Table 3: Summary table of incidence rate ratios, in the UK born and non-UK born cohorts relevant to the targeted neonatal scheme, using the best fitting models as determined by comparison of the LOOIC (UK born: Poisson 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 UK born (Model 16), Non-UK born: Negative binomial model adjusting with fixed effects for the change in policy, age, and incidence rates in the non-UK born (Model 8 (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 | 0.96 (0.82, 1.14) | 0.62 (0.44, 0.88) |
| Age |  |  |
| 0 | *Reference* | *Reference* |
| 1 | 1.39 (1.20, 1.61) | 0.49 (0.30, 0.83) |
| 2 | 1.24 (1.06, 1.44) | 0.49 (0.30, 0.80) |
| 3 | 1.21 (1.03, 1.41) | 0.42 (0.26, 0.68) |
| 4 | 0.90 (0.76, 1.06) | 0.41 (0.25, 0.66) |
| 5 | 0.89 (0.75, 1.06) | 0.27 (0.16, 0.45) |
| UK born incidence rate (per standard deviation) | 1.12 (1.06, 1.18) | - |
| Non-UK born incidence rate (per standard deviation) | - | 1.25 (1.04, 1.51) |
| Year of study elibility, group level |  | - |
| Intercept (standard deviation) | 1.13 (1.04, 1.26) | - |
| Year of study elibility, individual level |  | - |
| 2000 | 0.83 (0.68, 0.99) | - |
| 2001 | 0.93 (0.79, 1.07) | - |
| 2002 | 1.08 (0.95, 1.28) | - |
| 2003 | 1.07 (0.93, 1.26) | - |
| 2004 | 1.12 (0.97, 1.32) | - |
| 2005 | 1.02 (0.89, 1.17) | - |
| 2006 | 1.02 (0.89, 1.17) | - |
| 2007 | 0.97 (0.83, 1.11) | - |
| 2008 | 1.01 (0.88, 1.15) | - |
| 2009 | 1.01 (0.88, 1.16) | - |
| 2010 | 0.98 (0.85, 1.13) | - |
| \* Incidence Rate Ratio (95% Credible Interval)  † There was an improvement in the LOOIC score of 0.92 (SE 1.07) from dropping the change in policy from the model in the UK born cohort and a -3.45 (SE 4.63) improvement in the non-UK born cohort. | | |