**Results Appendix**

**Table 1: Significant differences in the odds of matching ARF cases from the initial notification dataset to the initial hospitalisation dataset**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field** | **Reference group** | **Comparison group** | **More/less likely to match than reference group** | **OR** | **LCI** | **UCI** |
| **Notification report source** | Hospital-based practitioner | Other source | Less | 0.25 | 0.14 | 0.43 |
| Lab notifications | Less | 0.23 | 0.06 | 0.92 |
| **Age group** | 5-14yrs | 15-29 yrs | Less | 0.36 | 0.24 | 0.54 |
| 30+ | Less | 0.29 | 0.11 | 0.73 |
| **Sex** | Male | Female |  |  |  |  |
| **Ethnicity** | Maori | European/ Other | Less | 0.11 | 0.04 | 0.31 |
| **Carditis** | Yes | No | Less | 0.63 | 0.39 | 1.03 |
| Unknown | Less | 0.24 | 0.10 | 0.55 |
| **Fever** | Yes | Unknown | More | 3.31 | 0.99 | 11.06 |
| **Elevated ESR** | Yes | No | Less | 0.53 | 0.28 | 1.00 |
| **Prolonged PR Interval** | Yes | No | Less | 0.52 | 0.33 | 0.83 |
| Unknown | Less | 0.25 | 0.12 | 0.51 |
| **DHB** | Counties Manukau | MidCentral | Less | 0.14 | 0.02 | 0.77 |
| Waikato | More | 2.50 | 1.02 | 6.16 |
| Waitemata | Less | 0.47 | 0.24 | 0.92 |
| **Delivery of prophylaxis** | Yes | Unknown | Less | 0.48 | 0.31 | 0.75 |
| **Region** | Auckland | Outside Auckland | More | 1.55 | 1.04 | 2.31 |

**Table 2: Significant differences in the odds of matching ARF cases from the initial hospitalisation dataset to the initial notification dataset**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field** | **Reference group** | **Comparison group** | **More/less likely to match than reference group** | **OR** | **LCI** | **UCI** |
| **Age group** | 5-14 years | 15-29 years | Less | 0.44 | 0.27 | 0.71 |
| >29 years | Less | 0.09 | 0.04 | 0.20 |
| **Sex** | Male | Female | Less | 0.64 | 0.42 | 0.96 |
| **Ethnicity** | Maori | European or Other | Less | 0.07 | 0.03 | 0.17 |
| **Hospital discharge type** | Routine | Non-routine | Less | 0.44 | 0.25 | 0.80 |
| **Hospital admission source** | Routine | Non-routine | Less | 0.34 | 0.12 | 0.97 |
| **Length of hospital stay** | <8 days | 8-14days | More | 5.51 | 2.68 | 11.34 |
| 15-29 days | More | 5.30 | 2.47 | 11.35 |
| 30+ days | More | 4.24 | 1.64 | 10.98 |
| **NZDep06 Index Score** | Quintile 5 | Quintile 1 | Less | 0.14 | 0.03 | 0.62 |
| Quintile 4 | Less | 0.55 | 0.33 | 0.93 |
| **NZDep13 Index Score** | Quintile 5 | Quintile 1 | Less | 0.09 | 0.01 | 1.03 |
| Quintile 4 | Less | 0.49 | 0.29 | 0.82 |
| **NZDep13 Index Score** | Quintile 5 | All other quintiles | Less | 0.53 | 0.34 | 0.83 |