|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROI | Intercept | Age | Rate of CTh | Adj. R2 |
|  | *β* | *t* | *p* | *η2* | *β* | *t* | *p* | *η2* | *β* | *t* | *p* | *η2* | *R2* |
| Bankssts | -0.061 | -6.76 | \*\*\* | 0.18 | -0.001 | -1.19 | ns | 0.01 | 3.139 | 7.58 | \*\*\* | 0.22 | 0.33 |
| Caudal anterior cingulate | -0.064 | -4.75 | \*\*\* | 0.10 | -0.001 | -1.04 | ns | 0.01 | 2.148 | 3.80 | \*\*\* | 0.07 | 0.15 |
| Caudal middle frontal | -0.066 | -8.27 | \*\*\* | 0.25 | 0.002 | 3.15 | \*\* | 0.05 | 1.072 | 3.43 | \*\*\* | 0.05 | 0.31 |
| Cuneus | -0.036 | -3.76 | \*\*\* | 0.06 | 0.000 | 0.58 | ns | 0.00 | -0.593 | -1.10 | ns | 0.01 | 0.05 |
| Entorhinal | -0.057 | -4.43 | \*\*\* | 0.09 | -0.003 | -3.71 | \*\*\* | 0.06 | 1.282 | 3.02 | \*\* | 0.04 | 0.20 |
| Fusiform | -0.078 | -7.67 | \*\*\* | 0.22 | -0.002 | -3.93 | \*\*\* | 0.07 | 3.214 | 6.04 | \*\*\* | 0.15 | 0.36 |
| Inferior parietal | -0.059 | -6.53 | \*\*\* | 0.17 | -0.001 | -1.60 | ns | 0.01 | 2.805 | 6.44 | \*\*\* | 0.17 | 0.29 |
| Inferior temporal | -0.084 | -8.23 | \*\*\* | 0.25 | -0.003 | -4.58 | \*\*\* | 0.09 | 2.690 | 5.11 | \*\*\* | 0.11 | 0.35 |
| Isthmus cingulate | -0.041 | -4.76 | \*\*\* | 0.10 | 0.000 | 0.47 | ns | 0.00 | 2.241 | 4.34 | \*\*\* | 0.08 | 0.16 |
| Lateral occipital | -0.050 | -5.35 | \*\*\* | 0.12 | -0.001 | -1.96 | ns | 0.02 | 0.217 | 0.41 | ns | 0.00 | 0.13 |
| Lateral orbitofrontal | -0.090 | -9.24 | \*\*\* | 0.30 | -0.001 | -2.05 | \* | 0.02 | 2.131 | 4.46 | \*\*\* | 0.09 | 0.34 |
| Lingual | -0.044 | -4.14 | \*\*\* | 0.08 | -0.001 | -1.76 | ns | 0.01 | 0.918 | 1.16 | ns | 0.01 | 0.09 |
| Medial orbitofrontal | -0.077 | -7.43 | \*\*\* | 0.21 | -0.002 | -2.48 | \* | 0.03 | 4.594 | 9.31 | \*\*\* | 0.30 | 0.40 |
| Middle temporal | -0.070 | -7.72 | \*\*\* | 0.23 | -0.002 | -4.52 | \*\*\* | 0.09 | 3.174 | 6.82 | \*\*\* | 0.19 | 0.36 |
| Parahippocampal | -0.052 | -3.84 | \*\*\* | 0.07 | -0.002 | -3.08 | \*\* | 0.04 | 3.579 | 5.44 | \*\*\* | 0.13 | 0.21 |
| Paracentral | -0.041 | -5.50 | \*\*\* | 0.13 | 0.001 | 2.50 | \* | 0.03 | -0.675 | -2.38 | \* | 0.03 | 0.15 |
| Pars opercularis | -0.077 | -9.77 | \*\*\* | 0.32 | 0.000 | -0.57 | ns | 0.00 | 0.975 | 4.93 | \*\*\* | 0.11 | 0.37 |
| Pars orbitalis | -0.093 | -9.36 | \*\*\* | 0.30 | -0.001 | -2.10 | \* | 0.02 | 1.616 | 3.64 | \*\*\* | 0.06 | 0.33 |
| Pars triangularis | -0.082 | -8.76 | \*\*\* | 0.27 | 0.000 | -0.82 | ns | 0.00 | 2.043 | 4.97 | \*\*\* | 0.11 | 0.33 |
| Pericalcarine | -0.027 | -2.97 | \*\* | 0.04 | 0.000 | 0.57 | ns | 0.00 | -4.353 | -7.69 | \*\*\* | 0.23 | 0.24 |
| Postcentral | -0.029 | -3.80 | \*\*\* | 0.07 | 0.001 | 2.62 | \*\* | 0.03 | -1.597 | -4.57 | \*\*\* | 0.09 | 0.16 |
| Posterior cingulate | -0.059 | -5.81 | \*\*\* | 0.14 | 0.000 | -0.38 | ns | 0.00 | 2.681 | 4.78 | \*\*\* | 0.10 | 0.21 |
| Precentral | -0.043 | -6.61 | \*\*\* | 0.18 | 0.002 | 4.74 | \*\*\* | 0.10 | -1.578 | -6.77 | \*\*\* | 0.18 | 0.36 |
| Precuneus | -0.058 | -7.40 | \*\*\* | 0.21 | 0.000 | -0.85 | ns | 0.00 | 3.490 | 9.46 | \*\*\* | 0.31 | 0.41 |
| Rostral anterior cingulate | -0.084 | -7.60 | \*\*\* | 0.22 | -0.003 | -4.86 | \*\*\* | 0.10 | 3.267 | 6.91 | \*\*\* | 0.19 | 0.36 |
| Rostral middle frontal | -0.076 | -7.85 | \*\*\* | 0.23 | -0.001 | -1.16 | ns | 0.01 | 3.756 | 7.80 | \*\*\* | 0.23 | 0.37 |
| Superior frontal | -0.081 | -10.24 | \*\*\* | 0.34 | 0.000 | 0.11 | ns | 0.00 | 1.613 | 4.05 | \*\*\* | 0.07 | 0.37 |
| Superior parietal | -0.037 | -4.59 | \*\*\* | 0.09 | 0.001 | 1.23 | ns | 0.01 | 1.736 | 5.16 | \*\*\* | 0.12 | 0.18 |
| Superior temporal | -0.058 | -7.63 | \*\*\* | 0.22 | -0.001 | -1.88 | ns | 0.02 | 2.731 | 6.12 | \*\*\* | 0.16 | 0.32 |
| Supramarginal | -0.056 | -6.83 | \*\*\* | 0.19 | 0.000 | -0.59 | ns | 0.00 | 2.296 | 5.88 | \*\*\* | 0.15 | 0.28 |
| Frontal pole | -0.089 | -6.61 | \*\*\* | 0.18 | -0.002 | -2.48 | \* | 0.03 | 1.279 | 2.51 | \* | 0.03 | 0.19 |
| Temporal pole | -0.053 | -4.51 | \*\*\* | 0.09 | -0.004 | -5.14 | \*\*\* | 0.12 | 1.289 | 2.52 | \* | 0.03 | 0.22 |
| Transverse temporal | -0.051 | -6.22 | \*\*\* | 0.16 | 0.002 | 3.23 | \*\* | 0.05 | -1.363 | -3.91 | \*\*\* | 0.07 | 0.24 |
| Insula | -0.043 | -6.00 | \*\*\* | 0.15 | -0.001 | -2.69 | \*\* | 0.03 | 0.537 | 1.08 | ns | 0.01 | 0.17 |

Supplementary Table 3. GWC model estimates without CSF intensity change as covariate.

GWC model estimates in each cortical ROI. The model included intercept (mean change), age, rate of CTh atrophy and sex as regressors while the predicted variable was rate of GWC decline. The intercept has been modeled as an explicit regressor. All the regressors have been demeaned. Sex is not included in the table as no significant effects are found in any ROI. The right-side column represents adjusted variance explained by the model. ns: not significant; \*: p < 0.05; \*\*: p < 0.01; \*\*\*: p < 0.001. Bonferroni correction is set at p < 0.001.