**Supplementary table 4:** Mendelian Randomisation estimates for the causal effect of childhood BMI on MS risk using inverse-variance weighted random-effects meta-analysis as the primary analysis, followed by secondary sensitivity analyses.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **N (SNPs)** | **β** | **SE** | **P** |
| Inverse variance weighted | 14 | 0.211858 | 0.083228 | 0.010912 |
| MR Egger | 14 | 0.125312 | 0.34534 | 0.723016 |
| Maximum likelihood | 14 | 0.216323 | 0.083767 | 0.009811 |
| Weighted median | 14 | 0.178744 | 0.109521 | 0.10267 |
| Simple mode | 14 | 0.103427 | 0.191005 | 0.597329 |
| Weighted mode | 14 | 0.117625 | 0.171858 | 0.505722 |