

Traumatic Brain and Spinal Cord Injuries Amongst Indigenous Populations within Australia, Canada, New Zealand, and USA

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Acknowledgement of Territory

We would like to acknowledge the traditional territories of the Mississauga of the New Credit First Nation, Anishnawbe, Wendat, Huron, and Haudenosaunee Indigenous Peoples on which the Dalla Lana School of Public Health now stands.

The territory was the subject of the Dish With One Spoon Wampum Belt Covenant, an agreement between the Iroquois Confederacy and Confederacy of the Ojibwe and allied nations to peaceably share and care for the resources around the Great Lakes. We would also like to pay our respects to all our ancestors and to our present Elders.



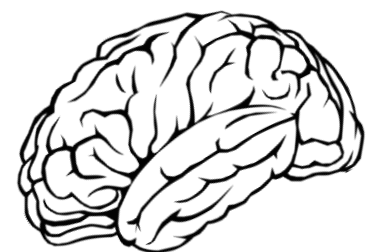
Today's Agenda

Project Objectives

Key Initiatives

Results

Take Away Messages



Lets Begin!



Project Objectives

1

What types of research are being carried out for, with, and about, Indigenous populations experiencing TBI and/or TSCI across Australia, Canada, New Zealand the United States?

2

What are the current knowledge gaps concerning TBI and TSCI among Indigenous populations across Australia, Canada, New Zealand the United States?

3

How, and to what extent, are Indigenous populations across these four jurisdictions involved in the research processes?

Methods

Table 1. Concept search terms

Concept 1: Indigenous Peoples	“Aborigin*” OR “Indigenous” OR “Native” OR “Eskimo*” OR “Inuit*” OR “Inuk*” OR “First Nation*” OR “Native Canadian*” OR “Native American” OR “Maori*” OR “Pacific Islander” OR “American Indian*” OR “Native Alaska*” OR “Alaska Native*” OR “Native Hawaiian*” OR “Torres Strait Islander*” OR “Pacific Islander” OR “Metis”
Concept 2: Geographic regions	“Canada” OR “United States” OR “North America” OR “Turtle Island” or “Arctic Regions” OR “Australia” OR “New Zealand”
Concept 3: TBI/TSCI	"TBI" OR “neurotrauma*” OR "traumatic brain injur*" OR "brain injur*" OR "TSCI" OR "traumatic spinal cord injur*" OR "spinal cord injur*" OR "head injur*" OR “acquired brain injur*” OR “spinal cord impairment*” OR “concuss*” OR “spinal injur*” OR “neurological health”

- **5-Stage Scoping Review Approach**
- **We searched the following 9 databases:**
 - **Ovid Medline,**
 - **Ovid Embase,**
 - **Ebsco CINAHL,**
 - **Ovid PsycINFO,**
 - **ProQuest Sociological Abstracts,**
 - **Applied Social Sciences Index & Abstracts (ASSIA),**
 - **Web of Science,**
 - **SCOPUS,**
 - **Pubmed**

Results

- Total included: 75 studies
- 2000 - 2021, greatest number of studies in 2019 (n=13)

Epidemiology

Rehabilitation

**Full Pathways
of Care**

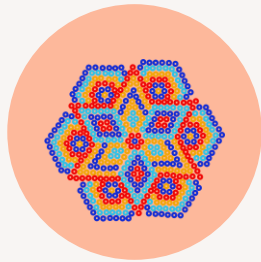
**Service
Provider
Perspectives**

**Patient
Knowledge**

**Community
Engagement**

AUS	9	1	1	4	0	11
CAN	2	4	5	1	3	7
NZ	6	4	0	0	2	2
USA	17	7	0	0	0	0
	33	26	6	5	5	20/75

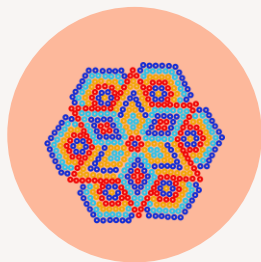
Key Messages



There is a need for more research that explores the pathways of care for Indigenous peoples with spinal cord injuries, globally.



Data collection and analysis should be more consistent to better understand large scale implications of traumatic brain and spinal cord injuries across jurisdictions



Researchers need to be explicit about the way that they involve Indigenous communities, including how they set research priorities, the research paradigms from which they work, and how the research will benefit the communities they are working with.



Research should be conducted in a strengths-based approach that centers the perspectives of Indigenous patients, caregivers, and communities





Miigwetch, Masi Cho, Marsi and Many Thanks!

Contact us with any questions!

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