

Supplemental Table 1. All unadjusted and adjusted logistic regression associations with early versus delayed treatment

	Early irrigation & debridement			Early irrigation without debridement			Early ORIF			Early antibiotics		
	OR (95% CI)	OR (95% CI)	P	OR (95% CI)	OR (95% CI)	P	OR (95% CI)	OR (95% CI)	P	OR (95% CI)	OR (95% CI)	P
	Unadjusted	Adjusted		Unadjusted	Adjusted		Unadjusted	Adjusted		Unadjusted	Adjusted	
<i>Demographics</i>												
Age	1.02 (0.99-1.06)			1.00 (0.98-1.02)			0.98 (0.96-1.00)			1.00 (0.99-1.02)		
Sex												
Female	Ref			Ref			Ref			Ref		
Male	0.20 (0.04-1.06)			0.62 (0.24-1.61)			0.97 (0.41-2.29)			0.84 (0.45-1.58)		
<i>Clinical characteristics</i>												
Polytrauma (ISS $\geq$ 16)	0.43 (0.14-1.29)			0.78 (0.34-1.79)			<b>0.40 (0.19-0.85)</b>			0.69 (0.39-1.21)		
Moderate/severe TBI in the ED (GCS $<$ 13)	1.00 (0.33-3.01)			<b>0.31 (0.12-0.77)</b>	<b>0.09 (0.03-0.33)</b>	<b>&lt;0.01</b>	<b>0.26 (0.10-0.65)</b>	<b>0.10 (0.03-0.39)</b>	<b>&lt;0.01</b>	0.68 (0.36-1.28)		
ICU admission	0.70 (0.25-1.99)			0.50 (0.24-1.04)			<b>0.42 (0.21-0.81)</b>			0.78 (0.47-1.29)		
Injury cause												
Assault, involving gunshot or stab wound	Ref			Ref			Ref			Ref		
Motor vehicle or bicycle collision	0.99 (0.29-3.35)			2.26 (0.89-5.75)			0.53 (0.23-1.24)			0.92 (0.50-1.69)		
Fall	<b>9.92 (1.08-91.47)</b>			2.13 (0.80-5.68)			1.94 (0.76-4.95)			0.79 (0.40-1.57)		
Other	0.71 (0.11-4.51)			2.87 (0.76-10.86)			1.40 (0.53-3.73)			1.71 (0.71-4.11)		
ED discharge destination												
Floor	Ref			Ref			Ref			Ref		
Intensive care unit	1.10 (0.24-4.96)			0.54 (0.24-1.23)			0.54 (0.24-1.19)			0.86 (0.46-1.58)		
Operating room/interventional radiology	0.64 (0.13-3.03)			1.78 (0.50-6.36)			1.01 (0.42-2.44)			0.70 (0.34-1.44)		
Stepdown	0.80 (0.13-4.87)			0.73 (0.15-3.68)			0.64 (0.19-2.14)			0.85 (0.31-2.33)		

Other	1.00 (0.05-20.83)			1.22 (0.03-52.39)			0.15 (0.01-6.31)			0.21 (0.04-1.08)		
<i>Facial fracture details</i>												
Total open facial fractures												
1	Ref			Ref			Ref			Ref		
2	0.71 (0.20-2.59)			0.79 (0.33-1.89)			0.78 (0.36-1.71)			0.59 (0.32-1.09)		
3+	0.33 (0.09-1.28)			1.32 (0.15-11.80)			0.26 (0.08)			1.59 (0.58-4.34)		
Fracture location												
Mandible	0.52 (0.19-1.48)			<b>0.30 (0.13-0.69)</b>			1.44 (0.68-3.07)			0.65 (0.39-1.08)		
Nasal bone	0.85 (0.27-2.69)			<b>13.36 (3.09-57.82)</b>	<b>37.70 (7.32-194.17)</b>	<b>&lt;0.01</b>	0.94 (0.38-2.32)			1.17 (0.68-2.01)		
Maxillary bone	0.47 (0.17-1.36)	<b>0.05 (0.01-0.49)</b>	<b>&lt;0.01</b>	<b>0.35 (0.12-0.98)</b>			0.34 (0.15-0.79)	<b>0.14 (0.04-0.50)</b>	<b>&lt;0.01</b>	1.19 (0.62-2.29)		
Orbital bone	0.60 (0.19-1.94)			0.39 (0.10-1.45)			0.43 (0.15-1.21)			1.32 (0.60-2.91)		
Zygomax	0.36 (0.09-1.52)			0.82 (0.16-4.24)			<b>0.21 (0.06-0.76)</b>			2.55 (0.90-7.18)		
Frontal bone	0.36 (0.04-3.65)			0.55 (0.05-6.19)			1.28 (0.28-5.92)			1.88 (0.36-9.90)		
Highest type open facial fracture												
Type 1	Ref			Ref			Ref			Ref		
Type 2	0.28 (0.01-13.05)			2.56 (0.81-7.41)			1.87 (0.70-5.01)			0.60 (0.29-1.25)		
Type 3a	0.16 (0.01-7.48)			1.13 (0.49-2.63)			0.86 (0.35-2.15)			1.23 (0.63-2.41)		
Type 3b	0.09 (0.01-4.20)			1.85 (0.40-8.64)			0.47 (0.15-1.49)			0.94 (0.38-2.33)		
Type 3c	0.16 (0.01-8.45)			-			0.75 (0.17-3.36)			0.29 (0.07-1.22)		
Other serious injuries (AIS≥3)												
Head	0.40 (0.13-1.25)	<b>0.04 (0.01-0.39)</b>	<b>&lt;0.01</b>	0.85 (0.37-1.94)			<b>0.33 (0.15-0.73)</b>	<b>0.14 (0.04-0.48)</b>	<b>&lt;0.01</b>	0.98 (0.55-1.72)		
Neck	0.13 (0.02-1.15)			0.46 (0.13-1.65)			<b>0.03 (0.01-0.61)</b>			<b>0.36 (0.15-0.88)</b>	<b>0.39 (0.16-0.96)</b>	<b>0.04</b>
Thorax	0.56 (0.05-6.48)			0.72 (0.18-2.86)			0.61 (0.17-2.26)			0.42 (0.15-1.20)		

Abdomen	6.14 (0.14-262.26)			1.11 (0.12-10.22)			0.95 (0.13-6.90)	<b>35.90 (2.24-575.25)</b>	<b>0.01</b>	1.88 (0.36-9.90)		
Spine	0.37 (0.01-35.04)			3.19 (0.13-77.70)			0.18 (0.01-7.70)			0.74 (0.15-3.72)		
Upper extremity	0.37 (0.01-35.04)			-			0.31 (0.01-29.18)			0.25 (0.01-22.81)		
Lower extremity	0.37 (0.01-35.04)			-			0.31 (0.01-29.18)			0.25 (0.01-22.81)		
Total regions with serious injuries												
0	Ref			Ref			Ref			Ref		
1	<b>0.26 (0.07-0.95)</b>			1.04 (0.45-2.43)			<b>0.39 (0.18-1.86)</b>			1.21 (0.67-2.19)		
2	0.72 (0.13-4.07)			0.43 (0.10-1.89)			0.21 (0.04-1.01)			0.40 (0.14-1.14)		
3	0.23 (0.01-23.46)			0.45 (0.04-4.88)			0.09 (0.01-2.85)			0.71 (0.10-5.20)		
4	0.23 (0.02-23.46)			0.74 (0.01-63.52)			0.19 (0.01-20.33)			0.14 (0.01-5.96)		
<i>OR and tracheostomy</i>												
OR ≤24h of arrival	<b>21.00 (2.53-173.93)</b>	<b>377.26 (18.07-999.99)</b>	<b>&lt;0.01</b>	<b>4.00 (1.79-8.93)</b>	<b>13.54 (4.62-39.73)</b>	<b>&lt;0.01</b>	<b>22.31 (8.02-62.08)</b>	<b>154.92 (35.80-670.38)</b>	<b>&lt;0.01</b>	1.06 (0.64-1.76)		
Tracheostomy ≤24h of arrival	0.65 (0.14-3.00)			0.82 (0.08-8.17)			0.94 (0.26-3.41)			0.51 (0.16-1.66)		