

**Supplementary Table 1. Sensitivity analysis of the relationship between rural ED admission and trauma mortality**

Variable	Prehospital or ED mortality, Adjusted OR <sup>1</sup> (95% CI)	In-hospital mortality, Adjusted OR <sup>1</sup> (95% CI)
Admitting facility (Ref: Urban trauma centre)		
Rural ED	4.49 (2.23-9.02)	1.24 (0.80-1.92)
Age (Ref: ≥ 65)		
0-15 years	1.21 (0.66-2.20)	0.16 (0.08-0.31)
16-64 years	1.04 (0.83-1.30)	0.26 (0.22-0.31)
Male	1.15 (0.94-1.40)	0.98 (0.84-1.13)
ISS (Ref: ≥ 25)		
16-24	0.21 (0.17-0.26)	0.25 (0.21-0.29)
Injury mechanism (Ref: Other)		
Fall	0.18 (0.13-0.24)	0.91 (0.69-1.20)
MVC	0.44 (0.32-0.63)	0.68 (0.48-0.96)
Penetrating injury (Ref: None)		
Lower/upper limbs	3.51 (1.30-9.51)	2.56 (0.68-9.66)
Thorax/abdomen/back	3.84 (2.83-5.22)	1.21 (0.76-1.94)
Scene of injury (Ref: Other)		
Road/street	1.41 (1.04-1.91)	1.04 (0.80-1.34)
Domicile	1.52 (1.19-1.93)	1.44 (1.22-1.70)
Cranio-cerebral trauma	0.99 (0.82-1.19)	1.29 (1.12-1.50)
Ambulance transport	4.33 (2.63-7.13)	5.07 (3.57-7.21)
Transfer	0.01 (0.00-0.02)	0.83 (0.50-1.36)

ED, emergency department; OR, odds ratio; CI, confidence interval; MVC, motor vehicle collision.  
<sup>1</sup>Adjusted for age, sex, Injury Severity Score, injury mechanism, scene of injury, penetrating injury, cranio-cerebral trauma, ambulance transport and transfer.