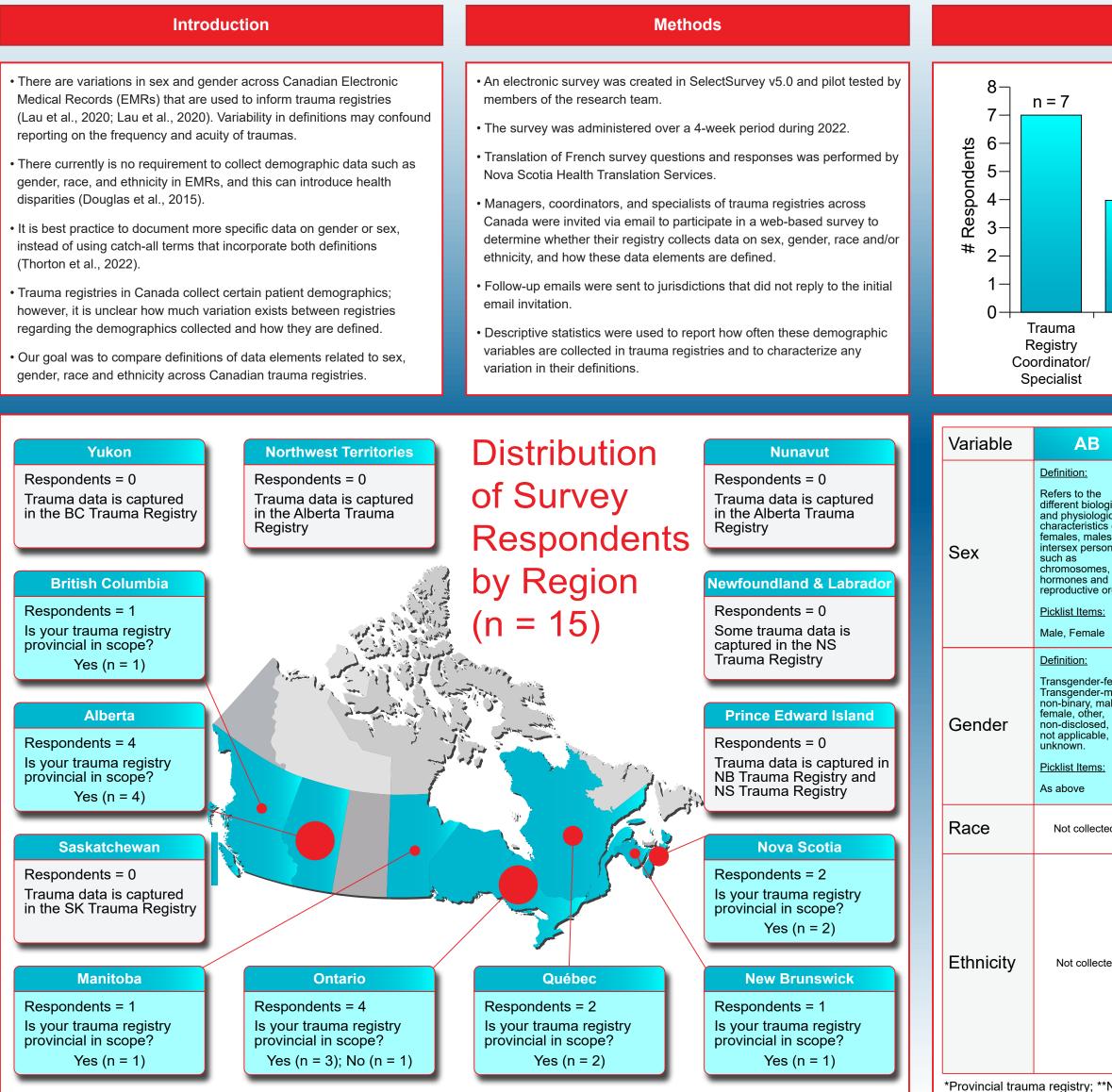
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A comparative analysis of definitions for data elements related to sex, gender, race, and ethnicity in trauma registries across Canada

	Results													
Response rate:			Question		AB	BC	MB	NB	NS	ON*	ON**	QC		
51.7% (15/29)				data on sex	From what sources are data on sex, gender, race, and ethinicity collected?		Chart; Data collected at hospital admission	Chart	Chart	Autopopulation via EMR; Chart; Data collected at hospital admission	Chart; Data collected at hospital admission	Data collected at hospital admission	Chart; Data collected at hospital admission	
n = 4				on sex, gen ethnicity pro	Is mandatory education on sex, gender, race or ethnicity provided by your organization?		No	Unknown	No	No	Yes (sex, gender, race, ethnicity)	Unknown	Yes (ethnicity)	
	n = 2 n = 1		n = 1	sex, gender	iables in the	Yes (gender identity field added)	Unknown	Unknown	No	No	No	Yes (added non-binary)	Yes (ethnicity)	
Da Anal		Medical pr Director	Trauma Program Manager	Planning an the collection demographi in the next 2	c variables	Unknown	Unknown	Unknown	Yes (sex, gender)	Unknown	Yes (sex, gender, race, ethnicity)	Unknown	No	
*Provincial trauma registry; **Non-provincial trauma registry. EMR = Electronic Medical Record														
	BC	MB	NB	NS	ON*	ON	**	QC		Discussion				
e ogical ogical cs of les and sons, es, nd organs. <u>s:</u> e	Definition: If patient has undergone surgical and/or hormonal sex reassignment, enter sex according tov the current assignment. <u>Picklist Items:</u> Male, Female, Unknown	Definition: Male/Female/ Not Applicable/ Unknown <u>Picklist Items:</u> Male, Female, Not Applicable, Unknown	Not collected	Definition: The anatomical gender of the individual until there is legal proof. Picklist Items: Male/Female/ Not Applicable/ Unknown	te anatomical Inder of the dividual until ere is legal proof. <u>cklist Items:</u> ale/Female/ ot Applicable/ Male, Female. <u>Picklist Items:</u> Male, Female, Not Applicable, Unknown		the pa confo disting ale from a <u>Picklis</u>	<u>tion:</u> articular rmity that guishes a man a woman. <u>st Items:</u> ale, F=female	 A total of 29 trauma professionals were invited to participate in the survey of which 15 responded (response rate = 51.7%). Our findings suggest that trauma registries in Canada do not routinely collect key demographic variables for trauma patients that accurately characterizes their membership in sex and gender-diverse populations, and race and ethnic populations. Furthermore, there is considerable variation in how these demographic data are defined. Collecting race and ethnicity-based health data can be controversial, as 					
r-female, male, nale, r, id, le, <u>s:</u>	Not collected	Not collected	<u>Definition:</u> N/A <u>Picklist Items:</u> Male, Female, Unknown (Trans, unknown or not documented)	Not collected	Not collecte	ed Not coll	ected No	ot collected	 marginalized populations that have experienced systemic racism may n consent to this data being collected and shared with the health team. Representation for marginalized groups is important for healthcare planning, and incorrect definitions may further marginalize these communities. Inconsistent demographic collection data collection in trauma registries in Canada could exacerbate health disparities by hiding increased incidences of trauma in certain patient populations. 				racism may not ealth team. ealthcare these ma registries	
ted	Not collected	Not collected	Not collected	Not collected	Not collecte	d Not colle	ected No	t collected	 We recommend Canadian trauma registries broaden their collection of demographic data using standardized definitions. 					
cted	Not collected	Not collected	Not collected	Not collected			ethnic patier burns to the	eld indicates origin of ts with severe which refers ir genetically	References					
					Not collecte	ed Not colle	ected chara <u>Picklis</u> Asian Hispa Native Other	ognomic traits/ cteristics. <u>st Items:</u> , Black, nic, White e American, Not specified for severe burn	 Douglas MD, Dawes DE, et al. Missed policy opportunities to advance health equiver recording demographic data in electronic health records. <i>Am J Public Health</i>. 201 (Suppl 3):S380-8. Lau F, Antonio M, et al. A rapid review of gender, sex, and sexual orientation doct in electronic health records. <i>J Am Med Inform Assoc</i>. 2020;27(11):1774-83. Lau F, Antonio M, et al. An environmental scan of sex and gender in electronic health records: analysis of public information sources. <i>J Med Internet Res</i>. 2020;22(11): Thornton S, Roy D, et al. Towards statistical best practices for gender and sex data. 				ealth. 2015;105 ation documentation 83. ctronic health 0;22(11):e20050.	
*Non-p	rovincial trauma reg	Significance. 2022;Feb:41-5.												



