**Supplementary table 6:** Mendelian Randomisation estimates for the causal effect of natural-log-transformed 25(OH)D3 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 | 6 | -0.55384 | 0.172136 | 0.001293 |
| MR Egger | 6 | -0.22019 | 0.295122 | 0.497071 |
| Maximum likelihood | 6 | -0.55433 | 0.172747 | 0.001332 |
| Weighted median | 6 | -0.49293 | 0.185608 | 0.007913 |
| Simple mode | 6 | -1.08609 | 0.470741 | 0.069149 |
| Weighted mode | 6 | -0.36356 | 0.188219 | 0.111265 |