# HIV in Canada: One Nation, Two Stories

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#### Canada: Introduction

- Canada is the world's second largest country with an area of 9,984,670 sq. km, divided into 10 provinces and 3 territories
- Population: 35,151,728 people
- Health-care in Canada is accessible to all Canadians
- First case of HIV in Canada dates back to March 1982
- In 2016, there were an estimated 75,000 Canadians living with HIV

### HIV in Canada: Epidemiology

- 2,344 new cases reported in 2016; 11.6% increase over 2015
- Rate of 6.4 new cases/100,000 in 2016

Race/ethnicity information was not available for Quebec and British Columbia

<sup>3</sup> Latin American includes, for example, Mexican, Central American and South American

<sup>4</sup> Other includes, for example, Pakistani, Sri Lankan, Bangladeshi, Armenian, Egyptian, Iranian, Lebanese, Moroccan, Chinese, Japanese, Vietnamese, Cambodian, Indonesian, Laotian, Korean,

<sup>2</sup> Excludes cases where race/ethnicity was not reported

Filipino, Somali, Haitian and Jamaican

 Indigenous and Black people each represent <5% of Canadian population, yet >20% of new infections

#### Number of reported HIV cases, including rate, by year of Rate of new cases by province and territorytest- Canada 1996-2016 Canada, 2016 0.1-2.0 2.1-6.4\* 6.5-9.0 ≥ 9.1 National rate of 6.4 cases Abbreviation: PHAC, Public Health Agency of Canada Population data source: Annual Demographic Statistics, Demography Division, Statistics Canada, Disaggregated data by year are not available before 1995 for some jurisdictions Proportion of reported HIV cases (all ages) by race/ethnicity Transmission modalities by proportion of (including the Indigenous subgroups)— Canada, 2016 new HIV infections in 2016 **Latin American** 33% Heterosexual Other 11.7% 21.9%

OF NEW HIV INFECTIONS

**53**%

sexual contact

Injection drug use

sexual contact &

injection drug use

# HIV in Canada: Progress towards 90:90:90

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Canada's progress to meet HIV 90-90-90 targets by 2020:

86%

of Canadians living with HIV were diagnosed

of Canadians diagnosed with HIV were on treatment

of Canadians on treatment viral suppression

#### HIV in Canada: The Challenges

- Barriers to accessing ARVs: Each province has its own formulary of drugs that it covers. Some people are covered by Federal Insurance programs while Indigenous people come under specific Federally administered insurance programs. Each program has their own list of ARVs that would be covered. Most programs do not cover new ARVs.
- Barriers to accessing prevention programs: Pre-exposure prophylaxis, for example, is not covered in all provinces.
- Criminalization of non-disclosure: Concerns regarding broad use of Criminal Law in non-disclosure cases regardless of the actual risk of HIV transmission. The most common charge is aggravated sexual assault that carries with it maximum penalty of life-imprisonment and mandatory designation as a sex offender.
- Fear, stigma and discrimination remain major barriers in testing and accessing care especially in key populations such as Indigenous women

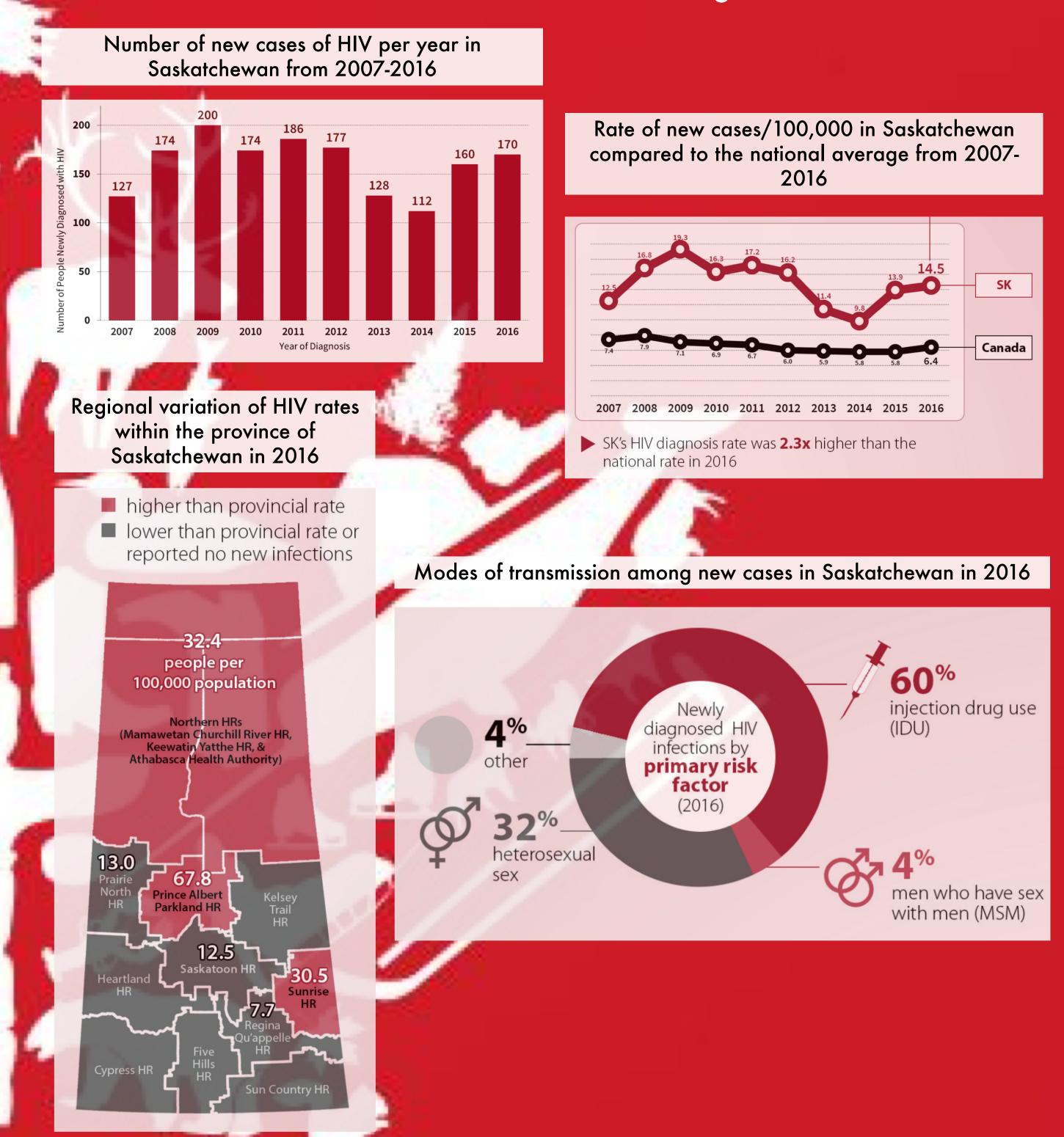
#### Saskatchewan: Introduction

- Saskatchewan is located in the Prairies and is the 7th largest province of Canada
- Area: 651,900 sq. km
- Population: 1,098,352 people



## HIV in Saskatchewan: Epidemiology

- 170 new cases of HIV in 2016
- Rate of 14.5 cases/100,000; highest rate in Canada
- 79% of new cases self-identified as Indigenous



#### HIV in Saskatchewan: Stumble towards 90:90:90

• Data from 2014:

69%
diagnosed

78%
On treatment

Virally suppressed

The good news: All antiretroviral drugs fully covered by the provincial drug plan regardless of the indication (April 2018)

## HIV in Saskatchewan: The Challenges

- Mutations unique to the circulating HIV strains identified in Saskatchewan; hypothesized to explain rapid progression from infection to AIDS
- Fear, stigma and discrimination in our key populations such as Indigenous people and injection drug users compounding health inequity
- · Lack of adequately resourced addiction services.
- Remote and small rural communities where patients live with the fear of community members finding out diagnosis.
- Care provided through 3 major centers (Regina, Saskatoon and Prince Albert) with no shared electronic records. It is an issue given that there is mobility of patients within the province.
- Lack of resolve by the Provincial Government to expand needle exchange and to open safe-injection sites
- Lack of HIV care providers and lack of comfort among Primary Care Providers in dealing with HIV