**Additional File 2. Male 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 | 0.91 (0.74 – 1.12) | 0.360 |
|  | Technicians/trades workers | 1.52 (1.26 – 1.85) | <0.001 |
|  | Community/personal service workers | 1.54 (1.21 – 1.94) | <0.001 |
|  | Clerical/administrative workers | 0.70 (0.53 – 0.92) | 0.012 |
|  | Sales workers | 0.75 (0.57 – 0.99) | 0.041 |
|  | Machinery operators/drivers | 1.46 (1.18 – 1.80) | <0.001 |
|  | Labourers | 2.33 (1.83 – 2.72) | <0.001 |
|  | Farmers/farm managers | 1.60 (1.17 – 2.16) | 0.002 |
| **Age group** |  |  |
|  | 15-24 years | Reference |  |
|  | 25-34 years | 1.38 (1.25 – 1.52) | <0.001 |
|  | 35-44 years | 1.62 (1.47 – 1.78) | <0.001 |
|  | 45-54 years | 1.56 (1.42 – 1.72) | <0.001 |
|  | 55-64 years | 1.33 (1.20 – 1.47) | <0.001 |
|  | 65+ years | 1.22 (1.06 – 1.41) | 0.005 |
| **Year** |  |  |
|  | 2007 - 2009 | Reference |  |
|  | 2010 - 2012 | 0.99 (0.80 – 1.23) | 0.950 |
|  | 2013 - 2015 | 0.21 (0.98 – 1.50) | 0.069 |
|  | 2016 - 2018 | 1.13 (0.91 – 1.40) | 0.259 |
| **Occupation\*Year (Interaction)** |  |  |
|  | Professionals\*2010-2012 | 0.91 (0.67 – 1.22) | 0.517 |
|  | Technicians/trades workers\*2010-2012 | 1.00 (0.76 – 1.31) | 0.981 |
|  | Community/personal service workers\*2010-2012 | 1.02 (0.73 – 1.43) | 0.885 |
|  | Clerical/administrative workers\*2010-2012 | 1.24 (0.85 – 1.82) | 0.259 |
|  | Sales workers\*2010-2012 | 1.12 (0.76 – 1.64) | 0.561 |
|  | Machinery operators/drivers\*2010-2012 | 0.97 (0.72 – 1.31) | 0.839 |
|  | Labourers\*2010-2012 | 0.84 (0.64 – 1.12) | 0.238 |
|  | Farmers/farm managers\*2010-2012 | 0.70 (0.44 – 1.11) | 0.129 |
|  | Professionals\*2013-2015 | 0.82 (0.61 – 1.10) | 0.182 |
|  | Technicians/trades workers\*2013-2015 | 0.73 (0.56 – 0.96) | 0.023 |
|  | Community/personal service workers\*2013-2015 | 0.94 (0.68 – 1.30) | 0.708 |
|  | Clerical/administrative workers\*2013-2015 | 0.83 (0.56 – 1.22) | 0.345 |
|  | Sales workers\*2013-2015 | 0.77 (0.52 – 1.13) | 0.185 |
|  | Machinery operators/drivers\*2013-2015 | 0.84 (0.62 – 1.12) | 0.225 |
|  | Labourers\*2013-2015 | 0.65 (0.49 – 0.86) | 0.002 |
|  | Farmers/farm managers\*2013-2015 | 0.77 (0.50 – 1.19) | 0.238 |
|  | Professionals\*2016-2018 | 0.97 (0.72 – 1.30) | 0.827 |
|  | Technicians/trades workers\*2016-2018 | 0.85 (0.65 – 1.12) | 0.243 |
|  | Community/personal service workers\*2016-2018 | 0.87 (0.62 – 1.21) | 0.415 |
|  | Clerical/administrative workers\*2016-2018 | 0.84 (0.57 – 1.24) | 0.382 |
|  | Sales workers\*2016-2018 | 1.12 (0.78 – 1.63) | 0.535 |
|  | Machinery operators/drivers\*2016-2018 | 0.88 (0.66 – 1.19) | 0.409 |
|  | Labourers\*2016-2018 | 0.79 (0.59 – 1.04) | 0.089 |
|  | Farmers/farm managers\*2016-2018 | 1.00 (0.66 – 1.52) | 0.998 |