Congenital Syphilis - Treating in the Moment

Prepared for Baby Steps 2024

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Land Acknowledgement



Disclosures

No financial disclosures.

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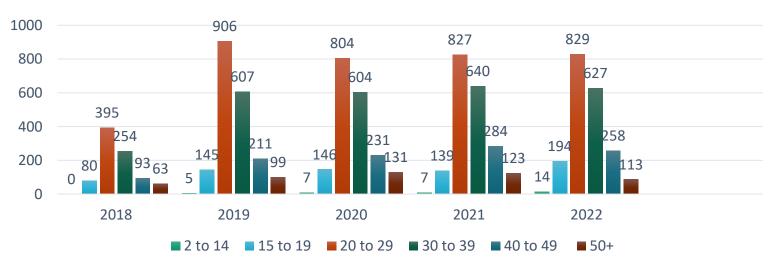


Learning Objectives

- Review the current epidemiology of congenital syphilis in Manitoba, and reflect on how the social determinants of health influence these trends
- Identify where we have made progress with congenital syphilis in Manitoba
- Describe outreach interventions that have been effective
- Discuss upcoming interventions that hold promise for greater care access, including opportunities to engage with sexual partners

Epidemiology of Syphilis in Manitoba

Total New Infectious Syphilis Cases by Age in Manitoba 2018-2022

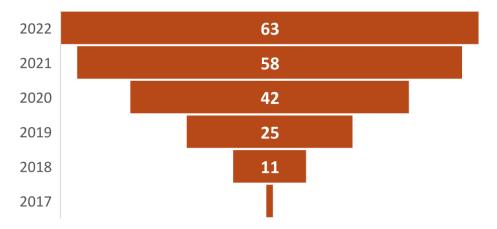


Source:

epiVIEW | Manitoba Health and Seniors Care | Province of Manitoba (gov.mb.ca)

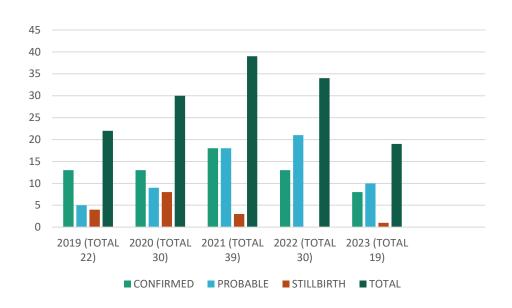
Congenital syphilis in Manitoba

Congenital syphilis cases (confirmed and probable) 2017-2022



- 2015: first case of congenital syphilis in 30+ years
 2017: Second case and start
- 2017: Second case and start of significant rise
 2018-2019: case #'s double
- 2018-2019: case #'s double2020: 86% of national cases
 - occurred in AB, SK and MB
- **2019-2021**: case #'s double again
- High numbers of infectious syphilis cases continue to result in perinatal transmission.

Congenital Syphilis in Winnipeg Health Region



Source: WRHA PPH
Preliminary data, not for distribution

WRHA Congenital syphilis- Trends

Characteristics observed amongst persons delivering infants with congenital syphilis:

- Limited or no prenatal care
- Substance use during pregnancy
- Unstable housing
- Involvement with Child & Family Services

Congenital syphilis re-emergence in Winnipeg, Manitoba

Peter Benoit¹*, Lana Tennenhouse², Alicia Lapple¹, Gillian Hill-Carroll¹, Souradet Shaw², Jared Bullard^{2,3}. Pierre Plourde^{1,2}

Abstract

Background: Infectious syphilis rates have been increasing in Winnipeg, Manitoba among individuals during their childbearing years. Untreated or inadequately treated prenatal infection often results in congenital syphilis, with devastating consequences to fetal health and survival. The objective of this study was to review public health surveillance data regarding congenital syphilis incidence and birthing parent risk factors in Winnipeg from 2018 to 2020.

Methods: Data extracted from a population-based surveillance database maintained by the Winnipeg Regional Health Authority Public Health investigations for all 2018-2020 probable or confirmed cases of early congenital syphilis or syphilitic stillbirth were reviewed. Rates of congenital syphilis were calculated per 1,000 live births. Descriptive analyses were performed to describe birthing parent age, neighbourhood of residence, intravenous substance use, Child and Family Services involvement, access to prenatal care and obtainment of adequate prenatal treatment.

Results: There were eight cases of confirmed/probable congenital syphilis in 2018, 22 cases in 2019 and 30 cases in 2020. Average birthing parent age was 26.5–27.0 years. The majority (66.7%) of birthing parents lived in inner city neighbourhoods with known infectious syphilis outbreaks. Over 50% of birthing parents did not receive any prenatal care, or the care received consisted of inadequate treatment or follow-up. Reinfection among birthing parents who did receive prenatal care was suspected in an additional 23.3% of cases.

Conclusion: Congenital syphilis rates in Winnipeg have increased dramatically. Public health and healthcare provider efforts to address the needs of the community are vital for promoting access to safe and effective orenatal care. This work is licensed under a Creative Commons Attribution 4.0 International



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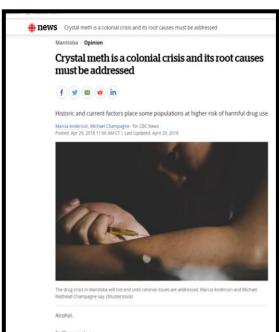
Why?

"The drugs alone are not the crisis and as long as we continue to focus just on the drugs, we will see one fall and another one rise up in in its

place.

The real crises are the historic and current factors that place some populations at higher risk of harmful drug use than others."

Dr. Marcia Anderson and Michael Champagne



Why?

Rooted in social determinants of health

- Housing, income, food security
- Social context in community

Barriers to accessing health care

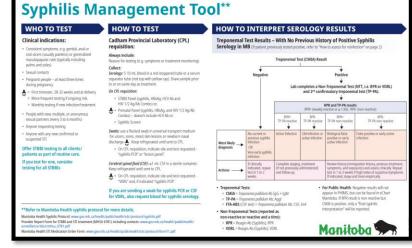
- Navigating complex systems (corrections, CFS, etc.)
- Colonial healthcare systems
- Stigma



Interventions-Provincial

Changes to syphilis protocol

- Testing x3 in pregnancy
- Support from Peds ID for rapid assessment and treatment
- Treatment in community:
 - Supporting practice change
 - Community clinics provide treatment on-site rather than location with fetal monitoring
- Normalizing testing all STBBIs



https://www.gov.mb.ca/health/publichealth/cdc/protocol/syphilis.pdf

Interventions – WRHA Street Connections

- Program operated by the WRHA since 2001
- Office at 496 Hargrave open weekdays (drop-ins accepted), plus outreach van operating every evening until 11pm (except Sunday)

Program Highlights

- Access to STBBI testing/treatment, harm reduction supplies, condoms, education
- Approximately 2.5M needles distributed annually
- On average, 50 people seen in the SC office daily, plus 75-100 interactions per night in the SC van



Interventions – WRHA Public Health

Harm reduction based practice builds trust in HCP

Healthy Sexuality and Harm Reduction

- Case and Contact Management
- Street Connections



Interventions - WRHA Public Health

Primary Prevention

Secondary Prevention

Outreach Activities

- STBBI testing/ treatment
 Eg: Encampments, Women's Detox,
 Provincial Corrections
 - Corrections care offers opportunity to connect with partners

Once diagnosed:

- Care coordination, home visits, transportation, etc
- Consultation to providers.

Tertiary Prevention

Infant follow-up (early diagnosis and treatment to prevent long-term harms)

 Transportation assistance and system navigation

Public Health PN referral

Sexual health education

Distribution of harm reduction and safer sex supplies

Low barrier access to care

Flexible care model

Non appointment based care

Home visits by HCPs

Availability of other disciplines/ specialties

"Warm hand off" for partner care

Collaborative approach to partner treatment



- Expedited allergy referrals
 - Same day access M-F at Grace Hospital
 - Appointment and transportation coordinated by Public Health
 - Prenatal Allergy clinic
 - Thursday afternoons at Women's Hospital OPD
 - Offers opportunity for penicillin allergy testing, de-labelling/ desensitization, and Bicillin treatment

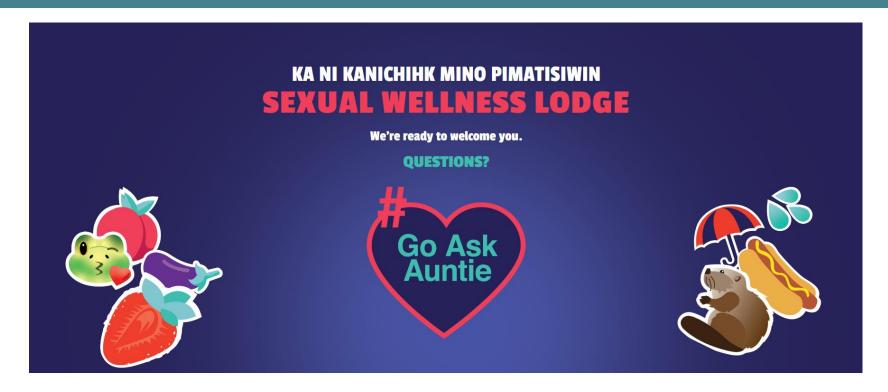




SERVICES WE OFFER AT

- STBBI testing & treatment for chlamydia, gonorrhea, syphilis, HIV and Hepatitis
- Pregnancy tests
- Supports, resources & referrals
- Traditional healing practices (access to medicines, smudging, cedar bath ceremonies, drumming and song, knowledge keepers available)
- Harm reduction & safer sex supplies (including naloxone kits)

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SEXUAL WELLNESS LODGE



Interventions- Sexual Partners

- Successful management of partner (avoiding re-exposure) linked to:
 - Face to face discussion by HCP about need for partner treatment
 - Many clients identify they were unaware of re-exposure risk
 - Help client make a plan for connecting their partner(s) to care
 - Collection of partner identifiers during that care interaction
 - Can be difficult for PH to reconnect with client to elicit this

Interventions- Promising Practices

Novel testing modalities (DBS, POC dual syphilis tests)

Future of supervised consumption sites and drug checking as another opportunity to engage

- Representational workforce
 - Employees with lived experience
 - Indigenous designated positions
- Future of novel treatment options(?)



Congenital Syphilis - TOP TIPS & TAKE-AWAYS

- Meet people where they are at
- Build trust
- Creating safe environments with flexible models of care
- Normalizing STBBI care
- Interdisciplinary collaboration

