|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **30 Day Readmission** | **3 Month Readmission** | **6 Month Readmission** |
| Pre-Injury ASA Score | Odds Ratio | P-Value | Odds Ratio | P-Value | Odds Ratio | P-Value |
| 1 | REF | - | REF | - | REF | - |
| 2 | 2.81 (1.88 – 4.22) | P < 0.0001 | 1.91 (1.38 – 2.64) | P < 0.0001 | 1.75 (1.31 – 2.34) | P = 0.0001 |
| 3 | 3.59 (2.43 – 5.32) | P < 0.0001 | 2.35 (1.73 – 3.21) | P < 0.0001 | 2.05 (1.55 – 2.71) | P < 0.0001 |
| 4 | 7.52 (4.72 – 11.99) | P < 0.0001 | 3.72 (2.53 – 5.48) | P < 0.0001 | 2.61 (1.82 – 3.75) | P < 0.0001 |
| Remaining Variables Included | Age18 – 39 years40 – 59 years60 – 79 years80 years or olderSexMaleFemaleMechanismPenetratingBluntInjury Severity ScoreISS < 16ISS 16 – 24ISS > 24Length of Stay≤ 7 days8 – 28 days> 28 daysNeed for SurgeryNone1 Surgery> 1 SurgeriesDischarge DispositionHomeHome with SupportsMedical Care Facility | REFNSNSNSNSREFNSREFREFNSNSREFNSNSREFNSP < 0.05REFP < 0.05P < 0.05 (P) | Age18 – 39 years40 – 59 years60 – 79 years80 years or olderSexMaleFemaleMechanismPenetratingBluntInjury Severity ScoreISS < 16ISS 16 – 24ISS > 24Length of Stay≤ 7 days8 – 28 days> 28 daysNeed for SurgeryNone1 Surgery> 1 SurgeriesDischarge DispositionHomeHome with SupportsMedical Care Facility | REFNSNSP < 0.05NSREFNSREFREFNSNSREFNSNSREFNSP < 0.05REFP < 0.05P < 0.05 (P) | Age18 – 39 years40 – 59 years60 – 79 years80 years or olderSexMaleFemaleMechanismPenetratingBluntInjury Severity ScoreISS < 16ISS 16 – 24ISS > 24Length of Stay≤ 7 days8 – 28 days> 28 daysNeed for SurgeryNone1 Surgery> 1 SurgeriesDischarge DispositionHomeHome with SupportsMedical Care Facility | REFNSP < 0.05P < 0.05NSREFNSREFREFNSNSREFNSNSREFNSNSREFP < 0.05P < 0.05 (P) |

Table 3 – Results of Multivariate Logistic Regression

Odds Ratio is presented as (OR, 95% CI), REF = Reference Level, (P) = Variable is protective against readmission