

SUPPLEMENTARY FILE 4

Adjusted Odds Ratios (AORs) for the association between In-hospital mortality and vital signs in a subgroup analyses: Trauma.

Case definition: Trauma patients were selected by hospitalized patients, triaged orange or red and by the following triage presenting complaints: Severe trauma; facial complaints; fall; extremity complaints; large scale incidents; neck pain; thorax injury; head injury; wounds. Additionally, a radiological test had to be performed.

| | Total cohort |
|--------------------------------------------|-------------------|
| Systolic blood pressure (mmHg) | |
| >140* | 1.00 |
| 121-140 | 1.18 (0.73-1.94) |
| 101-120 | 1.31 (0.75-2.30) |
| 81-100 | 1.64 (0.79-3.41) |
| 0-80 | 1.72 (0.67-4.40) |
| Diastolic blood pressure (mmHg) | |
| >120* | 1.00 |
| 101-120 | 0.80 (0.29-2.23) |
| 81-100 | 0.35 (0.13-0.91) |
| 61-80 | 0.46 (0.18-1.20) |
| 0-60 | 0.72 (0.26-2.01) |
| Mean Arterial blood pressure (mmHg) | |
| >120* | 1.00 |
| 101-120 | 0.50 (0.30-0.85) |
| 81-100 | 0.56 (0.33-0.95) |
| 61-80 | 1.13 (0.63-2.04) |
| 0-60 | 1.70 (0.64-4.50) |
| Peripheral oxygen saturation (%) | |
| 96-100* | 1.00 |
| 91-95 | 1.87 (1.24-2.82) |
| 86-90 | 5.75 (3.14-10.52) |
| 81-85 | 6.88 (2.61-18.12) |
| 0-80 | 4.59 (1.55-13.57) |
| Respiratory rate (/min) | |
| Not measured* | 1.00 |
| 0-9 | # |
| 10-19 | 1.95 (1.04-3.65) |
| 20-29 | 2.28 (1.16-4.48) |
| >30 | 4.55 (1.35-15.31) |
| Heart rate (beats/min) | |
| >125 | 4.22 (1.76-10.1) |
| 101-125 | 2.49 (1.43-4.33) |
| 76-100 | 1.03 (0.66-1.59) |
| 51-75* | 1.00 |
| 0-50 | 2.05 (0.74-5.68) |
| Temperature (°C) | |
| Not measured* | 1.00 |
| ≥40 | # |
| 38-39 | 1.16 (0.42-3.19) |
| 35-37 | 1.20 (0.78-1.85) |
| 31-34 | 4.84 (1.13-20.75) |
| 0-30 | 0.74 (0.04-15.27) |

*= reference category

No outcome events for this category