Table S1. Adjusted odds ratios for serious outcome in each age group

|                        | 0-9     | 10-19   | 20-29   | 30-39   | 40-49   | 50-59   | 60-69   | ≥70     |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Total                  |         |         |         |         |         |         |         |         |
| Foreigner patient      | 0.80 (0.51–1.24) | 0.64 (0.46–0.95)* | 1.22 (1.11–1.35)** | 1.33 (1.21–1.46)** | 1.15 (1.05–1.27)* | 0.93 (0.84–1.03) | 0.86 (0.74–1.01) | 0.49 (0.37–0.66)** |
| Intentional injury     | 1.10 (0.13–9.18) | 4.03 (3.66–4.46)** | 3.13 (2.92–3.36)** | 3.31 (3.11–3.52)** | 2.83 (2.78–3.09)** | 2.72 (2.57–2.87)** | 2.75 (2.55–2.96)** | 3.15 (2.96–3.34)** |
| No insurance           | 2.92 (2.40–3.54)** | 2.21 (1.98–2.45)** | 1.84 (1.72–1.97)** | 2.23 (2.10–2.37)** | 2.20 (2.09–2.31)** | 2.08 (1.98–2.18)** | 1.97 (1.84–2.11)** | 2.21 (2.06–2.36)** |
| Urban area             | 0.69 (0.65–0.74)** | 0.85 (0.81–0.90)** | 0.85 (0.80–0.87)** | 0.82 (0.79–0.85)** | 0.81 (0.78–0.83)** | 0.86 (0.83–0.88)** | 0.84 (0.81–0.87)** | 0.87 (0.85–0.89)** |
| Age                    | 1.17 (1.16–1.19)** | 1.05 (1.04–1.06)** | 0.99 (1.00–1.00)** | 1.03 (1.02–1.03)** | 1.02 (1.02–1.03)** | 1.03 (1.02–1.03)** | 1.01 (1.00–1.01)** | 1.19 (1.15–1.63)** |
| Male sex               | 1.07 (1.00–1.14)* | 1.51 (1.42–1.60)** | 2.00 (1.91–2.10)** | 2.07 (1.98–2.16)** | 2.01 (1.94–2.08)** | 2.11 (2.06–2.18)** | 1.81 (1.75–1.88)** | 1.59 (1.55–1.63)** |
| Determination of emergency symptom | 3.87 (3.35–4.47)** | 4.22 (3.75–4.77)** | 3.80 (3.48–4.14)** | 3.13 (2.90–3.38)** | 3.00 (2.82–3.19)** | 3.48 (3.28–3.69)** | 3.54 (3.29–3.81)** | 2.77 (2.61–2.93)** |
| Decreased consciousness| 69.86 (63.38–76.99)** | 28.30 (26.36–30.38)** | 20.42 (19.36–21.50)** | 17.18 (16.32–18.08)** | 14.01 (13.46–14.59)** | 14.49 (13.98–15.02)** | 15.46 (14.83–16.16)** | 13.61 (13.16–14.08)** |
| Low blood pressure at ED presentation | 1.77 (1.59–1.96)** | 5.26 (4.74–5.83)** | 10.47 (9.64–11.37)** | 9.67 (8.97–10.42)** | 9.27 (8.73–9.84)** | 7.86 (7.45–8.30)** | 7.39 (6.91–7.89)** | 6.46 (6.12–6.85)** |
| Transfer to other hospital | 3.23 (2.66–3.93)** | 3.60 (3.25–4.00)** | 2.85 (2.63–3.08)** | 2.63 (2.45–2.82)** | 2.47 (2.34–2.60)** | 2.26 (2.16–2.37)** | 1.94 (1.84–2.04)** | 1.38 (1.32–1.43)** |
| Length of stay in ER   | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** |
| Table S1. Continued |
|---------------------|
| **Age group (yr), adjusted OR (95% CI)** |
| 0–9 | 10–19 | 20–29 | 30–39 | 40–49 | 50–59 | 60–69 | ≥70 |
| **Native patients** | | | | | | | | |
| Intentional injury | 1.10 (0.13–9.17) | 4.03 (3.64–4.46)** | 3.12 (2.90–3.35)** | 2.98 (2.78–3.09)** | 2.71 (2.57–2.87)** | 2.75 (2.55–2.97)** | 3.15 (2.96–3.34)** |
| No insurance | 3.06 (2.51–3.72)** | 2.25 (2.02–2.51)** | 2.04 (1.90–2.19)** | 2.40 (2.25–2.55)** | 2.32 (2.20–2.44)** | 2.16 (2.06–2.27)** | 2.05 (1.91–2.20)** |
| Urban area | 0.70 (0.65–0.75)** | 0.86 (0.81–0.91)** | 0.85 (0.81–0.89)** | 0.83 (0.79–0.86)** | 0.86 (0.83–0.88)** | 0.88 (0.88–0.87)** | 0.87 (0.85–0.89)** |
| Age | 1.18 (1.16–1.19)** | 1.05 (1.04–1.06)** | 0.99 (0.98–1.00) | 1.03 (1.02–1.04)** | 1.03 (1.02–1.04)** | 1.03 (1.02–1.04)** | 1.03 (1.02–1.04)** |
| Male sex | 1.07 (1.00–1.14)* | 1.52 (1.43–1.61)** | 2.00 (1.90–2.10)** | 2.07 (1.98–2.16)** | 2.01 (1.94–2.08)** | 2.11 (2.05–2.18)** | 1.81 (1.74–1.88)** |
| Determination of emergency symptom | 3.93 (3.40–4.54)** | 4.24 (3.76–4.87)** | 3.79 (3.46–4.14)** | 3.11 (2.88–3.36)** | 2.98 (2.79–3.17)** | 3.47 (3.27–3.69)** | 3.54 (3.29–3.82)** |
| Decreased consciousness | 69.84 (63.35–76.99)** | 28.44 (26.49–30.54)** | 20.56 (19.47–21.72)** | 17.08 (16.21–17.99)** | 14.49 (13.35–14.49)** | 13.70 (12.68–14.70)** | 13.68 (12.15–14.07)** |
| Low blood pressure at ED presentation | 1.77 (1.00–1.00)* | 1.72 (1.00–1.00)* | 1.70 (1.00–1.00)* | 1.69 (1.00–1.00)* | 1.68 (1.00–1.00)* | 1.67 (1.00–1.00)* | 1.66 (1.00–1.00)* |
| Transfer to other hospital | 3.24 (2.67–3.94)** | 3.56 (3.21–3.95)** | 2.87 (2.65–3.10)** | 2.47 (2.34–2.60)** | 2.27 (2.17–2.38)** | 1.93 (1.83–2.03)** | 1.38 (1.32–1.43)** |
| Length of stay in ER | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)* | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** | 1.00 (1.00–1.00)** |
| **Foreigner patients** | | | | | | | | |
| Intentional injury | 0.00 (0–Inf) | 1.74 (0.41–7.35) | 3.35 (2.29–4.91)* | 251.15–400)** | 190.09–3.75| 1.20 (0.42–3.43) | 3.98 (0.94–16.50) |
| No insurance | 1.29 (0.50–3.37) | 0.76 (0.33–1.74) | 0.88 (0.72–1.07) | 1.19 (0.99–1.44) | 1.10 (0.91–1.34) | 1.06 (0.86–1.31) | 0.81 (0.58–1.22) |
| Urban area | 0.22 (0.08–0.58)* | 0.37 (0.16–0.85)* | 0.62 (0.51–0.75)* | 0.71 (0.58–0.86)* | 0.73 (0.59–0.90)* | 0.65 (0.52–0.82)* | 1.08 (0.69–1.54) |
| Age | 1.03 (0.85–1.24) | 1.23 (1.03–1.47)* | 1.03 (0.96–1.02) | 0.99 (0.96–1.02) | 1.01 (0.98–1.05) | 1.00 (0.96–1.08) | 0.99 (0.96–1.03) |
| Male sex | 1.23 (0.30–3.05) | 0.56 (0.24–1.28) | 197 (1.57–2.47)** | 205 (1.61–2.63)** | 204 (1.60–2.80)** | 202 (1.59–2.80)** | 1.95 (1.36–2.80)** |
| Determination of emergency symptom | 0.75 (0.24–2.34) | 272 (0.54–13.74) | 455 (294–70)** | 401 (262–614)** | 505 (305–838)** | 430 (255–726)** | 357 (1.59–8.01) |
| Decreased consciousness | 2.97 (4.85–22.96)** | 15.34 (4.64–52.76)** | 161.15–207)** | 1891 (1479–2417)** | 1688 (1317–2164)** | 1406 (1069–1848)** | 2685 (17.75–4062)** |
| Low blood pressure at ED presentation | 0.60 (0.09–3.78) | 975 (255–373.4)* | 622 (415–932)** | 719 (427–10.89)** | 1127 (720–17.65)** | 791 (502–12.46)** | 748 (383–1462)** |
| Transfer to other hospital | 0.00 (0–Inf) | 13.59 (4.57–403.4)** | 237 (165–339)** | 173 (122–247)** | 224 (165–304)** | 171 (124–236)** | 227 (141–365)** |
| Length of stay in ER | 1.00 (1.00–1.01)** | 1.00 (1.00–1.01)* | 1.00 (1.00–1.01)* | 1.00 (1.00–1.01)* | 1.00 (1.00–1.01)* | 1.00 (1.00–1.01)* | 1.00 (1.00–1.01)* |

Serious outcome: intensive care unit admission, emergency operation, or death. Low blood pressure: initial systolic blood pressure ≤90. OR: odds ratio, CI: confidence interval, ED: emergency department, ER: emergency room.

*p < 0.05, **p < 0.001.