**SDC #1**

Relationships between Nursing and Organizational Variables and In-hospital Mortality

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| --- | --- | --- |
|  | **RACHS-1 Risk Adjusted** | |
|  | **Odds Ratio** | **P Value** |
| *Total RNs* |  |  |
| % RNs part-time (↑10%) | 0.99 | 0.80 |
| *Education* |  |  |
| % RNs with diploma (↑10%) | 1.17 | 0.16 |
| % RNs with BSN or higher (↑10%) | 0.91 | 0.02 |
| *Specialty Certification* |  |  |
| % RNs with CCRN (↑10%) | 0.93 | 0.06 |
| *Clinical Experience* |  |  |
| % RNs with ≤ 2 yrs (↑10%) | 1.12 | <0.001 |
| % RNs with ≤ 5 yrs (↑10%) | 1.08 | 0.10 |
| % RNs with ≥ 11 yrs (↑10%) | 0.89 | 0.04 |
| % RNs with ≥ 16 yrs (↑10%) | 0.82 | 0.006 |
| *Indirect Resources* |  |  |
| Clinical Coordinator | 1.02 | 0.88 |
| Clinical Nurse Spec and/  or Unit Educator | \* | --- |
| Dedicated Charge RN | 1.01 | 0.98 |
| Nurse Director | 0.83 | 0.43 |
| Nurse Manager | 1.01 | 0.92 |
| Nurse Scientist (hospital) | 1.06 | 0.70 |
| Physician’s Assistant | 0.88 | 0.37 |
| Nurse Practitioner | 0.81 | 0.10 |
| Resource Nurse | 0.90 | 0.44 |
| Attending Fellow (12hr) | 0.73 | 0.13 |
| Attending Fellow (13-24hr) | 0.93 | 0.58 |
| Attending MD (12hr) | 0.82 | 0.24 |
| Attending MD (13-24hr) | 1.23 | 0.24 |
| *Processes of Care* |  |  |
| Unit Based Medication Safety | 1.04 | 0.85 |
| Simulations | 0.99 | 0.97 |
| Clinical Practice Guidelines | 0.91 | 0.57 |
| Quality Metrics (unit) | 0.84 | 0.18 |
| Nurse Developed Algorithms | 1.21 | 0.14 |
| Magnet Recognition | 1.11 | 0.48 |
| Dedicated CICU | 0.87 | 0.28 |
| *Volume of Congenital Heart Surgeries* |  |  |
| Average Annual Number of Cases of Congenital Heart Surgery |  |  |
| <200 | 1.46 | 0.03 |
| 200-299 | 1.36 | 0.09 |
| 300-399 | 1.26 | 0.14 |
| ≥400 | 1.00 | --- |