**Quality of care indicators for a resuscitation unit: a descriptive study and proposal**

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Table S1. Bivariate analysis for 30-day readmission

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| **Variable** | **30-day readmission** | | **p-value** |
| **No** (N=7523) | **Yes** (N=25) |
| Women | 2809 (37.4) | 10 (40.0) | .948 |
| Age, years | 68 (52, 79) | 65 (46, 76) | .363 |
| Diagnostic |  |  | .341 |
| *Cardiorespiratory arrest* | 92 (1.22) | 0 (-) |
| *Cardiac pathology* | 1566 (20.8) | 6 (24.0) |
| *Polytrauma or TBI* | 646 (8.59) | 1 (4.0) |
| *Neurological pathology* | 2485 (33.0) | 5 (20.0) |
| *Respiratory pathology* | 403 (5.36) | 3 (12.0) |
| *Digestive or abdominal pathology* | 545 (7.24) | 4 (16.0) |
| *Others* | 1754 (23.3) | 6 (24.0) |
| *Without diagnostic* | 32 (0.43) | 0 (-) |
| Destination at disposition |  |  | .002 |
| *Emergency box* | 6218 (82.7) | 17 (68.0) |
| *Intensive care and specialized units* | 158 (2.10) | 2 (8.0) |
| *Surgery* | 29 (0.39) | 0 (-) |
| *Hospital ward* | 1095 (14.6) | 4 (16.0) |
| *Others* | 21 (0.28) | 2 (8.0) |
| Triage level |  |  | .612 |
| *1, resuscitation* | 919 (13.4) | 3 (13.6) |
| *2, emergent* | 3673 (53.5) | 11 (50.0) |
| *3, urgent* | 1915 (27.9) | 6 (27.3) |
| *4, less urgent* | 223 (3.25) | 1 (4.55) |
| *5, non-urgent* | 132 (1.92) | 1 (4.55) |
| Length of stay in the unit, hours | 0.87 (0.5, 1.5) | 0.78 (0.58, 1.54) | .767 |
| Length of hospital stay, days | 1.0 (1.0, 1.0) | 1.5 (1.0, 5.5) | <.001 |
| Length of hospital stay |  |  | <.001 |
| *≤1 day* | 6654 (88.9) | 12 (50.0) |
| *(1, 5] days* | 281 (3.76) | 6 (25.0) |
| *>5 days* | 547 (7.31) | 6 (25.0) |
| Values are shown as frequencies and percentages for qualitative variables, and medians and percentiles 25% and 75% for quantitative variables. P-values correspond to the Pearson’s chi-squared test or the Mann-Whitney U test.  TBI: traumatic brain injury. | | | |

Table S2. Multivariable logistic regression analysis for 30-day readmission

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| --- | --- | --- | --- | --- |
| **Variable** | **Model parameter** | **SE** | **OR (95% CI)** | **p-value** |
| Intercept | -6.318 | 0.289 | - | <.001 |
| LOS (ref. ≤1 day) |  |  |  |  |
| (1, 5] days | 2.472 | 0.504 | 11.8 (4.10; 30.7) | <.001 |
| >5 days | 1.805 | 0.502 | 6.08 (2.11; 15.7) | <.001 |
| SE: standard error; OR: odds-ratio; CI: confidence interval; LOS: length of stay; ref: reference. | | | | |

Table S3. Bivariate analysis for length of hospital stay

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| **Variable** | **Length of hospital stay, days** | | | **p-value** |
| **≤1** (N=6666) | **(1, 5]** (N=287) | **>5** (N=553) |
| Women | 2488 (37.3) | 114 (39.7) | 202 (36.5) | .908 |
| Age, years | 68 (52, 80) | 67 (52.5, 79) | 67 (50, 79) | .589 |
| Diagnostic |  |  |  | <.001 |
| *Cardiorespiratory arrest* | 79 (1.19) | 7 (2.44) | 6 (1.08) |
| *Cardiac pathology* | 1423 (21.3) | 49 (17.1) | 98 (17.7) |
| Multiple trauma *or TBI* | 583 (8.75) | 22 (7.67) | 38 (6.87) |
| *Neurological pathology* | 2055 (30.8) | 147 (51.2) | 265 (47.9) |
| Respiratory pathology | 326 (4.89) | 17 (5.92) | 59 (10.7) |
| *Digestive or abdominal pathology* | 520 (7.80) | 9 (3.14) | 16 (2.89) |
| *Others* | 1656 (24.8) | 33 (11.5) | 66 (11.9) |
| *Without diagnostic* | 24 (0.36) | 3 (1.05) | 5 (0.90) |
| *Destination at disposition* |  |  |  | <.001 |
| *Emergency box* | 5970 (89.6) | 91 (31.7) | 171 (31.0) |
| *Intensive care and specialized units* | 113 (1.70) | 17 (5.92) | 27 (4.89) |
| *Surgery* | 22 (0.33) | 1 (0.35) | 5 (0.91) |
| *Hospital ward* | 542 (8.13) | 176 (61.3) | 347 (62.9) |
| *Others* | 18 (0.27) | 2 (0.70) | 2 (0.36) |
| Triage level |  |  |  | .156 |
| *1, resuscitation* | 836 (13.7) | 26 (9.81) | 54 (10.9) |
| *2, emergent* | 3258 (53.6) | 145 (54.7) | 259 (52.2) |
| *3, urgent* | 1678 (27.6) | 82 (30.9) | 152 (30.6) |
| *4, less urgent* | 191 (3.14) | 8 (3.02) | 23 (4.64) |
| *5, non-urgent* | 121 (1.99) | 4 (1.51) | 8 (1.61) |
| Length of stay in the unit, hours | 0.88 (0.5, 1.5) | 0.82 (0.42, 1.5) | 0.83 (0.5, 1.58) | .401 |
| Values are shown as frequencies and percentages for qualitative variables, and medians and percentiles 25% and 75% for quantitative variables. P-values correspond to the Pearson’s chi-squared test or the Kruskal-Wallis test.  TBI: traumatic brain injury. | | | | |

Table S4. Multivariable cumulative regression analysis for length of stay

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| **Variable** | **Model parameter** | **SE** | **OR (95% CI)** | **p-value** |
| Intercept 1 | -3.512 | 0.270 | - | <.001 |
| Intercept 2 | -4.104 | 0.274 | - | <.001 |
| Women | -0.077 | 0.117 | 0.93 (0.74; 1.16) | .509 |
| Age, years | 0.006 | 0.003 | 1.01 (1.00; 1.01) | .043 |
| Length of stay in the unit, hours | -0.074 | 0.047 | 0.93 (0.85; 1.02) | .114 |
| Triage level (ref. 1, resuscitation) |  |  |  |  |
| 2, emergent | 0.140 | 0.184 | 1.15 (0.80; 1.65) | .447 |
| 3, urgent | 0.184 | 0.196 | 1.20 (0.82; 1.76) | .349 |
| 4, less urgent | -0.483 | 0.406 | 0.62 (0.28; 1.37) | .235 |
| 5, non-urgent | 0.467 | 0.409 | 1.60 (0.72; 3.56) | .253 |
| Destination (ref. emergency box) |  |  |  |  |
| Intensive care | 2.136 | 0.235 | 8.47 (5.35; 13.4) | <.001 |
| Surgery | 1.527 | 0.752 | 4.61 (1.06; 20.1) | .042 |
| Hospital ward | 2.938 | 0.120 | 18.9 (14.9; 23.9) | <.001 |
| Others | 1.432 | 0.646 | 4.19 (1.18; 14.9) | .027 |
| SE: standard error; OR: odds-ratio; CI: confidence interval; ref: reference. | | | | |