| ***Variable*** | ***3 (n = 35)*** | ***4 (n = 87)*** | ***5 (n = 44)*** | ***p*** | ***test*** |
| --- | --- | --- | --- | --- | --- |
| index\_operative: Operative | 0 (0%) | 57 (66%) | 44 (100%) | 2e-23 | Fisher exact |
| index\_group: IR | 13 (37%) | 9 (10%) | 0 (0%) | 5e-22 | Fisher exact |
| index\_group: OR\_K | 0 (0%) | 57 (66%) | 44 (100%) | 5e-22 | Fisher exact |
| index\_group: SM | 22 (63%) | 21 (24%) | 0 (0%) | 5e-22 | Fisher exact |
| survived: Y | 35 (100%) | 77 (89%) | 38 (86%) | 0.055 | Fisher exact |
| renal\_pres: Y | 35 (100%) | 53 (61%) | 13 (30%) | 2e-11 | Fisher exact |
| AKI: Y | 9 (26%) | 27 (35%) | 18 (47%) | 0.15 | Chi-squared |
| return\_ed\_30d: Y | 10 (29%) | 20 (26%) | 17 (45%) | 0.12 | Chi-squared |
| GCS | 13.7 ± 2.3 | 13.5 ± 3.3 | 12.8 ± 3.9 | 0.23 | Kruskal-Wallis |
| ED\_SBP | 117.2 ± 39 | 114.2 ± 31.3 | 119.2 ± 28.1 | 0.69 | ANOVA |
| ED\_DBP | 71 ± 30.7 | 68.2 ± 25.4 | 68.8 ± 18.1 | 0.84 | Kruskal-Wallis |
| MAP\_calc | 88.2 ± 27.7 | 85.4 ± 26 | 83.9 ± 24 | 0.75 | ANOVA |
| ED\_HR | 101.4 ± 31.2 | 96.5 ± 30.2 | 95 ± 27.7 | 0.61 | ANOVA |
| ISS | 25 [19–32] | 30 [22.5–35] | 28 [21.25–35.75] | 0.29 | Kruskal-Wallis |
| surv\_ICU\_LOS | 5.6 ± 3.1 | 10.1 ± 7.6 | 10.2 ± 6.3 | 0.007 | Kruskal-Wallis |
| vent\_LOS | 7.2 ± 4.1 | 7.8 ± 4.6 | 10.9 ± 6.4 | 0.034 | Kruskal-Wallis |
| surv\_hosp\_LOS | 14.4 ± 8.4 | 24.8 ± 15.3 | 31.5 ± 19.8 | 1e-04 | Kruskal-Wallis |
| Age | 29 [21.5–32.5] | 28 [21–35] | 28.5 [21.75–37.25] | 0.73 | Kruskal-Wallis |
| BMI | 25.2 ± 6.5 | 25.7 ± 5.9 | 26.3 ± 5.9 | 0.71 | ANOVA |

*Statistical Methods: For continuous variables, normality was assessed using the Shapiro-Wilk test. For 2-group comparisons, normally distributed variables were compared using Welch’s t-test; non-normal distributions were compared using the Wilcoxon rank-sum test. For 3-group comparisons, normally distributed variables were compared using one-way ANOVA; non-normal or ordinal variables specified by the user were compared using the Kruskal-Wallis test. Categorical variables were compared using Chi-squared tests or Fisher’s exact tests if expected counts were <5. Ordinal variables were summarized as medians [IQR] and compared using appropriate non-parametric tests. Note: Approximate p-values were used for non-parametric tests with tied data.*