**Supplemental Table B**: Logistic Regression

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Multivariable Logistic Regression** | n | OR | 95% CI | P |
| Parameter | 952 |  |  |  |
| **In the past month, what percentage of shifts have you been unable to complete all your work:** 0% - reference100%< 25%< 50%50-74%75-99%Do not provide patient careNot reported | 2494330111892116285 | 0.841.101.380.770.905.820.21 | 0.38-1.880.71-1.710.78-2.440.42-1.410.51-1.600.86-39.40.004-9.91 | 0.680.680.260.400.720.0710.43 |
| **In the past month, how many shifts have you worked without adequate RT staffing:**Never - referenceAlways (Frequently (Not reportedOccasionallyRarely | 741252858274186 | 0.280.270.140.600.68 | 0.12-0.690.12-0.630.01-2.220.26-1.390.29-1.60 | 0.0060.0020.160.230.37 |
| **In the past month, what percentage of your shifts have you provided direct patient care to COVID-19 patients:**Do not provide direct patient care100%< 50%50-74%75-99%5Not reported | 472612491452473 | 10.56.25.89.3n/a | 2.97-36.91.81-21.31.66-20.52.63-32.90-inf | <0.0010.0040.0060.001>0.99 |
| **What is your highest degree?**Reference AssociateBachelor’MastersNot reportedOtherPhD or doctorate | 42343584145 | 0.870.5602.59n/a | 0.62-1.200.30-1.070-inf0.13-51.50-inf | 0.390.079>0.990.53>0.99 |
| **What patient populations do you primarily care for?**Adults – referenceBothDo not provide patient careNeonatal/pediatricsNot reported | 508164252487 | 1.30Inf1.010.36 | 0.84-2.010-inf0.63-1.610.06-2.02 | 0.23>0.990.970.25 |
| **What shift do you work?**Day shift – referenceEveningNight shiftNot reportedRotating | 50920322794 | 1.030.710.960.72 | 0.35-3.040.50-1.00.12-7.410.43-1.23 | 0.960.0480.970.23 |
| **What is your role within your department?**LeadershipNot reportedOtherStaff therapist | 240816688 | 0.450.300.33 | 0.08-2.550.08-1.080.22-0.51 | 0.370.066<0.001 |
| **In the past month, I have missed work for any reason**No – ReferenceN/A or prefer not to answerYes | 61941292 | 2.250.69 | 0.88-5.770.49-0.99 | 0.0910.044 |
| **In the past month, my activities have been restricted due to illness**No – ReferenceN/A or prefer not to answerYes | 74948155 | 0.861.06 | 0.38-1.910.69-1.63 | 0.700.81 |
| **People in this work environment (respiratory care department) are burned out from their work:**No – referenceN/A or prefer not to answerYes | 17011771 | 1.930.42 | 0.26-14.20.23-0.75 | 0.520.003 |
| **Burned Out**No – ReferenceYes | 198754 | 1.37 | 0.70-2.69 | 0.63 |
| **Continuous Variables**Burnout ScoreHours worked per weekHours worked per week in ICUCommute time |  | 0.981.011.01.00 | 0.97-0.990.99-1.030.99-1.011.00-1.01 | 0.0010.420.460.63 |

*Supplemental Table B details the logistic regression analysis of survey responses.*