**Supplementary table 5:** Mendelian Randomisation estimates for the causal effect of adult 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 | 293 | 0.134467 | 0.066018 | 0.041667 |
| MR Egger | 293 | -0.01696 | 0.108684 | 0.876093 |
| Maximum likelihood | 293 | 0.134989 | 0.048486 | 0.005368 |
| Weighted median | 293 | 0.067751 | 0.085302 | 0.427051 |
| Simple mode | 293 | 0.153134 | 0.203658 | 0.452705 |
| Weighted mode | 293 | 0.007006 | 0.080048 | 0.930313 |