**Additional File 3. Female only interaction model, rate ratios with 95% confidence intervals comparing suicide rate of ANZSCO major groups over time, 2009-2018**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | **Rate Ratio (95% CI)** | ***P*** |
| **Occupation** | | |  |  |
|  | Managers | | Reference |  |
|  | Professionals | | 1.11 (0.78 – 1.61) | 0.564 |
|  | Technicians/trades workers | | 1.49 (0.92 – 2.39) | 0.095 |
|  | Community/personal service workers | | 1.17 (0.80 – 1.73) | 0.429 |
|  | Clerical/administrative workers | | 0.63 (0.43 – 0.94) | 0.021 |
|  | Sales workers | | 0.64 (0.40 – 1.01) | 0.055 |
|  | Machinery operators/drivers | | 1.06 (0.43 – 2.22) | 0.886 |
|  | Labourers | | 0.88 (0.56 – 1.42) | 0.600 |
|  | Farmers/farm managers | | 0.50 (0.08 – 1.62) | 0.335 |
| **Age group** | | |  |  |
|  | 15-24 years | | Reference |  |
|  | 25-34 years | | 1.25 (1.05 – 1.48) | 0.013 |
|  | 35-44 years | | 1.53 (1.30 – 1.81) | <0.001 |
|  | 45-54 years | | 1.53 (1.30 – 1.81) | <0.001 |
|  | 55-64 years | | 1.14 (0.94 – 1.39) | 0.173 |
|  | 65+ years | | 0.72 (0.46 – 1.09) | 0.138 |
| **Year** | | |  |  |
|  | | 2007 - 2009 | Reference |  |
|  | | 2010 - 2012 | 0.97 (0.62 – 1.51) | 0.891 |
|  | | 2013 - 2015 | 1.25 (0.83 – 1.90) | 0.287 |
|  | | 2016 - 2018 | 0.76 (0.47 – 1.21) | 0.247 |
| **Occupation\*Year (Interaction)** | | |  |  |
|  | | Professionals\*2010-2012 | 1.01 (0.61 – 1.69) | 0.959 |
|  | | Technicians/trades workers\*2010-2012 | 0.90 (0.45 – 1.78) | 0.759 |
|  | | Community/personal service workers\*2010-2012 | 1.20 (0.70 – 2.07) | 0.500 |
|  | | Clerical/administrative workers\*2010-2012 | 0.98 (0.56 – 1.71) | 0.936 |
|  | | Sales workers\*2010-2012 | 1.24 (0.66 – 2.36) | 0.506 |
|  | | Machinery operators/drivers\*2010-2012 | 1.62 (0.58 – 4.82) | 0.367 |
|  | | Labourers\*2010-2012 | 1.42 (0.74 – 2.75) | 0.292 |
|  | | Farmers/farm managers\*2010-2012 | 3.09 (0.66 – 22.00) | 0.183 |
|  | | Professionals\*2013-2015 | 0.93 (0.57 – 1.51) | 0.772 |
|  | | Technicians/trades workers\*2013-2015 | 0.82 (0.43 – 1.58) | 0.560 |
|  | | Community/personal service workers\*2013-2015 | 0.91 (0.54 – 1.54) | 0.738 |
|  | | Clerical/administrative workers\*2013-2015 | 0.79 (0.46 – 1.35) | 0.393 |
|  | | Sales workers\*2013-2015 | 1.15 (0.63 – 2.12) | 0.652 |
|  | | Machinery operators/drivers\*2013-2015 | 0.68 (0.20 – 2.22) | 0.525 |
|  | | Labourers\*2013-2015 | 1.07 (0.57 – 2.04) | 0.829 |
|  | | Farmers/farm managers\*2013-2015 | 1.60 (0.30 – 11.96) | 0.599 |
|  | | Professionals\*2016-2018 | 1.33 (0.78 – 2.27) | 0.302 |
|  | | Technicians/trades workers\*2016-2018 | 1.86 (0.97 – 3.64) | 0.065 |
|  | | Community/personal service workers\*2016-2018 | 1.93 (1.11 – 3.39) | 0.021 |
|  | | Clerical/administrative workers\*2016-2018 | 1.50 (0.85 – 2.68) | 0.161 |
|  | | Sales workers\*2016-2018 | 1.55 (0.80 – 3.01) | 0.194 |
|  | | Machinery operators/drivers\*2016-2018 | 1.88 (0.65 – 5.74) | 0.250 |
|  | | Labourers\*2016-2018 | 1.95 (1.00 – 3.84) | 0.050 |
|  | | Farmers/farm managers\*2016-2018 | 2.64 (0.48 – 19.94) | 0.281 |