| Variable                | Estimate | 95% CI Estimate | t-stat | p     | Mean   | 95% CI     | Mean   | 95% CI     |
|-------------------------|----------|-----------------|--------|-------|--------|------------|--------|------------|
| ICV                     | -0.043   | -0.336:0.25     | -0.29  | 0.776 | 0.037  | -0.349:0.423 | -0.049 | -0.497:0.399 |
| Cerebral Gray Matter    | 0.263    | -0.00252:0.528  | 2.08   | 0.0433| -0.225 | -0.575:0.125 | 0.3    | -0.107:0.707 |
| Cerebral White Matter   | -0.063   | -0.37:0.245     | -0.4   | 0.691 | 0.054  | -0.351:0.459 | -0.072 | -0.543:0.399 |
| Cerebellar Gray Matter  | -0.397   | -0.7:-0.0935    | -2.71  | 0.0145| 0.34   | -0.06:0.739  | -0.453 | -0.917:0.012 |
| Cerebellar White Matter | -0.081   | -0.407:0.245    | -0.49  | 0.629 | 0.069  | -0.361:0.499 | -0.092 | -0.592:0.407 |
| Frontal Gray Matter     | 0.22     | -0.0731:0.514   | 1.47   | 0.15  | -0.189 | -0.576:0.198 | 0.252  | -0.198:0.701 |
| Frontal White Matter    | -0.161   | -0.463:0.14     | -1.05  | 0.302 | 0.138  | -0.26:0.535  | -0.184 | -0.646:0.278 |
| Parietal Gray Matter    | 0.229    | -0.0597:0.517   | 1.55   | 0.129 | -0.196 | -0.576:0.184 | 0.261  | -0.181:0.702 |
| Parietal White Matter   | -0.037   | -0.355:0.28     | -0.23  | 0.818 | 0.032  | -0.386:0.45  | -0.043 | -0.529:0.443 |
| Temporal Gray Matter    | -0.029   | -0.354:0.297    | -0.17  | 0.865 | 0.024  | -0.405:0.454 | -0.033 | -0.531:0.466 |
| Temporal White Matter   | 0.142    | -0.181:0.465    | 0.86   | 0.394 | -0.122 | -0.547:0.304 | 0.162  | -0.333:0.657 |
| Occipital Gray Matter   | 0.254    | -0.0519:0.56    | 1.63   | 0.112 | -0.217 | -0.621:0.186 | 0.29   | -0.179:0.758 |
| Occipital White Matter  | 0.198    | -0.129:0.525    | 1.19   | 0.243 | -0.169 | -0.601:0.262 | 0.226  | -0.275:0.727 |
| Basal Ganglia           | -0.019   | -0.355:0.317    | -0.11  | 0.913 | 0.016  | -0.427:0.459 | -0.021 | -0.536:0.493 |
| Thalamus                | -0.227   | -0.534:0.0803   | -1.45  | 0.156 | 0.194  | -0.211:0.599 | -0.259 | -0.729:0.212 |
| Hippocampus             | -0.196   | -0.491:0.0987   | -1.3   | 0.2   | 0.168  | -0.221:0.556 | -0.224 | -0.675:0.228 |
| Amygdala                | -0.153   | -0.458:0.151    | -0.99  | 0.33  | 0.131  | -0.271:0.533 | -0.175 | -0.642:0.292 |
Supplementary Table 1: Group (model) estimates and marginal means for controls and CKD for each region of interest (ROI). Fitted values are adjusted for age, maternal education, and socioeconomic status. Estimate = Model estimate; 95% CI Estimate = 95% confidence limits of the model estimate.
Supplementary Figure 1: Detrending of intracranial volume (ICV) using the power proportion (PPM). Each panel shows a power-adjusted region of interest (ROI) on the y-axis and the standardized ICV on the x-axis. There are no significant trends between ICV and ROI ppm.