.00 | 1.50 | 1.00 | 1.00 | 3.00 | 2.00 | 1.00 | . | . | . |
| *7.5 (Cut-off)* | 1.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | . | . | . |
| *M* | 5.02 | 3.78 | 3.55 | 6.02 | 4.04 | 3.78 | 7.36 | 3.08 | 4.09 | 5.00 | 8.50 | . |
| *SD* | 2.65 | 2.46 | 2.42 | 3.18 | 2.65 | 2.56 | 3.56 | 1.83 | 2.63 | 4.24 | 0.71 | . |

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| GVLT: ISDA-Consolidation deficit  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=15 | 7-12  n=16 | 13+  n=28 | 1-6  n=29 | 7-12  n=26 | 13+  n=25 | 1-6  n=14 | 7-12  n=7 | 13+  n=16 | 1-6  n=5 | 7-12  n=4 | 13+  n=6 |
| *95* | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | . | 0.00 | . | . | . |
| *75* | 0.08 | 0.07 | 0.00 | 0.07 | 0.06 | 0.06 | 0.06 | . | 0.00 | . | . | . |
| 50 | 0.13 | 0.13 | 0.08 | 0.14 | 0.13 | 0.09 | 0.16 | . | 0.08 | . | . | . |
| *25* | 0.15 | 0.18 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 | . | 0.20 | . | . | . |
| *10* | 0.27 | 0.25 | 0.33 | 0.40 | 0.27 | 0.29 | 0.36 | . | 0.29 | . | . | . |
| *7.5 (Cut-off)* | 0.27 | 0.25 | 0.33 | 0.40 | 0.28 | 0.36 | 0.36 | . | 0.29 | . | . | . |
| *M* | 0.13 | 0.13 | 0.13 | 0.18 | 0.13 | 0.13 | 0.16 | 0.17 | 0.11 | 0.19 | 0.21 | 0.15 |
| *SD* | 0.09 | 0.09 | 0.16 | 0.14 | 0.11 | 0.11 | 0.13 | 0.20 | 0.11 | 0.11 | 0.13 | 0.03 |

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| GVLT: ISDA-Consolidation deficit  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=49 | 7-12  n=36 | 13+  n=49 | 1-6  n=40 | 7-12  n=27 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | . | . | . |
| *75* | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | . | . | . |
| 50 | 0.06 | 0.06 | 0.06 | 0.08 | 0.06 | 0.06 | 0.13 | 0.07 | 0.07 | . | . | . |
| *25* | 0.17 | 0.13 | 0.13 | 0.19 | 0.13 | 0.15 | 0.23 | 0.14 | 0.13 | . | . | . |
| *10* | 0.21 | 0.26 | 0.26 | 0.24 | 0.20 | 0.20 | 0.33 | 0.19 | 0.20 | . | . | . |
| *7.5 (Cut-off)* | 0.23 | 0.31 | 0.28 | 0.28 | 0.20 | 0.26 | 0.70 | 0.63 | 0.46 | . | . | . |
| *M* | 0.10 | 0.08 | 0.10 | 0.11 | 0.07 | 0.09 | 0.19 | 0.12 | 0.09 | 0.03 | 0.13 | . |
| *SD* | 0.15 | 0.10 | 0.17 | 0.10 | 0.08 | 0.09 | 0.19 | 0.17 | 0.14 | 0.04 | 0.10 | . |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GVLT: ISDA-Retrieval deficit  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=15 | 7-12  n=16 | 13+  n=28 | 1-6  n=29 | 7-12  n=26 | 13+  n=25 | 1-6  n=14 | 7-12  n=7 | 13+  n=16 | 1-6  n=5 | 7-12  n=4 | 13+  n=6 |
| *95* | 0.23 | 0.13 | 0.06 | 0.20 | 0.25 | 0.14 | 0.15 | . | 0.25 | . | . | . |
| *75* | 0.33 | 0.34 | 0.23 | 0.27 | 0.30 | 0.27 | 0.45 | . | 0.30 | . | . | . |
| 50 | 0.50 | 0.40 | 0.33 | 0.42 | 0.45 | 0.38 | 0.58 | . | 0.38 | . | . | . |
| *25* | 0.64 | 0.46 | 0.44 | 0.50 | 0.57 | 0.46 | 0.70 | . | 0.50 | . | . | . |
| *10* | 0.71 | 0.53 | 0.64 | 0.67 | 0.69 | 0.67 | 0.80 | . | 0.73 | . | . | . |
| *7.5 (Cut-off)* | 0.71 | 0.53 | 0.64 | 0.67 | 0.82 | 0.69 | 0.80 | . | 0.73 | . | . | . |
| *M* | 0.50 | 0.41 | 0.36 | 0.43 | 0.46 | 0.39 | 0.56 | 0.41 | 0.42 | 0.65 | 0.39 | 0.44 |
| *SD* | 0.19 | 0.16 | 0.20 | 0.18 | 0.19 | 0.19 | 0.19 | 0.23 | 0.17 | 0.14 | 0.14 | 0.11 |

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| GVLT: ISDA-Retrieval deficit  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=49 | 7-12  n=36 | 13+  n=49 | 1-6  n=40 | 7-12  n=27 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 0.12 | 0.06 | 0.00 | 0.16 | 0.00 | 0.06 | 0.06 | 0.07 | 0.00 | . | . | . |
| *75* | 0.27 | 0.20 | 0.18 | 0.31 | 0.25 | 0.18 | 0.20 | 0.18 | 0.19 | . | . | . |
| 50 | 0.38 | 0.31 | 0.25 | 0.41 | 0.33 | 0.27 | 0.46 | 0.28 | 0.29 | . | . | . |
| *25* | 0.50 | 0.37 | 0.40 | 0.50 | 0.40 | 0.46 | 0.56 | 0.41 | 0.47 | . | . | . |
| *10* | 0.57 | 0.53 | 0.57 | 0.75 | 0.64 | 0.60 | 0.57 | 0.63 | 0.60 | . | . | . |
| *7.5 (Cut-off)* | 0.57 | 0.53 | 0.60 | 0.80 | 0.64 | 0.60 | 0.62 | 0.81 | 0.73 | . | . | . |
| *M* | 0.38 | 0.30 | 0.28 | 0.43 | 0.33 | 0.31 | 0.40 | 0.33 | 0.33 | 0.31 | 0.54 | . |
| *SD* | 0.17 | 0.17 | 0.19 | 0.18 | 0.18 | 0.19 | 0.19 | 0.21 | 0.21 | 0.08 | 0.11 | . |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MCG: Copy condition  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | . | . | . |
| *75* | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 34.00 | 36.00 | 36.00 | . | . | . |
| 50 | 35.00 | 35.50 | 36.00 | 34.00 | 35.00 | 36.00 | 33.00 | 36.00 | 36.00 | . | . | . |
| *25* | 34.00 | 34.00 | 35.00 | 30.00 | 33.00 | 35.00 | 32.00 | 33.00 | 35.00 | . | . | . |
| *10* | 32.00 | 34.00 | 31.00 | 29.00 | 32.00 | 32.00 | 18.00 | 31.50 | 35.00 | . | . | . |
| *7.5 (Cut-off)* | 32.00 | 34.00 | 31.00 | 29.00 | 32.00 | 31.00 | 18.00 | 30.00 | 35.00 | . | . | . |
| *M* | 34.88 | 35.16 | 34.86 | 32.89 | 34.41 | 34.92 | 31.03 | 34.70 | 34.88 | 31.08 | 34.50 | 34.25 |
| *SD* | 1.41 | 0.96 | 2.73 | 3.49 | 1.95 | 1.76 | 6.65 | 2.06 | 3.20 | 5.02 | 1.73 | 1.60 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MCG: Copy condition  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | . | . | . |
| *75* | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | . | . | . |
| 50 | 36.00 | 36.00 | 36.00 | 35.00 | 36.00 | 36.00 | 32.00 | 36.00 | 36.00 | . | . | . |
| *25* | 35.00 | 35.00 | 36.00 | 33.00 | 35.00 | 36.00 | 28.00 | 36.00 | 35.00 | . | . | . |
| *10* | 31.00 | 34.00 | 35.00 | 31.00 | 33.00 | 35.00 | 26.50 | 34.00 | 32.50 | . | . | . |
| *7.5 (Cut-off)* | 31.00 | 33.00 | 35.00 | 28.00 | 33.00 | 34.00 | 23.00 | 32.00 | 31.00 | . | . | . |
| *M* | 34.68 | 35.21 | 35.71 | 33.76 | 35.07 | 35.57 | 31.77 | 35.50 | 35.10 | 33.00 | 34.00 | . |
| *SD* | 2.25 | 2.22 | 0.89 | 3.24 | 2.19 | 1.12 | 4.43 | 1.24 | 1.60 | 4.24 | 0.00 | . |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MCG: Copy condition percentage (% max 36)  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | . | . | . |
| *75* | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 94.44 | 100.00 | 100.00 | . | . | . |
| 50 | 97.22 | 98.61 | 100.00 | 94.44 | 97.22 | 100.00 | 91.67 | 100.00 | 100.00 | . | . | . |
| *25* | 94.44 | 94.44 | 97.22 | 83.33 | 91.67 | 97.22 | 88.89 | 91.67 | 97.22 | . | . | . |
| *10* | 88.89 | 94.44 | 86.11 | 80.56 | 88.89 | 88.89 | 50.00 | 87.50 | 97.22 | . | . | . |
| *7.5 (Cut-off)* | 88.89 | 94.44 | 86.11 | 80.56 | 88.89 | 86.11 | 50.00 | 83.33 | 97.22 | . | . | . |
| *M* | 96.89 | 97.66 | 96.83 | 91.35 | 95.58 | 97.01 | 86.2 | 96.39 | 96.87 | 86.34 | 95.83 | 95.14 |
| *SD* | 3.91 | 2.67 | 7.59 | 9.70 | 5.41 | 4.90 | 18.47 | 5.72 | 8.89 | 13.95 | 4.81 | 4.46 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MCG: Copy condition percentage (% max 36)  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | . | . | . |
| *75* | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | . | . | . |
| 50 | 100.00 | 100.00 | 100.00 | 97.22 | 100.00 | 100.00 | 88.89 | 100.00 | 100.00 | . | . | . |
| *25* | 97.22 | 97.22 | 100.00 | 91.67 | 97.22 | 100.00 | 77.78 | 100.00 | 97.22 | . | . | . |
| *10* | 86.11 | 94.44 | 97.22 | 86.11 | 91.67 | 97.22 | 73.61 | 94.44 | 90.28 | . | . | . |
| *7.5 (Cut-off)* | 86.11 | 91.67 | 97.22 | 77.78 | 91.67 | 94.44 | 63.89 | 88.89 | 86.11 | . | . | . |
| *M* | 96.33 | 97.81 | 99.21 | 93.78 | 97.41 | 98.79 | 88.26 | 98.61 | 97.50 | 91.66 | 94.44 | . |
| *SD* | 6.26 | 6.17 | 2.47 | 8.99 | 6.07 | 3.11 | 12.32 | 3.45 | 4.43 | 11.79 | 0.00 | . |

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| MCG: Immediate recall | | | | | | | | | | | | |
|  | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=76 | 7-12  n=54 | 13+  n=77 | 1-6  n=81 | 7-12  n=55 | 13+  n=49 | 1-6  n=26 | 7-12  n=22 | 13+  n=26 | 1-6  n=8 | 7-12  n=6 | 13+  n=6 |
| *95* | 27.00 | 34.00 | 34.00 | 27.00 | 33.00 | 33.00 | 27.00 | 27.00 | 30.00 | . | . | . |
| *75* | 22.50 | 28.00 | 29.00 | 21.00 | 25.00 | 26.00 | 17.00 | 22.00 | 24.00 | . | . | . |
| 50 | 17.25 | 19.00 | 23.00 | 16.00 | 20.00 | 23.00 | 14.50 | 20.00 | 21.00 | . | . | . |
| *25* | 13.75 | 16.00 | 19.00 | 10.00 | 15.00 | 19.50 | 8.50 | 16.50 | 18.00 | . | . | . |
| *10* | 10.00 | 10.00 | 15.00 | 8.50 | 12.00 | 13.00 | 4.50 | 14.00 | 12.00 | . | . | . |
| *7.5 (Cut-off)* | 9.50 | 10.00 | 14.50 | 7.00 | 11.00 | 13.00 | 4.00 | 14.00 | 11.50 | . | . | . |
| *M* | 17.67 | 21.16 | 23.27 | 15.80 | 20.12 | 22.94 | 14.04 | 19.75 | 20.94 | 12.56 | 16.67 | 22.42 |
| *SD* | 5.81 | 7.79 | 6.66 | 6.76 | 7.23 | 6.51 | 6.88 | 4.73 | 5.38 | 7.67 | 4.29 | 6.07 |

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| MCG: Immediate recall percentage (% max of copy condition score) | | | | | | | | | | | | |
| Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 79.17 | 94.29 | 94.44 | 82.35 | 91.67 | 100 | 78.57 | 86.11 | 83.33 | . | . | . |
| *75* | 66.67 | 85.41 | 74.04 | 71.43 | 72.73 | 79.41 | 61.43 | 60.61 | 67.62 | . | . | . |
| 50 | 58.82 | 57.42 | 67.71 | 53.49 | 55.81 | 70.02 | 48.53 | 57.74 | 56.29 | . | . | . |
| *25* | 44.44 | 45.14 | 58.33 | 37.04 | 43.75 | 55.56 | 29.41 | 47.22 | 50 | . | . | . |
| *10* | 27.78 | 27.78 | 50 | 31.03 | 18.06 | 43.75 | 13.64 | 36.49 | 48.61 | . | . | . |
| *7.5 (Cut-off)* | 27.78 | 27.78 | 50 | 30 | 15.52 | 41.94 | 13.64 | 30.56 | 48.61 | . | . | . |
| *M* | 55.15 | 60.61 | 67.85 | 53.65 | 56.47 | 67.65 | 45.45 | 55.91 | 59.87 | 35.47 | 46.85 | 65.33 |
| *SD* | 17.17 | 23.1 | 14.71 | 19.49 | 24.34 | 17.53 | 20.28 | 14.47 | 11.17 | 23.65 | 11.95 | 16.65 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MCG: Immediate recall percentage (% max of copy condition score) | | | | | | | | | | | | |
| Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 75.00 | 100.00 | 94.44 | 75.00 | 80.56 | 91.67 | 75.00 | 75.00 | 86.11 | . | . | . |
| *75* | 58.33 | 74.29 | 80.56 | 54.55 | 66.67 | 72.22 | 50.00 | 65.28 | 77.14 | . | . | . |
| 50 | 47.22 | 55.91 | 63.89 | 45.14 | 61.11 | 63.89 | 43.48 | 54.17 | 59.03 | . | . | . |
| *25* | 38.89 | 45.71 | 47.22 | 26.39 | 47.14 | 51.39 | 26.56 | 46.36 | 52.94 | . | . | . |
| *10* | 27.78 | 40.28 | 40.28 | 23.70 | 37.50 | 41.94 | 23.61 | 41.67 | 30.56 | . | . | . |
| *7.5 (Cut-off)* | 27.14 | 23.61 | 40.28 | 20.59 | 37.50 | 27.78 | 14.29 | 41.18 | 27.78 | . | . | . |
| *M* | 49.53 | 59.63 | 64.25 | 43.01 | 58.78 | 61.58 | 42.44 | 56.30 | 59.78 | 46.39 | 51.47 | . |
| *SD* | 15.73 | 20.93 | 19.76 | 17.80 | 15.47 | 17.28 | 17.76 | 11.51 | 19.16 | 14.54 | 14.55 | . |

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| MCG: Delayed recall | | | | | | | | | | | | |
| Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=27 | 1-6  n=31 | 7-12  n=26 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 28.50 | 35.00 | 34.00 | 30.00 | 34.00 | 36.00 | 25.50 | 34.00 | 27.00 | . | . | . |
| *75* | 20.00 | 26.00 | 26.00 | 24.00 | 24.00 | 27.00 | 17.00 | 21.00 | 21.50 | . | . | . |
| 50 | 18.00 | 21.00 | 23.00 | 16.50 | 19.25 | 24.00 | 13.00 | 18.75 | 19.00 | . | . | . |
| *25* | 15.00 | 16.00 | 20.00 | 10.00 | 16.00 | 18.00 | 6.50 | 16.00 | 15.50 | . | . | . |
| *10* | 9.00 | 10.50 | 15.00 | 7.50 | 7.50 | 11.00 | 2.50 | 10.50 | 10.50 | . | . | . |
| *7.5 (Cut-off)* | 9.00 | 10.50 | 15.00 | 4.00 | 5.00 | 11.00 | 2.50 | 8.00 | 10.50 | . | . | . |
| *M* | 17.59 | 21.03 | 23.28 | 16.55 | 19.17 | 22.90 | 12.10 | 19.00 | 18.50 | 10.58 | 13.88 | 15.75 |
| *SD* | 5.29 | 6.96 | 5.93 | 8.23 | 8.26 | 6.89 | 7.31 | 6.80 | 5.20 | 8.92 | 3.52 | 6.31 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MCG: Delayed recall | | | | | | | | | | | | |
| Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 24.00 | 34.00 | 34.00 | 22.00 | 26.50 | 32.00 | 27.00 | 26.00 | 29.00 | . | . | . |
| *75* | 19.00 | 24.00 | 27.00 | 17.50 | 23.00 | 25.00 | 16.50 | 22.00 | 25.00 | . | . | . |
| 50 | 16.00 | 18.50 | 21.00 | 13.00 | 18.00 | 21.00 | 14.00 | 17.75 | 17.00 | . | . | . |
| *25* | 11.00 | 15.00 | 17.00 | 9.00 | 13.50 | 16.00 | 7.50 | 14.50 | 12.50 | . | . | . |
| *10* | 7.00 | 9.00 | 13.00 | 6.00 | 11.00 | 14.00 | 7.50 | 14.00 | 9.25 | . | . | . |
| *7.5 (Cut-off)* | 5.00 | 8.00 | 11.00 | 6.00 | 11.00 | 13.00 | 0.00 | 13.00 | 9.00 | . | . | . |
| *M* | 15.27 | 19.34 | 21.77 | 13.33 | 18.48 | 20.89 | 12.95 | 18.46 | 18.30 | 17.00 | 13.00 | . |
| *SD* | 6.47 | 7.27 | 6.95 | 5.71 | 5.86 | 6.34 | 7.01 | 4.60 | 7.52 | 7.07 | 0.00 | . |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MCG: Delayed recall percentage (% max of copy condition score) | | | | | | | | | | | | |
| Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 79.17 | 100.00 | 94.44 | 88.89 | 94.44 | 100.00 | 72.86 | 94.44 | 75.00 | . | . | . |
| *75* | 58.33 | 74.35 | 72.22 | 71.43 | 68.57 | 77.78 | 52.00 | 62.50 | 61.43 | . | . | . |
| 50 | 50.00 | 58.34 | 66.67 | 47.22 | 55.95 | 66.67 | 40.91 | 56.19 | 52.78 | . | . | . |
| *25* | 44.12 | 45.75 | 58.33 | 31.67 | 44.44 | 50.00 | 19.12 | 48.48 | 45.05 | . | . | . |
| *10* | 25.00 | 31.34 | 42.86 | 25.86 | 25.00 | 37.93 | 13.89 | 29.17 | 41.67 | . | . | . |
| *7.5 (Cut-off)* | 25.00 | 31.34 | 42.86 | 13.79 | 13.89 | 34.38 | 13.89 | 22.22 | 41.67 | . | . | . |
| *M* | 50.40 | 59.78 | 66.51 | 49.52 | 55.29 | 65.09 | 38.72 | 54.81 | 52.94 | 31.02 | 40.00 | 45.96 |
| *SD* | 14.63 | 19.74 | 15.30 | 23.39 | 22.54 | 18.23 | 20.60 | 18.85 | 13.58 | 25.17 | 8.59 | 17.94 |
|  | | | | | | | | | | | | |
| MCG: Delayed recall percentage (% max of copy condition score)  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 70.59 | 94.44 | 94.44 | 62.86 | 77.94 | 88.89 | 75.00 | 72.22 | 82.86 | . | . | . |
| *75* | 52.78 | 69.44 | 77.14 | 50.00 | 63.89 | 69.44 | 51.39 | 61.12 | 71.43 | . | . | . |
| 50 | 45.83 | 52.96 | 58.33 | 38.45 | 51.43 | 58.33 | 41.43 | 49.31 | 50.00 | . | . | . |
| *25* | 30.56 | 42.86 | 47.22 | 26.39 | 41.67 | 45.71 | 26.79 | 41.67 | 36.76 | . | . | . |
| *10* | 19.44 | 25.00 | 37.14 | 18.47 | 33.33 | 41.94 | 20.83 | 38.89 | 25.70 | . | . | . |
| *7.5 (Cut-off)* | 17.31 | 22.86 | 31.43 | 17.14 | 33.33 | 38.89 | 0.00 | 38.24 | 25.00 | . | . | . |
| *M* | 43.71 | 54.92 | 60.89 | 39.33 | 52.66 | 58.53 | 40.47 | 51.86 | 52.32 | 53.33 | 38.24 | . |
| *SD* | 17.73 | 20.09 | 19.16 | 15.98 | 16.20 | 17.18 | 19.53 | 12.19 | 21.52 | 28.28 | 0.00 | . |

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| MCG: Recognition | | | | | | | | | | | | |
| Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=4 | 7-12  n=5 | 13+  n=13 | 1-6  n=11 | 7-12  n=8 | 13+  n=10 | 1-6  n=4 | 7-12  n=2 | 13+  n=3 | 1-6  n=3 | 7-12  n=0 | 13+  n=2 |
| *95* | . | . | 21.00 | 21.00 | . | 23.00 | . | . | . | . | . | . |
| *75* | . | . | 20.00 | 20.00 | . | 21.00 | . | . | . | . | . | . |
| 50 | . | . | 19.00 | 19.00 | . | 18.50 | . | . | . | . | . | . |
| *25* | . | . | 18.00 | 16.00 | . | 17.00 | . | . | . | . | . | . |
| *10* | . | . | 17.00 | 16.00 | . | 14.50 | . | . | . | . | . | . |
| *7.5 (Cut-off)* | . | . | 16.00 | 15.00 | . | 14.00 | . | . | . | . | . | . |
| *M* | 17.25 | 19.00 | 19.00 | 18.36 | 19.13 | 18.60 | 16.75 | 19.00 | 20.00 | 18.33 | . | 17.50 |
| *SD* | 0.96 | 1.22 | 1.68 | 2.20 | 2.75 | 2.95 | 0.96 | 1.41 | 1.73 | 1.53 | . | 2.12 |
|  | | | | | | | | | | | | |
| MCG: Recognition | | | | | | | | | | | | |
| Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=15 | 7-12  n=16 | 13+  n=18 | 1-6  n=8 | 7-12  n=15 | 13+  n=5 | 1-6  n=4 | 7-12  n=2 | 13+  n=6 | 1-6  n=0 | 7-12  n=1 | 13+  n=0 |
| *95* | 20.00 | 22.00 | 23.00 | . | 20.00 | . | . | . | . | . | . | . |
| *75* | 19.00 | 20.00 | 21.00 | . | 19.00 | . | . | . | . | . | . | . |
| 50 | 17.00 | 18.00 | 19.00 | . | 18.00 | . | . | . | . | . | . | . |
| *25* | 15.00 | 16.00 | 17.00 | . | 17.00 | . | . | . | . | . | . | . |
| *10* | 14.00 | 13.00 | 16.00 | . | 15.00 | . | . | . | . | . | . | . |
| *7.5 (Cut-off)* | 14.00 | 13.00 | 16.00 | . | 15.00 | . | . | . | . | . | . | . |
| *M* | 16.87 | 17.40 | 18.78 | 16.25 | 17.73 | 17.80 | 17.00 | 18.00 | 17.17 | . | 17.00 | . |
| *SD* | 2.53 | 2.95 | 2.56 | 2.66 | 1.49 | 0.84 | 2.71 | 0.00 | 1.17 | . | . | . |

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| Judgment of line orientation (max=10)  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 10.00 | 9.00 | 10.00 | 9.00 | 10.00 | 10.00 | 8.00 | 10.00 | 10.00 | . | . | . |
| *75* | 8.00 | 8.00 | 9.50 | 8.00 | 8.00 | 9.00 | 6.00 | 9.00 | 9.00 | . | . | . |
| 50 | 7.00 | 6.50 | 8.00 | 6.00 | 7.00 | 8.00 | 5.00 | 8.50 | 8.00 | . | . | . |
| *25* | 6.00 | 5.50 | 8.00 | 5.00 | 5.00 | 7.00 | 5.00 | 7.00 | 7.00 | . | . | . |
| *10* | 2.00 | 4.00 | 6.00 | 4.00 | 4.00 | 6.00 | 4.00 | 5.00 | 5.00 | . | . | . |
| *7.5 (Cut-off)* | 2.00 | 4.00 | 6.00 | 3.00 | 4.00 | 5.00 | 4.00 | 5.00 | 5.00 | . | . | . |
| *M* | 6.65 | 6.69 | 8.25 | 6.06 | 6.70 | 7.73 | 5.43 | 8.00 | 7.56 | 6.17 | 6.25 | 7.83 |
| *SD* | 2.21 | 1.82 | 1.48 | 2.11 | 2.03 | 1.34 | 1.55 | 1.83 | 2.16 | 2.93 | 3.10 | 1.83 |

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| Judgment of line orientation (max=10)  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=49 | 7-12  n=28 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 10.00 | 9.00 | 9.00 | 9.00 | 9.00 | 10.00 | 8.00 | 10.00 | 10.00 | . | . | . |
| *75* | 8.00 | 8.00 | 7.00 | 7.00 | 8.00 | 9.00 | 7.00 | 7.00 | 6.00 | . | . | . |
| 50 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 7.00 | 5.00 | 6.00 | 5.00 | . | . | . |
| *25* | 5.00 | 5.00 | 5.00 | 4.00 | 5.00 | 6.00 | 4.00 | 4.50 | 4.00 | . | . | . |
| *10* | 2.00 | 3.00 | 4.00 | 3.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | . | . | . |
| *7.5 (Cut-off)* | 2.00 | 2.00 | 4.00 | 2.00 | 4.00 | 4.00 | 1.00 | 3.00 | 4.00 | . | . | . |
| *M* | 6.27 | 5.97 | 6.27 | 5.65 | 6.29 | 7.22 | 5.18 | 6.00 | 5.45 | 2.50 | 5.50 | . |
| *SD* | 2.29 | 2.13 | 1.53 | 2.07 | 1.85 | 2.23 | 2.38 | 1.86 | 1.94 | 2.64 | 0.58 | 2.08 |

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| Trail Making Test-Part Α | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=76 | 7-12  n=54 | 13+  n=77 | 1-6  n=79 | 7-12  n=56 | 13+  n=49 | 1-6  n=25 | 7-12  n=22 | 13+  n=26 | 1-6  n=7 | 7-12  n=5 | 13+  n=6 |
| *95* | 39.00 | 26.70 | 25.00 | 37.00 | 30.00 | 28.28 | 52.00 | 37.00 | 40.05 | . | . | . |
| *75* | 51.15 | 37.78 | 38.00 | 57.00 | 41.50 | 43.00 | 75.20 | 50.60 | 45.00 | . | . | . |
| 50 | 61.00 | 50.00 | 44.00 | 69.00 | 54.00 | 50.00 | 94.00 | 62.00 | 54.50 | . | . | . |
| *25* | 80.00 | 62.00 | 57.00 | 98.00 | 75.50 | 63.00 | 122.00 | 81.66 | 79.00 | . | . | . |
| *10* | 116.00 | 87.00 | 71.00 | 118.00 | 88.00 | 76.00 | 157.00 | 101.00 | 92.00 | . | . | . |
| *7.5 (Cut-off)* | 125.00 | 88.00 | 72.00 | 124.00 | 89.00 | 81.00 | 157.00 | 106.00 | 100.00 | . | . | . |
| *M* | 69.67 | 52.74 | 48.65 | 78.35 | 59.77 | 52.55 | 99.69 | 69.38 | 62.78 | 104.57 | 70.20 | 64.94 |
| *SD* | 28.21 | 20.33 | 16.93 | 28.85 | 22.19 | 15.37 | 34.39 | 30.38 | 20.87 | 23.24 | 14.96 | 19.12 |

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| Trail Making Test-Part B | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=62 | 7-12  n=53 | 13+  n=77 | 1-6  n=49 | 7-12  n=49 | 13+  n=47 | 1-6  n=13 | 7-12  n=19 | 13+  n=25 | 1-6  n=3 | 7-12  n=4 | 13+  n=6 |
| *95* | 100.00 | 60.64 | 42.00 | 104.00 | 52.00 | 55.12 | 106.00 | 55.00 | 62.00 | . | . | . |
| *75* | 135.00 | 80.00 | 70.00 | 161.00 | 120.00 | 85.00 | 195.00 | 101.00 | 93.98 | . | . | . |
| 50 | 155.00 | 101.00 | 94.00 | 202.00 | 148.00 | 115.00 | 246.00 | 157.00 | 125.00 | . | . | . |
| *25* | 203.00 | 142.00 | 118.00 | 242.00 | 200.00 | 143.00 | 280.00 | 214.00 | 150.00 | . | . | . |
| *10* | 243.00 | 180.00 | 150.00 | 253.00 | 238.00 | 180.00 | 294.00 | 242.00 | 212.00 | . | . | . |
| *7.5 (Cut-off)* | 251.00 | 194.00 | 175.30 | 254.00 | 246.00 | 187.00 | 295.00 | 242.00 | 266.00 | . | . | . |
| *M* | 168.41 | 115.66 | 99.66 | 194.24 | 155.69 | 116.97 | 229.26 | 159.93 | 133.68 | 230.33 | 169.00 | 171.76 |
| *SD* | 51.68 | 46.63 | 41.21 | 51.31 | 55.58 | 40.41 | 65.34 | 64.97 | 58.27 | 71.32 | 76.33 | 75.16 |

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| Trail Making Test ratio Part B:Part A | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=62 | 7-12  n=53 | 13+  n=77 | 1-6  n=49 | 7-12  n=49 | 13+  n=45 | 1-6  n=13 | 7-12  n=19 | 13+  n=25 | 1-6  n=3 | 7-12  n=4 | 13+  n=6 |
| *95* | 1.40 | 1.30 | 1.15 | 1.80 | 1.33 | 1.29 | 1.04 | 1.33 | 1.15 | . | . | . |
| *75* | 2.09 | 1.77 | 1.61 | 2.16 | 2.13 | 1.72 | 1.86 | 1.68 | 1.57 | . | . | . |
| *50* | 2.72 | 2.19 | 1.92 | 2.75 | 2.77 | 2.21 | 2.80 | 2.53 | 2.06 | . | . | . |
| *25* | 3.31 | 2.66 | 2.53 | 3.39 | 3.48 | 2.67 | 3.13 | 3.32 | 2.62 | . | . | . |
| *10* | 3.89 | 3.50 | 3.36 | 3.89 | 4.53 | 3.07 | 4.03 | 4.35 | 3.03 | . | . | . |
| *7.5* | 4.04 | 4.16 | 3.45 | 3.95 | 4.62 | 3.58 | 4.10 | 4.35 | 3.37 | . | . | . |
| *M* | 2.74 | 2.34 | 2.13 | 2.83 | 2.91 | 2.29 | 2.61 | 2.75 | 2.19 | 2.15 | 2.49 | 2.68 |
| *SD* | 0.88 | 0.87 | 0.79 | 0.82 | 1.11 | 0.76 | 0.96 | 1.32 | 0.92 | 0.09 | 0.77 | 1.09 |

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| Verbal fluency: Semantic (objects)  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=31 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 26.00 | 25.00 | 24.00 | 24.00 | 26.00 | 27.00 | 24.00 | 28.00 | 31.00 | . | . | . |
| *75* | 19.00 | 19.00 | 20.50 | 18.00 | 19.00 | 21.00 | 16.00 | 25.00 | 20.50 | . | . | . |
| 50 | 15.00 | 16.50 | 18.00 | 16.00 | 17.00 | 18.50 | 13.00 | 17.00 | 18.00 | . | . | . |
| *25* | 14.00 | 11.50 | 14.00 | 14.00 | 15.00 | 16.00 | 12.00 | 12.00 | 15.50 | . | . | . |
| *10* | 11.00 | 8.00 | 12.00 | 11.00 | 13.00 | 13.00 | 12.00 | 10.00 | 14.00 | . | . | . |
| *7.5 (Cut-off)* | 11.00 | 8.00 | 12.00 | 11.00 | 13.00 | 10.00 | 12.00 | 9.00 | 14.00 | . | . | . |
| *M* | 16.24 | 15.69 | 17.14 | 16.39 | 17.67 | 18.88 | 14.53 | 18.30 | 18.44 | 15.17 | 15.50 | 16.50 |
| *SD* | 3.78 | 5.20 | 4.39 | 3.91 | 3.94 | 4.72 | 3.48 | 6.58 | 4.37 | 3.71 | 2.65 | 2.26 |

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| Verbal fluency: Semantic (objects)  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 28.00 | 27.00 | 26.00 | 25.00 | 26.00 | 26.00 | 21.00 | 24.00 | 26.00 | . | . | . |
| *75* | 21.00 | 22.00 | 23.00 | 21.00 | 20.00 | 22.50 | 18.00 | 22.50 | 22.00 | . | . | . |
| 50 | 18.00 | 18.50 | 19.00 | 17.00 | 18.00 | 20.00 | 15.00 | 17.50 | 19.00 | . | . | . |
| *25* | 14.00 | 17.00 | 16.00 | 14.00 | 15.00 | 17.00 | 9.00 | 16.00 | 17.00 | . | . | . |
| *10* | 12.00 | 16.00 | 13.00 | 11.00 | 14.00 | 16.00 | 9.00 | 9.00 | 13.00 | . | . | . |
| *7.5 (Cut-off)* | 12.00 | 15.00 | 13.00 | 9.00 | 14.00 | 14.00 | 7.00 | 8.00 | 13.00 | . | . | . |
| *M* | 18.34 | 19.37 | 19.37 | 17.08 | 18.24 | 20.42 | 14.36 | 17.67 | 19.09 | 13.50 | 17.00 | . |
| *SD* | 5.01 | 3.43 | 4.85 | 4.83 | 4.00 | 4.48 | 4.63 | 5.18 | 4.06 | 2.12 | 1.41 | . |

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| Verbal fluency: Phonological (letter “A”)  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=17 | 7-12  n=16 | 13+  n=28 | 1-6  n=30 | 7-12  n=27 | 13+  n=26 | 1-6  n=15 | 7-12  n=10 | 13+  n=16 | 1-6  n=6 | 7-12  n=4 | 13+  n=6 |
| *95* | 11.00 | 16.00 | 19.00 | 12.00 | 19.00 | 18.00 | 13.00 | 18.00 | 19.00 | . | . | . |
| *75* | 7.00 | 11.00 | 17.00 | 8.00 | 11.00 | 15.00 | 9.00 | 11.00 | 15.00 | . | . | . |
| 50 | 6.00 | 7.00 | 13.50 | 5.00 | 8.00 | 11.00 | 6.00 | 10.50 | 12.50 | . | . | . |
| *25* | 4.00 | 5.50 | 9.00 | 2.00 | 5.00 | 9.00 | 3.00 | 7.00 | 9.50 | . | . | . |
| *10* | 3.00 | 3.00 | 7.00 | 0.50 | 3.00 | 8.00 | 2.00 | 4.50 | 8.00 | . | . | . |
| *7.5 (Cut-off)* | 3.00 | 3.00 | 7.00 | 0.00 | 3.00 | 6.00 | 2.00 | 3.00 | 8.00 | . | . | . |
| *M* | 5.71 | 8.00 | 13.14 | 5.30 | 8.52 | 11.69 | 6.27 | 9.80 | 12.56 | 4.00 | 8.00 | 7.33 |
| *SD* | 2.23 | 4.15 | 4.34 | 3.92 | 4.34 | 3.86 | 3.35 | 4.02 | 3.92 | 3.85 | 2.94 | 4.80 |

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| Verbal fluency: Phonological (letter “A”)  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=59 | 7-12  n=38 | 13+  n=49 | 1-6  n=50 | 7-12  n=29 | 13+  n=24 | 1-6  n=11 | 7-12  n=12 | 13+  n=11 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 14.00 | 17.00 | 21.00 | 12.00 | 19.00 | 19.00 | 11.00 | 17.00 | 19.00 | . | . | . |
| *75* | 10.00 | 14.00 | 15.00 | 8.00 | 13.00 | 13.50 | 8.00 | 12.00 | 17.00 | . | . | . |
| 50 | 7.00 | 10.00 | 13.00 | 5.00 | 9.00 | 11.00 | 6.00 | 10.00 | 15.00 | . | . | . |
| *25* | 4.00 | 7.00 | 10.00 | 4.00 | 6.00 | 6.00 | 3.00 | 7.00 | 14.00 | . | . | . |
| *10* | 2.00 | 6.00 | 8.00 | 3.00 | 3.00 | 4.00 | 3.00 | 5.00 | 9.00 | . | . | . |
| *7.5 (Cut-off)* | 2.00 | 5.00 | 6.00 | 3.00 | 3.00 | 4.00 | 1.00 | 4.00 | 7.00 | . | . | . |
| *M* | 6.95 | 10.63 | 12.80 | 5.90 | 9.48 | 10.54 | 5.82 | 9.67 | 14.55 | 9.50 | 5.50 | . |
| *SD* | 3.80 | 3.72 | 4.59 | 3.15 | 4.89 | 4.83 | 2.86 | 3.75 | 3.64 | 10.61 | 0.71 | . |

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| Boston Naming Test-Short form | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=76 | 7-12  n=54 | 13+  n=77 | 1-6  n=81 | 7-12  n=56 | 13+  n=50 | 1-6  n=26 | 7-12  n=22 | 13+  n=27 | 1-6  n=8 | 7-12  n=6 | 13+  n=6 |
| *95* | 15.00 | 15.00 | 15.00 | 14.00 | 15.00 | 15.00 | 13.00 | 15.00 | 15.00 | . | . | . |
| *75* | 13.00 | 15.00 | 15.00 | 12.00 | 14.00 | 15.00 | 11.00 | 14.00 | 15.00 | . | . | . |
| 50 | 11.00 | 14.00 | 14.00 | 10.00 | 13.00 | 14.00 | 9.50 | 13.00 | 14.00 | . | . | . |
| *25* | 9.00 | 12.00 | 14.00 | 9.00 | 11.00 | 13.00 | 8.00 | 11.00 | 13.00 | . | . | . |
| *10* | 8.00 | 10.00 | 12.00 | 8.00 | 10.00 | 12.00 | 6.00 | 9.00 | 12.00 | . | . | . |
| *7.5 (Cut-off)* | 8.00 | 10.00 | 12.00 | 8.00 | 9.00 | 11.00 | 5.00 | 8.00 | 12.00 | . | . | . |
| *M* | 11.18 | 13.35 | 14.05 | 10.27 | 12.34 | 13.84 | 9.54 | 12.32 | 13.52 | 9.13 | 12.17 | 12.17 |
| *SD* | 2.38 | 1.82 | 1.28 | 2.04 | 2.16 | 1.42 | 2.70 | 2.32 | 1.53 | 2.70 | 1.72 | 1.72 |

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| BDAE sentence comprehension | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=75 | 7-12  n=54 | 13+  n=77 | 1-6  n=80 | 7-12  n=56 | 13+  n=50 | 1-6  n=26 | 7-12  n=22 | 13+  n=26 | 1-6  n=8 | 7-12  n=6 | 13+  n=6 |
| *95* | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | . | . | . |
| *75* | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | . | . | . |
| 50 | 12.00 | 12.00 | 12.00 | 11.50 | 12.00 | 12.00 | 11.00 | 12.00 | 12.00 | . | . | . |
| *25* | 11.00 | 12.00 | 12.00 | 10.00 | 11.00 | 12.00 | 10.00 | 11.00 | 12.00 | . | . | . |
| *10* | 9.00 | 10.00 | 11.00 | 9.00 | 11.00 | 11.00 | 8.00 | 11.00 | 12.00 | . | . | . |
| *7.5 (Cut-off)* | 9.00 | 10.00 | 11.00 | 9.00 | 11.00 | 11.00 | 7.00 | 11.00 | 12.00 | . | . | . |
| *M* | 11.16 | 11.57 | 11.83 | 10.95 | 11.61 | 11.78 | 10.81 | 11.45 | 11.96 | 11.12 | 11.67 | 11.83 |
| *SD* | 1.27 | 0.92 | 0.50 | 1.40 | 0.68 | 0.55 | 1.60 | 1.30 | 0.20 | 1.64 | 0.82 | 0.41 |

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| BDAE Repetition (words and phrases) | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=76 | 7-12  n=54 | 13+  n=77 | 1-6  n=81 | 7-12  n=56 | 13+  n=50 | 1-6  n=26 | 7-12  n=22 | 13+  n=27 | 1-6  n=8 | 7-12  n=6 | 13+  n=6 |
| *95* | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | . | . | . |
| *75* | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | . | . | . |
| 50 | 5.00 | 6.00 | 6.00 | 5.00 | 5.50 | 6.00 | 5.00 | 6.00 | 6.00 | . | . | . |
| *25* | 4.00 | 5.00 | 6.00 | 4.00 | 4.50 | 6.00 | 4.00 | 5.00 | 6.00 | . | . | . |
| *10* | 3.00 | 4.00 | 5.00 | 3.00 | 3.00 | 5.00 | 3.00 | 4.00 | 5.00 | . | . | . |
| *7.5 (Cut-off)* | 3.00 | 4.00 | 5.00 | 3.00 | 3.00 | 5.00 | 2.00 | 3.00 | 5.00 | . | . | . |
| *M* | 4.86 | 5.57 | 5.84 | 4.74 | 5.14 | 5.78 | 4.50 | 5.32 | 5.74 | 4.13 | 4.83 | 6.00 |
| *SD* | 1.25 | 0.72 | 0.43 | 1.14 | 1.03 | 0.46 | 1.39 | 1.29 | 0.71 | 1.36 | 0.75 | 0.00 |

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| Repetition of anomalous sentences  Men | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=10 | 7-12  n=16 | 13+  n=27 | 1-6  n=23 | 7-12  n=25 | 13+  n=26 | 1-6  n=14 | 7-12  n=7 | 13+  n=14 | 1-6  n=5 | 7-12  n=3 | 13+  n=6 |
| *95* | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | . | 14.00 | . | . | . |
| *75* | 14.00 | 14.00 | 14.00 | 13.00 | 14.00 | 14.00 | 14.00 | . | 14.00 | . | . | . |
| 50 | 13.50 | 14.00 | 14.00 | 13.00 | 13.00 | 14.00 | 12.00 | . | 13.50 | . | . | . |
| *25* | 13.00 | 13.00 | 14.00 | 12.00 | 12.00 | 13.00 | 9.00 | . | 12.00 | . | . | . |
| *10* | 12.00 | 12.00 | 13.00 | 10.00 | 10.00 | 13.00 | 8.00 | . | 12.00 | . | . | . |
| *7.5 (Cut-off)* | 12.00 | 12.00 | 13.00 | 8.00 | 9.00 | 13.00 | 8.00 | . | 12.00 | . | . | . |
| *M* | 13.30 | 13.50 | 13.70 | 12.09 | 12.36 | 13.65 | 11.14 | 12.43 | 13.14 | 13.00 | 11.00 | 12.67 |
| *SD* | 0.82 | 0.73 | 0.67 | 2.09 | 1.66 | 0.69 | 2.66 | 2.88 | 1.03 | 1.22 | 1.00 | 1.03 |

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| Repetition of anomalous sentences  Women | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=45 | 7-12  n=36 | 13+  n=49 | 1-6  n=38 | 7-12  n=29 | 13+  n=23 | 1-6  n=11 | 7-12  n=12 | 13+  n=10 | 1-6  n=2 | 7-12  n=2 | 13+  n=0 |
| *95* | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | . | . | . |
| *75* | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | . | . | . |
| 50 | 13.00 | 14.00 | 14.00 | 13.00 | 14.00 | 14.00 | 13.00 | 14.00 | 14.00 | . | . | . |
| *25* | 13.00 | 14.00 | 14.00 | 12.00 | 13.00 | 14.00 | 11.00 | 13.50 | 13.00 | . | . | . |
| *10* | 11.00 | 13.00 | 13.00 | 10.00 | 12.00 | 13.00 | 10.00 | 13.00 | 12.50 | . | . | . |
| *7.5 (Cut-off)* | 11.00 | 13.00 | 13.00 | 10.00 | 12.00 | 13.00 | 10.00 | 11.00 | 12.00 | . | . | . |
| *M* | 13.07 | 13.83 | 13.84 | 12.68 | 13.34 | 13.78 | 12.45 | 13.58 | 13.60 | 13.00 | 13.00 | . |
| *SD* | 1.16 | 0.45 | 0.37 | 1.74 | 1.08 | 0.67 | 1.57 | 0.90 | 0.70 | 1.41 | 1.41 | . |

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| Graphical sequence | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=55 | 7-12  n=52 | 13+  n=76 | 1-6  n=61 | 7-12  n=54 | 13+  n=49 | 1-6  n=25 | 7-12  n=19 | 13+  n=25 | 1-6  n=7 | 7-12  n=5 | 13+  n=6 |
| *95* | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | . | . | . |
| *75* | 5.50 | 6.00 | 6.00 | 5.50 | 5.50 | 6.00 | 5.50 | 6.00 | 6.00 | . | . | . |
| 50 | 5.00 | 6.00 | 6.00 | 5.00 | 5.00 | 6.00 | 5.00 | 5.00 | 5.50 | . | . | . |
| *25* | 4.50 | 5.00 | 5.00 | 4.00 | 4.50 | 5.00 | 4.00 | 4.50 | 5.00 | . | . | . |
| *10* | 4.00 | 4.50 | 5.00 | 3.00 | 4.00 | 4.00 | 3.00 | 4.00 | 5.00 | . | . | . |
| *7.5 (Cut-off)* | 4.00 | 4.00 | 4.00 | 3.00 | 4.00 | 4.00 | 2.50 | 4.00 | 4.00 | . | . | . |
| *M* | 4.91 | 5.48 | 5.51 | 4.71 | 5.00 | 5.47 | 4.58 | 5.13 | 5.36 | 4.29 | 5.10 | 4.75 |
| *SD* | 0.97 | 0.71 | 0.64 | 0.99 | 0.78 | 0.81 | 1.11 | 0.78 | 0.67 | 1.04 | 0.42 | 1.47 |

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| Motor Programming (Congruent) | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=55 | 7-12  n=52 | 13+  n=76 | 1-6  n=61 | 7-12  n=54 | 13+  n=49 | 1-6  n=25 | 7-12  n=19 | 13+  n=25 | 1-6  n=7 | 7-12  n=5 | 13+  n=6 |
| *95* | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | . | . | . |
| *75* | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | . | . | . |
| 50 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | . | . | . |
| *25* | 19.00 | 20.00 | 20.00 | 19.00 | 19.00 | 20.00 | 19.00 | 20.00 | 19.00 | . | . | . |
| *10* | 18.00 | 19.00 | 20.00 | 18.00 | 18.00 | 20.00 | 18.00 | 19.00 | 19.00 | . | . | . |
| *7.5 (Cut-off)* | 18.00 | 19.00 | 20.00 | 18.00 | 18.00 | 19.00 | 17.00 | 19.00 | 18.00 | . | . | . |
| *M* | 19.47 | 19.85 | 19.95 | 19.41 | 19.37 | 19.88 | 19.52 | 19.74 | 19.44 | 19.43 | 19.60 | 20.00 |
| *SD* | 0.92 | 0.36 | 0.22 | 1.04 | 1.39 | 0.48 | 0.92 | 0.56 | 1.45 | 0.79 | 0.55 | 0.00 |

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| Motor Programming (Incongruent) | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=55 | 7-12  n=52 | 13+  n=75 | 1-6  n=61 | 7-12  n=54 | 13+  n=46 | 1-6  n=25 | 7-12  n=19 | 13+  n=25 | 1-6  n=7 | 7-12  n=5 | 13+  n=6 |
| *95* | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | . | . | . |
| *75* | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | . | . | . |
| 50 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 19.00 | 20.00 | 20.00 | . | . | . |
| *25* | 19.00 | 20.00 | 20.00 | 18.50 | 19.00 | 20.00 | 19.00 | 19.00 | 19.00 | . | . | . |
| *10* | 18.00 | 19.00 | 19.00 | 15.50 | 18.00 | 19.00 | 18.00 | 17.00 | 18.00 | . | . | . |
| *7.5 (Cut-off)* | 17.00 | 19.00 | 19.00 | 15.00 | 18.00 | 19.00 | 17.00 | 17.00 | 16.00 | . | . | . |
| *M* | 19.13 | 19.69 | 19.55 | 18.43 | 19.28 | 19.72 | 19.12 | 19.47 | 19.28 | 19.00 | 19.20 | 19.83 |
| *SD* | 1.54 | 1.29 | 2.40 | 3.16 | 1.47 | 0.58 | 1.09 | 0.96 | 1.46 | 1.29 | 0.45 | 0.41 |

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| Vocabulary | | | | | | | | | | | | |
|  | 65-69 | | | 70-74 | | | 75-79 | | | 80-89 | | |
| Percentile | 1-6  n=71 | 7-12  n=53 | 13+  n=75 | 1-6  n=73 | 7-12  n=54 | 13+  n=50 | 1-6  n=22 | 7-12  n=22 | 13+  n=26 | 1-6  n=6 | 7-12  n=6 | 13+  n=6 |
| *95* | 34.00 | 39.00 | 40.00 | 34.00 | 39.00 | 40.00 | 33.00 | 39.00 | 40.00 | . | . | . |
| *75* | 25.00 | 37.00 | 39.00 | 22.00 | 35.00 | 38.00 | 20.00 | 36.00 | 39.00 | . | . | . |
| 50 | 16.00 | 35.00 | 37.00 | 14.00 | 32.50 | 37.00 | 13.00 | 29.50 | 38.00 | . | . | . |
| *25* | 12.00 | 26.00 | 35.00 | 11.00 | 22.00 | 35.00 | 10.00 | 20.00 | 33.00 | . | . | . |
| *10* | 7.00 | 13.00 | 31.00 | 5.00 | 13.00 | 30.50 | 8.00 | 13.00 | 28.00 | . | . | . |
| *7.5 (Cut-off)* | 6.00 | 10.00 | 31.00 | 4.00 | 13.00 | 27.00 | 6.00 | 11.00 | 28.00 | . | . | . |
| *M* | 18.20 | 29.89 | 36.27 | 16.33 | 28.33 | 35.46 | 15.14 | 28.00 | 35.81 | 15.50 | 29.00 | 35.00 |
| *SD* | 8.74 | 10.19 | 4.02 | 8.97 | 9.40 | 5.87 | 8.05 | 9.64 | 4.60 | 8.78 | 3.79 | 4.56 |

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| **Appendix B** | | | | | | | | | |
| Raw to scaled scores conversion table for GVLT -- Verbal Memory domain | | | | | | | | | |
| Scaled Score | 1st learning trial | 5th learning trial | Total Sum of learning trials | Learning curve | Immediate free recall | | Immediate cued recall | Delayed free recall | Delayed cued recall |
| 20 |  |  |  |  | |  |  |  |  |
| 19 | 12 |  |  |  | |  |  |  |  |
| 18 |  |  |  | 2.9 | |  |  |  |  |
| 17 |  |  | 74 – 76 | 2.7 | |  |  |  |  |
| 16 | 10 | 14 | 70 – 73 | 2.5 – 2.6 | |  |  |  |  |
| 15 |  | 13 | 66 – 69 | 2.3 – 2.4 | | 16 | 16 | 16 |  |
| 14 | 9 | 12 | 62 – 65 | 2.1 – 2.2 | | 14 – 15 |  | 15 | 16 |
| 13 | 8 | 11 | 59 – 61 | 1.9 – 2.0 | | 13 | 15 | 14 | 15 |
| 12 |  | 10 | 55 – 58 | 1.7 – 1.8 | | 12 | 14 | 13 | 14 |
| 11 | 7 | 9 | 51 – 54 | 1.5 – 1.6 | | 11 | 13 | 12 | 13 |
| 10 | 6 | 8 | 47 – 50 | 1.3 – 1.4 | | 10 | 12 | 11 | 12 |
| 9 |  | 7 | 43 – 46 | 1.2 – 1.3 | | 9 | 11 | 10 | 11 |
| 8 | 5 |  | 40 – 42 | 1.0 – 1.1 | | 8 | 10 | 9 | 10 |
| 7 | 4 |  | 36 – 39 | 0.8 – 0.9 | | 7 |  | 7 – 8 |  |
| 6 |  | 8 | 32 – 35 | 0.6 – 0.7 | | 6 | 9 | 6 | 9 |
| 5 | 3 | 7 | 28 – 31 | 0.3 – 0.4 | | 5 | 8 | 5 | 8 |
| 4 | 2 | 6 | 25 – 27 | 0.4 – 0.5 | | 4 | 7 | 4 | 7 |
| 3 | 1 |  | 22 – 23 | 0 – 0.3 | | 2 – 3 | 6 | 3 | 6 |
| 2 |  | 5 | 19 – 20 | [-0.2] – [-0.1] | |  | 5 | 2 | 5 |
| 1 |  | 4 |  | [-0.4] – [-0.3] | |  | 4 |  | 4 |

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| Raw to scaled scores conversion table for GVLT -- Verbal Memory domain (continued) | | | | |
| Scaled Score | Recognition | Encoding | Consolidation | Retrieval |
| 20 |  |  |  |  |
| 19 |  |  |  |  |
| 18 |  |  |  |  |
| 17 |  |  |  |  |
| 16 |  |  |  |  |
| 15 |  |  |  | 0.06 – 0.07 |
| 14 |  | 2 |  | 0.12 – 0.15 |
| 13 |  | 3 |  | 0.16 – 0.21 |
| 12 | 16 | 4 |  | 0.23 – 0.28 |
| 11 |  | 5 | 0.06 – 0.09 | 0.29 – 0.35 |
| 10 | 15 | 6 | 0.10 – 0.14 | 0.36 – 0.40 |
| 9 | 14 | 7 | 0.15 – 0.18 | 0.42 – 0.47 |
| 8 |  | 7 | 0.19 – 0.21 | 0.50 – 0.54 |
| 7 | 13 | 8 | 0.23 – 0.27 | 0.56 – 0.60 |
| 6 |  | 9 | 0.28 – 0.31 | 0.62 – 0.67 |
| 5 | 12 | 10 | 0.33 – 0.35 | 0.69 – 0.73 |
| 4 |  | 11 | 0.36 – 0.40 | 0.75 – 0.80 |
| 3 | 11 | 12 | 0.42 – 0.43 | 0.81 – 0.85 |
| 2 | 10 | 13 | 0.46 | 0.87 – 0.92 |
| 1 |  | 14 |  | 1 |

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| Raw to scaled scores conversion table for MCGCF -- Visual Memory domain | | | | | | | |
| Scaled Score | Copy | Copy % | Immediate recall | Immediate recall % | Delayed recall | Delayed recall % | Recognition |
| 20 |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |
| 17 |  |  | 36 | 100 | 34 – 36 | 97.2 –100 | 23 |
| 16 |  |  | 33 – 35 | 94.2 – 94.4 | 31.5 – 32 | 88.6 – 94.4 |  |
| 15 |  |  | 31 – 32 | 86.1 – 91.7 | 29.5 – 31 | 81.9 – 86.1 | 22 |
| 14 |  |  | 28 – 30 | 79.2 – 83.3 | 27.0 – 29.0 | 76.4 – 80.6 | 21 |
| 13 |  |  | 25.5 – 27.5 | 72.5 – 78.6 | 24.5 – 26.5 | 68.6 – 75.0 | 20 |
| 12 | 36 | 100 | 23.5 – 25 | 66.7 – 72.2 | 22.0 – 24.0 | 62.5 – 68.1 |  |
| 11 | 35 – 35.5 | 97.2 | 21 – 23 | 59.7 – 65.7 | 19.5 – 21.5 | 55.6 – 61.3 | 19 |
| 10 | 34.5 | 95.8 | 18.5 – 20.5 | 52.9 – 58.8 | 17.0 – 19.0 | 48.6 – 54.6 | 18 |
| 9 | 33.5 – 34 | 93.1 – 94.4 | 16 – 18 | 46.4 – 52.8 | 14.5 – 16.5 | 41.9 – 48.5 | 17 |
| 8 | 33 | 91.7 | 13.5 – 15.5 | 40.0 – 46.1 | 12.0 – 14.0 | 35.3 – 41.7 |  |
| 7 | 31.5 - 32 | 88.9 | 11.5 – 13 | 33.3 – 39.1 | 9.5 – 11.5 | 28.6 – 34.9 | 16 |
| 6 | 31 | 86.1 | 9.0 – 11 | 27.1 – 32.9 | 7.5 – 9.0 | 22.6 – 28.1 | 15 |
| 5 | 30 | 83.3 | 6.5 – 8.5 | 20.6 – 26.6 | 5.0 – 7. 0 | 15.6 – 20.8 | 14 |
| 4 | 29 | 80.6 | 4 – 6 | 14.3 – 19.4 | 2.5 – 4.5 | 10 – 13.9 |  |
| 3 | 28 | 77.8 | 2 – 3 | 8.3 – 13.6 | 2 | 5.7 – 8.3 | 13 |
| 2 | 27 | 75.0 |  | 5.7 |  |  | 12 |
| 1 | 26 – 26.5 | 72.2 – 73.6 |  |  |  |  | 11 |

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| Raw to scaled scores conversion table -- Attention and Visuospatial domains | | | | | |
| Scaled Score | JLO | CDT | TMT A | TMT B | TMT B:A ratio |
| 20 |  |  |  |  |  |
| 19 |  |  |  |  |  |
| 18 |  |  |  |  |  |
| 17 |  |  |  |  |  |
| 16 |  |  |  |  |  |
| 15 | 10 |  | 19 – 21 | 36 – 51 | 0.89 – 0.93 |
| 14 | 9 |  | 24 – 32 | 52 – 72 | 1.04 – 1.37 |
| 13 |  | 15 | 33 – 41 | 73 – 92 | 1.40 – 1.72 |
| 12 | 8 |  | 42 – 51 | 93 – 113 | 1.73 – 2.07 |
| 11 | 7 | 14 | 51 – 59 | 114 – 133 | 2.08 – 2.42 |
| 10 |  | 13 | 60 - 69 | 134 – 154 | 2.44 – 2.78 |
| 9 | 6 |  | 70 – 78 | 155 – 174 | 2.79 – 3.13 |
| 8 | 5 | 12 | 79 – 87 | 175 – 195 | 3.14 – 3.48 |
| 7 | 4 | 11 | 88 – 96 | 196 – 216 | 3.49 – 3.84 |
| 6 |  |  | 98 – 105 | 217 – 235 | 3.88 – 4.16 |
| 5 | 3 | 10 | 106 – 113 | 238 – 254 | 4.24 – 4.53 |
| 4 | 2 | 9 | 116 – 124 | 266 – 274 | 4.55 – 4.85 |
| 3 |  |  | 125 – 133 | 278 – 295 | 4.92 – 5.24 |
| 2 | 1 | 8 | 137 – 142 |  | 5.29 – 5.43 |
| 1 |  | 7 | 150 |  | 5.95 |

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| Raw to scaled scores conversion table -- Language domain | | | | | | |
| Scaled Score | Boston Naming Test | Comprehension | Repetition | Verbal Fluency --Semantic | Verbal Fluency --Phonological | Vocabulary |
| 20 |  |  |  | 33 |  |  |
| 19 |  |  |  | 31 | 23 – 24 |  |
| 18 |  |  |  | 30 | 22 |  |
| 17 |  |  |  | 28 –29 | 20 – 21 |  |
| 16 |  |  |  | 27 | 18 – 19 |  |
| 15 |  |  |  | 25 – 26 | 17 |  |
| 14 |  |  |  | 24 | 15 – 16 |  |
| 13 | 15 |  |  | 22 – 23 | 14 | 37 – 40 |
| 12 | 14 | 12 | 6 | 21 | 12 – 13 | 32 – 36 |
| 11 | 13 |  |  | 19 – 20 | 10 – 11 | 29 – 32 |
| 10 | 12 |  |  | 18 | 9 | 25 – 28 |
| 9 | 11 | 11 | 5 | 16 - 17 | 7 - 8 | 22 – 24 |
| 8 |  |  |  | 14 - 15 | 5 – 6 | 18 – 21 |
| 7 | 10 |  |  | 13 | 4 – 5 | 14 – 17 |
| 6 | 9 | 10 | 4 | 11 - 12 | 2 – 3 | 10 – 13 |
| 5 | 8 |  |  | 10 | 1 | 7 – 9 |
| 4 | 7 |  | 3 | 8 – 9 |  | 3 – 6 |
| 3 |  | 9 |  | 7 |  |  |
| 2 | 6 |  |  |  |  |  |
| 1 | 5 |  | 2 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Raw to scaled scores conversion table -- Executive functioning domain | | | | | | | |
| Scaled Score | Months Forward (F) | Months Backwards (B) | Months B:F ratio | Repetition of anomalous sentences | Graphical sequence | Motor Programming Congruent | Motor Programming Congruent |
| 20 |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |
| 15 | 3.4 |  |  |  |  |  |  |
| 14 | 4.0 – 4.3 | 5 |  |  |  |  |  |
| 13 | 4.5 – 5 | 5.4 – 7.3 | 1.00 |  | 6 |  |  |
| 12 | 5.1 – 5.6 | 8.0 – 10.7 | 1.13 – 1.60 | 14 |  |  |  |
| 11 | 5.7 – 6.3 | 10.8 – 13.4 | 1.63 – 2.00 |  | 5.5 | 20 | 20 |
| 10 | 6.4 – 7.0 | 14.0 – 16.1 | 2.14 – 2.57 | 13 | 5 |  | 19 |
| 9 | 7.1 – 7.8 | 16.7 – 19.0 | 2.59 – 3.00 |  |  |  |  |
| 8 | 7.8 – 8.4 | 19.4 – 21.5 | 3.10 – 3.50 |  | 4.5 | 19 | 18 |
| 7 | 8.5 – 9 | 21.9 – 24.0 | 3.65 – 4.02 | 12 |  |  |  |
| 6 | 9.3 – 9.7 | 25.0 – 27.1 | 4.04 – 4.50 |  | 4 |  | 17 |
| 5 | 10.0 | 27.9 – 29.5 | 4.67 – 5.00 | 11 | 3.5 |  | 16 |
| 4 | 10.9 – 11 | 30.5 – 31 | 5.40 – 5.41 |  |  | 18 |  |
| 3 | 11.7 | 34 – 35 | 5.50 – 5.83 | 10 | 3 |  | 15 |
| 2 | 13 | 40 – 41 | 6.00 |  |  |  | 14 |
| 1 |  |  | 6.66 – 6.80 | 9 | 2.5 | 17 |  |