**Supplementary Table 3: Multivariable regression of mental health outcome predictors in senior medical staff**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Anxiety** | **Depression** | **PTSD** | **Burnout** |
| **Depersonalisation** | **Emotional Exhaustion** | **Personal Achievement** |
| **OR (95% CI)** | **p** | **OR (95% CI)** | **p** | **OR (95% CI)** | **p** | **OR (95% CI)** | **p** | **OR (95% CI)** | **p** | **OR (95% CI)** | **p** |
| **Age** | - | ns | - | ns | - | ns | 0.69 (0.58-0.81) | <0.0001 | 0.84 (0.71-1.00) | 0.0480 | - | ns |
| **Female gender** | - | ns | - | ns | 1.40 (1.03-1.91) | 0.03 | 0.63 (0.48-0.82) | 0.001 | - | ns |  |  |
| **State (Victoria)** |  |  |  |  | 1.59 (1.11-2.27) | 0.011 |  |  |  |  |  |  |
| **Frontline area** |
| Anaesthetics/periop/surgical | - | ns | - | ns | - | ns | 0.45 (0.30-0.68) | 0.0001 | - | ns | - | ns |
| Medical specialty areas | - | ns | - | ns | - | ns | 0.40 (0.28-0.57) | <0.0001 | - | ns | - | ns |
| Primary care | - | ns | - | ns | - | ns | 0.29 (0.11-0.72) | 0.008 | - | ns | - | ns |
| ICU | - | ns | - | ns | 0.37 (0.17-0.78) | 0.009 | 0.43 (0.25-0.74) | 0.002 | - | ns | - | ns |
| **Lives alone** |  |  |  |  |  |  | 2.40 (1.57-3.64) | <0.0001 | 1.61 (1.04-2.49) | 0.034 | 0.57 (0.37-0.87) | 0.009 |
| **Children at home** |  |  |  |  |  |  | 1.48 (1.11-1.97) | 0.008 | - | ns |  |  |
| **Elders at home** |  |  |  |  |  |  | - | ns | - | ns |  |  |
| **Worse relationships with:** |
| Partner | - | ns | 2.01 (1.29-3.12) | 0.002 | 2.01 (1.33-3.02) | 0.001 | - | ns | 1.81 (1.17-2.82) | 0.0080 | - | ns |
| Family | 2.45 (1.30-3.74) | <0.0001 | 1.71 (1.08-2.70) | 0.022 | 1.52 (1.01-2.31) | 0.047 | - | ns | - | ns |  |  |
| Friends | 1.64 (1.12-2.41) | 0.012 | 1.77 (1.20-2.60) | 0.004 | 1.82 (1.32-2.52) | 0.0003 | - | ns | 1.42 (1.04-1.93) | 0.028 | - | ns |
| Colleagues | 2.00 (1.34-3.00) | 0.001 | - | ns | - | ns | 1.47 (1.07-2.01) | 0.017 |  |  | 0.63 (0.45-0.89) | 0.009 |
| **Prior Mental Health Diagnosis** | 2.38 (1.62-3.48) | <0.0001 | 3.38 (2.32-4.93) | <0.0001 | 1.94 (1.38-2.74) | 0.0002 | 1.50 (1.11-2.03) | 0.009 | 2.31 (1.61-3.33) | <0.0001 |  |  |
| **Concerns about household income** | 1.62 (1.12-2.33) | 0.010 | 1.51 (1.04-2.20) | 0.032 | - | ns |  |  | - | ns |  |  |
| **Received training in PPE usage** | - | ns |  |  | 0.62 (0.41-0.94) | 0.026 |  |  |  |  |  |  |
| **Currently working with COVID-19 patients** |  |  |  |  |  |  | - | ns |  |  |  |  |
| **Worried colleagues will blame them** | 2.24 (1.49-3.37) | 0.0001 | 2.41 (1.59-3.65) | <0.0001 | 2.24 (1.62-3.11) | <0.0001 |  |  | 1.42 (1.08-1.86) | 0.012 |  |  |
| **Worried about infecting family** | 1.71 (1.11-2.63) | 0.015 | - | ns | 1.72 (1.21-2.45) | 0.002 |  |  | 1.71 (1.27-2.30) | <0.0001 | 0.66 (0.48-0.93) | 0.016 |
| PTSD = post-traumatic stress disorder, ns = not significant in multivariate regressionOutcome comparators: personal achievement - moderate to high vs low, all other outcomes - moderate to severe symptoms vs none to mildReference categories: Age (ordinal), female gender vs male, Victoria vs other states, frontline area vs emergency department, lives alone vs with others, children vs none, elders vs none, worse relationships vs negative response, prior mental health diagnosis vs none, concerns about household vs none, received PPE training vs did not, worried colleagues will blame vs negative response, worried about infecting family vs negative response. |