

First Nations Health Data Linkage



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First Nations Partnerships at ICES

Limited ways to identify Aboriginal populations in ICES data
Survey data (off-reserve only)
Geographic codes (on-reserve only)

Ethical concerns
Need for active collaboration
and consultation

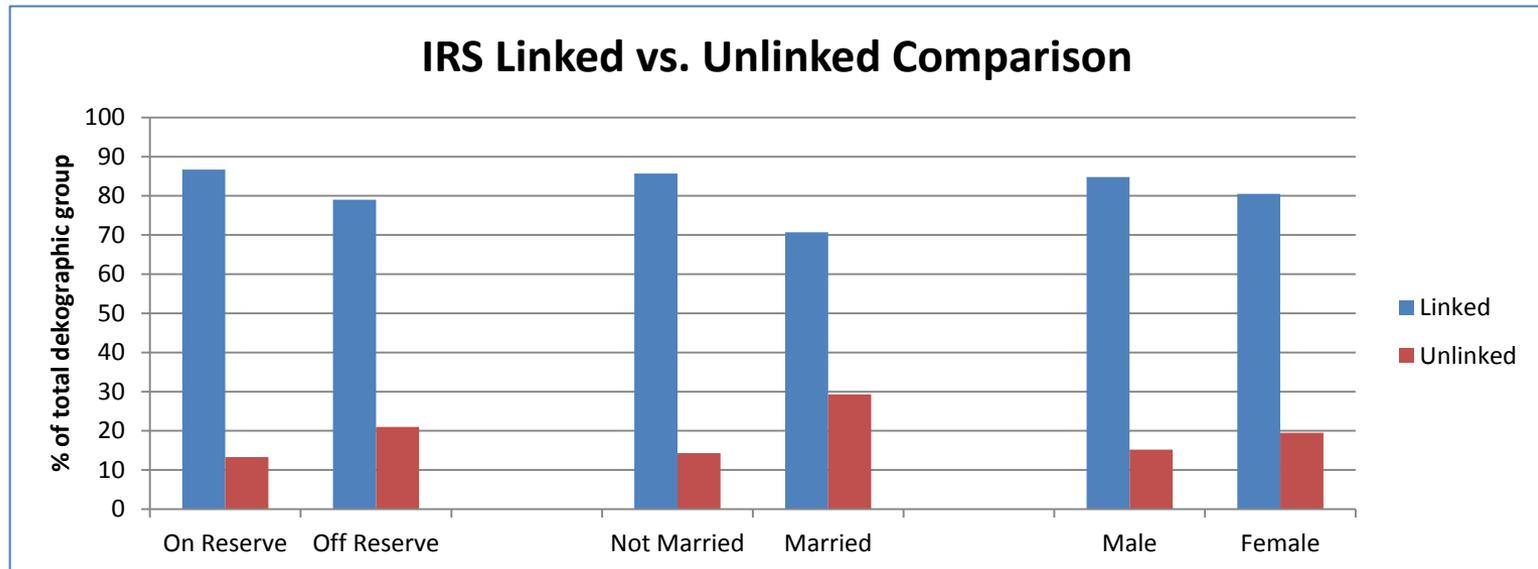
Research, data
governance and
data linkage
partnerships
Chiefs of Ontario

Indian Registry System – A Novel Data Source

- IRS registry received at ICES from Aboriginal Affairs Canada
- Contains information on all Registered/Status First Nations in Ontario, living both on- and off-reserve as of June 2013
- Data elements
 - Individual identifiers for linkage (names, sex, date of birth)
 - Band affiliation
 - Date of registration
 - Record status (e.g. active, inactive, confirmed death)
 - Province of residence when registered
 - Residence status (on reserve / off reserve)
 - Parent-child relationships
 - Marital status

IRS Data - Linkage Analysis

- 176,266 (83%) of Ontario residents recorded in IRS have been linked to ICES Registered Persons Database (RPDB)
 - 10% did not link to RPDB due to death date prior to 1990



IRS Data - Descriptive Statistics

Ontario First Nations – ICES Linked Cohort (N = 176,266)

<u>Variable</u>	<u>Number (%)</u>	<u>Notes</u>
Sex		
Male	90,114 (51.1)	
Female	86,152 (48.9)	
Age		Based on IRS birth date; includes deceased individuals; may be affected by late reporting of births
< 25	61,031 (34.6)	
25-64	92,401 (52.4)	
> 65	22,834 (13.0)	
Residence status		Residence as of registration, but individuals may move back and forth on and off reserve
On Reserve	87,820 (49.8)	
Off Reserve	88,406 (50.2)	
Marital status		
Married	30,504 (17.3)	
Single/divorced/ widowed/separated	145,762 (82.7)	
Recorded deaths since 1990	12,875	May be affected by late reporting/confirmation of deaths