

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|----------|----------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|-------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| frontal | lateralorbitofrontal | l | 1 | 2.79 | -31.87 | <.001 | 0.86 | 10.46 | <.001 | 0.08 | 18 | 0.41 |
| frontal | lateralorbitofrontal | r | 4 | 2.54 | -20.93 | <.001 | 0.87 | 8.59 | <.001 | 0.08 | 32 | 0.47 |
| frontal | lateralorbitofrontal | r | 2 | 2.79 | -29.98 | <.001 | 0.87 | 7.95 | .003 | 0.13 | 38 | 0.49 |
| frontal | parsorbitalis | l | 1 | 2.97 | -30.33 | <.001 | 0.83 | 7.86 | <.001 | 0.08 | 76 | 0.54 |
| frontal | rostralmiddlefrontal | l | 4 | 2.77 | -29.85 | <.001 | 0.85 | 7.73 | .002 | 0.08 | 35 | 0.47 |
| frontal | lateralorbitofrontal | r | 3 | 3.07 | -31.84 | <.001 | 0.84 | 7.04 | <.001 | 0.07 | 27 | 0.46 |
| frontal | rostralmiddlefrontal | r | 2 | 2.59 | -19.76 | <.001 | 0.86 | 7.01 | <.001 | 0.08 | 56 | 0.49 |
| frontal | lateralorbitofrontal | l | 3 | 2.85 | -32.02 | <.001 | 0.87 | 6.98 | <.001 | -0.01 | 57 | 0.51 |
| frontal | rostralmiddlefrontal | r | 1 | 2.90 | -31.12 | <.001 | 0.84 | 6.77 | <.001 | 0.08 | 30 | 0.44 |
| temporal | middletemporal | l | 5 | 3.13 | -28.00 | <.001 | 0.82 | 6.74 | <.001 | 0.01 | 29 | 0.47 |
| frontal | lateralorbitofrontal | r | 1 | 3.08 | -30.65 | <.001 | 0.85 | 6.57 | <.001 | 0.02 | 19 | 0.41 |
| temporal | superiortemporal | l | 3 | 3.20 | -20.34 | <.001 | 0.88 | 6.42 | <.001 | 0.02 | 23 | 0.46 |
| temporal | inferiortemporal | r | 3 | 3.16 | -36.06 | <.001 | 0.82 | 6.36 | <.001 | 0.02 | 78 | 0.54 |
| temporal | superiortemporal | l | 7 | 2.93 | -20.35 | <.001 | 0.83 | 6.24 | <.001 | -0.01 | 8 | 0.41 |
| frontal | parstriangularis | l | 2 | 2.76 | -21.95 | <.001 | 0.85 | 6.24 | <.001 | 0.10 | 64 | 0.52 |
| frontal | frontalpole | l | 1 | 2.97 | -25.87 | .001 | 0.87 | 6.21 | .031 | 0.02 | 12 | 0.40 |
| temporal | superiortemporal | r | 5 | 3.11 | -14.85 | .003 | 0.91 | 6.17 | <.001 | -0.00 | 26 | 0.46 |
| temporal | transversetemporal | l | 1 | 2.76 | -19.47 | <.001 | 0.96 | 6.11 | <.001 | 0.01 | 6 | 0.37 |
| frontal | parsorbitalis | r | 1 | 2.95 | -26.62 | <.001 | 0.84 | 6.08 | <.001 | 0.08 | 83 | 0.54 |
| temporal | superiortemporal | l | 6 | 2.93 | -16.38 | .005 | 0.87 | 6.07 | <.001 | 0.01 | 11 | 0.38 |
| frontal | rostralmiddlefrontal | l | 6 | 2.65 | -21.57 | <.001 | 0.86 | 6.03 | <.001 | 0.08 | 32 | 0.45 |
| temporal | superiortemporal | l | 5 | 3.00 | -19.74 | <.001 | 0.86 | 6.03 | <.001 | -0.00 | 15 | 0.44 |
| temporal | transversetemporal | r | 1 | 2.85 | -18.81 | <.001 | 0.97 | 6.02 | <.001 | 0.01 | 12 | 0.42 |
| temporal | superiortemporal | l | 1 | 2.62 | -12.96 | .008 | 0.92 | 5.91 | <.001 | 0.02 | 5 | 0.36 |
| frontal | medialorbitofrontal | l | 3 | 2.48 | -17.19 | .011 | 0.91 | 5.89 | .013 | 0.05 | 4 | 0.33 |
| temporal | inferiortemporal | r | 5 | 2.95 | -26.88 | <.001 | 0.87 | 5.81 | <.001 | 0.02 | 42 | 0.49 |
| frontal | rostralmiddlefrontal | l | 2 | 2.68 | -19.69 | <.001 | 0.86 | 5.74 | <.001 | 0.07 | 14 | 0.40 |
| temporal | inferiortemporal | l | 3 | 3.12 | -38.11 | <.001 | 0.84 | 5.73 | <.001 | -0.01 | 33 | 0.48 |
| frontal | medialorbitofrontal | r | 3 | 2.73 | -25.08 | <.001 | 0.88 | 5.67 | .006 | 0.05 | 13 | 0.40 |
| temporal | middletemporal | l | 4 | 3.21 | -21.26 | .001 | 0.83 | 5.64 | <.001 | 0.01 | 27 | 0.47 |
| temporal | bankssts | l | 2 | 2.84 | -23.21 | <.001 | 0.87 | 5.62 | <.001 | 0.01 | 98 | 0.55 |
| temporal | superiortemporal | l | 2 | 3.47 | -18.47 | .021 | 0.79 | 5.50 | <.001 | 0.05 | 8 | 0.37 |
| frontal | medialorbitofrontal | r | 2 | 2.90 | -21.40 | .003 | 0.88 | 5.44 | .006 | 0.05 | 7 | 0.35 |
| temporal | middletemporal | r | 6 | 3.23 | -22.91 | <.001 | 0.82 | 5.43 | <.001 | 0.02 | 30 | 0.48 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|----------|----------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|-------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| temporal | bankssts | l | 1 | 2.84 | -17.93 | <.001 | 0.86 | 5.39 | <.001 | 0.01 | 78 | 0.54 |
| temporal | superiortemporal | l | 4 | 3.27 | -22.40 | <.001 | 0.80 | 5.36 | <.001 | 0.05 | 2 | 0.30 |
| temporal | middletemporal | l | 1 | 3.37 | -22.64 | <.001 | 0.80 | 5.36 | <.001 | 0.01 | 34 | 0.48 |
| temporal | superiortemporal | r | 2 | 3.04 | -13.58 | .012 | 0.91 | 5.34 | <.001 | 0.02 | 43 | 0.48 |
| temporal | middletemporal | r | 1 | 3.23 | -21.79 | <.001 | 0.84 | 5.33 | <.001 | 0.05 | 23 | 0.45 |
| frontal | parstriangularis | l | 1 | 2.91 | -23.11 | <.001 | 0.86 | 5.32 | <.001 | 0.10 | 48 | 0.49 |
| temporal | inferiortemporal | l | 4 | 3.04 | -20.92 | <.001 | 0.85 | 5.31 | <.001 | 0.02 | 30 | 0.48 |
| parietal | inferiorparietal | r | 4 | 2.81 | -22.62 | <.001 | 0.90 | 5.31 | <.001 | 0.03 | 67 | 0.51 |
| frontal | lateralorbitofrontal | l | 4 | 2.93 | -16.47 | .001 | 0.84 | 5.28 | <.001 | -0.01 | 36 | 0.46 |
| temporal | inferiortemporal | l | 5 | 2.92 | -17.38 | .018 | 0.85 | 5.24 | <.001 | 0.02 | 17 | 0.44 |
| temporal | superiortemporal | r | 4 | 3.13 | -23.34 | <.001 | 0.85 | 5.22 | <.001 | 0.05 | 88 | 0.55 |
| frontal | parstriangularis | r | 1 | 2.84 | -21.75 | <.001 | 0.85 | 5.21 | <.001 | 0.10 | 47 | 0.48 |
| parietal | supramarginal | r | 5 | 3.12 | -22.07 | <.001 | 0.85 | 5.17 | <.001 | 0.01 | 14 | 0.44 |
| frontal | parstriangularis | r | 3 | 2.85 | -18.15 | <.001 | 0.87 | 5.11 | <.001 | 0.07 | 32 | 0.44 |
| frontal | lateralorbitofrontal | l | 2 | 3.00 | -23.35 | .002 | 0.87 | 5.03 | .015 | 0.02 | 5 | 0.35 |
| frontal | superiorfrontal | l | 11 | 3.11 | -26.37 | <.001 | 0.86 | 4.93 | <.001 | 0.08 | 44 | 0.47 |
| parietal | supramarginal | r | 7 | 2.79 | -19.56 | <.001 | 0.87 | 4.92 | <.001 | 0.02 | 28 | 0.45 |
| temporal | inferiortemporal | l | 2 | 2.92 | -18.07 | .002 | 0.86 | 4.90 | <.001 | 0.01 | 9 | 0.41 |
| frontal | precentral | l | 7 | 2.91 | -9.22 | .031 | 0.92 | 4.90 | <.001 | -0.06 | 8 | 0.42 |
| temporal | middletemporal | r | 3 | 3.34 | -23.29 | <.001 | 0.80 | 4.88 | <.001 | 0.01 | 54 | 0.50 |
| frontal | superiorfrontal | l | 9 | 3.12 | -25.50 | <.001 | 0.85 | 4.88 | <.001 | -0.01 | 53 | 0.48 |
| frontal | superiorfrontal | l | 5 | 3.14 | -23.69 | <.001 | 0.83 | 4.88 | <.001 | -0.01 | 29 | 0.42 |
| temporal | entorhinal | l | 1 | 3.28 | -17.82 | .075 | 0.83 | 4.83 | .002 | -0.13 | 8 | 0.37 |
| parietal | inferiorparietal | l | 4 | 2.80 | -23.25 | <.001 | 0.90 | 4.82 | <.001 | 0.03 | 31 | 0.46 |
| temporal | fusiform | l | 2 | 2.95 | -22.06 | .004 | 0.80 | 4.81 | <.001 | -0.06 | 23 | 0.46 |
| temporal | middletemporal | r | 5 | 3.21 | -15.54 | .018 | 0.84 | 4.77 | <.001 | 0.01 | 39 | 0.48 |
| parietal | supramarginal | r | 4 | 2.94 | -13.11 | .007 | 0.86 | 4.76 | <.001 | -0.03 | 3 | 0.33 |
| temporal | middletemporal | l | 3 | 3.20 | -12.42 | .028 | 0.79 | 4.76 | <.001 | 0.01 | 35 | 0.47 |
| parietal | inferiorparietal | r | 10 | 3.01 | -19.00 | .007 | 0.87 | 4.76 | <.001 | 0.02 | 14 | 0.41 |
| temporal | middletemporal | l | 2 | 3.12 | -20.19 | <.001 | 0.86 | 4.74 | <.001 | 0.01 | 29 | 0.46 |
| parietal | inferiorparietal | l | 7 | 2.93 | -21.00 | <.001 | 0.88 | 4.73 | <.001 | 0.02 | 18 | 0.45 |
| frontal | superiorfrontal | r | 12 | 3.05 | -28.30 | <.001 | 0.86 | 4.72 | <.001 | 0.05 | 56 | 0.48 |
| temporal | bankssts | r | 2 | 2.86 | -18.57 | <.001 | 0.88 | 4.69 | <.001 | 0.02 | 41 | 0.49 |
| frontal | parstriangularis | r | 2 | 2.76 | -19.18 | <.001 | 0.85 | 4.66 | <.001 | 0.02 | 34 | 0.47 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|----------|----------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|-------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| parietal | inferiorparietal | l | 1 | 2.79 | -19.00 | <.001 | 0.89 | 4.63 | <.001 | 0.03 | 33 | 0.45 |
| temporal | fusiform | r | 4 | 2.83 | -20.43 | .004 | 0.88 | 4.61 | <.001 | -0.01 | 8 | 0.38 |
| temporal | fusiform | l | 1 | 2.88 | -24.17 | <.001 | 0.88 | 4.61 | <.001 | -0.06 | 9 | 0.39 |
| frontal | precentral | r | 3 | 2.97 | -12.27 | .019 | 0.87 | 4.61 | <.001 | -0.00 | 30 | 0.46 |
| frontal | parsopercularis | r | 2 | 2.87 | -17.92 | <.001 | 0.87 | 4.60 | <.001 | 0.07 | 16 | 0.40 |
| parietal | inferiorparietal | l | 3 | 2.78 | -21.74 | <.001 | 0.87 | 4.60 | <.001 | 0.01 | 58 | 0.50 |
| frontal | rostralmiddlefrontal | r | 6 | 2.71 | -18.48 | <.001 | 0.86 | 4.59 | .001 | 0.05 | 25 | 0.42 |
| parietal | inferiorparietal | r | 2 | 2.80 | -20.35 | <.001 | 0.92 | 4.59 | <.001 | 0.02 | 35 | 0.47 |
| temporal | fusiform | l | 4 | 2.93 | -20.64 | <.001 | 0.86 | 4.58 | <.001 | -0.01 | 59 | 0.52 |
| frontal | parsopercularis | l | 1 | 2.84 | -19.83 | <.001 | 0.88 | 4.56 | <.001 | 0.07 | 39 | 0.46 |
| parietal | supramarginal | l | 2 | 2.88 | -16.13 | .002 | 0.88 | 4.54 | <.001 | -0.05 | 4 | 0.37 |
| frontal | medialorbitofrontal | l | 1 | 2.99 | -18.71 | .010 | 0.88 | 4.53 | .005 | -0.17 | 19 | 0.44 |
| frontal | medialorbitofrontal | l | 2 | 2.64 | -23.68 | <.001 | 0.89 | 4.50 | .040 | 0.04 | 14 | 0.39 |
| frontal | precentral | l | 2 | 3.01 | -23.57 | <.001 | 0.84 | 4.50 | <.001 | 0.02 | 19 | 0.45 |
| parietal | supramarginal | l | 7 | 2.70 | -18.32 | <.001 | 0.87 | 4.50 | <.001 | -0.00 | 38 | 0.48 |
| frontal | parsopercularis | l | 2 | 3.00 | -19.40 | <.001 | 0.83 | 4.47 | <.001 | 0.02 | 33 | 0.48 |
| parietal | inferiorparietal | r | 8 | 3.03 | -24.69 | <.001 | 0.86 | 4.46 | <.001 | 0.03 | 19 | 0.43 |
| frontal | rostralmiddlefrontal | l | 1 | 2.63 | -27.61 | <.001 | 0.87 | 4.44 | .001 | 0.07 | 26 | 0.44 |
| parietal | superiorparietal | l | 9 | 2.49 | -19.47 | <.001 | 0.93 | 4.43 | <.001 | 0.03 | 39 | 0.48 |
| temporal | bankssts | r | 1 | 2.86 | -13.54 | .008 | 0.87 | 4.41 | <.001 | 0.05 | 27 | 0.46 |
| temporal | inferiortemporal | r | 1 | 3.24 | -21.27 | .003 | 0.80 | 4.41 | .002 | -0.03 | 37 | 0.48 |
| temporal | middletemporal | r | 2 | 3.39 | -20.81 | .004 | 0.79 | 4.41 | .005 | -0.03 | 46 | 0.50 |
| temporal | superiortemporal | r | 6 | 2.76 | -10.88 | .025 | 0.88 | 4.40 | <.001 | 0.05 | 20 | 0.44 |
| parietal | postcentral | l | 4 | 2.85 | -21.39 | <.001 | 0.89 | 4.38 | <.001 | -0.00 | 17 | 0.40 |
| temporal | fusiform | r | 2 | 2.99 | -16.68 | .021 | 0.81 | 4.37 | .001 | -0.04 | 8 | 0.40 |
| frontal | rostralmiddlefrontal | r | 7 | 2.66 | -17.19 | <.001 | 0.87 | 4.37 | <.001 | 0.07 | 16 | 0.43 |
| frontal | precentral | l | 4 | 3.06 | -21.55 | <.001 | 0.87 | 4.37 | <.001 | -0.00 | 47 | 0.50 |
| frontal | rostralmiddlefrontal | l | 10 | 2.69 | -21.19 | <.001 | 0.86 | 4.35 | .002 | 0.08 | 29 | 0.44 |
| parietal | isthmuscingulate | r | 2 | 2.53 | -10.92 | .025 | 0.95 | 4.34 | <.001 | -0.09 | 5 | 0.34 |
| frontal | superiorfrontal | r | 2 | 3.00 | -29.64 | <.001 | 0.83 | 4.33 | .008 | -0.01 | 33 | 0.43 |
| parietal | supramarginal | l | 6 | 2.90 | -21.04 | <.001 | 0.86 | 4.32 | <.001 | -0.00 | 6 | 0.35 |
| parietal | supramarginal | l | 3 | 3.01 | -12.98 | .041 | 0.85 | 4.31 | <.001 | -0.00 | 5 | 0.36 |
| parietal | inferiorparietal | r | 3 | 2.85 | -25.15 | <.001 | 0.87 | 4.30 | <.001 | 0.02 | 25 | 0.45 |
| frontal | superiorfrontal | l | 1 | 2.89 | -20.96 | <.001 | 0.85 | 4.29 | .010 | -0.01 | 10 | 0.36 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|-----------|----------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|-------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| frontal | precentral | r | 7 | 2.96 | -6.18 | .164 | 0.94 | 4.26 | .002 | -0.05 | 12 | 0.41 |
| frontal | rostralmiddlefrontal | r | 4 | 2.63 | -18.31 | <.001 | 0.86 | 4.22 | .009 | 0.08 | 14 | 0.43 |
| parietal | inferiorparietal | l | 5 | 2.71 | -19.80 | <.001 | 0.90 | 4.22 | <.001 | 0.01 | 60 | 0.51 |
| frontal | precentral | l | 6 | 2.90 | -21.61 | <.001 | 0.98 | 4.16 | .006 | -0.07 | 68 | 0.53 |
| parietal | postcentral | r | 4 | 2.65 | -14.96 | .002 | 0.91 | 4.15 | <.001 | -0.02 | 25 | 0.44 |
| parietal | superiorparietal | r | 3 | 2.58 | -18.50 | <.001 | 0.99 | 4.14 | .003 | 0.04 | 99 | 0.56 |
| parietal | supramarginal | l | 5 | 3.08 | -20.15 | <.001 | 0.86 | 4.13 | <.001 | 0.02 | 39 | 0.48 |
| frontal | precentral | r | 5 | 2.89 | -10.42 | .021 | 0.94 | 4.13 | <.001 | -0.00 | 15 | 0.42 |
| frontal | paracentral | l | 2 | 2.85 | -18.56 | <.001 | 0.95 | 4.12 | <.001 | -0.05 | 22 | 0.43 |
| parietal | precuneus | r | 2 | 2.72 | -12.46 | .007 | 0.92 | 4.12 | <.001 | 0.04 | 21 | 0.46 |
| parietal | supramarginal | r | 1 | 2.59 | -16.73 | <.001 | 0.88 | 4.11 | <.001 | -0.01 | 80 | 0.53 |
| temporal | inferiortemporal | l | 6 | 3.06 | -17.11 | .018 | 0.84 | 4.10 | .002 | 0.02 | 46 | 0.50 |
| frontal | precentral | r | 1 | 2.97 | -21.80 | <.001 | 0.84 | 4.10 | <.001 | 0.01 | 57 | 0.50 |
| parietal | superiorparietal | l | 8 | 2.46 | -19.83 | <.001 | 0.94 | 4.07 | <.001 | 0.01 | 60 | 0.51 |
| temporal | inferiortemporal | r | 4 | 3.00 | -18.55 | .006 | 0.88 | 4.05 | <.001 | 0.02 | 45 | 0.49 |
| parietal | inferiorparietal | r | 7 | 2.74 | -13.19 | .008 | 0.89 | 4.05 | <.001 | 0.02 | 20 | 0.42 |
| parietal | supramarginal | l | 1 | 2.68 | -14.72 | <.001 | 0.88 | 4.03 | <.001 | 0.03 | 20 | 0.42 |
| frontal | rostralmiddlefrontal | r | 5 | 2.82 | -24.08 | <.001 | 0.88 | 4.03 | <.001 | 0.07 | 48 | 0.48 |
| parietal | superiorparietal | l | 5 | 2.48 | -18.29 | <.001 | 0.92 | 4.03 | <.001 | 0.03 | 53 | 0.49 |
| parietal | supramarginal | r | 2 | 2.93 | -16.19 | <.001 | 0.89 | 4.02 | <.001 | 0.01 | 20 | 0.45 |
| frontal | rostralmiddlefrontal | l | 3 | 2.81 | -15.34 | .004 | 0.86 | 4.00 | .001 | 0.08 | 62 | 0.51 |
| frontal | rostralmiddlefrontal | l | 7 | 2.73 | -22.56 | <.001 | 0.86 | 3.98 | .002 | 0.05 | 55 | 0.48 |
| parietal | precuneus | r | 7 | 2.62 | -19.41 | <.001 | 0.89 | 3.98 | <.001 | -0.02 | 30 | 0.48 |
| parietal | inferiorparietal | r | 6 | 2.60 | -16.29 | <.001 | 0.89 | 3.97 | <.001 | -0.00 | 45 | 0.48 |
| occipital | cuneus | r | 1 | 2.40 | -14.28 | .002 | 1.00 | 3.97 | <.001 | 0.04 | 66 | 0.52 |
| temporal | parahippocampal | l | 2 | 2.58 | -20.83 | .002 | 0.92 | 3.95 | .008 | -0.13 | 2 | 0.28 |
| frontal | rostralmiddlefrontal | r | 10 | 2.63 | -17.58 | <.001 | 0.86 | 3.94 | .001 | 0.08 | 38 | 0.48 |
| frontal | caudalmiddlefrontal | l | 1 | 2.94 | -21.14 | <.001 | 0.87 | 3.92 | .002 | 0.08 | 66 | 0.50 |
| frontal | rostralmiddlefrontal | l | 9 | 2.89 | -26.83 | <.001 | 0.86 | 3.90 | .003 | 0.07 | 34 | 0.44 |
| frontal | superiorfrontal | l | 7 | 3.14 | -22.66 | <.001 | 0.85 | 3.90 | .001 | -0.06 | 57 | 0.50 |
| frontal | superiorfrontal | r | 8 | 3.25 | -30.61 | <.001 | 0.84 | 3.89 | <.001 | 0.08 | 56 | 0.49 |
| parietal | inferiorparietal | l | 6 | 2.91 | -23.14 | <.001 | 0.89 | 3.89 | <.001 | 0.02 | 22 | 0.43 |
| parietal | supramarginal | r | 3 | 2.86 | -21.84 | <.001 | 0.87 | 3.88 | <.001 | 0.02 | 26 | 0.45 |
| parietal | supramarginal | l | 4 | 3.03 | -17.17 | <.001 | 0.86 | 3.87 | <.001 | 0.02 | 5 | 0.40 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|-----------|----------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|-------|--------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| occipital | lateraloccipital | l | 4 | 2.77 | -15.33 | <.001 | 0.95 | 3.85 | <.001 | 0.05 | 52 | 0.50 |
| parietal | inferiorparietal | r | 1 | 2.83 | -22.31 | <.001 | 0.88 | 3.84 | <.001 | -0.05 | 38 | 0.48 |
| temporal | middletemporal | r | 4 | 2.98 | -19.23 | .001 | 0.89 | 3.82 | <.001 | 0.01 | 47 | 0.49 |
| parietal | superiorparietal | l | 6 | 2.54 | -21.86 | <.001 | 0.99 | 3.82 | .001 | 0.04 | 61 | 0.50 |
| frontal | parsopercularis | l | 3 | 2.83 | -18.46 | <.001 | 0.87 | 3.81 | <.001 | -0.00 | 53 | 0.50 |
| frontal | precentral | r | 4 | 2.87 | -13.46 | .015 | 0.97 | 3.81 | .017 | -0.05 | 23 | 0.45 |
| parietal | superiorparietal | l | 10 | 2.67 | -15.18 | .001 | 0.92 | 3.80 | .002 | 0.01 | 62 | 0.52 |
| frontal | rostralmiddlefrontal | r | 3 | 2.83 | -17.86 | <.001 | 0.86 | 3.76 | .002 | 0.08 | 37 | 0.46 |
| parietal | superiorparietal | r | 8 | 2.42 | -14.79 | <.001 | 0.92 | 3.76 | <.001 | -0.01 | 41 | 0.48 |
| frontal | superiorfrontal | l | 13 | 3.30 | -26.22 | <.001 | 0.86 | 3.76 | .001 | -0.01 | 65 | 0.51 |
| frontal | superiorfrontal | l | 3 | 3.01 | -26.24 | <.001 | 0.84 | 3.76 | .010 | -0.18 | 31 | 0.42 |
| temporal | parahippocampal | r | 1 | 2.49 | -6.14 | .359 | 0.94 | 3.76 | .019 | -99.00 | 4 | 0.31 |
| parietal | posteriorcingulate | l | 1 | 2.85 | -19.28 | <.001 | 0.87 | 3.73 | <.001 | -0.02 | 9 | 0.42 |
| parietal | inferiorparietal | l | 8 | 2.82 | -12.30 | .008 | 0.87 | 3.72 | <.001 | -0.00 | 9 | 0.43 |
| temporal | parahippocampal | l | 1 | 2.78 | -15.14 | .097 | 0.88 | 3.72 | .013 | -0.13 | 1 | 0.22 |
| frontal | rostralmiddlefrontal | r | 8 | 2.72 | -16.68 | <.001 | 0.86 | 3.71 | .005 | 0.08 | 42 | 0.45 |
| temporal | fusiform | l | 5 | 2.90 | -22.44 | <.001 | 0.90 | 3.69 | .001 | 0.01 | 31 | 0.46 |
| parietal | inferiorparietal | r | 9 | 2.76 | -18.39 | .001 | 0.89 | 3.68 | <.001 | 0.03 | 32 | 0.45 |
| frontal | superiorfrontal | l | 2 | 3.06 | -23.73 | <.001 | 0.92 | 3.67 | .009 | -0.09 | 42 | 0.47 |
| parietal | precuneus | l | 5 | 2.63 | -16.73 | <.001 | 0.94 | 3.63 | <.001 | 0.04 | 22 | 0.45 |
| frontal | paracentral | r | 2 | 3.11 | -19.28 | <.001 | 1.00 | 3.63 | .007 | -0.09 | 26 | 0.47 |
| occipital | lingual | l | 3 | 2.56 | -15.77 | .016 | 0.93 | 3.59 | .009 | -0.20 | 3 | 0.29 |
| frontal | caudalmiddlefrontal | r | 3 | 3.08 | -22.49 | <.001 | 0.88 | 3.54 | .003 | 0.08 | 54 | 0.50 |
| parietal | precuneus | l | 4 | 2.67 | -15.49 | <.001 | 0.88 | 3.54 | <.001 | 0.04 | 27 | 0.46 |
| frontal | precentral | l | 9 | 2.89 | -12.91 | .006 | 0.96 | 3.53 | .007 | 0.01 | 21 | 0.45 |
| frontal | superiorfrontal | r | 6 | 3.19 | -26.86 | <.001 | 0.83 | 3.53 | .004 | -0.01 | 30 | 0.45 |
| frontal | paracentral | l | 3 | 2.82 | -21.53 | <.001 | 1.00 | 3.52 | .007 | -0.05 | 23 | 0.46 |
| parietal | superiorparietal | r | 5 | 2.46 | -18.69 | <.001 | 0.93 | 3.51 | <.001 | -0.00 | 40 | 0.47 |
| parietal | isthmuscingulate | l | 2 | 2.49 | -8.91 | .031 | 0.93 | 3.50 | <.001 | -0.05 | 2 | 0.29 |
| frontal | precentral | l | 5 | 2.92 | -17.38 | .003 | 0.98 | 3.50 | .026 | -0.05 | 61 | 0.51 |
| parietal | precuneus | l | 7 | 2.59 | -6.25 | .187 | 0.90 | 3.48 | <.001 | -0.02 | 7 | 0.40 |
| frontal | precentral | r | 9 | 2.81 | -16.13 | <.001 | 0.93 | 3.45 | .007 | -0.00 | 76 | 0.52 |
| frontal | superiorfrontal | l | 8 | 3.25 | -23.26 | <.001 | 0.89 | 3.44 | .005 | -0.01 | 23 | 0.44 |
| parietal | postcentral | l | 6 | 2.08 | -4.56 | .385 | 0.96 | 3.43 | .004 | -0.07 | 14 | 0.38 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|-----------|-------------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|-------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| parietal | precuneus | l | 6 | 2.71 | -25.86 | <.001 | 0.90 | 3.42 | <.001 | -0.02 | 30 | 0.44 |
| occipital | lateraloccipital | l | 7 | 2.35 | -19.73 | <.001 | 0.97 | 3.41 | .001 | 0.01 | 81 | 0.54 |
| parietal | precuneus | r | 5 | 2.64 | -19.37 | <.001 | 0.91 | 3.41 | .003 | -0.02 | 30 | 0.46 |
| temporal | superiortemporal | r | 3 | 3.19 | -22.95 | <.001 | 0.82 | 3.39 | .004 | -0.07 | 29 | 0.47 |
| frontal | superiorfrontal | r | 9 | 2.99 | -21.37 | <.001 | 0.88 | 3.39 | .008 | 0.05 | 75 | 0.53 |
| frontal | parsopercularis | r | 3 | 2.79 | -15.51 | <.001 | 0.86 | 3.38 | .005 | 0.07 | 37 | 0.48 |
| frontal | precentral | r | 6 | 2.79 | -17.21 | .002 | 1.04 | 3.37 | .026 | -0.07 | 25 | 0.45 |
| frontal | rostralmiddlefrontal | r | 9 | 2.79 | -23.31 | <.001 | 0.86 | 3.36 | .015 | 0.07 | 26 | 0.43 |
| occipital | cuneus | r | 3 | 2.33 | -16.11 | <.001 | 0.99 | 3.35 | <.001 | 0.03 | 22 | 0.43 |
| parietal | inferiorparietal | r | 5 | 2.62 | -17.94 | <.001 | 0.92 | 3.32 | .002 | -0.05 | 50 | 0.49 |
| frontal | superiorfrontal | r | 13 | 3.26 | -23.11 | <.001 | 0.86 | 3.30 | .002 | 0.05 | 57 | 0.49 |
| temporal | inferiortemporal | r | 2 | 2.87 | -15.62 | .006 | 0.89 | 3.29 | .003 | 0.05 | 9 | 0.40 |
| parietal | superiorparietal | r | 10 | 2.42 | -11.66 | .009 | 0.94 | 3.28 | .002 | 0.03 | 44 | 0.47 |
| frontal | rostralmiddlefrontal | l | 8 | 2.65 | -20.10 | <.001 | 0.87 | 3.26 | .026 | 0.08 | 35 | 0.44 |
| temporal | entorhinal | r | 1 | 3.39 | -9.11 | .367 | 0.83 | 3.25 | .046 | -0.13 | 9 | 0.37 |
| occipital | lateraloccipital | l | 1 | 2.49 | -17.09 | <.001 | 0.99 | 3.25 | .005 | 0.04 | 59 | 0.51 |
| parietal | supramarginal | r | 6 | 3.10 | -24.88 | <.001 | 0.86 | 3.25 | .005 | 0.02 | 46 | 0.49 |
| occipital | lateraloccipital | r | 4 | 2.45 | -18.44 | <.001 | 0.99 | 3.24 | .003 | 0.04 | 60 | 0.51 |
| occipital | lateraloccipital | l | 2 | 2.67 | -13.44 | .002 | 0.92 | 3.23 | .001 | 0.01 | 39 | 0.49 |
| frontal | parsopercularis | r | 1 | 3.06 | -20.57 | <.001 | 0.83 | 3.22 | .003 | 0.02 | 20 | 0.43 |
| frontal | caudalanteriorcingulate | l | 1 | 2.54 | -14.23 | .044 | 0.90 | 3.19 | .035 | -0.06 | 2 | 0.34 |
| parietal | superiorparietal | r | 4 | 2.48 | -18.76 | <.001 | 0.96 | 3.18 | .006 | -0.00 | 32 | 0.46 |
| frontal | superiorfrontal | r | 3 | 3.14 | -23.01 | <.001 | 0.92 | 3.16 | .019 | -0.05 | 41 | 0.47 |
| parietal | postcentral | r | 8 | 2.20 | -16.91 | <.001 | 0.98 | 3.15 | .021 | -0.06 | 32 | 0.46 |
| occipital | lateraloccipital | l | 6 | 2.61 | -10.11 | .101 | 0.96 | 3.14 | .005 | 0.02 | 27 | 0.44 |
| parietal | inferiorparietal | l | 2 | 2.76 | -18.69 | <.001 | 0.92 | 3.12 | .002 | 0.03 | 36 | 0.46 |
| temporal | temporalpole | r | 1 | 3.61 | 5.31 | .593 | 0.83 | 3.10 | .096 | -0.15 | 6 | 0.34 |
| temporal | fusiform | l | 3 | 2.80 | -20.76 | <.001 | 0.94 | 3.09 | .011 | 0.01 | 41 | 0.48 |
| frontal | frontalpole | r | 1 | 3.09 | -32.63 | <.001 | 0.88 | 3.08 | .193 | 0.10 | 16 | 0.41 |
| temporal | fusiform | r | 5 | 2.77 | -9.56 | .078 | 0.92 | 3.08 | .016 | -0.01 | 14 | 0.42 |
| parietal | postcentral | r | 2 | 2.85 | -11.06 | .031 | 0.88 | 3.08 | .005 | -0.01 | 13 | 0.43 |
| parietal | superiorparietal | l | 3 | 2.51 | -14.36 | .002 | 0.94 | 3.07 | .018 | 0.01 | 26 | 0.44 |
| occipital | cuneus | r | 2 | 2.28 | -16.62 | <.001 | 0.98 | 3.00 | .010 | 0.03 | 10 | 0.40 |
| frontal | rostralmiddlefrontal | l | 5 | 2.79 | -20.18 | <.001 | 0.88 | 2.99 | .021 | 0.07 | 53 | 0.48 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|----------|---------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| parietal | posteriorcingulate | r | 2 | 2.49 | -15.58 | <.001 | 0.91 | 2.99 | .007 | -0.02 | 3 | 0.35 |
| parietal | superiorparietal | l | 7 | 2.70 | -27.11 | <.001 | 0.91 | 2.98 | .028 | -0.00 | 31 | 0.47 |
| frontal | superiorfrontal | l | 4 | 3.06 | -25.96 | <.001 | 0.92 | 2.98 | .029 | 0.05 | 88 | 0.54 |
| parietal | precuneus | r | 6 | 2.55 | -10.64 | .017 | 0.95 | 2.97 | .005 | 0.04 | 9 | 0.41 |
| frontal | superiorfrontal | l | 12 | 3.13 | -21.90 | <.001 | 0.88 | 2.97 | .026 | 0.05 | 64 | 0.50 |
| parietal | postcentral | r | 1 | 1.91 | -5.89 | .215 | 1.00 | 2.96 | .066 | -0.07 | 8 | 0.37 |
| parietal | precuneus | l | 1 | 2.76 | -14.77 | .002 | 0.91 | 2.95 | .006 | 0.03 | 5 | 0.37 |
| parietal | superiorparietal | r | 1 | 2.42 | -14.39 | .001 | 0.99 | 2.95 | .005 | 0.01 | 106 | 0.57 |
| frontal | paracentral | l | 1 | 2.52 | -20.67 | <.001 | 1.00 | 2.95 | .071 | -0.02 | 56 | 0.50 |
| parietal | postcentral | l | 2 | 2.93 | -10.56 | .031 | 0.88 | 2.95 | .004 | -0.03 | 11 | 0.40 |
| parietal | precuneus | l | 3 | 2.57 | -14.16 | <.001 | 0.95 | 2.93 | .002 | 0.04 | 26 | 0.47 |
| frontal | superiorfrontal | r | 4 | 3.02 | -17.87 | <.001 | 0.83 | 2.93 | .017 | 0.01 | 28 | 0.44 |
| frontal | superiorfrontal | l | 6 | 3.00 | -23.46 | <.001 | 0.91 | 2.93 | .019 | -0.01 | 38 | 0.47 |
| parietal | postcentral | r | 6 | 2.30 | -9.47 | .120 | 0.94 | 2.92 | .011 | -0.06 | 17 | 0.41 |
| parietal | postcentral | l | 8 | 2.19 | -9.43 | .053 | 0.98 | 2.89 | .018 | -0.06 | 26 | 0.46 |
| parietal | precuneus | r | 1 | 2.80 | -13.82 | .006 | 0.92 | 2.88 | .010 | -0.05 | 5 | 0.37 |
| frontal | caudalmiddlefrontal | r | 4 | 2.95 | -18.26 | <.001 | 0.89 | 2.86 | .018 | 0.08 | 46 | 0.48 |
| frontal | caudalmiddlefrontal | r | 1 | 2.66 | -17.84 | <.001 | 0.89 | 2.85 | .014 | 0.07 | 37 | 0.47 |
| frontal | insula | l | 1 | 2.75 | -16.07 | <.001 | 0.91 | 2.84 | .006 | -0.05 | 31 | 0.47 |
| frontal | superiorfrontal | r | 5 | 3.03 | -21.62 | <.001 | 0.91 | 2.84 | .030 | 0.05 | 76 | 0.53 |
| frontal | caudalmiddlefrontal | l | 4 | 3.03 | -17.49 | <.001 | 0.90 | 2.83 | .035 | 0.08 | 61 | 0.50 |
| frontal | precentral | l | 1 | 2.76 | -17.13 | <.001 | 1.04 | 2.82 | .062 | -0.07 | 6 | 0.37 |
| frontal | superiorfrontal | l | 10 | 3.08 | -21.58 | <.001 | 0.88 | 2.77 | .018 | -0.06 | 45 | 0.48 |
| frontal | precentral | r | 2 | 2.75 | -17.01 | .001 | 1.07 | 2.76 | .077 | -0.06 | 22 | 0.45 |
| temporal | inferiortemporal | l | 1 | 3.21 | -20.53 | .013 | 0.80 | 2.72 | .078 | 0.02 | 24 | 0.44 |
| parietal | superiorparietal | r | 7 | 2.67 | -23.48 | <.001 | 0.93 | 2.72 | .027 | -0.00 | 47 | 0.48 |
| temporal | fusiform | r | 3 | 2.84 | -18.09 | .002 | 0.93 | 2.71 | .021 | 0.02 | 10 | 0.41 |
| parietal | precuneus | r | 4 | 2.33 | -9.19 | .026 | 0.97 | 2.70 | .003 | 0.01 | 25 | 0.45 |
| parietal | isthmuscingulate | r | 1 | 2.62 | -3.01 | .663 | 0.98 | 2.69 | .102 | -0.09 | 2 | 0.23 |
| frontal | superiorfrontal | r | 1 | 2.96 | -15.01 | .002 | 0.89 | 2.68 | .012 | -0.01 | 5 | 0.36 |
| frontal | superiorfrontal | r | 11 | 3.42 | -26.07 | <.001 | 0.87 | 2.67 | .029 | -0.01 | 54 | 0.49 |
| frontal | paracentral | r | 3 | 2.67 | -19.85 | <.001 | 1.00 | 2.65 | .041 | -0.05 | 26 | 0.45 |
| frontal | caudalmiddlefrontal | l | 3 | 2.72 | -14.98 | <.001 | 0.89 | 2.65 | .025 | 0.07 | 66 | 0.52 |
| temporal | superiortemporal | r | 1 | 3.36 | -7.96 | .298 | 0.80 | 2.65 | .069 | -0.07 | 5 | 0.36 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|-----------|---------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| frontal | precentral | l | 8 | 2.87 | -12.75 | .007 | 0.93 | 2.65 | .044 | -0.00 | 32 | 0.46 |
| occipital | lateraloccipital | r | 6 | 2.45 | -15.12 | <.001 | 0.97 | 2.65 | .010 | 0.04 | 81 | 0.54 |
| frontal | paracentral | r | 1 | 2.45 | -12.97 | .002 | 0.95 | 2.63 | .028 | -0.05 | 27 | 0.46 |
| frontal | insula | l | 2 | 3.88 | -19.38 | .006 | 0.91 | 2.63 | .138 | -0.17 | 2 | 0.32 |
| occipital | cuneus | l | 1 | 2.37 | -16.68 | <.001 | 0.99 | 2.57 | .007 | 0.03 | 14 | 0.42 |
| occipital | lingual | r | 6 | 2.60 | -19.73 | <.001 | 0.98 | 2.56 | .015 | 0.02 | 21 | 0.46 |
| occipital | pericalcarine | r | 3 | 2.22 | -10.37 | .016 | 0.99 | 2.56 | .023 | -0.05 | 2 | 0.30 |
| occipital | lingual | r | 3 | 2.52 | -15.43 | .010 | 0.96 | 2.55 | .059 | 0.01 | 10 | 0.38 |
| occipital | lateraloccipital | r | 9 | 2.77 | -11.34 | .026 | 0.96 | 2.54 | .039 | 0.01 | 38 | 0.48 |
| occipital | lingual | l | 1 | 2.52 | -15.59 | .002 | 0.95 | 2.54 | .069 | -0.02 | 13 | 0.40 |
| frontal | precentral | l | 3 | 2.72 | -17.22 | .003 | 1.06 | 2.54 | .110 | -0.07 | 15 | 0.43 |
| parietal | precuneus | l | 2 | 2.62 | -23.83 | <.001 | 0.91 | 2.49 | .039 | -0.02 | 42 | 0.47 |
| frontal | caudalmiddlefrontal | l | 2 | 2.94 | -16.66 | <.001 | 0.91 | 2.49 | .056 | 0.07 | 88 | 0.54 |
| temporal | parahippocampal | r | 2 | 2.64 | -4.62 | .590 | 0.90 | 2.48 | .181 | -0.13 | 4 | 0.28 |
| parietal | superiorparietal | l | 4 | 2.44 | -13.64 | .003 | 0.93 | 2.43 | .038 | 0.01 | 11 | 0.40 |
| parietal | superiorparietal | r | 6 | 2.56 | -19.28 | <.001 | 0.93 | 2.41 | .068 | -0.03 | 95 | 0.54 |
| occipital | lingual | r | 1 | 2.45 | -11.58 | .059 | 0.96 | 2.41 | .092 | -0.28 | 5 | 0.30 |
| frontal | superiorfrontal | r | 7 | 3.23 | -20.65 | <.001 | 0.90 | 2.39 | .040 | -0.01 | 27 | 0.45 |
| temporal | fusiform | r | 1 | 2.76 | -14.04 | .003 | 0.95 | 2.38 | .028 | 0.01 | 20 | 0.43 |
| occipital | lateraloccipital | r | 5 | 2.92 | -14.00 | .022 | 0.94 | 2.35 | .035 | 0.01 | 44 | 0.49 |
| parietal | isthmuscingulate | l | 1 | 2.69 | -4.76 | .501 | 0.95 | 2.31 | .063 | -0.05 | 1 | 0.19 |
| occipital | lateraloccipital | r | 2 | 2.63 | -13.98 | .001 | 0.95 | 2.26 | .029 | 0.02 | 44 | 0.48 |
| parietal | posteriorcingulate | l | 2 | 2.29 | -10.48 | .016 | 0.94 | 2.22 | .068 | -0.06 | 1 | 0.30 |
| occipital | lingual | l | 5 | 2.25 | -5.35 | .342 | 0.97 | 2.18 | .064 | -0.20 | 1 | 0.28 |
| frontal | superiorfrontal | r | 10 | 3.19 | -23.01 | <.001 | 0.84 | 2.18 | .058 | -0.01 | 55 | 0.49 |
| frontal | caudalmiddlefrontal | r | 2 | 2.98 | -18.97 | <.001 | 0.91 | 2.17 | .103 | 0.05 | 104 | 0.56 |
| parietal | superiorparietal | l | 2 | 2.48 | -19.99 | <.001 | 0.99 | 2.16 | .077 | 0.04 | 34 | 0.46 |
| frontal | medialorbitofrontal | r | 1 | 2.78 | -18.12 | .001 | 0.87 | 2.16 | .267 | 0.04 | 9 | 0.38 |
| occipital | lateraloccipital | r | 7 | 2.40 | -12.09 | .010 | 0.98 | 2.05 | .095 | 0.01 | 14 | 0.41 |
| parietal | precuneus | r | 3 | 2.58 | -20.70 | <.001 | 0.92 | 2.04 | .065 | -0.02 | 42 | 0.47 |
| parietal | superiorparietal | r | 2 | 2.55 | -26.47 | <.001 | 0.94 | 1.97 | .216 | 0.05 | 73 | 0.51 |
| occipital | pericalcarine | r | 2 | 2.05 | -7.61 | .086 | 0.98 | 1.97 | .081 | -0.05 | 7 | 0.35 |
| parietal | postcentral | l | 3 | 2.22 | -18.04 | <.001 | 1.02 | 1.85 | .220 | -0.00 | 51 | 0.48 |
| occipital | lateraloccipital | l | 9 | 2.63 | -21.91 | <.001 | 0.97 | 1.78 | .133 | 0.05 | 60 | 0.51 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|-----------|--------------------------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|------|--------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| occipital | cuneus | l | 2 | 2.34 | -12.81 | .008 | 0.97 | 1.75 | .092 | 0.03 | 35 | 0.48 |
| frontal | caudalanteriorcingulate | r | 1 | 2.64 | -16.40 | .004 | 0.89 | 1.74 | .197 | -0.06 | 2 | 0.31 |
| occipital | lateraloccipital | l | 3 | 2.41 | -20.06 | <.001 | 0.99 | 1.71 | .238 | 0.04 | 35 | 0.47 |
| parietal | postcentral | l | 7 | 2.47 | -15.86 | <.001 | 0.97 | 1.68 | .241 | -0.01 | 32 | 0.47 |
| occipital | lateraloccipital | l | 8 | 2.25 | -11.80 | .020 | 0.98 | 1.67 | .187 | -99.00 | 15 | 0.41 |
| frontal | rostralanteriorcingulate | r | 1 | 2.94 | -15.42 | .042 | 0.89 | 1.64 | .412 | -0.18 | 15 | 0.41 |
| occipital | lingual | l | 6 | 2.53 | -13.22 | .003 | 0.98 | 1.61 | .147 | -0.02 | 14 | 0.41 |
| frontal | insula | r | 1 | 3.72 | -15.45 | .024 | 0.89 | 1.61 | .370 | 0.02 | 2 | 0.32 |
| parietal | postcentral | l | 1 | 2.00 | -8.63 | .089 | 1.01 | 1.59 | .337 | -0.00 | 14 | 0.40 |
| parietal | posteriorcingulate | r | 1 | 2.69 | -11.00 | .008 | 0.91 | 1.55 | .119 | -0.06 | 1 | 0.23 |
| occipital | pericalcarine | r | 1 | 2.29 | -14.20 | .003 | 1.00 | 1.54 | .177 | -0.05 | 3 | 0.31 |
| frontal | insula | r | 2 | 2.85 | -18.39 | <.001 | 0.90 | 1.50 | .097 | -0.05 | 11 | 0.42 |
| occipital | lingual | r | 5 | 2.41 | -14.48 | .006 | 0.99 | 1.48 | .152 | -0.02 | 4 | 0.38 |
| parietal | superiorparietal | l | 1 | 2.49 | -19.42 | <.001 | 0.93 | 1.46 | .288 | -0.00 | 29 | 0.45 |
| occipital | lingual | r | 4 | 2.44 | -16.34 | .002 | 0.99 | 1.44 | .205 | -0.02 | 3 | 0.32 |
| frontal | rostralanteriorcingulate | l | 1 | 2.79 | -14.55 | .047 | 0.91 | 1.39 | .554 | -0.18 | 6 | 0.35 |
| occipital | lateraloccipital | l | 5 | 2.20 | -13.17 | .023 | 0.98 | 1.38 | .400 | -0.05 | 9 | 0.36 |
| frontal | precentral | r | 8 | 2.60 | -8.87 | .048 | 1.01 | 1.34 | .291 | -0.07 | 18 | 0.44 |
| occipital | lingual | r | 2 | 2.46 | -20.41 | <.001 | 0.99 | 1.33 | .311 | -0.05 | 3 | 0.29 |
| parietal | postcentral | r | 5 | 2.38 | -10.92 | .028 | 1.00 | 1.27 | .398 | -0.06 | 51 | 0.49 |
| occipital | pericalcarine | l | 1 | 2.07 | -6.88 | .134 | 0.97 | 1.26 | .216 | -0.05 | 6 | 0.34 |
| parietal | postcentral | l | 5 | 2.19 | -15.48 | <.001 | 1.01 | 1.26 | .378 | -0.03 | 58 | 0.50 |
| occipital | lateraloccipital | r | 8 | 2.41 | -12.84 | .009 | 1.00 | 1.25 | .281 | 0.01 | 19 | 0.44 |
| occipital | lateraloccipital | r | 3 | 2.39 | -12.51 | .034 | 1.00 | 1.25 | .315 | -0.01 | 14 | 0.41 |
| parietal | superiorparietal | r | 9 | 2.57 | -17.27 | <.001 | 0.93 | 1.20 | .356 | -0.00 | 17 | 0.44 |
| parietal | postcentral | r | 7 | 2.08 | -15.50 | <.001 | 1.00 | 1.12 | .464 | -0.02 | 77 | 0.52 |
| occipital | lateraloccipital | r | 1 | 2.30 | -16.10 | .005 | 1.00 | 1.02 | .482 | 0.01 | 6 | 0.35 |
| occipital | pericalcarine | l | 2 | 2.29 | -19.16 | <.001 | 0.99 | 0.86 | .376 | -0.05 | 5 | 0.37 |
| frontal | insula | l | 4 | 3.62 | -30.67 | <.001 | 0.90 | 0.81 | .537 | -0.01 | 10 | 0.40 |
| temporal | temporalpole | l | 1 | 3.51 | -1.65 | .877 | 0.81 | 0.77 | .709 | -0.07 | 9 | 0.35 |
| frontal | insula | l | 3 | 3.38 | -19.51 | <.001 | 0.90 | 0.34 | .796 | -0.01 | 10 | 0.40 |
| parietal | postcentral | r | 3 | 2.18 | -12.42 | .010 | 1.02 | 0.29 | .844 | -0.02 | 43 | 0.48 |
| occipital | lingual | l | 4 | 2.44 | -15.71 | .002 | 0.99 | 0.21 | .832 | -0.05 | 2 | 0.30 |
| occipital | lingual | l | 2 | 2.44 | -22.47 | <.001 | 0.97 | -0.16 | .901 | -0.02 | 7 | 0.33 |

Continued on next page

All Regional Measures (N=308) - Validation cohort

| Lobe | Region | Hemi | Sub Region | CT at 14 | Δ CT with age | | MT at 14 | Δ MT with age | | PLS2 | Degree | Closeness |
|---------|--------|------|---------------|-------------|-------------------------------|-------|-------------|-------------------------------|------|-------|--------|-----------|
| | | | | (mm) | (mm/year) $\times 10^{-3}$ | P | (PU) | (PU/year) $\times 10^{-3}$ | P | | | |
| frontal | insula | r | 4 | 3.55 | -15.43 | .006 | 0.91 | -0.19 | .897 | -0.01 | 1 | 0.24 |
| frontal | insula | r | 3 | 3.52 | -25.72 | <.001 | 0.91 | -1.37 | .284 | -0.01 | 3 | 0.36 |