

Table 3. Characteristics of demographics for lateral and medial ankle sprains pre- and post-propensity score match

	Pre-Match			Post-Match		
	N (%)			N (%)		
Total primary ankle injuries	207,100			1148		
Type	Lateral	Medial	P Value	Lateral	Medial	P Value
Total ankle injuries of each type	206,523 (99.72)	577 (0.28)		574 (50)	574 (50)	
Sex			0.01			0.23
Male	89,175 (43.18)	279 (48.35)		258 (44.95)	277 (48.26)	
Female	117,338 (56.82)	298 (51.65)		316 (55.05)	297 (51.74)	
Age, y			<0.01			>0.999
≤13	28,746 (13.92)	102 (17.68)		102 (17.77)	102 (17.77)	
14-17	29,332 (14.20)	115 (19.93)		115 (20.03)	115 (20.03)	
18-25	41,713 (20.20)	109 (18.89)		106 (18.07)	106 (18.07)	
26-35	39,935 (19.34)	92 (15.94)		92 (16.03)	92 (16.03)	
36-49	37,813 (18.31)	96 (16.64)		96 (16.72)	96 (16.72)	
50-64	19,979 (9.67)	46 (7.97)		46 (8.01)	46 (8.01)	
≥65	9005 (4.36)	17 (2.95)		17 (2.96)	17 (2.96)	
Median Household Income, \$			<0.01			>0.999
≤40,999	66,696 (32.88)	331 (57.57)		331 (57.67)	331 (57.67)	
41,000-50,999	59,788 (28.99)	110 (19.13)		110 (19.16)	110 (19.16)	
51,000-66,999	42,723 (21.06)	74 (12.87)		74 (12.89)	74 (12.89)	
67,000+	34,613 (17.07)	60 (19.43)		59 (10.28)	59 (10.28)	
Primary payer			<0.01			>0.999
Medicare	15,680 (7.63)	25 (4.34)		25 (4.36)	25 (4.36)	
Medicaid	53,524 (26.04)	112 (19.44)		111 (19.34)	111 (19.34)	
Private insurance	82,326 (40.05)	285 (49.48)		285 (49.65)	285 (49.65)	
Self-pay	38,300 (18.63)	122 (21.18)		121 (21.08)	121 (21.08)	
No charge	1317 (0.64)	0		32 (5.57)	32 (5.57)	
Other	14,388 (7.0)	32 (5.56)				

Table 4. Characteristics of demographics for lateral and high ankle sprains pre- and post-propensity score match

	Pre-Match			Post-Match		
	N (%)			N (%)		
Total primary ankle injuries	206,924			792		
Type	Lateral	High	P Value	Lateral	High	P Value
Total ankle injuries of each type	206,523 (99.80)	401 (0.20)		396 (50)	396 (50)	
Sex			<0.01			>0.999
Male	89,175 (43.18)	202 (50.37)		200 (50.51)	200 (50.51)	
Female	117,338 (56.82)	199 (49.63)		196 (49.49)	196 (49.49)	
Age, y			0.01			>0.999
≤13	28,746 (13.92)	39 (9.73)		39 (9.85)	39 (9.85)	
14-17	29,332 (14.20)	76 (18.95)		76 (19.19)	76 (19.19)	
18-25	41,713 (20.20)	84 (20.95)		83 (20.96)	83 (20.96)	
26-35	39,935 (19.34)	90 (22.44)		88 (22.22)	88 (22.22)	
36-49	37,813 (18.31)	67 (16.71)		65 (16.41)	65 (16.41)	
50-64	19,979 (9.67)	31 (7.73)		31 (7.83)	31 (7.83)	
≥65	9005 (4.36)	14 (3.49)		14 (3.54)	14 (3.54)	
Median household income, \$			0.01			>0.999
≤40,999	66,696 (32.88)	116 (29.29)		116 (29.29)	116 (29.29)	
41,000-50,999	59,788 (28.99)	143 (36.11)		143 (36.11)	143 (36.11)	
51,000-66,999	42,723 (21.06)	78 (19.70)		78 (19.70)	78 (19.70)	
67,000+	34,613 (17.07)	59 (14.90)		59 (14.90)	59 (14.90)	
Primary payer			0.79			0.68
Medicare	15,680 (7.63)	32 (8.14)		24 (6.07)	32 (8.25)	
Medicaid	53,524 (26.04)	90 (22.90)		99 (25.06)	89 (22.94)	
Private insurance	82,326 (40.05)	162 (41.22)		166 (42.03)	160 (41.24)	
Self-pay	38,300 (18.63)	76 (19.34)		73 (18.48)	75 (19.33)	
No charge	1317 (0.64)	2 (0.51)		5 (1.27)	2 (0.52)	
Other	14,388 (7.0)	31 (7.89)		28 (7.09)	30 (7.72)	

Table 5. Comparison of outcomes in propensity score matched groups

	Post-Match			Post-Match		
	N (%)			N (%)		
Total primary ankle injuries	1148			792		
	Lateral	Medial	P Value	Lateral	High	P Value
	574 (50)	574 (50)		396 (50)	396 (50)	
Total charge, \$			<0.01			0.97
Mean (SD)	1127.96 (677)	1190.05 (2460)		1275.74 (993.26)	3371.37 (9203.80)	
Median (IQR)	1008 (702-1408)	914 (741-1108)		1057 (727.5-1498)	1047.50 (757-1403)	
Hospitalizations	0	4 (0.69)	0.04	1 (0.25)	24 (6.06)	<0.01
Complications						
Pain in joint, ankle, and foot	38 (6.62)	37 (6.45)	0.90	36 (9.09)	14 (3.53)	<0.01
Sprain of foot NOS (sprain of foot, unspecified site)	17 (2.96)	4 (0.70)	<0.01	16 (4.04)	6 (1.51)	0.03
Pain in limb	11 (1.92)	3 (0.52)	0.03	10 (2.52)	9 (2.27)	0.81
Lower leg injury NOS (knee, leg, ankle, and foot injury)	10 (1.74)	11 (1.92)	0.82	7 (1.76)	1 (0.25)	0.03
Abrasion hip and leg (abrasion of hip, thigh, leg, and ankle without mention of infection)	9 (1.57)	2 (0.35)	0.03	7 (1.76)	4 (1.01)	0.36
Procedures						
Other diagnostic radiology and related techniques	460 (83.62)	562 (97.91)	<0.01	343 (86.61)	360 (90.90)	0.24
Traction, splints, and other wound care	87 (15.16)	72 (12.54)	0.29	72 (18.18)	91 (22.97)	0.09
Durable medical equipment and supplies	35 (6.10)	25 (4.36)	0.33	34 (8.58)	30 (7.57)	0.88
Other therapeutic procedures	26 (4.53)	29 (5.05)	0.44	23 (5.80)	19 (4.79)	0.85
Medications (Injections and other forms)	16 (2.79)	5 (0.87)	<0.01	18 (4.54)	38 (9.59)	0.26

NOS, not otherwise specified.