*Table 2.* Results from Cox proportional hazard models predicting parental mortality risk from offspring education polygenic profile score. Hazard ratios are expressed per standard deviation of polygenic profile score. Meta-analytic rows are in bold.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parent | Cohort | *n* offspring | *n* parental deaths | Hazard ratio [95% CI] | SE | *p*-value |
| Mother | Generation Scotland | 16,670 | 6,330 | 0.954 [.907, 1.001] | .024 | .056 |
| UK Biobank | 115,323 | 69,990 | 0.976 [0.968, 0.984] | .004 | 1.52×10−10 |
| Estonian Biobank | 5,929 | 2,682 | 0.979 [.940, 1.018] | .020 | .280 |
| **Meta-analysis** | **137,922** | **79,702** | **0.976 [0.968, 0.983]** | **.004** | **8.21×10−10** |
| Father | Generation Scotland | 16,390 | 8,467 | 0.932 [0.891, 0.973] | .021 | .0007 |
| UK Biobank | 111,334 | 85,419 | 0.975 [0.969, 0.981] | .003 | 2.05×10−13 |
| Estonian Biobank | 6,097 | 3,744 | 0.942 [0.909, 0.975] | .017 | .0003 |
| **Meta-analysis** | **133,821** | **97,630** | **0.973 [0.967, 0.979]** | **.004** | **1.73×10−18** |

Note: All models adjusted for offspring sex, genotyping array, and SNP principal components as described in the Materials and Methods section.