



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS



Providence
Health Care

BC CENTRE FOR EXCELLENCE IN HIV/AIDS

KEY OUTPUTS, RESEARCH, POLICY & INNOVATION

REPORTING PERIOD 2025 - Q3 | OCTOBER 1 - DECEMBER 31



“With global HIV prevention resources declining, this investment is both timely and critical. By providing clearer insight into how and where HIV continues to spread, the work will support more equitable care by helping ensure vulnerable communities are identified earlier and connected to treatment that improves health outcomes and reduces onward transmission.”

- DR. JEFFREY JOY on the November 28th [Genome BC announcement](#) funding a new project applying advanced genomic and computational approaches to better map HIV transmission patterns in BC.

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GRANTS, AWARDS & FUNDING

BC-CfE 2025 QUARTERLY REPORT | Q3

Dr. Jean Makuza

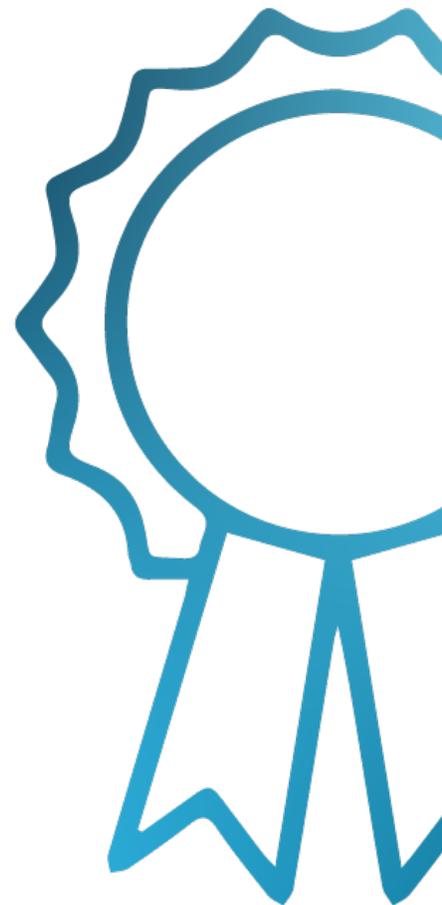
Michael Smith Health Research BC Post-Doctoral Fellowship
award

Giuli Sucar

Canada Graduate Research Scholarship - Master's Program
\$17,000

Hanwei Sudderuddin

Harry and Florence Dennison Fellowship in Medical Research
UBC Faculty of Medicine
\$12,000



PRESENTATIONS & EDUCATIONAL SESSIONS

BC-CfE Journal Clubs

Analytical Approaches to Syndemic Theory

Felipe Duailibe

November 13, 2025

Novel Mechanisms and Development of Emerging Long-Acting Antiretroviral Formulations

Man Ting Xu

November 27, 2025

HIV/AIDS Webinar Learning Series

Social Determinants of Health

Dr. Andrew Boozary

October 9, 2025

AI and HIV: Current and Future Applications

Drs. Aranka Anema & Jeffrey Joy

October 29, 2025

Drug Interactions in the Treatment and Prevention of HIV & Bacterial STIs

Erin Ready

November 19, 2025

BC-CfE Hope to Health Learning Series

The Mental Status Exam: “Talk the Talk”

Dr. Michael Mulvey

November 5, 2025

BC-CfE Update

BC-CfE Fall 2025 Update: Focus on HIV

October 10, 2025

Moderators:

Drs. Val Montessori, Silvia Guillemi, Kate Salters

Presenters:

Drs. Viviane Dias Lima, Marianne Harris, Sandra Chang, Zabrina Brumme, Junine Toy, Julio Montaner, Julius Elefante, Andrew Boozary

Round Table Panellists:

Denise Wozniak, Walter Hiebert, John Cameron, Florence Ranville, Marianne Harris, Anita Palepu

External Presentations

Alcohol use disorder among people recently treated for HCV in Canada

The 13th International Conference on Health and Hepatitis in Substance Users

Dr. Adedayo Ajidahun

October 15, 2025

Primary care access and healthcare avoidance: a cross-sectional survey of clients of a supervised consumption site in Vancouver, Canada.

The 13th International Conference on Health and Hepatitis in Substance Users

Nance Cunningham

October 15, 2025

Harm reduction is healthcare: examining STBBI knowledge, testing behaviours and uptake of dried-blood-spot testing amongst a cohort of people accessing a supervised-consumption-site in Vancouver, Canada

The 13th International Conference on Health and Hepatitis in Substance Users

Alannah Hannigan

October 15, 2025

How are supervised consumption sites meeting the needs of people who use drugs? Results from a survey of clients in Vancouver, Canada

The 13th International Conference on Health and Hepatitis in Substance Users

Dr. Kate Salters

October 15, 2025

HIV/AIDS Control at a Crossroads: A Call for Action

St. Paul's Hospital Providence Health Care
Department of Medicine Grand Rounds

Dr. Julio Montaner

October 16, 2025

Investigating genetic diversity and translational competence of 31 defective 5' viruses in blood and tissue

CanCURE Annual Meeting

Dr. Zabrina Brumme

October 20, 2025

Molecular characterization of tissue reservoirs using IPDA and single-genome proviral sequencing: successes and challenges

CanCURE Annual Meeting

Amanda Cabral da Silva

October 20, 2025

Investigating the resilience of the intact proviral DNA assay to HIV polymorphism

CanCURE Annual Meeting

Maggie Duncan

October 20, 2025

Molecular epidemiology of HIV in the Canadian Province of Alberta: multijurisdictional influences

Presentation to Alberta Public Health

Dr. Jeffrey Joy

October 20, 2025

Diverse Clients, Diverse Staff, Diverse Education: Identifying and Meeting Needs at an Interprofessional Community Care Centre in the Downtown Eastside

UBC Centre for Health Education Scholarship:
Celebration of Scholarship

Dr. Cathy Puskas

October 22, 2025

SHAPE Study 2.0 Knowledge Translation

Presentation to Interior Health community & HIV service providers

Farnaz Azarmju, Tim Wesseling & Antonio Marante

October 28, 2025

Persistent low-level viremia during antiretroviral therapy

REACH Martin Delaney Collaboratory for HIV
Cure Community Advisory Board

Dr. Zabrina Brumme

October 30, 2025

Insights and characterization of nonsuppressible viremia during antiretroviral therapy

REACH Martin Delaney Collaboratory for HIV
Cure Community Advisory Board

Evan Barad

October 30, 2025

HIV pre-exposure prophylaxis (PrEP) and post-exposure prophylaxis (PEP)

Presentation to Foundry Clinic

Dr. Mark Hull, Dr. Marianne Harris, and Erin Ready

October 30, 2025

HIV Molecular Epidemiology in British Columbia: 2025 Quarter 3 update

Presentation to the BC Community of Practice for Phylogenetic Monitoring
Dr Jeffrey Joy
October 30, 2025

Clonal HIV-1 reservoirs with major splice donor site deletions are immune evasive and cause non-suppressible viremia during antiretroviral therapy in non-B subtypes
2025 Annual General Meeting of SANTHE (Sub Saharan Africa Network for TB and HIV Research Excellence)

Harrison Omondi
November 6, 2025

HIV molecular epidemiology: insights from the Canadian national phylogenetic monitoring initiative

Presentation to Public Health Agency of Canada
Dr Jeffrey Joy
November 7, 2025

Ending HIV Transmission: roles of phylogenetic monitoring

Presentation to Manitoba Public Health
Dr Jeffrey Joy
November 17, 2025

Examining Client Experiences with the Fentanyl Patch for the Treatment of Opioid Use Disorder: A Qualitative Study (Oral Presentation)

Issues of Substance CCSA's National Conference
Alex Werier
November 19, 2025

Undiagnosed symptoms of depression among residents of an inner city, low-income neighborhood in Vancouver and relation to the use of psychoactive substances (Poster Presentation)

Issues of Substance CCSA's National Conference
Riya Sharma
November 19, 2025

World AIDS Day 2025 – Presentation and Panel

Presenters: Dr. Julio Montaner, Evin Jones & Aaron Purdie
December 1, 2025

HIV molecular epidemiology in Saskatchewan

Presentation to the Saskatchewan Community of Practice for Phylogenetic Monitoring Committee
Dr Jeffrey Joy
December 7, 2025

Update on HIV molecular epidemiology in Canada

Presentation to the Public Health Agency of Canada
Dr. Jeffrey Joy
December 9, 2025

HIV Transmission in North America: increasing roles for multijurisdictional transmission

Presentation to HIV-Trace Working Group
Dr. Jeffrey Joy
December 22, 2025

PEER-REVIEWED JOURNAL ARTICLES & BOOK PUBLICATIONS

1: Montaner JSG, Hogg RS, Lewis SH. Canada must act to prevent the unravelling of progress toward curbing HIV/AIDS. *CMAJ*. 2025 Dec 14;197(43):E1488-E1490. doi: 10.1503/cmaj.251245. PMID: 41397709; PMCID: PMC12705211.

2: McLaughlin A, Toy J, Montoya V, Sereda P, Trigg J, Hull M, Brumme CJ, Barrios R, Montaner JSG, Joy JB. Heterogeneous impacts of HIV pre-exposure prophylaxis (PrEP) on drug resistance and phylogenetic cluster transmission dynamics in British Columbia, Canada: A retrospective cohort and simulation study. *PLoS Med*. 2025 Dec 9;22(12):e1004827. doi: 10.1371/journal.pmed.1004827. PMID: 41364728; PMCID: PMC12700434.

3: Harrison L, Fulton C, Marante Changir A, Ajidahun A, Tam C, Zhang W, Shen T, Barrios R, Montaner J, Salters K, Lester RT, Parashar S, Moore DM. Evaluation of a Pilot mHealth Intervention to Engage Primary Care Clients at an Urban Clinic Serving Marginalized Populations: Mixed-Methods Cohort Study. *JMIR Mhealth Uhealth*. 2025 Nov 27;13:e68561. doi: 10.2196/68561. PMID: 41313145; PMCID: PMC12661591.

4: Kooij KW, Marziali M, Budu M, Trigg J, Ye M, Zhang W, McLinden T, Emerson SD, Salters K, Martins SS, Montaner J, Hogg RS. Incidence and trends of non-fatal overdoses among people with and without HIV: a population-based cohort study in British Columbia, Canada (2012-2020). *BMJ Open*. 2025 Nov 24;15(11):e103778. doi: 10.1136/

bmjopen-2025-103778. PMID: 41290311; PMCID: PMC12645592.

5: Oo MM, Karabelas-Pittman S, Hull M, Grace D, Lachowsky NJ, MacPherson P, Woodward K, Tan DHS. Impact of “absolute” versus “relative” HIV risk communication on pre-exposure prophylaxis interest in Canada: a randomized survey. *AIDS Care*. 2025 Nov 19:1-12. doi: 10.1080/09540121.2025.2587911. Epub ahead of print. PMID: 41257432.

6: Pierzchalski J, Cunnigham N, Kooij K, Guillemi S, Smith R, McCandless L, Hogg R. Sudden cardiac death in adults living with HIV: A systematic review. *PLoS One*. 2025 Oct 30;20(10):e0334718. doi: 10.1371/journal.pone.0334718. PMID: 41166354; PMCID: PMC12574828.

7: McLaughlin A, Montoya V, Miller RL; Canadian COVID-19 Genomics Network (CanCOGeN) Consortium; Worobey M, Joy JB. Phylogeographic evaluation of the effectiveness of Canadian travel restrictions in reducing SARS-CoV-2 variant importations and burden. *Virus Evol*. 2025 Oct 11;11(1):veaf077. doi: 10.1093/ve/veaf077. PMID: 41104050; PMCID: PMC12526992.

8: Yeong SK, Ye M, Barrios R, Hull M, Li J, Sereda P, Charoenpanon T, Lima VD, Bobrow K, Hayden A, Kling R, Wang X, Lachowsky N, Montaner J, Moore DM. Unsuppressed HIV viral load among people living with HIV by exposure category in British Columbia,

Canada from 2005 to 2020: a population-based cohort study. BMC Glob Public Health. 2025 Oct 9;3(1):90. doi: 10.1186/s44263-025-00209-y. PMID: 41068975; PMCID: PMC12512943.

9: Moore DM, Trottier H. What can be done to address the expanding epidemics of bacterial sexually transmitted infections and their complications? Can J Public Health. 2025 Oct;116(5):631-634. doi: 10.17269/s41997-025-01136-z. PMID: 41291332; PMCID: PMC12684821.

10: Duailibe F, Shen T, Zhang W, Moore D, Hull M, Barath J, Magee C, Lachowsky N, Hart T, Cox J, Grace D, Lambert G, Skakoon-Sparling S, Jollimore J, Dvorakova M, Gormezano A, Lima VD. Identifying Syndemic Factors and Their Effect on HIV Sexual Risk Behavior Among Gay, Bisexual and Other Men Who Have Sex with Men in Vancouver, Montreal and Toronto. AIDS Behav. 2025 Oct;29(10):3222-3235. doi: 10.1007/s10461-025-04769-w. Epub 2025 May 23. PMID: 40405027; PMCID: PMC12484301.

11: Tan DHS, Hull MW, Onyegbule SO, Ajiboye W, Arkell C, Baril JG, Cox J, Harris M, Kelly D, Kwag M, Lambert G, O'Byrne P, O'Donnell S, Shukalek CB, Singh A, Sotindjo T, Swidrovich J, Tremblay C, Yoong D. Canadian guideline on HIV pre- and postexposure prophylaxis: 2025 update. CMAJ. 2025 Nov 30;197(41):E1374-E1391. doi: 10.1503/cmaj.250511. PMID: 41326046; PMCID: PMC12680393.

PrEP Semi-Annual Report

Second Quarter 2025

Doxycycline for the Prevention of Bacterial Sexually Transmitted Infections Initiative

Indicators Report 2024

Guidance for the use of Pre-Exposure Prophylaxis (PrEP) for the prevention of HIV acquisition in British Columbia

(Updated October 9, 2025)

Update to HPV Immunization Eligibility

(Updated October 9, 2025)

Green Office Initiatives

The Facilities department continues to increase energy efficiency & reduce waste by using LED lights, repurposing furniture, and implementing a recycling program for cardboard, plastics, fluorescent tubes and batteries.

The BC-CfE took part in the Fall Go By Bike Week (September 27 - October 3, 2025) with five riders logging a total of 20 trips over 225 kilometres. According to GoByBikeBC, these efforts collectively burned 6,756 calories and would have saved 49kg of greenhouse gases.



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