Table 2: Summary table of incidence rate ratios, in the UK born and non-UK born cohorts relevant to the universal school-age scheme, using the best fitting models as determined by comparison of the LOOIC (UK born: Negative binomial model adjusting with fixed effects for the change in policy, age, and incidence rates in the UK born (Model 7 (Negative Binomial)), Non-UK born: Negative binomial model with a random intercept for year of study entry, adjusting with fixed effects for the change in policy, age, and incidence rates in the non-UK born (Model 17 (Negative Binomial))). Model terms which were not included in a given cohort are indicated using a hyphen (-).

|  |  |  |
| --- | --- | --- |
| Variable | IRR (95% CrI)\* | |
| UK born | Non-UK born |
| Policy change† |  |  |
| Pre-change | *Reference* | *Reference* |
| Post-change | 1.08 (0.97, 1.19) | 0.74 (0.61, 0.88) |
| Age |  |  |
| 14 | *Reference* | *Reference* |
| 15 | 1.18 (0.98, 1.42) | 1.03 (0.87, 1.22) |
| 16 | 1.24 (1.03, 1.50) | 1.25 (1.07, 1.47) |
| 17 | 1.59 (1.33, 1.91) | 1.40 (1.19, 1.63) |
| 18 | 1.92 (1.60, 2.30) | 1.47 (1.26, 1.73) |
| 19 | 1.80 (1.49, 2.17) | 1.47 (1.24, 1.73) |
| UK born incidence rate (per standard deviation) | 1.08 (1.03, 1.14) | - |
| Non-UK born incidence rate (per standard deviation) | - | 1.11 (1.03, 1.19) |
| Year of study elibility, group level | - |  |
| Intercept (standard deviation) | - | 1.13 (1.05, 1.26) |
| Year of study elibility, individual level | - |  |
| 2000 | - | 1.10 (0.96, 1.29) |
| 2001 | - | 1.06 (0.93, 1.24) |
| 2002 | - | 1.07 (0.94, 1.25) |
| 2003 | - | 0.90 (0.76, 1.03) |
| 2004 | - | 0.89 (0.75, 1.02) |
| 2005 | - | 0.98 (0.85, 1.12) |
| 2006 | - | 1.13 (0.99, 1.33) |
| 2007 | - | 1.04 (0.91, 1.20) |
| 2008 | - | 0.96 (0.83, 1.09) |
| 2009 | - | 0.95 (0.81, 1.08) |
| 2010 | - | 0.96 (0.82, 1.11) |
| \* Incidence Rate Ratio (95% Credible Interval)  † There was an improvement in the LOOIC score of 0.52 (SE 2.63) from dropping the change in policy from the model in the UK born cohort and a -3.02 (SE 3.52) improvement in the non-UK born cohort. | | |