

doi: 10.1503/cjs.016619.

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Table 1: Demographic and Injury Profile of Trauma Patients Pre-legalization (July – September 2018), Post-legalization (Nov 2018 – Jan 2019) and for Both Time Frames Combined

	Pre-legalization	Post-legalization	Total
N	210	141	351
Age (mean (SD))	49.6 (20.5)	51.1 (20.7)	50.2 (20.5)
Sex (% male)	70.5%	70.2%	70.4%
Mechanism of Injury			
Motor Vehicle Collision	48.1%	47.5%	47.9%
Falls	21.9%	29.1%	24.8%
Recreational Vehicle	4.8%	0.7%	3.1%
Other Blunt	1.9%	5.7%	3.4%
Penetrating	10.0%	9.2%	9.7%
Other	13.3%	7.8%	11.1%
Injury Severity Score (mean (SD))	17.6 (13.0)	19.7 (14.8)	18.4 (13.7)
Maximum Abbreviated Injury Scale (mean (SD))			
Head	2.9 (1.5)	3.0 (1.4)	2.9 (1.4)
Face	1.4 (0.6)	1.4 (0.5)	1.4 (0.6)
Neck	1.5 (0.8)	2.3 (1.0)	2.0 (1.0)
Thorax	2.9 (1.1)	3.0 (0.9)	2.9 (1.0)
Abdomen	2.0 (1.1)	2.3 (1.0)	2.1 (1.1)
Upper Extremity	2.3 (0.6)	2.3 (0.6)	2.3 (0.6)
Lower Extremity	2.1 (1.1)	2.0 (1.0)	2.0 (1.0)
External	1.0 (0)	1.0 (0)	1.0 (0)
Other*	4.0 (1.7)	2.0 (---)†	3.5 (1.7)

† N=1

*Injuries are: hypothermia, multiple contusions to whole body, asphyxiation with cardiac arrest

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Table 2: Toxicology Screening for all Trauma Patients

Toxicology Screen is defined as a urine screen for Cannabinoids, Amphetamines, Cocaine and Opioids

	Pre-legalization	Post-legalization	p-value
Toxicology Screen Completed (%)	41.9% (88/210)	70.2% (99/141)	
Positive Toxicology Screen (%)*	50.0%	33.3%	0.021
Positive Cannabis Screen (%)*	25.0%	22.2%	0.655

*denominator is total trauma patients who had a drug toxicity screen performed

Table 3: Toxicology Screening for Patients in Motor Vehicle Collisions

	Pre-legalization	Post-legalization	p-value
Toxicology Screen Completed (%)	50.5% (51/101)	80.6% (54/67)	
Positive Toxicology Screen (%)*	47.1%	31.5%	0.102
Positive Cannabis Screen (%)*	27.5%	20.4%	0.395

*denominator is total trauma patients who had a drug toxicity screen performed

Table 4: Toxicology Screening for Penetrating Trauma Patients

	Pre-legalization	Post-legalization	p-value†
Toxicology Screen Completed (%)	47.6% (10/21)	61.5% (8/13)	
Positive Toxicology Screen (%)*	50.0%	75.0%	0.367
Positive Cannabis Screen (%)*	20.0%	62.5%	0.145

*denominator is total trauma patients who had a drug toxicity screen performed

† Fisher's Exact Test

Appendix to: Ball IM, Parry N, Vogt KN, et al. The question of whether vena cava filters have a role in trauma patients remains unanswered. *Can J Surg* 2021. Copyright © 2021 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmaigroup@cmaj.ca.

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