



BRITISH COLUMBIA  
CENTRE *for* EXCELLENCE  
*in* HIV/AIDS

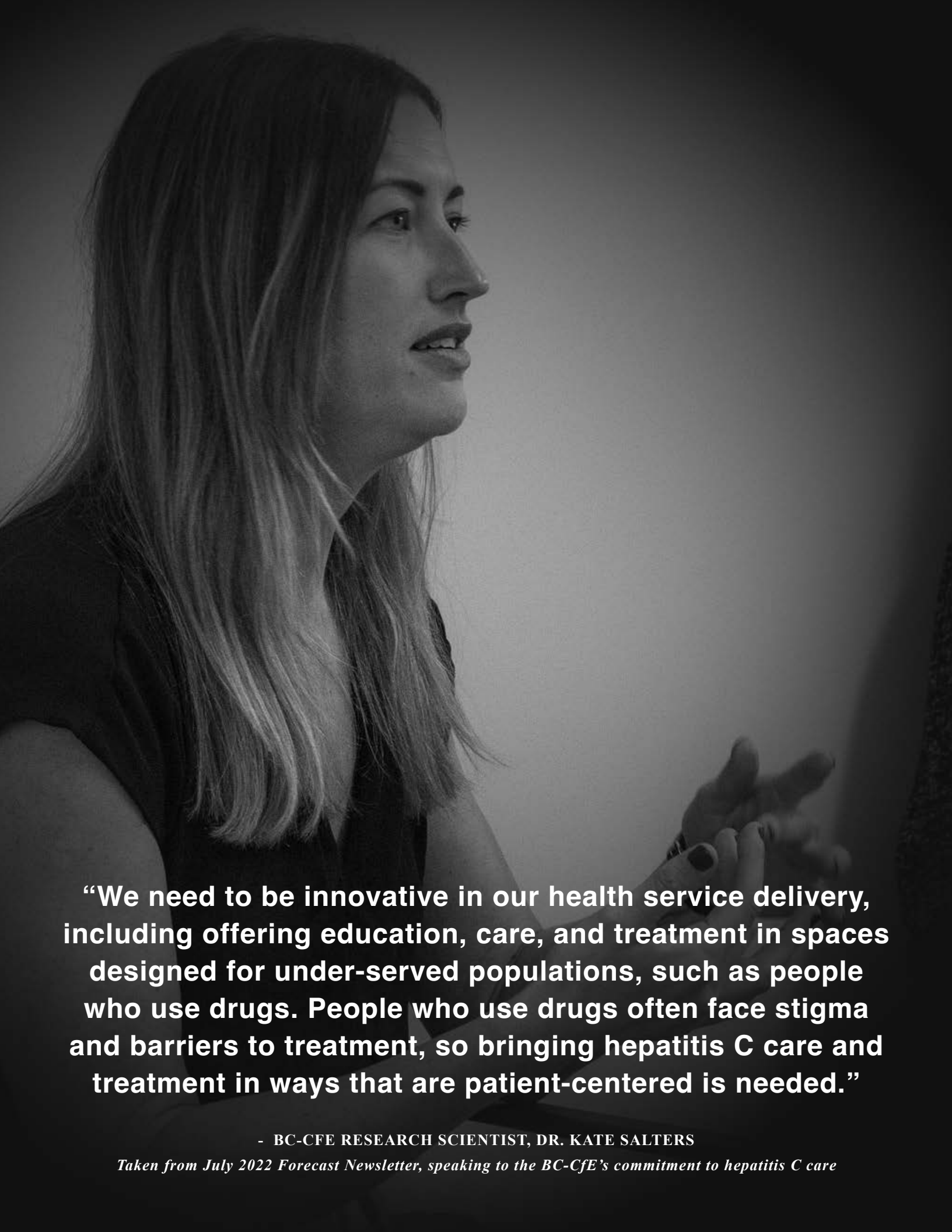


# BC Centre for Excellence in HIV/AIDS

KEY OUTPUTS, RESEARCH, POLICY & INNOVATION

REPORTING PERIOD

2022 - Q2 | JULY 1 - SEPTEMBER 30, 2022



**“We need to be innovative in our health service delivery, including offering education, care, and treatment in spaces designed for under-served populations, such as people who use drugs. People who use drugs often face stigma and barriers to treatment, so bringing hepatitis C care and treatment in ways that are patient-centered is needed.”**

**- BC-CFE RESEARCH SCIENTIST, DR. KATE SALTERS**

*Taken from July 2022 Forecast Newsletter, speaking to the BC-CfE’s commitment to hepatitis C care*

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# Grants, Awards & Funding

**DR. KATHERINE KOOLJ**

Michael Smith Foundation for Health Research BC  
Fellowship Award

**DR. VIVIANE LIMA**

UBC Outstanding Academic Performance (OAP)  
Award

**DR. MARK BROCKMAN**

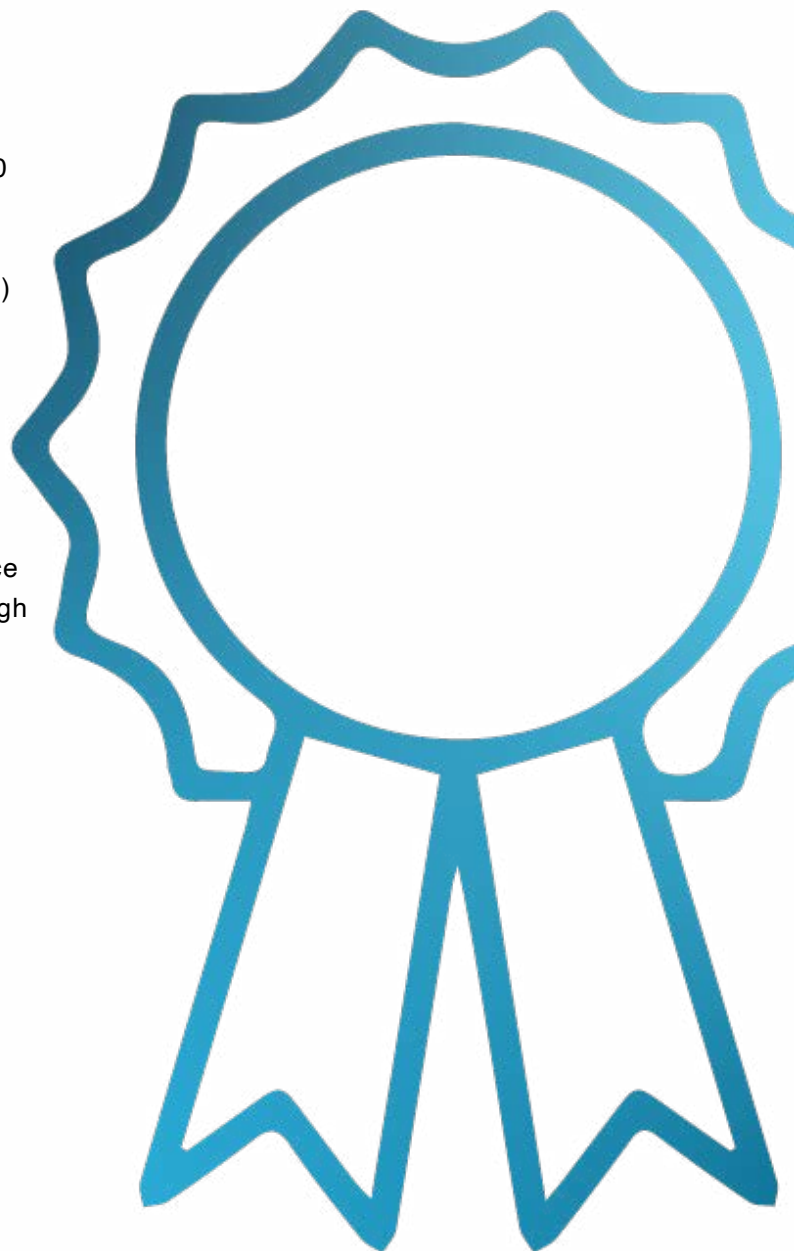
The BC Knowledge Development Fund (\$500,000  
for scientific equipment and infrastructure.  
The fund aims to attract skilled workers, foster  
innovation and enable collaboration with industry)

**VIRAL HEPATITIS C PROGRAM**

\$1800 Grant from Gilead Sciences to support  
World Hepatitis Day events

**THRIVE STUDY PEER RESEARCH ASSOCIATES**

Antonio Marante, Claudette Cardinal and Patience  
Magagula attended AIDS 2022 Conference through  
scholarship, including representation at the  
Canadian Pavilion (July 29-August 2, 2022)



# Presentations & Educational Sessions

PRESENTATIONS & EDUCATIONAL SESSIONS

## BC-CfE Journal Clubs

**Evaluating a psycho-social rehabilitation informed education program in order to support better transitions in care among clients with complex mental health disorders**  
 Dr. Kate Salters and Leo Gosselin  
 September 15, 2022

## HIV/AIDS Webinar Learning Series

**Innovations in Hepatitis C care and treatment to end the epidemic**  
 Drs. Kate Salters & Mark Hull  
 July 28, 2022

**The Monkeypox 2022 Outbreak is declared a Public Health Emergency of International Concern. What are the implications?**  
 Dr. Victor Leung  
 August 24, 2022

**Considerations Regarding Prevention and Treatment of HIV in Adolescents and Young Adults in BC**  
 Dr. Tatiana Sotindjo  
 September 21, 2022

## BC-CfE Hope to Health Learning Series

**A Review of the Antiretroviral Program and Clinical Approach to the Management of People Living with HIV**  
 Dr. Silvia Guillemi, Junine Toy and Chase Fisher  
 September 28, 2022

PRESENTATIONS & EDUCATIONAL SESSIONS

## BC-CfE Anniversary Conversation Series

**Chapter 3 | Improving access to HAART in BC: the STOP HIV/AIDS Pilot Project**  
 Dr. Rolando Barrios; moderated by Irene Day  
 September 28, 2022

## BOOST Quality Improvement (QI) Network Events

**Interior BOOST Education Webinar #1**  
 Various presenters  
 July 19, 2022

**Interior BOOST Learning Session #1**  
 Various presenters  
 September 22, 2022

## 24th International AIDS Conference (July 29-Aug 2, 2022)

### *Satellite Presentations*

**Virology of the reservoir (presented at the HIV Cure annual meeting ‘Pathways to an HIV cure: Research and advocacy priorities’)**  
 Dr. Zabrina Brumme

**Aging with Dignity: A Conversation on Home and Community Care for Older Adults Living with HIV/AIDS (presented at the AIDS 2022 Conference, Global Village Silver Zone)**  
 Thrive Study PRAs

PRESENTATIONS & EDUCATIONAL SESSIONS

*Oral Presentations***Hitting a moving target: HIV reservoir dynamics and implications for cure**

Dr. Zabrina Brumme

**Optimizing investments for health: Cash, cost and prices**

Dr. Viviane Lima (moderator)

*Poster Presentations***Low incidence of adverse drug reactions associated with generic-equivalent antiretroviral product substitutions in a publicly-funded HIV treatment program**Authors: O.L. Hunt, K.J. Lepik, N. Bacani, L. Wang, J. Toy, P. Sereda, T. McLinden, L. Akagi, M. Harris, E. Ready, J. Trigg, J.S.G. Montaner, R. Barrios**Examining the impacts of the COVID-19 pandemic on syndemic conditions and PrEP use among HIV among gay, bisexual and other men who have sex with men in Vancouver, Canada**Authors: J. Sang, D. Moore, L. Wang, J. Chia, J. Toy, J. Montaner, S. Skakoon-Sparling, J. Cox, G. Lambert, D. Grace, T. Hart, A. Lal, J. Jollimore, N. Lachowsky**What will it take to control the syphilis epidemic among gay, bisexual and other men who have sex with men (MSM) in British Columbia (BC), Canada?**Authors: V.D. Lima, J. Zhu, B. Takeh, J.F. David, J. Toy, P. Sereda, M. Hull, T. Grennan, R. Barrios, J.S.G. Montaner**HIV genetic diversity and compartmentalization in lung and blood of individuals on long-term ART**Authors: A. Shahid, B. Jones, J. Yang, W. Dong, K. Donohoe, C. Brumme, J. Joy, J. Leung, Z. Brumme**People living with HIV who are receiving suppressive antiretroviral therapy mount strong humoral responses to two and three doses of COVID-19 vaccine**Authors: H.R. Lapointe, F. Mwimanzi, P.K. Cheung, S. Speckmaier, G. Umviligihozo, F.H. Omondi, B. Ganase, H. Sudderuddin, J. Toy, P. Sereda, R. Barrios, S. Guillemi, C.J. Brumme, J.S.G. Montaner, M. Hull, M. Harris, M.A. Brockman, Z.L. Brumme, et al.**Factors associated with antiretroviral treatment interruptions among people living with HIV in British Columbia, Canada**Authors: C. Tam, T. Shen, J. Chia, D. Moore, K. Salters, T. Wesseling, S. Grieve, T. McLinden, T. Pakhomova, N. Dawydiuk, P. Sereda, R. Hogg, R. Barrios**Burden of chronic comorbidities among people living with and without HIV: disability-adjusted life years in British Columbia, Canada**Authors: N.G.A. Nanditha, J. Zhu, L. Wang, J. Kopec, R.S. Hogg, J.S.G. Montaner, V.D. Lima**Exploring differences in violence and abuse-related healthcare utilization and mortality among people living with and without HIV in British Columbia, Canada. Conference Poster Presentation. The 24th International AIDS Conference**Authors: K. Closson, C. Mudhikwa, J. Chia, T. McLinden, S. Emerson, C. Marshall, K. Salters, R.S. Hogg**Assessment of cardiovascular health using the "Life's Simple 7" among the Canadian HIV and Aging Cohort study participants: a cross-sectional observational study.**Authors: K. Giguère, D. Talbot, M. Messier-Peet, D. Tremblay-Sher, S. Matte, A. Chamberland, A. Charest, S. Harrison, J-G. Baril, B. Conway, C. Fortin, M. Harris, P. MacPherson, MCM. Murray, N. Pick, R. Thomas, B. Trottier, S. Trottier, S. Walmsley, A. Wong, C. Tremblay, B. Lamarche, and M. Durand, for the Canadian HIV and Aging Cohort Study

**Subtype A1 and D HIV-1 proviral genome landscape in Rakai, Uganda**

Authors: G.Q. Lee, P. Khadka, R.B. Jones, Z.L. Brumme, J. Kasule, T. Kityamuweesi, P. Buule, S. Reynolds, T. Quinn, J. Prodger, A.D. Redd

**Viral genome-intactness bioinformatics for subtype A1 and D HIV-1**

Authors: P. Khadka, R.B. Jones, Z. Brumme, J. Kasule, T. Kityamuweesi, P. Buule, S. Reynolds, T. Quinn, J. Prodger, A.D. Redd, G.Q. Lee

**Depressive symptoms and health services utilization in the HIV-Hepatitis C co-infected population in Canada**

Authors: G. Marathe, E.E. Moodie, M.-J. Brouillette, C. Laniece Delaunay, C. Cooper, M. Hull, V. Martel-Laferrrière, S. Walmsley, J. Cox, M.B. Klein, Canadian Co-Infection Cohort

**External Presentations****Molecular epidemiology and phylogenetic monitoring of HIV and HCV in Canada: from science to public health action**

H2Seq Initiative  
Dr. Jeffrey Joy  
July 22, 2022

**Phylogenetic monitoring reports in British Columbia**

BC Phylogenetic Monitoring Committee  
Dr. Jeffrey Joy  
August 19, 2022

**Introduction to Mathematical Modelling. Principles of STI/HIV Research and Public Health Practice Course**

University of Washington  
Dr. Viviane Lima  
August 27, 2022

**Q3 phylogenetic analysis of Saskatchewan HIV**

Saskatchewan Public Health  
Dr. Jeffrey Joy  
September 2022

**Phylogenetic clustering of HIV cases in Manitoba**

Manitoba Public Health  
Dr. Jeffrey Joy  
September 2022

**COVID-19 vaccine immune responses in older adults: a Vancouver-based cohort**

COVID-19 immunity task force Modelling group  
Dr. Zabrina Brumme  
September 6, 2022

**Ageing with HIV/AIDS presentation to HCA students at**

Drake Medox College  
Thrive Study PRAs  
September 30, 2022

# Peer-reviewed Journal Articles & Book Publications

PUBLICATIONS

1: Yazdani K, Salters K, Shen T, Dolguikh K, Trigg J, White RF, Closson K, Nanditha NGA, Honer WG, Vila-Rodriguez F, Lima VD, Montaner JSG, Barrios R. A 20-year population-based study of all-cause and cause-specific mortality among people with concurrent HIV and psychotic disorders. *AIDS*. 2022 Nov 1;36(13):1851-1860. doi: 10.1097/QAD.0000000000003341. Epub 2022 Jul 25. PMID: 35876651.

2: Trottier H, Moore D. Managing population health risks as we learn to live with COVID-19. *Can J Public Health*. 2022 Oct;113(5):649-652. doi: 10.17269/s41997-022-00686-w. Epub 2022 Aug 15. PMID: 35969353; PMCID: PMC9377293.

3: Fonseca-Cuevas A, Nanditha NGA, Shen T, Moore DM, Lachowsky NJ, Card KG, Sang JM, Wang L, Chia J, Duailibe F, Hogg RS, Lima VD. Use of Gay Chatlines and Online Dating Platforms as Potential Mediators or Moderators in the Relationship Between Loneliness, Self-Rated Attractiveness and Human Immunodeficiency Virus Acquisition Risk Among Gay, Bisexual, and Other Men Who Have Sex With Men in Vancouver, Canada. *Sex Transm Dis*. 2022 Oct 1;49(10):706-712. doi: 10.1097/OLQ.0000000000001672. Epub 2022 Jul 7. PMID: 35794818; PMCID: PMC9481688.

4: Closson K, Nicholson V, Lee M, McLinden T, Cassidy-Matthews C, G Card K, E Marziali M, Trigg J, Wang L, Parashar S, S G Montaner J, Gibbs A, Hart TA, Kaida

PUBLICATIONS

A, Hogg RS. Associations between psychosocial factors and antiretroviral therapy outcomes differ by gender and sexual orientation among people living with HIV in British Columbia, Canada. *AIDS Care*. 2022 Sep 28:1-10. doi: 10.1080/09540121.2022.2126959. Epub ahead of print. PMID: 36169492.

5: Sang JM, Wong J, Ryan V, Cumming E, Wang L, Cui Z, Bacani N, Haag D, Lachowsky NJ, Cox J, Grace D, Otterstatter M, Morshed M, Edward J, Grennan T, Arkles J, Brownrigg B, Hogg RS, Moore DM. Examining the impacts of a syphilis awareness campaign among gay, bisexual, and other men who have sex with men (gbMSM) in British Columbia, Canada. *Can J Public Health*. 2022 Sep 26. doi: 10.17269/s41997-022-00690-0. Epub ahead of print. PMID: 36156198.

6: Miller RL, McLaughlin A, Montoya V, Toy J, Stone S, Harding J, Liang RH, Wong J, Barrios R, Montaner JSG, Joy JB. Impact of SARS-CoV-2 lockdown on expansion of HIV transmission clusters among key populations: A retrospective phylogenetic analysis. *Lancet Reg Health Am*. 2022 Sep 23:100369. doi: 10.1016/j.lana.2022.100369. Epub ahead of print. PMID: 36168656; PMCID: PMC9500205.

7: Moore DM, Nanfuka M, Zhang W, Okoboi S, Kaleebu P, Kapaata A, Zhu J, Tibengana B, Birungi J. Limited impact of first-line drug resistance mutations on virologic response among patients receiving second-line



anti-retroviral therapy in rural Uganda. *J Acquir Immune Defic Syndr.* 2022 Sep 23. doi: 10.1097/QAI.0000000000003103. Epub ahead of print. PMID: 36150042.

8: Azar P, Wong JSH, Mathew N, Vogel M, Perrone J, Herring AA, Krausz RM, Montaner JSG, Greenwald MK, Maharaj AR. 48-hour Induction of Transdermal Buprenorphine to Sublingual Buprenorphine/ Naloxone: The IPPAS Method. *J Addict Med.* 2022 Sep 23. doi: 10.1097/ADM.0000000000001072. Epub ahead of print. PMID: 36149002.

9: Mwimanzi F, Lapointe HR, Cheung PK, Sang Y, Yaseen F, Umvilighozo G, Kalikawe R, Datwani S, Omondi FH, Burns L, Young L, Leung V, Agafitei O, Ennis S, Dong W, Basra S, Lim LY, Ng K, Pantophlet R, Brumme CJ, Montaner JSG, Prystajacky N, Lowe CF, DeMarco ML, Holmes DT, Simons J, Niikura M, Romney MG, Brumme ZL, Brockman MA. Older Adults Mount Less Durable Humoral Responses to Two Doses of COVID-19 mRNA Vaccine but Strong Initial Responses to a Third Dose. *J Infect Dis.* 2022 Sep 21;226(6):983-994. doi: 10.1093/infdis/jiac199. PMID: 35543278; PMCID: PMC9129202.

10: Lapointe HR, Mwimanzi F, Cheung PK, Sang Y, Yaseen F, Kalikawe R, Datwani S, Waterworth R, Umvilighozo G, Ennis S, Young L, Dong W, Kirkby D, Burns L, Leung V, Holmes DT, DeMarco ML, Simons J, Matic N, Montaner JSG, Brumme CJ, Prystajacky N, Niikura M, Lowe CF, Romney MG, Brockman MA, Brumme ZL. Serial infection with SARS-CoV-2 Omicron BA.1 and BA.2 following three-dose COVID-19 vaccination. *Front Immunol.* 2022 Sep 6;13:947021. doi: 10.3389/fimmu.2022.947021. PMID: 36148225; PMCID: PMC9485663.

11: Hernández Cordero AI, Yang CX, Yang J, Li X, Horvath S, Shaipanich T, MacIsaac J, Lin D, McEwen L, Kobor MS, Guillemi S, Harris M, Lam W, Lam S, Obeidat M, Novak RM, Hudson F, Klinker H, Dharan N, Montaner J, Man SFP, Kunisaki K, Sin DD, Leung JM; INSIGHT START Pulmonary and Genomic Substudy Groups. The relationship between the epigenetic aging biomarker “grimage” and lung function in both the airway and blood of people living with HIV: An observational cohort study. *EBioMedicine.* 2022 Sep;83:104206. doi: 10.1016/j.ebiom.2022.104206. Epub 2022 Aug 6. PMID: 35944348; PMCID: PMC9379521.

12: Vorobyova A, Braley MS, Burgess H, Grieve S, Lyndon S, Wesseling T, Parashar S. Depressive symptoms among people living with HIV in permanent supportive housing: Findings from a community-based participatory study in Vancouver, Canada. *J Community Psychol.* 2022 Sep;50(8):3778-3791. doi: 10.1002/jcop.22871. Epub 2022 May 17. PMID: 35579573.

13: Mohan H, Atkinson K, Watson B, Brumme CJ, Serghides L. A Pharmacokinetic Dose-Optimization Study of Cabotegravir and Bictegravir in a Mouse Pregnancy Model. *Pharmaceutics.* 2022 Aug 24;14(9):1761. doi: 0.3390/pharmaceutics14091761. PMID: 36145509; PMCID: PMC9501129.

14: Stevenson EM, Terry S, Copertino D, Leyre L, Danesh A, Weiler J, Ward AR, Khadka P, McNeil E, Bernard K, Miller IG, Ellsworth GB, Johnston CD, Finkelsztein EJ, Zumbo P, Betel D, Dündar F, Duncan MC, Lapointe HR, Speckmaier S, Moran-Garcia N, Papa MP, Nicholes S, Stover CJ, Lynch RM, Caskey M, Gaebler C, Chun TW, Bosque A, Wilkin TJ, Lee GQ, Brumme ZL, Jones RB. SARS CoV-2 mRNA vaccination exposes latent HIV to Nef-specific CD8<sup>+</sup> T-cells. *Nat Commun.* 2022 Aug 19;13(1):4888. doi:

10.1038/s41467-022-32376-z. PMID: 35985993; PMCID: PMC9389512.

15: Closson K, Lee M, Gibbs A, Nicholson V, Gormley R, Parry R, Ding E, Li J, Carter A, Pick N, Loutfy M, de Pokomandy A, Greene S, Logie CH, Kaida A. Sexual Relationship Power Equity Is Associated With Consistent Condom Use and Fewer Experiences of Recent Violence Among Women Living With HIV in Canada. *J Acquir Immune Defic Syndr*. 2022 Aug 15;90(5):482-493. doi: 10.1097/QAI.0000000000003008. PMID: 35499522.

16: Skakoon-Sparling S, Card KG, Novick JR, Berlin GW, Lachowsky NJ, Adam B, Brennan DJ, Sang JM, Noor SW, Cox J, Moore DM, Grace D, Grey C, Daroya E, Hart TA. The relevance of communal altruism for sexual minority men in contemporary contexts. *J Community Psychol*. 2022 Aug 6. doi: 10.1002/jcop.22923. Epub ahead of print. PMID: 35932490.

17: Haber NA, Wieten SE, Rohrer JM, Arah OA, Tennant PWG, Stuart EA, Murray EJ, Pilleron S, Lam ST, Riederer E, Howcutt SJ, Simmons AE, Leyrat C, Schoenegger P, Booman A, Dufour MK, O'Donoghue AL, Baglini R, Do S, Takashima MR, Evans TR, Rodriguez-Molina D, Alsalti TM, Dunleavy DJ, Meyerowitz-Katz G, Antonietti A, Calvache JA, Kelson MJ, Salvia MG, Parra CO, Khalatbari-Soltani S, McLinden T, Chatton A, Seiler J, Steriu A, Alshihayb TS, Twardowski SE, Dabravolskaj J, Au E, Hoopsick RA, Suresh S, Judd N, Peña S, Axfors C, Khan P, Rivera Aguirre AE, Odo NU, Schmid I, Fox MP. Causal and Associational Language in Observational Health Research: A Systematic Evaluation. *Am J Epidemiol*. 2022 Aug 4:kwac137. doi: 10.1093/aje/kwac137. Epub ahead of print. PMID: 35925053.

18: McLaughlin A, Montoya V, Miller RL, Mordecai GJ; Canadian COVID-19 Genomics Network (CanCOGen) Consortium, Worobey M, Poon AFY, Joy JB. Genomic epidemiology of the first two waves of SARS-CoV-2 in Canada. *Elife*. 2022 Aug 2;11:e73896. doi: 10.7554/eLife.73896. PMID: 35916373; PMCID: PMC9345601.

19: Blumenkrans E, Hamilton J, Mohd Salleh NA, Kaida A, Small W, Barrios R, Milloy MJ. HIV and Incarceration: Implications for HIV-Positive People Who Use Illicit Drugs During a Seek, Test, Treat, and Retain Initiative in Canada. *J Correct Health Care*. 2022 Aug;28(4):236-242. doi: 10.1089/jchc.20.04.0021. Epub 2022 Jun 27. PMID: 35758827; PMCID: PMC9529366.

20: Inceer M, Brouillette MJ, Fellows LK, Morais JA, Harris M, Smaill F, Smith G, Thomas R, Mayo NE. Factors partitioning physical frailty in people aging with HIV: A classification and regression tree approach. *HIV Med*. 2022 Aug;23(7):738-749. doi: 10.1111/hiv.13236. Epub 2022 Feb 1. PMID: 35106895.

21: McClean AR, Kooij KW, Trigg J, Ye M, Sereda P, McLinden T, Bacani N, Aran N, Thomas R, Wong A, Klein MB, Hull M, Cooper C, Salters K, Hogg RS; CANOC Collaboration. Tobacco smoking and HIV-related immunologic and virologic response among individuals of the Canadian HIV Observational Cohort (CANOC). *AIDS Care*. 2022 Aug;34(8):982-991. doi: 10.1080/09540121.2021.1929813. Epub 2021 Jun 1. PMID: 34074181.

22: Miller RL, McLaughlin A, Liang RH, Harding J, Wong J, Le AQ, Brumme CJ, Montaner JSG, Joy JB. Phylogenetic prioritization of HIV-1 transmission clusters with viral lineage-level diversification rates. *Evol Med Public Health*. 2022 Jul 22;10(1):305-315. doi: 10.1093/emph/

eoac026. PMID: 35899097; PMCID: PMC9311310.

23: Nicolau IA, Antoniou T, Brooks JD, Moineddin R, Cooper C, Cotterchio M, Gillis JL, Kendall CE, Kroch AE, Lindsay JD, Price C, Salters K, Smieja M, Burchell AN. The burden of cancer among people living with HIV in Ontario, Canada, 1997-2020: a retrospective population-based cohort study using administrative health data. *CMAJ Open*. 2022 Jul 19;10(3):E666-E674. doi: 10.9778/cmajo.20220012. PMID: 35853661; PMCID: PMC9312995.

24: Hernández Cordero AI, Yang CX, Yang J, Horvath S, Shaipanich T, Maclsaac J, Lin DTS, Kobor MS, Guillemi S, Harris M, Lam W, Lam S, Montaner J, Man SFP, Sin DD, Leung JM. Airway Aging and Methylation Disruptions in HIV-associated Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med*. 2022 Jul 15;206(2):150-160. doi: 10.1164/rccm.202106-1440OC. PMID: 35426765.

25: Birch R, Jollimore J, Howard T, Lal A, Cui Z, Rich AJ, Lachowsky N, Moore DM, Hogg RS, Roth EA. Hosts as Gatekeepers for North American Gay and Bisexual Men's Private Group Sex Parties. *J Homosex*. 2022 Jul 3;69(8):1398-1413. doi: 10.1080/00918369.2021.1913919. Epub 2021 May 14. PMID: 33989132.

26: Logie CH, Sokolovic N, Kazemi M, Islam S, Frank P, Gormley R, Kaida A, de Pokomandy A, Loutfy M; CHIWOS Research Team. Does resource insecurity drive HIV-related stigma? Associations between food and housing insecurity with HIV-related stigma in cohort of women living with HIV in Canada. *J Int AIDS Soc*. 2022 Jul;25 Suppl 1(Suppl 1):e25913. doi: 10.1002/jia2.25913. PMID: 35818863; PMCID: PMC9274209.

27: Lepik KJ, Wang L, Harris M, McLinden T, Guliani S, Akagi L, Toy J, Sereda P, Lima VD, Montaner JSG, Barrios R. Evolving patterns of antiretroviral drug interactions in people with HIV in British Columbia, Canada. *AIDS*. 2022 Jul 1;36(8):1105-1115. doi: 10.1097/QAD.0000000000003226. Epub 2022 Mar 11. PMID: 35285822.

28: Thompson KA, Blank G, Toy J, Moore DM, Lachowsky N, Bacani N, Zhang W, Sereda P, Lima VD, Barrios R, Montaner JSG, Hull MW. Prevalence and incidence of hepatitis C infection amongst men who have sex with men in a population-based pre-exposure prophylaxis program in British Columbia, Canada. *Liver Int*. 2022 Jul;42(7):1528-1535. doi: 10.1111/liv.15237. Epub 2022 Mar 28. PMID: 35274805.

29: Kaida A, Brotto LA, Murray MCM, Côté HCF, Albert AY, Nicholson V, Gormley R, Gordon S, Booth A, Smith LW, Baaske A, Galea LAM, Sadarangani M, Ogilvie GS. Intention to Receive a COVID-19 Vaccine by HIV Status Among a Population-Based Sample of Women and Gender Diverse Individuals in British Columbia, Canada. *AIDS Behav*. 2022 Jul;26(7):2242-2255. doi: 10.1007/s10461-022-03577-w. Epub 2022 Jan 12. PMID: 35020094; PMCID: PMC8753016.

30: McGinnis KA, Justice AC, Moore RD, Silverberg MJ, Althoff KN, Karris M, Lima VD, Crane HM, Horberg MA, Klein MB, Gange SJ, Gebo KA, Mayor A, Tate JP; North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) of the International Epidemiologic Databases to Evaluate AIDS (IeDEA) and Veterans Aging Cohort Study (VACS). Discrimination and Calibration of the Veterans Aging Cohort Study Index 2.0 for Predicting Mortality Among People With Human Immunodeficiency Virus in North America. *Clin Infect Dis*. 2022 Aug 25;75(2):297-304. doi: 10.1093/cid/ciab883. PMID: 34609485; PMCID: PMC9410720.

# Reports, Guidelines & Policy Updates

## **DRUG TREATMENT PROGRAM MONTHLY REPORTS**

January 2022 (released July 2022)

February 2022 (released July 2022)

## **PrEP SEMI-ANNUAL MONITORING REPORT 2021 Q4**

[https://www.bccfe.ca/sites/default/files/uploads/publications/centredocs/prep\\_qmr\\_report\\_q4\\_2021.pdf](https://www.bccfe.ca/sites/default/files/uploads/publications/centredocs/prep_qmr_report_q4_2021.pdf)

## **HIV MONITORING SEMI-ANNUAL REPORT 2022 Q2**

<https://bccfe.ca/publications/centre-documents/hiv-monitoring-semi-annual-report-second-quarter-2022>

## **BC-CFE PHARMACOVIGILANCE 2021 ANNUAL REPORT**

<https://bccfe.ca/publications/centre-documents/bc-cfe-pharmacovigilance-2021-annual-report>

## **THRIVE RESEARCH REPORT: POLICY AND CARE RECOMMENDATIONS**

<https://bccfe.ca/sites/default/files/thrive-research-report.pdf>



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