



















Practice, support and stigma related to infant feeding among women living with HIV in Canada

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Conflict of Interest Disclosure

In the past 2 years I have been an employee of: None

In the past 2 years I have been a consultant for: None

In the past 2 years I have held investments in the following pharmaceutical organizations, medical devices companies or communications firms: **None**

In the past 2 years I have been a member of the Scientific advisory board for: **None**

In the past 2 years I have been a speaker for: None

In the past 2 years I have received research support (grants) from: My institution receives funding from ViiV Healthcare, Merck, Gilead and Janssen for HIV or HCV treatment trials in which I am site principal investigator or co-investigator.

In the past 2 years I have received honoraria from: ViiV Healthcare.

I agree to disclose approved and non-approved indications for medications in this presentation: **None**

I agree to use generic names of medications in this presentation: None

There are relationships to disclose: None

Acknowledgement of territories

As we gather here today, we acknowledge we are on Treaty 6 Territory and the Homeland of the Métis. We would like to pay our respect to the First Nations and Métis ancestors of this place and reaffirm our relationship with one another.



INFANT FEEDING IN HIV CONTEXT RECOMMENDATIONS DIFFER DEPENDING ON THE SETTING



Recommendations for Use of Antiretroviral Drugs in Pregnant HIV-1-Infected Women for Maternal Health and Interventions to Reduce Perinatal HIV **Transmission in the United States**



Resource-rich settings



Formula feeding

Low & Middle Income **Countries**



Breastfeeding

In Canada some provinces have funded programs to cover 1 year formula

Exclusive breastfeeding to 6 months Ideally, with maternal or infant ART to decrease risk of postnatal transmission

Guidelines for the Care of Pregnant Women Living With HIV and Interventions to Reduce **Perinatal Transmission**

Background

- 2017 Meta-analysis:
 - postnatal transmission rates of 1.1% (95% CI: 0.3-1.9) at 6 months in breastfed infants whose mothers received ART
- Harm reduction strategies proposed to assist women who decide to breastfeed in high-income countries despite recommendations
- 3 cases of breastfeeding reported in Canada
 - → no vertical transmission



Study objectives

- Objective 1: To explore factors associated with past breastfeeding among women living with HIV in Canada according to their HIV status at the time of pregnancy
- Objective 2: To describe the care and support regarding feeding practices received by women living with HIV in Canada
- Objective 3: To describe the experience related to infant feeding practice of women living with HIV in Canada

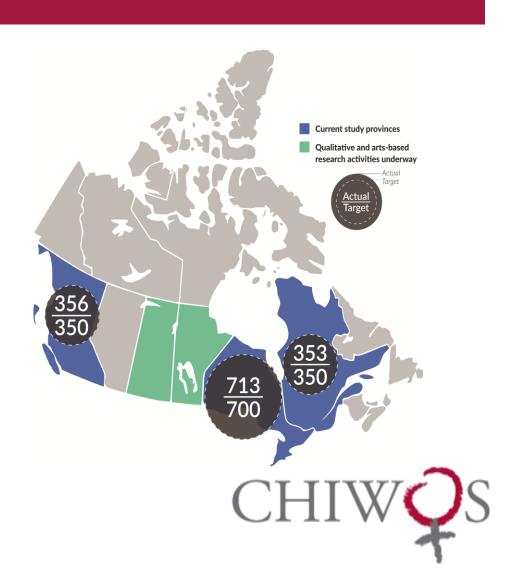


CHIWOS Study

Canadian HIV Women's Sexual and Reproductive Health Cohort Study

Survey administered by Peer Research Associates

- Wave 1 (baseline):
 - 1 422 women living with HIV
 - October 2013 to May 2015
- Wave 2:
 - 1 252 participants
 - Sept 2015 to January 2017
- Wave 3:
 - 1 151 participants
 - March 2017 to Sept 2018



Methods

Wave 1: n=1063 women reported at least one live birth before or after HIV diagnosis

• Objective 1: past breastfeeding*

Wave 2: n=35 women who had a live birth beween waves 1 and 2

- Objective 2: care and support regarding feeding practices
- Objective 3: experience related to infant feeding practice

Wave 3: n=30 women who had a live birth beween waves 2 and 3

*Stats: generalized estimating equations (GEEs)

Results: Objective 1 (past breastfeeding)

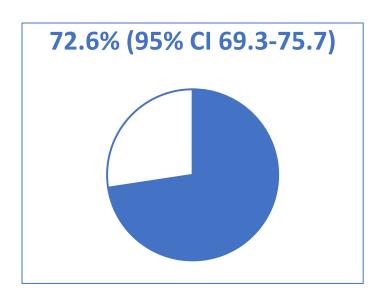
Pregnancies occuring before HIV diagnosis

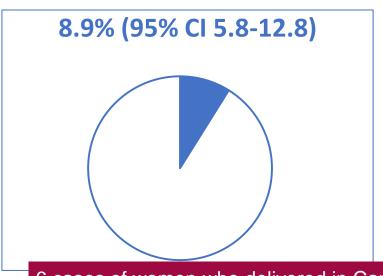
• n = 1774 pregnancies in 781 women

Pregnancies occuring after HIV diagnosis

• n = 404 pregnancies in 282 women

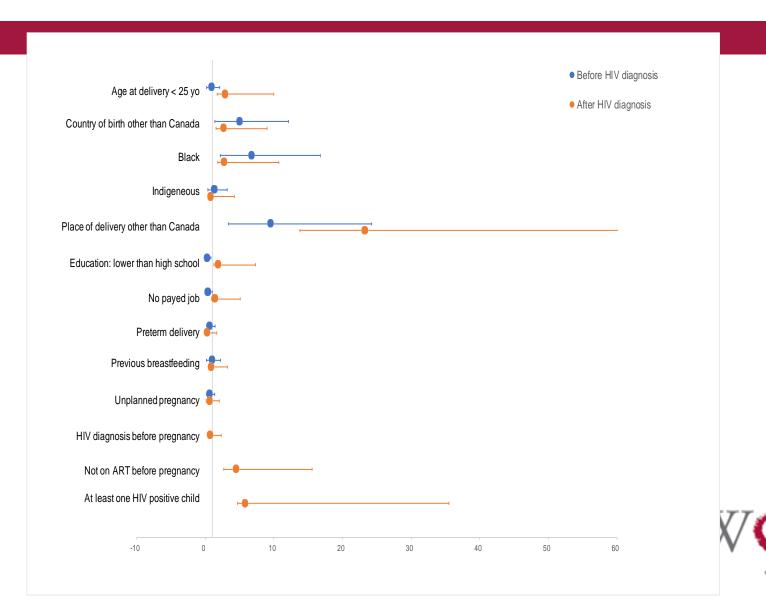
Women reporting at least one experience of breastfeeding



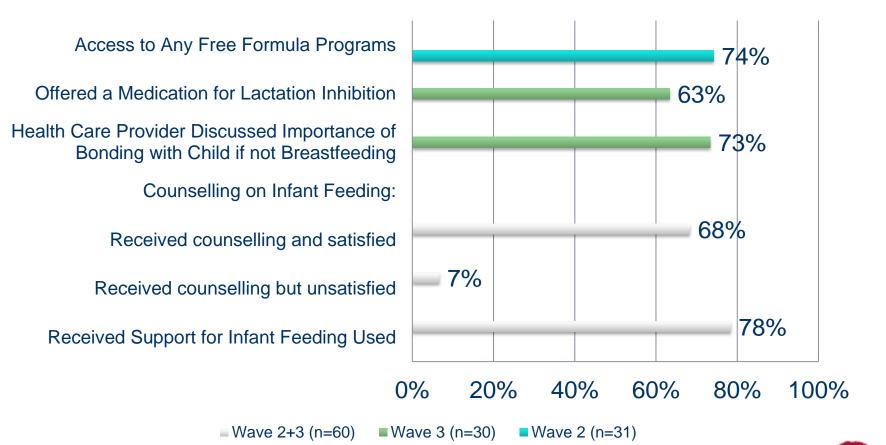


6 cases of women who delivered in Canada

Objective 1: Factors associated with breastfeeding

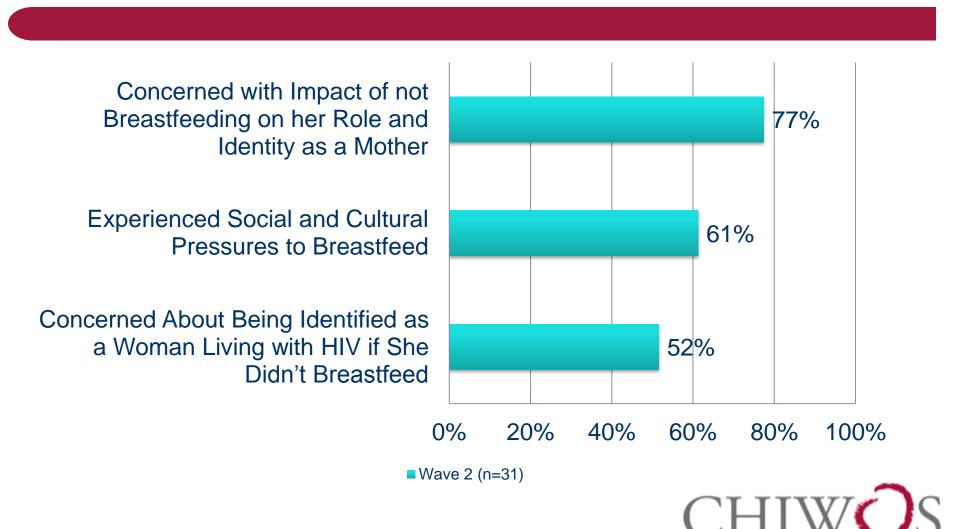


Care and support received by WLWH in Canada regarding feeding practices





Experience related to infant feeding practice



Conclusion

- Limits: exploratory analyses, small sample size
- A lot of WLWH have breastfeeding experience before HIV diagnosis or in countries other than Canada
- Impact of not breastfeeding is important for women
- Improvement needed: support, counselling, free formula Programs, lactation inhibition



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ON: 2-Spirited People of the 1st Nations; 519 Community Centre; ACCKWA; Africans in Partnership Against AIDS (APAA); AIDS Committee of Durham Region; AIDS Committee of Guelph and Wellington County; AIDS Committee of Simcoe County; AIDS Network Hamilton; Alliance for South Asian AIDS Prevention; Black Coalition for AIDS Prevention; Bruce House; Casey House; Centre Francophone; Elevate NOW; Fife House; Hemophilia Ontario; HIV/AIDS Regional Services (HARS); Maggie's: Toronto Sex Worker's Action Project; Peel HIV Network; Positive Living Niagara; Positive Pregnancy Program (P3); Prisoners with AIDS Support Action Network; Réseau Access Network; Toronto PWA Foundation; Women's Health in Women's Hands; Children's Hospital of Eastern Ontario; Kingston Hotel Dieu Hospital; Health Sciences North, Sudbury Regional Hospital, HAVEN Program; Lakeridge Health; Maple Leaf Medical Clinic; McMaster Family Practice; Ottawa General Hospital; Riverside Family Health Team; SIS Clinic, Hamilton Health Sciences; St. Joseph's Healthcare London; St. Michael's Hospital; Sunnybrook Health System; Windsor Regional Hospital; Toronto General Hospital; William Osler Health System; Windsor Regional Hospital, HIV Care Program.

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