| **Region** | **Basal (Mean [95% CI])** | | | | | | **Hygly. - Basal (Mean [95% CI])** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **[18F]FDG** | **[15O]H2O** | **[15O]O2** | **[15O]CO** | **rOEF** | **rOGI** | **[18F]FDG** | **[15O]H2O** | **[15O]O2** | **[15O]CO** | **rOEF** | **rOGI** |
| Accumbens | 1.08 ± 0.02 | 1.23 ± 0.02 | 1.13 ± 0.02 | 0.86 ± 0.03 | 0.92 ± 0.01 | 1.01 ± 0.02 | 0.00 ± 0.02 | -0.01 ± 0.02 | -0.02 ± 0.03 | 0.01 ± 0.04 | 0.00 ± 0.02 | 0.01 ± 0.03 |
| Amygdala | 0.82 ± 0.01 | 0.98 ± 0.02 | 0.83 ± 0.03 | 1.03 ± 0.03 | 0.85 ± 0.02 | 0.99 ± 0.03 | 0.11 ± 0.02 | 0.00 ± 0.02 | -0.01 ± 0.03 | 0.01 ± 0.03 | -0.01 ± 0.03 | -0.11 ± 0.03 |
| Banks Superior Temporal Sulcus | 1.24 ± 0.02 | 1.15 ± 0.02 | 1.18 ± 0.02 | 0.78 ± 0.02 | 1.02 ± 0.02 | 0.94 ± 0.02 | -0.11 ± 0.01 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.11 ± 0.02 |
| Brain Stem | 0.77 ± 0.02 | 0.97 ± 0.02 | 0.73 ± 0.04 | 0.99 ± 0.03 | 0.75 ± 0.04 | 0.94 ± 0.05 | 0.09 ± 0.01 | 0.01 ± 0.01 | -0.02 ± 0.05 | 0.01 ± 0.02 | -0.03 ± 0.05 | -0.11 ± 0.06 |
| Caudal Anterior Cingulate | 1.10 ± 0.02 | 1.16 ± 0.02 | 1.05 ± 0.02 | 0.86 ± 0.04 | 0.90 ± 0.02 | 0.94 ± 0.02 | -0.03 ± 0.02 | 0.01 ± 0.02 | 0.01 ± 0.02 | 0.00 ± 0.03 | 0.00 ± 0.02 | 0.06 ± 0.02 |
| Caudal Middle Frontal | 1.35 ± 0.02 | 1.15 ± 0.02 | 1.19 ± 0.02 | 0.73 ± 0.02 | 1.02 ± 0.02 | 0.87 ± 0.03 | -0.16 ± 0.02 | 0.01 ± 0.01 | 0.02 ± 0.03 | 0.00 ± 0.02 | 0.00 ± 0.03 | 0.15 ± 0.03 |
| Caudate | 1.17 ± 0.02 | 1.01 ± 0.02 | 0.98 ± 0.02 | 0.68 ± 0.02 | 0.96 ± 0.01 | 0.83 ± 0.02 | -0.05 ± 0.02 | 0.00 ± 0.01 | -0.01 ± 0.02 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.05 ± 0.02 |
| Cerebellar Gray | 0.98 ± 0.02 | 1.15 ± 0.03 | 1.06 ± 0.05 | 1.00 ± 0.02 | 0.92 ± 0.04 | 1.07 ± 0.05 | 0.06 ± 0.02 | 0.01 ± 0.02 | -0.01 ± 0.05 | -0.01 ± 0.02 | -0.02 ± 0.04 | -0.07 ± 0.04 |
| Cerebellar White | 0.85 ± 0.02 | 1.01 ± 0.02 | 0.88 ± 0.04 | 0.73 ± 0.02 | 0.87 ± 0.04 | 1.05 ± 0.05 | 0.08 ± 0.01 | 0.00 ± 0.02 | -0.02 ± 0.05 | 0.00 ± 0.01 | -0.02 ± 0.05 | -0.12 ± 0.05 |
| Corpus Callosum | 0.56 ± 0.02 | 0.62 ± 0.02 | 0.57 ± 0.02 | 0.74 ± 0.05 | 0.90 ± 0.02 | 0.99 ± 0.03 | 0.16 ± 0.02 | -0.01 ± 0.01 | -0.02 ± 0.02 | 0.01 ± 0.03 | -0.03 ± 0.03 | -0.24 ± 0.03 |
| Cortical White Matter | 0.90 ± 0.01 | 0.88 ± 0.01 | 0.92 ± 0.01 | 0.63 ± 0.01 | 1.03 ± 0.01 | 0.99 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.00 | 0.01 ± 0.01 | 0.00 ± 0.01 | 0.00 ± 0.01 | 0.00 ± 0.01 |
| Cuneus | 1.31 ± 0.02 | 1.22 ± 0.02 | 1.33 ± 0.02 | 0.99 ± 0.05 | 1.09 ± 0.02 | 0.99 ± 0.02 | -0.11 ± 0.02 | -0.03 ± 0.02 | -0.01 ± 0.02 | -0.01 ± 0.02 | 0.02 ± 0.03 | 0.11 ± 0.02 |
| Deep White Matter | 0.53 ± 0.01 | 0.59 ± 0.01 | 0.58 ± 0.01 | 0.55 ± 0.01 | 0.95 ± 0.01 | 1.02 ± 0.01 | 0.17 ± 0.01 | 0.00 ± 0.01 | 0.00 ± 0.01 | 0.00 ± 0.02 | 0.00 ± 0.01 | -0.19 ± 0.02 |
| Entorhinal | 0.86 ± 0.01 | 0.96 ± 0.02 | 0.84 ± 0.03 | 1.32 ± 0.05 | 0.86 ± 0.03 | 0.96 ± 0.03 | 0.10 ± 0.02 | -0.01 ± 0.02 | -0.02 ± 0.04 | 0.04 ± 0.02 | -0.01 ± 0.04 | -0.11 ± 0.04 |
| Frontal Pole | 1.17 ± 0.03 | 1.10 ± 0.02 | 1.09 ± 0.03 | 1.01 ± 0.05 | 1.00 ± 0.02 | 0.92 ± 0.03 | -0.07 ± 0.02 | -0.01 ± 0.02 | 0.00 ± 0.03 | 0.02 ± 0.02 | 0.00 ± 0.03 | 0.06 ± 0.04 |
| Fusiform | 1.12 ± 0.01 | 1.08 ± 0.01 | 1.07 ± 0.02 | 1.06 ± 0.03 | 0.98 ± 0.02 | 0.94 ± 0.02 | -0.01 ± 0.01 | 0.00 ± 0.02 | -0.01 ± 0.02 | 0.01 ± 0.01 | 0.00 ± 0.03 | 0.02 ± 0.02 |
| Hippocampus | 0.90 ± 0.01 | 1.04 ± 0.01 | 0.85 ± 0.02 | 1.02 ± 0.02 | 0.82 ± 0.02 | 0.94 ± 0.02 | 0.07 ± 0.01 | -0.01 ± 0.01 | -0.01 ± 0.02 | -0.01 ± 0.02 | -0.01 ± 0.03 | -0.07 ± 0.03 |
| Inferior Parietal | 1.24 ± 0.01 | 1.07 ± 0.01 | 1.14 ± 0.01 | 0.78 ± 0.02 | 1.05 ± 0.01 | 0.90 ± 0.02 | -0.13 ± 0.01 | 0.00 ± 0.01 | 0.01 ± 0.01 | -0.01 ± 0.01 | 0.00 ± 0.02 | 0.12 ± 0.02 |
| Inferior Temporal | 1.11 ± 0.01 | 1.03 ± 0.01 | 1.00 ± 0.02 | 0.96 ± 0.03 | 0.97 ± 0.02 | 0.89 ± 0.02 | -0.06 ± 0.01 | 0.00 ± 0.01 | 0.00 ± 0.02 | 0.00 ± 0.01 | 0.00 ± 0.02 | 0.06 ± 0.02 |
| Insula | 1.10 ± 0.01 | 1.22 ± 0.02 | 1.13 ± 0.01 | 1.03 ± 0.03 | 0.92 ± 0.01 | 1.01 ± 0.01 | -0.03 ± 0.01 | 0.00 ± 0.02 | -0.01 ± 0.01 | 0.00 ± 0.02 | 0.00 ± 0.01 | 0.03 ± 0.01 |
| Isthmuscingulate | 1.28 ± 0.02 | 1.16 ± 0.02 | 1.11 ± 0.02 | 1.13 ± 0.05 | 0.95 ± 0.02 | 0.86 ± 0.02 | -0.11 ± 0.02 | -0.01 ± 0.02 | 0.00 ± 0.02 | -0.01 ± 0.03 | 0.01 ± 0.02 | 0.09 ± 0.02 |
| Lateral Occipital | 1.16 ± 0.02 | 1.02 ± 0.02 | 1.08 ± 0.02 | 0.90 ± 0.03 | 1.06 ± 0.02 | 0.92 ± 0.02 | -0.09 ± 0.02 | -0.01 ± 0.02 | 0.00 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.03 | 0.09 ± 0.02 |
| Lateral Orbitofrontal | 1.19 ± 0.02 | 1.16 ± 0.01 | 1.11 ± 0.01 | 0.89 ± 0.02 | 0.95 ± 0.01 | 0.91 ± 0.02 | -0.06 ± 0.02 | 0.00 ± 0.01 | 0.00 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.01 | 0.06 ± 0.01 |
| Lingual | 1.24 ± 0.02 | 1.18 ± 0.01 | 1.25 ± 0.02 | 1.19 ± 0.03 | 1.05 ± 0.02 | 0.99 ± 0.02 | -0.06 ± 0.02 | -0.02 ± 0.02 | -0.01 ± 0.02 | -0.01 ± 0.01 | 0.01 ± 0.03 | 0.06 ± 0.02 |
| Medial Orbitofrontal | 1.18 ± 0.02 | 1.19 ± 0.02 | 1.11 ± 0.01 | 0.90 ± 0.03 | 0.93 ± 0.01 | 0.93 ± 0.02 | -0.05 ± 0.01 | -0.01 ± 0.02 | -0.01 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.01 | 0.04 ± 0.01 |
| Middle Temporal | 1.14 ± 0.01 | 1.04 ± 0.01 | 1.03 ± 0.02 | 0.85 ± 0.02 | 0.99 ± 0.01 | 0.90 ± 0.01 | -0.09 ± 0.01 | 0.00 ± 0.01 | -0.01 ± 0.01 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.08 ± 0.01 |
| Pallidum | 0.99 ± 0.02 | 1.07 ± 0.03 | 1.08 ± 0.02 | 0.68 ± 0.03 | 1.01 ± 0.02 | 1.05 ± 0.02 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.01 ± 0.03 | 0.00 ± 0.02 | 0.03 ± 0.02 |
| Paracentral | 1.14 ± 0.02 | 1.07 ± 0.02 | 1.13 ± 0.03 | 0.80 ± 0.03 | 1.04 ± 0.02 | 0.96 ± 0.03 | -0.05 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.03 | 0.00 ± 0.02 | 0.01 ± 0.03 | 0.08 ± 0.03 |
| Parahippocampal | 0.97 ± 0.01 | 1.06 ± 0.01 | 0.94 ± 0.03 | 1.16 ± 0.03 | 0.88 ± 0.02 | 0.96 ± 0.02 | 0.06 ± 0.01 | 0.00 ± 0.01 | -0.01 ± 0.03 | -0.02 ± 0.02 | 0.00 ± 0.03 | -0.05 ± 0.03 |
| Parsopercularis | 1.31 ± 0.02 | 1.22 ± 0.01 | 1.21 ± 0.02 | 0.86 ± 0.03 | 0.99 ± 0.02 | 0.90 ± 0.02 | -0.13 ± 0.01 | 0.01 ± 0.01 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.12 ± 0.02 |
| Parsorbitalis | 1.18 ± 0.02 | 1.06 ± 0.01 | 1.07 ± 0.02 | 0.85 ± 0.03 | 1.01 ± 0.02 | 0.91 ± 0.02 | -0.09 ± 0.02 | 0.00 ± 0.01 | 0.00 ± 0.02 | 0.02 ± 0.02 | 0.00 ± 0.02 | 0.08 ± 0.03 |
| Parstriangularis | 1.26 ± 0.02 | 1.12 ± 0.01 | 1.12 ± 0.02 | 0.81 ± 0.03 | 0.99 ± 0.01 | 0.88 ± 0.02 | -0.12 ± 0.02 | 0.00 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.01 | 0.00 ± 0.02 | 0.11 ± 0.02 |
| Pericalcarine | 1.36 ± 0.04 | 1.26 ± 0.03 | 1.35 ± 0.02 | 0.94 ± 0.03 | 1.07 ± 0.03 | 0.98 ± 0.03 | -0.13 ± 0.04 | -0.04 ± 0.03 | -0.01 ± 0.02 | -0.01 ± 0.02 | 0.03 ± 0.03 | 0.12 ± 0.02 |
| Postcentral | 1.15 ± 0.01 | 1.06 ± 0.01 | 1.13 ± 0.02 | 0.82 ± 0.02 | 1.05 ± 0.02 | 0.96 ± 0.02 | -0.06 ± 0.01 | 0.00 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.02 | 0.01 ± 0.03 | 0.08 ± 0.03 |
| Posterior Cingulate | 1.29 ± 0.02 | 1.22 ± 0.01 | 1.15 ± 0.02 | 0.78 ± 0.02 | 0.94 ± 0.02 | 0.88 ± 0.02 | -0.12 ± 0.02 | 0.00 ± 0.01 | 0.02 ± 0.02 | -0.01 ± 0.03 | 0.01 ± 0.02 | 0.12 ± 0.02 |
| Precentral | 1.21 ± 0.01 | 1.11 ± 0.01 | 1.15 ± 0.02 | 0.77 ± 0.02 | 1.03 ± 0.02 | 0.93 ± 0.02 | -0.09 ± 0.01 | 0.00 ± 0.01 | 0.02 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.02 | 0.12 ± 0.03 |
| Precuneus | 1.34 ± 0.02 | 1.19 ± 0.01 | 1.23 ± 0.02 | 0.84 ± 0.02 | 1.03 ± 0.02 | 0.91 ± 0.02 | -0.13 ± 0.02 | 0.00 ± 0.01 | 0.01 ± 0.02 | -0.01 ± 0.02 | 0.01 ± 0.02 | 0.12 ± 0.02 |
| Putamen | 1.30 ± 0.02 | 1.26 ± 0.02 | 1.25 ± 0.01 | 0.77 ± 0.02 | 0.99 ± 0.01 | 0.96 ± 0.01 | -0.11 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.01 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.10 ± 0.01 |
| Rostral Anterior Cingulate | 1.14 ± 0.02 | 1.22 ± 0.02 | 1.06 ± 0.01 | 0.94 ± 0.03 | 0.87 ± 0.01 | 0.92 ± 0.02 | -0.03 ± 0.02 | 0.00 ± 0.02 | 0.00 ± 0.02 | 0.01 ± 0.03 | -0.01 ± 0.02 | 0.04 ± 0.01 |
| Rostral Middle Frontal | 1.30 ± 0.02 | 1.15 ± 0.01 | 1.18 ± 0.02 | 0.76 ± 0.02 | 1.02 ± 0.02 | 0.89 ± 0.02 | -0.13 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.01 | 0.00 ± 0.02 | 0.12 ± 0.03 |
| Superior Frontal | 1.24 ± 0.02 | 1.13 ± 0.02 | 1.15 ± 0.03 | 0.82 ± 0.02 | 1.00 ± 0.02 | 0.91 ± 0.03 | -0.10 ± 0.01 | 0.00 ± 0.01 | 0.02 ± 0.03 | 0.00 ± 0.02 | 0.01 ± 0.03 | 0.11 ± 0.03 |
| Superior Parietal | 1.16 ± 0.01 | 1.03 ± 0.01 | 1.13 ± 0.02 | 0.87 ± 0.02 | 1.09 ± 0.02 | 0.95 ± 0.02 | -0.07 ± 0.01 | 0.00 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.01 | 0.01 ± 0.03 | 0.10 ± 0.03 |
| Superior Temporal | 1.07 ± 0.01 | 1.09 ± 0.02 | 1.09 ± 0.01 | 1.03 ± 0.03 | 0.99 ± 0.01 | 1.00 ± 0.01 | -0.03 ± 0.01 | -0.01 ± 0.01 | -0.01 ± 0.01 | 0.00 ± 0.02 | 0.01 ± 0.01 | 0.04 ± 0.01 |
| Supramarginal | 1.22 ± 0.01 | 1.13 ± 0.01 | 1.16 ± 0.02 | 0.83 ± 0.02 | 1.01 ± 0.02 | 0.93 ± 0.02 | -0.10 ± 0.01 | 0.00 ± 0.01 | 0.01 ± 0.02 | 0.00 ± 0.01 | 0.01 ± 0.02 | 0.11 ± 0.02 |
| Temporal Pole | 0.86 ± 0.01 | 0.88 ± 0.02 | 0.83 ± 0.03 | 1.14 ± 0.07 | 0.93 ± 0.03 | 0.95 ± 0.03 | 0.09 ± 0.02 | -0.01 ± 0.02 | -0.02 ± 0.03 | 0.04 ± 0.04 | 0.00 ± 0.04 | -0.09 ± 0.03 |
| Thalamus | 1.09 ± 0.02 | 1.21 ± 0.02 | 1.11 ± 0.02 | 0.87 ± 0.02 | 0.91 ± 0.02 | 1.00 ± 0.02 | -0.03 ± 0.03 | 0.00 ± 0.02 | 0.01 ± 0.02 | -0.01 ± 0.02 | 0.00 ± 0.02 | 0.05 ± 0.03 |
| Transverse Temporal | 1.41 ± 0.02 | 1.45 ± 0.02 | 1.35 ± 0.03 | 1.16 ± 0.05 | 0.92 ± 0.02 | 0.94 ± 0.02 | -0.16 ± 0.02 | -0.01 ± 0.03 | 0.01 ± 0.03 | -0.01 ± 0.04 | 0.02 ± 0.03 | 0.15 ± 0.02 |
| Ventral DC | 0.84 ± 0.02 | 1.04 ± 0.02 | 0.90 ± 0.02 | 0.99 ± 0.03 | 0.86 ± 0.02 | 1.05 ± 0.02 | 0.06 ± 0.01 | 0.00 ± 0.01 | -0.02 ± 0.02 | -0.01 ± 0.03 | -0.02 ± 0.02 | -0.07 ± 0.03 |