

Environmental Scan of In-Process Research Activities in Canada Related to Health, HIV and Aging

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Realize is the leading national, charitable organization working to improve the health and well-being of people living with HIV and other episodic disabilities, across the lifespan, through integrated research, education, policy and practice. **Realize** members come from across Canada, as well as internationally, and include people living with HIV and other chronic conditions, members of community-based HIV and disability organizations, national associations of health professionals, government agencies, private businesses, universities, and the employment sector.

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Environmental Scan Contributions and Report Authorship:

- **Sunny Wang, Puja Ahluwalia, Kate Murzin** – Data collection & Report Co-Authorship
- Puja Ahluwalia and Kate Murzin – Reviewing and coding data
- NCC RWG – Interpretation of findings

Environmental Scan of In-Process Research Activities in Canada Related to Health, HIV and Aging

Background

The Public Health Agency of Canada estimates that 62,050 people were living with HIV in Canada in 2018.¹ While national-level prevalence data is not disaggregated by age, based on estimates from other jurisdictions, it is reasonable to estimate that 40-50% of people living with HIV in Canada (approximately 25,000 - 31,000 people) are now over the age of 50.^{2,3} This proportion continues to grow given the significant impact of modern antiretroviral therapy on longevity among people living with HIV, as well as a steady stream of new diagnoses in this age group. In 2019, about 1 in 4 new HIV diagnoses among men, and 1 in 5 new HIV diagnoses among women, were in people age 50 or older.⁴

Research is an important tool for documenting how aging, HIV and a person's environment intersect to impact their body and mind, social inclusion, and opportunities. Through research on HIV, aging and older adulthood, we can understand more deeply the experiences of an individual or group; identify strengths, challenges, and unmet needs among diverse communities of people growing older with HIV; and identify factors that are more likely to affect the well-being of aging and older people living with HIV than their HIV-negative peers. Research also enables us to evaluate the impact of our policy and programmatic responses to HIV/STBBIs and/or aging on older adults living with or vulnerable to HIV. New knowledge can be used to create evidence-informed policies and practices that foster well-being, increase equity, and respond to the unmet needs of aging and older people living with HIV.

Objectives & Scope

The National Coordinating Committee on HIV and Aging (NCC) conducted the first *Environmental Scan of In-Process Research Activities in Canada Related to Health, HIV and Aging* in 2013. The original scan resulted in a searchable point-in-time inventory of in-process Canadian research activities related to HIV and aging, and an analysis of these research activities based on the health domains they addressed.

Knowing that most research grants in Canada are short and that all in-process research projects captured in the 2013 environmental scan would now be complete, we opted to replicate the scan in 2021. Our objectives were:

- 1) To systematically identify in-process HIV and aging-related research in Canada, replicating the methods used to conduct the 2013 scan

¹ Public Health Agency of Canada. (2020). Estimates of HIV incidence, prevalence and Canada's progress on meeting the 90-90-90 HIV targets.

² Smit M, Brinkman K, Geerlings S, Smit C, Thyagarajan K, Sighem Av, de Wolf F, Hallett TB; ATHENA observational cohort. Future challenges for clinical care of an ageing population infected with HIV: a modelling study. *Lancet Infect Dis*. 2015 Jul;15(7):810-8.

³ Autenrieth, C. S., Beck, E. J., Stelzle, D., Mallouris, C., Mahy, M., & Ghys, P. (2018). Global and regional trends of people living with HIV aged 50 and over: Estimates and projections for 2000-2020. *PloS one*, 13(11), e0207005.

⁴ Haddad N, Weeks A, Robert A, Totten S. HIV in Canada—surveillance report, 2019. *Can Commun Dis Rep* 2021;47(1):77–86.

- 2) To provide a preliminary analysis of in-process HIV and aging-related research in Canada in 2021 and compare results against those from the 2013 scan to identify changes in the research landscape over the last decade
- 3) To inform the development of The Pan-Canadian Research Agenda on HIV, Aging, and Older Adulthood which will serve as a roadmap for HIV and aging research stakeholders, including funders, investigators and teams, and knowledge users.

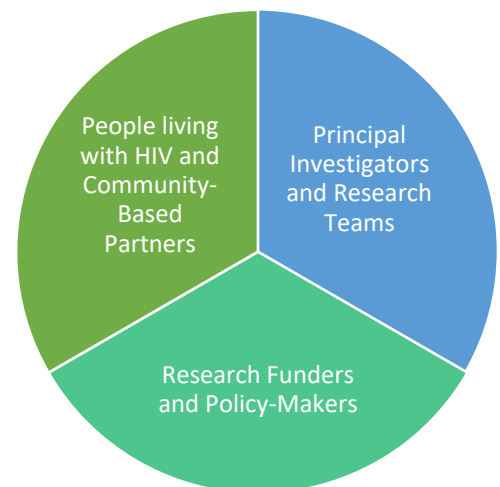
Who is this report for?

This report and the research database provide a snapshot of the HIV and aging research underway in Canada at a single point in time.

Aging and older people living with HIV, their carers, and representatives of community-based HIV organizations can refer to the database to identify research projects that are currently taking place in their jurisdiction. This information may facilitate increased community participation in the research process, whether through research participation, research team membership, or advocacy for future research on particular topics or with specific communities.

Principal investigators and research teams can use these resources to identify gaps in the HIV and aging research landscape, information which may help them to shape future research questions. They can also use the database to identify potential collaborators who share a mutual interest in researching particular aspects of HIV and aging.

Research funders and policymakers can reference this report and database to better understand how resources are being allocated within this field of research, to inform research priority-setting activities, and to identify projects that may produce evidence needed to inform decision-making.



Methods

Search Strategy and Inclusion Criteria

In June, July, and August of 2021, we undertook an environmental scan of in-process research in Canada relevant to aging and older adults living with HIV. We catalogued relevant project details gathered from the following sources:

- Organizational and funder databases
- Survey responses from HIV and aging research stakeholders who participated in *Realize's* March 2021 Think Tank

- Correspondence with Coordinators of major cohort studies in Canada and/or organizations previously involved in HIV and aging research
- Conference abstracts (e.g., CAHR)
- Internet search engines (e.g., Google)

A list of the websites and databases searched can be found in Appendix A.

The scan was conducted in both English and French, and a web-based translation device was used to interpret French language websites and databases.

Search Strategy

First, the team generated a list of HIV research stakeholder (researchers, funders, knowledge users) websites. Depending on the source website (e.g., funding databases, organizational websites), one or more of the search strategies described below was used to identify HIV and aging-focused research:

- Keyword search within a database (e.g., “aging”, “ageing”, “HIV”, “older”, “elder” and variations of these keywords);
- Keywords search on a web page using the website search engine and computer “search” function (command+F);
- Keyword search within a PDF, PowerPoint presentation, or other text-format documents downloaded from a website; or
- Manual search by navigating to relevant sections of a website and clicking on links

Search Step Inclusion Criteria

Our scan focused on in-process research on HIV and aging in Canada. In order to capture any and all studies that were active time of the scan, we searched for studies funded from 2016 onwards. We included research projects that:

- Explicitly referenced “aging” or similar terms in the context of HIV (e.g., “older adults”, “people living and aging with HIV”)
- Appeared relevant to the physical, social, or environmental determinants of health for aging and older adults living with HIV
- Were focused on specific sub-populations aging with HIV (e.g., Indigenous elders, older women etc.)
- Focused on HIV and co-morbidity or disability since many chronic health conditions (e.g., cancer, HIV-associated neurocognitive disorders, cardiovascular conditions, etc.) are more prevalent with age

Information regarding each relevant research project was entered into an Excel spreadsheet (see Appendix C for data fields). In some cases, fields were left unfilled as the data source did not contain fulsome information on the project.

Reviewing and Coding

Project records were reviewed firstly by one reviewer familiar with the HIV & aging research landscape in order to apply a stricter definition of “in-process” research. If the funding period for a study had

ended between 2016 and 2020, research results had been published, or a student award recipient had graduated, the record was purged from the database. Travel awards were also removed. Two reviewers checked the remaining records to verify inclusion criteria, eliminate irrelevant entries and reach consensus on coding for health domain and categories.

To allow us to compare the findings of our scan with those of the 2013 scan, we categorized the studies using the same health domains and categories, originally used by the Ontario HIV Treatment Network in a scoping review on HIV, aging and health.⁵ Reviewers added a new health domain (“Cross-cutting”) for projects whose research focus applied to more than 3 of the existing health domains (see Appendix B).

As per the original scan, we created duplicate records for studies that were coded under 2 or 3 health domains.

Results

Funding

The total monetary investment in HIV and aging research was \$27,437, 150. This represents a nearly twofold increase compared to 2013 (\$15 million), but the number of active studies has decreased.

The projects included in this scan vary in sample size, length of study, and the total amount of funding. Large scale studies include those supported by Foundation Grants and Team Grants such as the HIV/AIDS Comorbidities Prevention and Health Living Team Grant. Mid-scale studies include those funded by Project Grants, and small-scale studies are mostly funded by the Social Science and Humanities Research Council (SSHRC). Other disbursements included doctoral awards and post-doctoral fellowships awarded by academic and health care institutions.

Distribution of Research Activity Across Health Domains

A total of 92 research records representing 62 unique researchers or research projects funded were analyzed.

The current environmental scan shows that research related to physical health in HIV and aging remains the area with the highest volume of activity (45%). Compared to the 2013 scan, the number of studies addressing this health domain has increased. Within this domain, research on comorbidities has surged, surpassing the volume of research on physical well-being which predominated in the 2013 scan.

Mental health and health services research represent the second and third most active domains of HIV and aging research, with each contributing 14% of all research activity identified in the scan. As compared to the 2013 scan, research in both areas has decreased. HIV-Associated Neurocognitive Disorders (HAND) is receiving the most attention in the mental health domain and research on health service access took top priority within the health services research domain.

⁵ Chambers, L.A., Wilson, M.G., Rueda, S. *et al.* Evidence Informing the Intersection of HIV, Aging and Health: A Scoping Review. *AIDS Behav* **18**, 661–675 (2014).

As compared to the 2013 scan, research on antiretroviral treatment (ART) has decreased, whereas studies on social participation and sexual health have increased in number.

Table 1: HIV and Aging Research Activity in Canada by Health Domain and Associated Categories

Health Domain	Research Activity n (%)	Categories within Health Domain	Research Activity n
Physical Health	41 records (45%)	Comorbidities	26
		HIV Markers	1
		Medications	3
		Mortality/Survival	2
		Opportunistic Infections	1
		Physical Well-being	8
Mental Health	13 records (14%)	HIV-Associated Neurocognitive Disorders	5
		Neurocognitive Functioning	4
		Psychological Well-being	3
		Substance Use	1
Health Services	13 records (14%)	Health Service Access	8
		Health Service Utilization – Health Care	1
		Health Service Utilization – HIV-related Care	1
		Health Service Utilization – Mental Health	1
		Health Service Utilization – Other	2
Social Participation	8 records (9%)	Labour force Participation	2
		Social Isolation	1
		Social Support	1
		Social Well-being	3
		Spirituality	1
ART	3 records (3%)	Treatment Adherence	1
		Treatment Response	1
		Treatment Alternatives	1
Sexual Health	6 records (7%)	STIs	3
		Reproductive Health	3
Cross-Cutting	8 records (9%)	Not applicable	N/A
Total Records	92		
<p><i>Thirty-two (n=32) projects focused on a single health domain; fourteen (n=14) either addressed two health domains (n=11) or two categories within one health domain (n=3); eight addressed three categories within one health domain (n=4), across two health domains (n=1), or across three health domains (n=3). Eight (n=8) records were coded as 'cross-cutting' meaning they addressed more than three health domains.</i></p>			

Population Focus

About one third (23/62) of the unique research studies identified in our search focused on a subpopulation of people living with HIV.

- Only three studies exclusively involved older adults living with HIV, with two recruiting people aged 65+ and the third recruiting people aged 60+
- Five projects engaged middle-aged/aging people living with HIV (age 50+)
- Two relevant studies focused on the wellbeing of Indigenous people living and aging with HIV
- No study had a population focus on racialized older adults
- Four studies exclusively engaged gay, bisexual and other men who have sex with men, and all were related to human papilloma virus (HPV) and anal cancer
- Six research projects focused women aging with HIV. The impact of female sex hormones on healthy aging and the experience of menopause were being studied, as was bone health. We identified one large cohort study that is focused on health and aging for women living with HIV, however it enrolls women of all ages. We found one intervention study involving a peer-led social program for women living with HIV.

Cohort Study Data

Data collected from participants in at least one large Canadian cohort study (the OHTN Cohort Study) is being analyzed to determine the characteristics of people aging with HIV (>50 years of age) with regards to gender, race, risk factors, comorbidities, education, income, housing, social support, substance use, cognition and response to ART.

Comparing the Findings of the 2013 and 2021 Environmental Scans

A significant amount of research related to HIV and aging was identified in the current Environmental Scan. Authors of the previous iteration of the scan noted that much of the research from 2013 did not cite aging as an explicit focus. Similarly, the current scan from 2021 captured many studies with a focus on HIV and comorbid diseases where age or aging is investigated as a variable contributing to disease burden rather than a primary focus of the research.

The 2013 scan showed a gap between the top three health domains (Physical Health, Mental Health, Health Services) addressed by the included studies and the bottom three (Social Participation, ARTs, Sexual Health). The current report shows a wide gap between the domain of Physical Health, which occupies 45% of total entries, and the other five health domains. Mental Health and Health Services research make up 14% each of total entries; Social Participation makes up 9%; Sexual Health occupies 7%; and ARTs takes 3%. Thus, it seems that HIV and aging research focusing on Physical Health has grown disproportionately compared to the other categories since the 2013 environmental scan.

One major difference in this year's scan is the addition of the "Cross-Cutting" domain, which classifies projects whose research falls under more than three of the existing health domains (see Appendix B).

In terms of research methodologies, reviewers found very few examples of qualitative and/or community-based research, as compared to a large variety of quantitative studies.

Conclusions

The results of the current scan show that researchers in the field of HIV and aging are mainly using quantitative research methods to investigate the physical health and comorbidities associated with aging with HIV. There appears to be significantly less investment in qualitative projects that focus on lived experience, especially within racialized communities.

Limitations

This environmental scan of in-process HIV and aging research activities in Canada was conducted using publicly available information obtained through online sources. It is likely this list of research activities is not exhaustive and that some of the information captured therein is out-of-date, but the scan does provide a snapshot of the current HIV and aging research landscape. If anything, our data may underestimate the amount of work being done on this subject. In addition, many sources did not provide detailed information on the study rationale or funding source and amount, leading to gaps in data collection.

The current scan was conducted during the COVID-19 global pandemic. Many research studies were put on hold for several months in accordance with public health restrictions on in-person work and gathering. When assessing records for inclusion, reviewers assumed that any study with funding scheduled to end between March 2020 (the beginning of COVID-related lockdowns in Canada) and the time the scan was conducted (June-September 2021) may still be “in progress”.

Appendix A – Information Sources

Government

University

HIV/AIDS Organizations and Institutions

Other Non-Governmental Organizations and Institutions

Pharmaceutical Industry

Appendix B: Coding Schema

In order to allow for comparison between the findings of the 2021 and 2013 Environmental Scans of In Process Research, we coded our data based on the same health domains and associated categories used in the original scan. This schema was originally used in the OHTN's 2012 *Evidence Informing the Intersection of HIV, Aging and Health: A Scoping Review*.

We kept the modifications made in 2013 and added a few more to the coding framework in response to the changing landscape of HIV and aging research in Canada. We added a new health domain – **Cross-Cutting** – to indicate studies/projects that addressed more than three of the existing health domains. We also added the category **Reproductive Health** under the domain Sexual Health.

Health Domain	Categories within Health Domain
Physical Health	Comorbidities – Cancer (Non HIV-related) Comorbidities – Cardiovascular Comorbidities – Endocrine/Metabolic Comorbidities Gastrointestinal Comorbidities – Hematologic Comorbidities – Kidney/Renal Comorbidities – Lung/Pulmonary Comorbidities – Musculoskeletal Comorbidities – Neurological Comorbidities - Other HIV Markers HIV-Related Symptoms Medications Mortality/Survival Opportunistic Infections Physical Well-being
Mental Health	HIV-Associated Neurocognitive Disorders Mental Health Conditions Neurocognitive Functioning Psychological Well-being Substance Use
Health Services	Health Service Access Health Service Utilization – Geriatric Care Health Service Utilization – Health Care Health Service Utilization – HIV-related Care Health Service Utilization – Mental Health Health Service Utilization – Other Hospitalization
Social Participation	Disclosure Labour force Participation Social Interaction Social Isolation Social Support Social Well-being Spirituality Stigma

ART Antiretroviral Therapy)	Treatment Adherence Treatment Response Treatment Alternatives
Sexual Health	Sexual abuse Sexual Functioning Sexual risk behaviours Sexuality STIs <i>Reproductive Health</i> (*new category 2021)
<i>Cross-Cutting</i> (*new domain 2021)	None

Appendix C: Database Headings

Principal investigator; principal investigator institution; co-investigators; funding sources; total funding; start date; term (years); research title; research question(s); health domain; category; keyword 1; keyword 2; keyword 3; population focus; study location; and notes.

Appendix D

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Anderson, Alexandra Joyce	University of Manitoba		CIHR	\$23,333	Sep-19	1+	Achieving health equity for individuals living with HIV in Manitoba: Identifying potential cancer disparities using population-based data	In a cohort of Manitobans living with cancer I will: 1) investigate the association between HIV status and cancer stage at cancer diagnosis, and 2) investigate the association between HIV status and cancer-specific survival.	PHYSICAL HEALTH	COMORBIDITIES - CANCER
Boucher, Lisa M	University of Ottawa	Kendall, Claire; Liddy, Clare E	CIHR	\$105,000	May-18	3	Implementing the Chronic Care Model to improve the care of people living with HIV: The role of self-management	In the first part of my research, I will review and describe the literature on the role of self-management in improving health among people with HIV. Second, I will conduct qualitative interviews with diverse individuals, including people with HIV, community-based organizations, and care providers. Results from the literature review and interviews will inform the implementation and evaluation of a sustainable chronic disease self-management program to determine its impact on physical and mental health outcomes.	PHYSICAL HEALTH	PHYSICAL WELL-BEING
Boucher, Lisa M	University of Ottawa	Kendall, Claire; Liddy, Clare E	CIHR	\$105,000	May-18	3	Implementing the Chronic Care Model to improve the care of people living with HIV: The role of self-management	In the first part of my research, I will review and describe the literature on the role of self-management in improving health among people with HIV. Second, I will conduct qualitative interviews with diverse individuals, including people with HIV, community-based organizations, and care providers. Results from the literature review and interviews will inform the implementation and evaluation of a sustainable chronic disease self-management program to determine its impact on physical and mental health outcomes.	MENTAL HEALTH	PSYCHOLOGICAL WELLBEING
Boucher, Lisa M	University of Ottawa	Kendall, Claire; Liddy, Clare E	CIHR	\$105,000	May-18	3	Implementing the Chronic Care Model to improve the care of people living with HIV: The role of self-management	In the first part of my research, I will review and describe the literature on the role of self-management in improving health among people with HIV. Second, I will conduct qualitative interviews with diverse individuals, including people with HIV, community-based organizations, and care providers. Results from the literature review and interviews will inform the implementation and evaluation of a sustainable chronic disease self-management program to determine its impact on physical and mental health outcomes.	SOCIAL PARTICIPATION	SOCIAL WELLBEING

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Brouillette, Marie-Josée	N/A	N/A	CANFAR	N/A	N/A	N/A	What effects does HIV treatment have on cognitive performance?	Goal Management training (GMT) is a cognitive therapy that has been successfully used to improve cognition in a variety of neurological conditions, as well as in healthy older people with cognitive concerns. However, the effects of this intervention in people living with HIV are unknown. The present study aims to provide evidence about whether GMT is feasible for people with cognitive concerns who are living with HIV, and whether it improves cognitive performance.	MENTAL HEALTH	NEUROCOGNITIVE FUNCTIONING
Brouillette, Marie-Josée ; Dr. Lesley Fellows	McGill University Health Centre	N/A	CIHR CTN	N/A	N/A	N/A	CTN 273: Brain Health Now! Understanding and Optimizing Brain Health in HIV Now	Study investigators aim to understand the biological, psychological, and social factors that affect brain health, the impact of cognitive symptoms on function and quality of life, and their evolution over time. Researchers are also focused on developing tools that can be applied in the clinic setting.	MENTAL HEALTH	NEUROCOGNITIVE FUNCTIONING
Brouillette, Marie-Josée ; Dr. Lesley Fellows	McGill University Health Centre	N/A	CIHR CTN	N/A	N/A	N/A	CTN 273: Brain Health Now! Understanding and Optimizing Brain Health in HIV Now	Study investigators aim to understand the biological, psychological, and social factors that affect brain health, the impact of cognitive symptoms on function and quality of life, and their evolution over time. Researchers are also focused on developing tools that can be applied in the clinic setting.	MENTAL HEALTH	HAND
Brouillette, Marie-Josée ; Dr. Lesley Fellows	McGill University Health Centre	N/A	CIHR CTN	N/A	N/A	N/A	CTN 273: Brain Health Now! Understanding and Optimizing Brain Health in HIV Now	Study investigators aim to understand the biological, psychological, and social factors that affect brain health, the impact of cognitive symptoms on function and quality of life, and their evolution over time. Researchers are also focused on developing tools that can be applied in the clinic setting.	MENTAL HEALTH	PSYCHOLOGICAL WELLBEING

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Burchell, Ann N	Unity Health Toronto	Allen, Vanessa G; Antoniou, Tony; Bayoumi, Ahmed M; Brisson, Marc; Cooper, Curtis L; Coullée, François; Cox, John J; de Pokomandy, Alexandra; Deeks, Shelley L; Fisman, David N; Franco, Eduardo L; Gardner, Sandra L; Gilbert, Mark P; Gough, Kevin A; Grennan, Jonathan (Troy); Hart, Trevor A; Hogg, Robert S; Kendall, Claire; Lambert, Gilles; Lofters, Aisha K; Loufy, Mona R; MacPherson, Paul A; Mishra, Sharmistha; Moore, David M; Murray, James; Ogilvie, Gina S; Raboud, Janet M; Rachlis, Anita R; Rourke, Sean B; Salit, Irving E; Sullivan, Frank; Tan, Darrell H; Walmsley, Sharon L	CIHR Foundation Grant	\$1,083,225	Jul-16	5	Vaccination & screening for control sexually transmitted infections (STIs) and STI-related cancers	First, we will find out why people do or do not get vaccinated or tested for STIs and cancers caused by HPV. Next we will test new ways to offer vaccination & screening to see which are most effective and practical. Finally, we will follow our progress over the long term to ensure that chosen strategies protect the health of Canadians for years to come.	SEXUAL HEALTH	STIs

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Burchell, Ann N	Unity Health Toronto	Allen, Vanessa G; Antoniou, Tony; Bayoumi, Ahmed M; Brisson, Marc; Cooper, Curtis L; Coutlée, François; Cox, John J; de Pokomandy, Alexandra; Deeks, Shelley L; Fisman, David N; Franco, Eduardo L; Gardner, Sandra L; Gilbert, Mark P; Gough, Kevin A; Grennan, Jonathan (Troy); Hart, Trevor A; Hogg, Robert S; Kendall, Claire; Lambert, Gilles; Lofers, Aisha K; Loufy, Mona R; MacPherson, Paul A; Mishra, Sharmistha; Moore, David M; Murray, James; Ogilvie, Gina S; Raboud, Janet M; Rachlis, Anita R; Rourke, Sean B; Salit, Irving E; Sullivan, Frank; Tan, Darrell H; Walmsley, Sharon L	CIHR Foundation Grant	\$1,083,225	Jul-16	5	Vaccination & screening for control sexually transmitted infections (STIs) and STI-related 5 cancers	First, we will find out why people do or do not get vaccinated or tested for STIs and cancers caused by HPV. Next we will test new ways to offer vaccination & screening to see which are most effective and practical. Finally, we will follow our progress over the long term to ensure that chosen strategies protect the health of Canadians for years to come.	HEALTH SERVICES	HEALTH SERVICES UTILIZATION - HEALTH CARE
Burchell, Ann Natalie	Unity Health Toronto	Chambers, Catharine Tamara ; Coutlée, François ; Hart, Trevor Adam ; Moore, David M	CIHR-ICR / Cancer Research Society Partnership - Research Grants	\$59,553	Sep-19	2	Effectiveness of human papillomavirus vaccine among gay, bisexual and other men who have sex with men	We will follow men in Vancouver, Toronto, and Montreal to determine how many have ongoing HPV infection, and whether having had HPV vaccine lowers their risk.	SEXUAL HEALTH	STIS
Burchell, Ann Natalie ; Cox, John Joseph ; Grennan, Jonathan (Troy) ; Hart, Trevor Adam ; Lambert, Gilles ; Moore, David M ; de Pokomandy, Alexandra	Unity Health Toronto	Brisson, Marc; Chambers, Catharine Tamara; Coutlée, François; Deeks, Shelley L; Franco, Eduardo L.F.; Grace, Daniel; Grewal, Ramandip; Jollimore, Jody; Lachowsky, Nathan John; Nisenbaum, Rosane; Ogilvie, Gina S; Sauvageau, Chantal; Tan, Darrell Hoi San	CIHR - Project Grant, Population & Public Health	\$284,962	Apr-20	4	Effectiveness of human papillomavirus vaccine in gay, bisexual and other men who have sex with men	We will follow men in Vancouver, Toronto, and Montreal to determine how many have ongoing HPV infection, and whether having had HPV vaccine lowers their risk. This will allow us to calculate how well the vaccine works in younger and older men.	SEXUAL HEALTH	STIS

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Burchell, Ann Natalie ; Grennan, Jonathan (Trooy) ; Salt, Irving E.	BC Centre for Disease Control	Edward, Joshua ; Gaspar, Mark Anthony ; Gillis, Jennifer ; Grace, Daniel ; Grewal, Ramandip ; Hull, Mark Warwick ; MacPherson, Paul Andrew ; Nath, Ronita ; Oglivie, Gina S ; Rosenes, Ron ; Tan, Darrell Hoi San ; Weiss, Edward	Project Grant - Priority Announcement: HIV/AIDS and STBBI	\$100,000	Mar-20	1	Predicting and Evaluating Anal Cancer in HIV with novel biomarkers: The PEACH Study	The proposed study will recruit participants from an existing set of Canadian studies to examine how well these novel biomarkers perform as predictors of anal pre-cancers.	PHYSICAL HEALTH	COMORBIDITIES - OTHER
Burchell, Ann Natalie ; Grennan, Jonathan (Trooy) ; Salt, Irving E.	BC Centre for Disease Control	Edward, Joshua ; Gaspar, Mark Anthony ; Gillis, Jennifer ; Grace, Daniel ; Grewal, Ramandip ; Hull, Mark Warwick ; MacPherson, Paul Andrew ; Nath, Ronita ; Oglivie, Gina S ; Rosenes, Ron ; Tan, Darrell Hoi San ; Weiss, Edward	Project Grant - Institute of Infection & Immunity	\$918,000	Oct-20	4	Predicting and Evaluating Anal Cancer in HIV with novel biomarkers: The PEACH Study	The proposed study will recruit participants from an existing set of Canadian studies to examine these novel biomarkers as predictors of anal pre-cancers.	PHYSICAL HEALTH	COMORBIDITIES - OTHER
Costiniuk, Cecilia	Research Institute of the McGill University Health Centre	Barreiro, Luis Bruno Barboza F ; Bourbeau, Jean ; Chomont, Nicolas ; Jenabian, Mohammad-Ali ; Schurr, Erwin A.	CJHR - Project Grant Infection & Immunity	\$741,910	Apr-17	5	The lungs as HIV reservoirs: Interplay between disrupted respiratory immunity and Chronic Obstructive Pulmonary Disease (COPD)	We plan to study the interaction between immune cells and HIV reservoir size in the lungs of people living with HIV, both with and without COPD. We also plan to study the genetic characteristics of lung cells in relation to the amount of HIV they contain.	PHYSICAL HEALTH	COMORBIDITIES - LUNG/PULMONARY
Costiniuk, Cecilia T ; Di Marzo, Vincenzo ; Jenabian, Mohammad-Ali	Research Institute of the McGill University Health Centre	Mandarino, Enrico ; Margolese, Shari L ; Abrahamowicz, Michal M ; Brouillette, Marie-Josée ; Chartrand-Lefebvre, Carif ; Dayan, Natalie ; Durand, Madeleine ; El-Far, Mohamed A ; Klein, Marina B ; Sebastiani, Giada ; Tremblay, Cécile L	CJHR Team Grant: P/T Inflammation for Chronic Conditions-HIV/AIDS Research Initiative	\$749,010	Jun-21	3	Role of the Endocannabinoid System (ECS) in HIV-associated chronic inflammation and comorbidities	Using banked blood and stool from 4 national CJHR-funded cohorts of PLWH including the Canadian HIV and Aging Cohort Study, Brain Health Now, The Canadian HIV HepC Co-Infection Cohort and the Liver Disease in HIV cohort, we will characterize the eCB in PLWH with various chronic inflammatory conditions to determine whether there is dysregulation in the eCB.	PHYSICAL HEALTH	COMORBIDITIES - ENDOCRINE/METABOLIC

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Costiniuk, Cecilia T; Di Marzo, Vincenzo; Jenabian, Mohammad-Ali	Research Institute of the McGill University Health Centre	Mandarino, Enrico; Margolese, Shari L.; Abrahamowicz, Michal M; Brouillette, Marie-Josée; Chartrand-Lefebvre, Carl; Dayan, Natalie; Durand, Madeleine; El-Far, Mohamed A; Klein, Marina B; Sebastiani, Giada; Tremblay, Cécile L	CIHR Team Grant: P/T Inflammation for Chronic Conditions-HIV/AIDS Research Initiative	\$749,010	Jun-21	3	Role of the Endocannabinoid System (ECS) in HIV-associated chronic inflammation and comorbidities	Using banked blood and stool from 4 national CIHR-funded cohorts of PLWH including the Canadian HIV and Aging Cohort Study, Brain Health Now, The Canadian HIV HepC Co-infection Cohort and the Liver Disease in HIV cohort, we will characterize the eCB in PLWH with various chronic inflammatory conditions to determine whether there is dysregulation in the eCB.	MENTAL HEALTH	SUBSTANCE USE
Côté, Héléne	University of British Columbia	Kaida, Angela K; Murray, Melanie C; Pick, Neora	CIHR- Project Grant, Infection & Immunity	\$822,375	Apr-19	5	The BCC3 cohort: Cellular aging in women living with HIV	This research will try to elucidate the contribution of each of these factors to the aging of immune cells, and how this may relate to age-associated illnesses and conditions such as cardiovascular disease, liver disease and cancer. We will study women living with HIV or not whom we have already been following for a long time. We will measure markers of aging, and consider other factors such as life habits, psychosocial stressors such as stigma or racism, to understand what drives the acceleration of natural aging.	CROSS-CUTTING	
Côté, Héléne	University of British Columbia	Kraiden, Mei; Murray, Melanie C	Operating Grant: Geroscience Demonstration Grants	\$450,000	Mar-19	3	The impact of chronic/latent viral infections on aging	We propose to study a group of people of all ages (1-80 years old), half of them living with HIV, the other half not. We will test for 8 chronic/persistent viruses and determine how many each person carries, how these relate to the health of their immune cells, and to their risk of disease. Understanding the effect of these viruses on immune cells and ultimately cellular aging will inform on the potential benefits of treating or vaccinating against these viruses in the future.	PHYSICAL HEALTH	COMORBIDITIES - OTHER

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
de Pokomandy, Alexandra	Research Institute of the McGill University Health Centre	Bari, Jean-Guy; Dumez, Vincent; Durand, Madeleine; Klein, Marina B; Laprise, Claudie; Lebouché, Bertrand; Lemire, Benoît; Monteith, Kenneth M; O'Brien, Nadia; Schuster, Tibor; Skerritt, Lashanda S; Thomas, Réjean; Trottier, Helen	CIHR	\$554,625	Apr-21	5	Creating a learning health system to improve cancer prevention in people living with HIV	People living with HIV taking therapy can now live longer, but they are aging and are at high risk of acquiring other diseases such as cancer. HIV health care must now integrate prevention. As a research team of patients, providers, policy makers and researchers, we propose to use existing health databases to verify if we can improve prevention of cancer and maintain good health in this population. The overall goal of this study is to improve cancer prevention for people living with HIV using a learning health system approach.	HEALTH SERVICES	HEALTH SERVICE ACCESS
de Pokomandy, Alexandra	Research Institute of the McGill University Health Centre	Bari, Jean-Guy; Dumez, Vincent; Durand, Madeleine; Klein, Marina B; Laprise, Claudie; Lebouché, Bertrand; Lemire, Benoît; Monteith, Kenneth M; O'Brien, Nadia; Schuster, Tibor; Skerritt, Lashanda S; Thomas, Réjean; Trottier, Helen	CIHR	\$554,625	Apr-21	5	Creating a learning health system to improve cancer prevention in people living with HIV	People living with HIV taking therapy can now live longer, but they are aging and are at high risk of acquiring other diseases such as cancer. HIV health care must now integrate prevention. As a research team of patients, providers, policy makers and researchers, we propose to use existing health databases to verify if we can improve prevention of cancer and maintain good health in this population. The overall goal of this study is to improve cancer prevention for people living with HIV using a learning health system approach.	PHYSICAL HEALTH	COMORBIDITIES - CANCER
Durand, Madeleine	Centre Hospitalier de l'Université de Montréal	N/A	CIHR CTN	N/A	N/A	N/A	CTN 272-2: The Canadian HIV & Aging Cohort Study 2.0 Discovering pathways to successful aging in people living with HIV	The Canadian HIV and Aging Cohort Study (CTN 272) is a long-term investigation of the determinants of aging in people living with HIV. The study, started in 2012, enrolled 850 participants living with HIV and 250 without HIV in 11 sites across Canada. The Canadian Institutes of Health Research granted a second round of funding to the study team, which prolongs funding of the cohort for another five years. In CTN 272-2, recruitment is expanded to increase the representation of women. While pursuing and expanding the original focus on cardiovascular disease, CTN 272-2 broadens its objectives to include determinants of frailty, and the impact of diet and gender on aging with HIV, as well as discovery of new immune pathways that could affect aging.	PHYSICAL HEALTH	COMORBIDITIES - CARDIOVASCULAR

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Durand, Madeleine	Centre Hospitalier de l'Université de Montréal	N/A	CIHR CTN	N/A	N/A	N/A	CTN 272-2: The Canadian HIV & Aging Cohort Study 2.0 Discovering pathways to successful aging in people living with HIV	The Canadian HIV and Aging Cohort Study (CTN 272) is a long-term investigation of the determinants of aging in people living with HIV. The study, started in 2012, enrolled 850 participants living with HIV and 250 without HIV in 11 sites across Canada. The Canadian Institutes of Health Research granted a second round of funding to the study team, which prolongs funding of the cohort for another five years. In CTN 272-2, recruitment is expanded to increase the representation of women. While pursuing and expanding the original focus on cardiovascular disease, CTN 272-2 broadens its objectives to include determinants of frailty, and the impact of diet and gender on aging with HIV, as well as discovery of new immune pathways that could affect aging.	PHYSICAL HEALTH	MORTALITY/SURVIVAL
Durand, Madeleine	Centre Hospitalier de l'Université de Montréal	N/A	CIHR CTN	N/A	N/A	N/A	CTN 272-2: The Canadian HIV & Aging Cohort Study 2.0 Discovering pathways to successful aging in people living with HIV	The Canadian HIV and Aging Cohort Study (CTN 272) is a long-term investigation of the determinants of aging in people living with HIV. The study, started in 2012, enrolled 850 participants living with HIV and 250 without HIV in 11 sites across Canada. The Canadian Institutes of Health Research granted a second round of funding to the study team, which prolongs funding of the cohort for another five years. In CTN 272-2, recruitment is expanded to increase the representation of women. While pursuing and expanding the original focus on cardiovascular disease, CTN 272-2 broadens its objectives to include determinants of frailty, and the impact of diet and gender on aging with HIV, as well as discovery of new immune pathways that could affect aging.	PHYSICAL HEALTH	PHYSICAL WELLBEING

Principal Investigator (PI)	PI institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Durand, Madeleine; Dr. Cécile Tremblay	Centre Hospitalier de l'Université de Montréal	N/A	CIHR CTN	N/A	N/A	N/A	CTN 272: Canadian HIV and Aging cohort: Determinants of Increased Risk of Cardiovascular Diseases in Individuals Living with HIV	This study will investigate accelerated aging in people living with HIV, looking in particular at cardiovascular disease (CVD). Researchers will also develop tools for analyzing chemical signals in the blood that may help further understanding of many aging related health issues like heart disease, diabetes, kidney disease, memory loss, and brittle bones.	PHYSICAL HEALTH	COMORBIDITIES - CARDIOVASCULAR
Durand, Madeleine; Margolèse, Shari L; Bernard, Nicole F; Chartrand-Lefebvre, Carl; Chomont, Nicolas; Jenabian, Mohammad-Ali; Mansour, Samer; Tremblay, Cécile L; Tsoukas, Christos M	Centre hospitalier de l'Université de Montréal (CHUM)	Monteith, Kenneth M; Abrahamowicz, Michal M; Baril, Jean-Guy; Cloutier, Guy; Conway, Brian; Côté, José; Danieli, Coraline; DaSilva, Jean N; El-Far, Mohamed A; Falutz, Julian; Fortin, Claude; Gaudreau, Pierrette; Gill, Michael J; Harris, Marianne; Juneau, Daniel; Lamarche, Benoit; Leipsic, Jonathon; Loufy, Mona R; MacPherson, Paul A; Murray, Melanie C; Pick, Neora; Pilote, Louise; Routy, Jean-Pierre; Soulez, Gilles; Thomas, Réjean; Trottier, Benoit; Walmisley, Sharon L; Wong, Alexander C	CIHR Team Grant - HIV/AIDS Comorbidities Prevention and Healthy Living	\$2,476,710	Apr-18	5	Discovering pathways to successful aging in HIV infection	Specifically, we wish to measure frailty, and develop novel non-invasive methods to evaluate the health of the cardiovascular system using radiology and nuclear medicine procedures. Then, we want to elucidate what are the biological pathways that cause premature cardiovascular disease and frailty in people living with HIV. Ultimately, we hope to discover novel treatment targets to prevent and reverse the adverse effects of aging with HIV infection.	PHYSICAL HEALTH	HIV MARKERS

Principal Investigator (PI)	PI institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Durand, Madeleine; Margolese, Shari L, Bernard, Nicole F; Chartrand-Lefebvre, Carl; Chomont, Nicolas; Jenabian, Mohammad-Ali; Mansour, Samer; Tremblay, Cécile L; Tsoukas, Christos M	Centre hospitalier de l'Université de Montréal (CHUM)	Monteith, Kenneth M; Abrahamowicz, Michal M; Baril, Jean-Guy; Cloutier, Guy; Conway, Brian; Côté, José; Danieli, Coraline; DaSilva, Jean N; El- Far, Mohamed A; Falutz, Julian; Fortin, Claude; Gaudreau, Pierrette; Gill, Michael J; Harris, Marianne; Juneau, Daniel; Lamarche, Benoît; Leipsic, Jonathon; Loufy, Mona R; MacPherson, Paul A; Murray, Melanie C; Pick, Neora; Pilote, Louise; Routy, Jean- Pierre; Soulez, Gilles; Thomas, Réjean; Trottier, Benoît; Trottier, Sylvie; Waimisley, Sharon L; Wong, Alexander C	CIHR Team Grant - HIV/AIDS Comorbidities Prevention and Healthy Living	\$2,476,710	Apr-18	5	Discovering pathways to successful aging in HIV infection	Specifically, we wish to measure frailty, and develop novel non- invasive methods to evaluate the health of the cardiovascular system using radiology and nuclear medicine procedures. Then, we want to elucidate what are the biological pathways that cause premature cardiovascular disease and frailty in people living with HIV. Ultimately, we hope to discover novel treatment targets to prevent and reverse the adverse effects of aging with HIV infection.	PHYSICAL HEALTH	COMORBIDITIES - CARDIOVASCULAR
Durand, Madeleine; Margolese, Shari L, Bernard, Nicole F; Chartrand-Lefebvre, Carl; Chomont, Nicolas; Jenabian, Mohammad-Ali; Mansour, Samer; Tremblay, Cécile L; Tsoukas, Christos M	Centre hospitalier de l'Université de Montréal (CHUM)	Monteith, Kenneth M; Abrahamowicz, Michal M; Baril, Jean-Guy; Cloutier, Guy; Conway, Brian; Côté, José; Danieli, Coraline; DaSilva, Jean N; El- Far, Mohamed A; Falutz, Julian; Fortin, Claude; Gaudreau, Pierrette; Gill, Michael J; Harris, Marianne; Juneau, Daniel; Lamarche, Benoît; Leipsic, Jonathon; Loufy, Mona R; MacPherson, Paul A; Murray, Melanie C; Pick, Neora; Pilote, Louise; Routy, Jean- Pierre; Soulez, Gilles; Thomas, Réjean; Trottier, Benoît; Trottier, Sylvie; Waimisley, Sharon L; Wong, Alexander C	CIHR Team Grant - HIV/AIDS Comorbidities Prevention and Healthy Living	\$2,476,710	Apr-18	5	Discovering pathways to successful aging in HIV infection	Specifically, we wish to measure frailty, and develop novel non- invasive methods to evaluate the health of the cardiovascular system using radiology and nuclear medicine procedures. Then, we want to elucidate what are the biological pathways that cause premature cardiovascular disease and frailty in people living with HIV. Ultimately, we hope to discover novel treatment targets to prevent and reverse the adverse effects of aging with HIV infection.	PHYSICAL HEALTH	COMORBIDITIES - OTHER

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Fellows, Lesley	McGill University Health Centre	Ali, Hesham; Margolese, Shari L; Monteith, Kenneth M; Aubertin, Mylene C; Collins, Donald L; Daskalopoulou, Styliani; De Villiers-Sidani, Etienne; Dendukuri, Nandini; Harris, Marianne; Knauper, Barbel; Koski, Lisa M; Levine, Brian T; Sebastiani, Giada; Smaili, Fiona M; Thomas, Réjean	CIHR CTN	N/A	N/A	N/A	CTNPT-026 Neuroimaging as a biomarker for cognitive training in HAND	This study aims to answer three questions. Which magnetic resonance imaging (MRI) techniques are most effective at showing the difference between HIV+ people with high and low cognitive ability? Are most effective at predicting the response to an 8-week computerized cognitive training program? (MRI scan at the start of the program); are most effective at showing the difference between those with a positive response to this program and those whose cognitive ability does not improve? (MRI scan at the end of the program)	MENTAL HEALTH	HAND
Fellows, Lesley K; Brouillette, Marie-Josée; Mayo, Nancy E	McGill University	Ali, Hesham; Margolese, Shari L; Monteith, Kenneth M; Aubertin, Mylene C; Collins, Donald L; Daskalopoulou, Styliani; De Villiers-Sidani, Etienne; Dendukuri, Nandini; Harris, Marianne; Knauper, Barbel; Koski, Lisa M; Levine, Brian T; Sebastiani, Giada; Smaili, Fiona M; Thomas, Réjean	CIHR - Team Grant: HIV/AIDS Comorbidities Prevention and Healthy Living	\$2,499,839	Apr-18	5	Action for Positive Brain Health Now	Here, we build on this foundation to meet three broad aims: (1) Understand the factors that lead to poor brain health, focusing on viral, cerebrovascular, and social contributors; (2) Empower people living with HIV and the clinicians who care for them with practical tools to assess brain health and personalize treatment; (3) Act to help people living with HIV improve brain health through lifestyle changes.	MENTAL HEALTH	HAND
Fellows, Lesley K; Brouillette, Marie-Josée; Mayo, Nancy E	McGill University	Ali, Hesham; Margolese, Shari L; Monteith, Kenneth M; Aubertin, Mylene C; Collins, Donald L; Daskalopoulou, Styliani; De Villiers-Sidani, Etienne; Dendukuri, Nandini; Harris, Marianne; Knauper, Barbel; Koski, Lisa M; Levine, Brian T; Sebastiani, Giada; Smaili, Fiona M; Thomas, Réjean	CIHR - Team Grant: HIV/AIDS Comorbidities Prevention and Healthy Living	\$2,499,839	Apr-18	5	Action for Positive Brain Health Now	Here, we build on this foundation to meet three broad aims: (1) Understand the factors that lead to poor brain health, focusing on viral, cerebrovascular, and social contributors; (2) Empower people living with HIV and the clinicians who care for them with practical tools to assess brain health and personalize treatment; (3) Act to help people living with HIV improve brain health through lifestyle changes.	MENTAL HEALTH	NEUROCOGNITIVE FUNCTIONING
Marie-Josée; Mayo, Nancy E	McGill University	Margolese, Shari L;	HIV/AIDS Comorbidities	\$2,499,839	Apr-18	5	Action for Positive Brain Health Now	meet three broad aims: (1)	HEALTH SERVICES	HEALTH SERVICE ACCESS

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Gignac, Monique	University of Toronto	Beaton, Dorcas Eleanor ; Breslin, Curtis F ; Franche, Renée- Louise ; Irvin, Emma Louise ; Jetha, Arif ; MacDermid, Joy Christine ; Saunders, Ron ; Shaw, William Stanley ; Smith, Peter Matthew ; Thompson, Aaron ; Tompa, Emile ; Van Eerd, Dwayne	Healthy and Productive Work Partnership Grant	\$537,639	Apr-18		Accommodating and Communicating about Episodic Disabilities (ACED): A partnership to deliver workplace tools and resources to sustain the employment of people with chronic, 5 episodic conditions	Objectives are: 1) consolidate and enhance existing evidence for toolkit development; 2) develop new evidence-informed resources, including a communication decision- making tool, interactive job analysis and accommodation planning tool, and skills training workshops for supervisors and HR/disability managers; 3) pilot test and evaluate the toolkit in diverse workplaces, including conducting cost analyses; 4) expand the evidence base to include greater attention to sex/gender, age/life course, diverse employment contexts and episodic conditions; 5) develop new researcher capacity in disability studies; 6) build new workplace partnerships for testing and dissemination.	SOCIAL PARTICIPATION	LABOURFORCE PARTICIPATION
Giguere, Katia	CTN	N/A	CTN Post-Doctoral Fellow	\$50,000	2021	1	CTN 272: Canadian HIV & Aging Cohort	Cardiovascular diseases (CVD) among people living with HIV: identifying novel screening tools and potential targets for early diagnosis and treatment of CVD	PHYSICAL HEALTH	COMORBIDITIES - CARDIOVASCULAR
Giguère, Katia	Université de Montréal	Durand, Madeleine	CIHR Fellowship - Priority Announcement - HIV/AIDS and/or STBBI	\$135,000	Jun-21	3	Evaluation of the predictive power of vascular elastography for screening of cardiovascular diseases among people living with HIV	To estimate the incremental value of elastography to predict subclinical CVD and establish its value for screening of CVD among PLHIV. REPRIEVE IS THE FIRST TARGET-SCALE	PHYSICAL HEALTH	Comorbidities - Cardiovascular
Grinspoon, Steven K.	Massachusetts General Hospital	Falutz, Julian; Smetjeja, Marek; Walmsley, Sharon; Trotter, Sylvie; Smith, Graham; Conway, Brian; Szabo, Jason	CIHR CTN	N/A	N/A		CTN 293: REPRIEVE trial Randomized Trial to Prevent Vascular Events in HIV	randomized clinical research trial to test a strategy for heart disease prevention among people living with HIV. Specifically, REPRIEVE will test whether a daily dose of a statin (pitavastatin) reduces the risk of heart disease among people living with HIV. REPRIEVE IS THE FIRST TARGET-SCALE	PHYSICAL HEALTH	COMORBIDITIES - CARDIOVASCULAR
Grinspoon, Steven K.	Massachusetts General Hospital	Falutz, Julian; Smetjeja, Marek; Walmsley, Sharon; Trotter, Sylvie; Smith, Graham; Conway, Brian; Szabo, Jason	CIHR CTN	N/A	N/A		CTN 293: REPRIEVE trial Randomized Trial to Prevent Vascular Events in HIV	randomized clinical research trial to test a strategy for heart disease prevention among people living with HIV. Specifically, REPRIEVE will test whether a daily dose of a statin (pitavastatin) reduces the risk of heart disease among people living with HIV.	PHYSICAL HEALTH	MEDICATIONS

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Guaraldi, Giovanni; Dr. Sharon Walmsley	University of Toronto	N/A	CIHR CTN	N/A	4/15/17	N/A	CTN 298: BEING-WBone health in ageing Women: improvement or prevention of changes in bone mineral density by switching antiretroviral agents	Tenofovir (TDF) is a common component in cART regimens but also increases the rate of bone mineral density (BMD) loss and decline in kidney function. This trial, an investigator-initiated study supported by a grant from Gilead Sciences, will study whether switching from TDF to tenofovir alafenamide (TAF) can help prevent or reverse BMD loss in aging women.	PHYSICAL HEALTH	COMORBIDITIES-MUSCULOSKELETAL
Guaraldi, Giovanni; Dr. Sharon Walmsley	University of Toronto	N/A	CIHR CTN	N/A	4/15/17	N/A	CTN 299: BEING-WBone health in ageing Women: improvement or prevention of changes in bone mineral density by switching antiretroviral agents	Tenofovir (TDF) is a common component in cART regimens but also increases the rate of bone mineral density (BMD) loss and decline in kidney function. This trial, an investigator-initiated study supported by a grant from Gilead Sciences, will study whether switching from TDF to tenofovir alafenamide (TAF) can help prevent or reverse BMD loss in aging women.	ART	TREATMENT ALTERNATIVES
Hillier, Sean A.; Ontario Aboriginal HIV/AIDS Strategy; Daly, Tamara; Stratton, Trevor	York University (Toronto, Ontario)	Brooks-Clearor, Lauren A; Gaspar, Mark A	CIHR Indigenous Gender and Wellness Development Grants	\$62,300	Apr-20	1	Indigenous "Communities within Communities": Aging Well and HIV	The main goal of this proposed project is to hold a two-day meeting to bring together Indigenous communities, organisations, PLWH, and researchers for exploratory discussions and iterative research development around the creation of a community-based research programme grounded in Indigenous knowledges, methods, and the land, so as to ascertain (1) a clear definition of what wellness and healthy aging means and (2) its practical application for Indigenous Peoples living with HIV/AIDS, including how these may differ for Indigenous women, men and non-binary/2SLGBTIQ+ people.	CROSS-CUTTING	
Hogg, Robert	University (Burnaby,	Bayoumi, Ahmed M;	CIHR Foundation Grant	\$6,533,866	Jul-15	7	Impact on Vulnerable Populations in Canada	identify persisting health inequities	HEALTH SERVICES	HEALTH SERVICES ACCESS
Hogg, Robert	Simon Fraser University (Burnaby, B.C.)	N/A	CIHR CTN	N/A	N/A	N/A	CTN 242: Canadian observational cohort (CANOC) collaboration	The Canadian Observational Cohort Collaboration (CANOC) is a partnership of Canadian HIV researchers working together to study the effectiveness of antiretroviral therapy for HIV/AIDS treatment. This is the first network in the country to integrate all registered HIV/AIDS data across eight databases in three provinces: British Columbia, Ontario and Quebec. The study population will consist of nearly 50% of positive Canadians on treatment since 2000.	ART	TREATMENT RESPONSE

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Jeong, Dahn	UBC	Janjua, Naveed Zafar	CIHR Doctoral Research Award - Priority Announcement - HIV/AIDS and/or STBBI	\$105,000	May-20	3	Assessing the impact of bloodborne infections and treatment on non-communicable chronic diseases in a population-based cohort	This project aims to study the impact of HBV, HCV and HIV mono- and co-infections on diabetes, chronic kidney disease and cardiovascular diseases, accounting for social and health conditions.	PHYSICAL HEALTH	COMORBIDITIES - ENDOCRINE/METABOLIC
Jeong, Dahn	UBC	Janjua, Naveed Zafar	CIHR Doctoral Research Award - Priority Announcement - HIV/AIDS and/or STBBI	\$105,000	May-20	3	Assessing the impact of bloodborne infections and treatment on non-communicable chronic diseases in a population-based cohort	This project aims to study the impact of HBV, HCV and HIV mono- and co-infections on diabetes, chronic kidney disease and cardiovascular diseases, accounting for social and health conditions.	PHYSICAL HEALTH	COMORBIDITIES - KIDNEY
Jeong, Dahn	UBC	Janjua, Naveed Zafar	CIHR Doctoral Research Award - Priority Announcement - HIV/AIDS and/or STBBI	\$105,000	May-20	3	Assessing the impact of bloodborne infections and treatment on non-communicable chronic diseases in a population-based cohort	This project aims to study the impact of HBV, HCV and HIV mono- and co-infections on diabetes, chronic kidney disease and cardiovascular diseases, accounting for social and health conditions.	PHYSICAL HEALTH	COMORBIDITIES - CARDIOVASCULAR
Kendall, Claire	Bruyere Research Institute		CIHR - New Investigator Award		Jul-15	5	Advancing primary care for people with and at risk for HIV	The goal of this program of research is to use a primary care approach to address priorities in the care of both these populations - that is, people who use drugs who are at risk of HIV, and people already living with HIV.	HEALTH SERVICES	HEALTH SERVICE ACCESS
King, Elizabeth	CTN	N/A	CTN Post-Doctoral Fellow	\$50,000	2020	2		Menopausal Symptoms in Women Living with HIV	PHYSICAL HEALTH	PHYSICAL WELL-BEING
Klein, Marina ; Dr. Sharon Walmsley	McGill University	N/A	CIHR CTN	N/A	N/A	N/A	CTN 327: impact of COVID-19 on persons with HIV in Canada - Data from the HIV/HCV co-infection/COC (CTN 222) and HIV aging cohorts (CTN 314)	CTN 327 will explore the effects of COVID-19 on people living with HIV or both HIV and hepatitis C virus (HCV). The study will look at the experiences of people during the pandemic and their satisfaction with virtual care. It will also test whether participants have had COVID-19 (with or without symptoms) and catalogue the severity of the disease.	HEALTH SERVICES	HEALTH SERVICE UTILIZATION - OTHER
Klein, Marina ; Dr. Sharon Walmsley	McGill University	N/A	CIHR CTN	N/A	N/A	N/A	CTN 327: impact of COVID-19 on persons with HIV in Canada - Data from the HIV/HCV co-infection/COC (CTN 222) and HIV aging cohorts (CTN 314)	CTN 327 will explore the effects of COVID-19 on people living with HIV or both HIV and hepatitis C virus (HCV). The study will look at the experiences of people during the pandemic and their satisfaction with virtual care. It will also test whether participants have had COVID-19 (with or without symptoms) and catalogue the severity of the disease.	PHYSICAL HEALTH	COMORBIDITIES-OTHER
Lebouche, Bertrand and Sebastiani, Giada	McGill University Health Centre		CIHR CTN	N/A	N/A	N/A	CTNPT 035: Vitamin D insufficiency and NAFLD in persons living with HIV	This study aims to determine vitamin D deficiency and its association with osteoporosis in persons living with HIV who do or do not have non-alcoholic fatty liver disease (NAFLD).	PHYSICAL HEALTH	COMORBIDITIES - OTHER

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Lebouche, Bertrand and Sebastiani, Giada	McGill University Health Centre	Bilodeau, M; Keeler, P, Margolese, S; Rosenes, R; Guerlotti, C; Tharao, W; Arnold, K; Masching, R; Taylor, D; Sousa, J; Taylor, J; Kaytes, A; Smith, D; Gianella, S; Chomont, N; Routy, J-P; Cohen, É; Dubé, K; Leboutché, B; Costinuk, C.	CIHR CTN	N/A	N/A	N/A	CTNPT 035: Vitamin D insufficiency and NAFLD in persons living with HIV	This study aims to determine vitamin D deficiency and its association with osteoporosis in persons living with HIV who do or do not have non-alcoholic fatty liver disease (NAFLD).	PHYSICAL HEALTH	COMORBIDITIES - MUSCULOSKELETAL
LESSARD, D	McGill University		N/A	42460			Factors Associated with Willingness to Participate in End-of-Life Care Research: Perspectives from People Living with HIV	How to understand determinants of participation and preferences to ensure acceptability and a positive experience for people living with HIV (PLHIV) and their close or family circle?	SOCIAL PARTICIPATION	SOCIAL SUPPORT
Lima, Viviane D	University of British Columbia	Barrios, Rolando; Hogg, Robert S; Hull, Mark W; Laverigne, Miriam R; Montaner, Julio S; Rozada, Ignacio; Shoveller, Jean A	CIHR - Project Grant	\$569,727	Jul-16	5	The Health and Economic Forecasting Micro-Simulation Model: A tool to evaluate future health policies and programmatic interventions targeting the aging population living with HIV in British Columbia	In this 5-year study, we will develop and use a new methodology to evaluate and forecast the impact of ongoing and emerging policies and programs for the prevention of HIV transmission and control of disease progression targeting PLWH in British Columbia (BC). Importantly, we will also use these methods to predict the incidence and prevalence of comorbidities amongst PLWH in BC.	PHYSICAL HEALTH	COMORBIDITIES-OTHER
Lima, Viviane D	University of British Columbia	Barrios, Rolando; Hogg, Robert S; Hull, Mark W; Laverigne, Miriam R; Montaner, Julio S; Rozada, Ignacio; Shoveller, Jean A	CIHR - Project Grant	\$569,727	Jul-16	5	The Health and Economic Forecasting Micro-Simulation Model: A tool to evaluate future health policies and programmatic interventions targeting the aging population living with HIV in British Columbia	In this 5-year study, we will develop and use a new methodology to evaluate and forecast the impact of ongoing and emerging policies and programs for the prevention of HIV transmission and control of disease progression targeting PLWH in British Columbia (BC). Importantly, we will also use these methods to predict the incidence and prevalence of comorbidities amongst PLWH in BC.	HEALTH SERVICES	HEALTH SERVICES UTILIZATION - HIV RELATED CARE
Murray, Melanie C	University of British Columbia	Brophy, Jason C; Carter, Allison J; Côté, Hélène; Elwood, Chelsea; Kaida, Angela K; King, Elizabeth M; Logie, Carmen; Louffy, Mona R; Nicholson, Valerie; Pick, Neora; Prior, Jerilyn C; Salters, Kate; Singer, Joel	CIHR - Project Grant, Gender & Health	\$382,500	Apr-21	5	Role of Female Sex Hormones on Aging in Women Living with HIV.	Here we aim to determine how abnormal menstrual periods and hormone levels affect and are affected by social factors and gender inequity to have an effect on diseases of aging and the reproductive health of women living with HIV. With this information we can improve care for women and in so doing prevent disease, and promote healthy aging.	CROSS-CUTTING	

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Murray, Melanie C	University of British Columbia	King, Elizabeth M	CIHR	\$50,000	Mar-20	1	Women Living with HIV: Severity and Treatment of Menopausal Symptoms	To further understand the menopausal experience in HIV, we will conduct a series of studies using 2 large cohorts of Canadian WLWH throughout stages of menopause. We will assess menopausal symptoms and follow their progression longitudinally. We will then assess hormonal changes throughout menopause, comparing important sex hormone levels (such as estrogen) during the menopausal transition compared to controls, and relate these hormones to symptom experience. Finally, we will evaluate the largest population of menopause hormone therapy used in WLWH in order to elicit characteristics of and barriers to use, thereby adding to the limited collective experience of hormonal therapy use in HIV.	SEXUAL HEALTH	REPRODUCTIVE HEALTH
Murray, Melanie C	University of British Columbia	King, Elizabeth M	CIHR	\$50,000	Mar-20	1	Women Living with HIV: Severity and Treatment of Menopausal Symptoms	To further understand the menopausal experience in HIV, we will conduct a series of studies using 2 large cohorts of Canadian WLWH throughout stages of menopause. We will assess menopausal symptoms and follow their progression longitudinally. We will then assess hormonal changes throughout menopause, comparing important sex hormone levels (such as estrogen) during the menopausal transition compared to controls, and relate these hormones to symptom experience. Finally, we will evaluate the largest population of menopause hormone therapy used in WLWH in order to elicit characteristics of and barriers to use, thereby adding to the limited collective experience of hormonal therapy use in HIV.	PHYSICAL HEALTH	MEDICATIONS

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Murray, Melanie C; Nicholson, Valerie	University of British Columbia	Chown, Sarah; Magaglia, Patience T; Brophy, Jason C; Carter, Allison J; Côté, Hélène; Elwood, Chelsea; Kaida, Angela K; King, Elizabeth M; Pick, Neora; Prior, Jerylynn C; Sallters, Kate; Singer, Joel	CIHR Operating Grant - HIV/AIDS CBR Program - General	\$449,991	Apr-20	3	Hormones and Healthy Aging in Women Living with HIV: A Study By, With and For Community.	We herein leverage the expertise, experience, and infrastructure of the CIHR-funded BC CARMA-CHIWOS Collaboration (BCC3)- integrating established research cohorts of women living with HIV in British Columbia - CARMA (Children and Women:AntiRetroviral therapy and Markers of Aging Cohort) and CHIWOS (Canadian HIV Women's Sexual and Reproductive Health Cohort) to examine the relationship between the reproductive health of women with that of comorbidities in this population.	SEXUAL HEALTH	REPRODUCTIVE HEALTH
Murray, Melanie C; Nicholson, Valerie	University of British Columbia	Chown, Sarah; Magaglia, Patience T; Brophy, Jason C; Carter, Allison J; Côté, Hélène; Elwood, Chelsea; Kaida, Angela K; King, Elizabeth M; Pick, Neora; Prior, Jerylynn C; Sallters, Kate; Singer, Joel	CIHR Operating Grant - HIV/AIDS CBR Program - General	\$449,991	Apr-20	3	Hormones and Healthy Aging in Women Living with HIV: A Study By, With and For Community.	We herein leverage the expertise, experience, and infrastructure of the CIHR-funded BC CARMA-CHIWOS Collaboration (BCC3)- integrating established research cohorts of women living with HIV in British Columbia - CARMA (Children and Women:AntiRetroviral therapy and Markers of Aging Cohort) and CHIWOS (Canadian HIV Women's Sexual and Reproductive Health Cohort) to examine the relationship between the reproductive health of women with that of comorbidities in this population.	HEALTH SERVICES	COMORBIDITIES - OTHER
Murzin, Kate	Realize UBC	Walmsley, Sharon et al.	OHTN Endgame Award	\$50,000	Apr-19	1	Preferences and Needs for Aging Care among HIV Elders (PANACHE) Ontario	How do older PLWH (age 60+) in Ontario conceptualize their comprehensive healthcare and social support needs and preferences? What personal and environmental determinants of health impact their expectations of access to such care?	HEALTH SERVICES	HEALTH SERVICE ACCESS
Nanditha, Ni Gusti Ayu	UBC	Lima, Viviane Dias	Award	\$32,500	May-21	3	BC's aging populations: A population-based	population level, the impact of	HEALTH SERVICES	MORTALITY/SURVIVAL
Nanditha, Ni Gusti Ayu	UBC	Lima, Viviane Dias	Award	\$32,500	May-21	3	BC's aging populations: A population-based	population level, the impact of	PHYSICAL HEALTH	PHYSICAL WELLBEING
Naqvi, Syeda Farwa	Alberta Health Services/University of Calgary	McMillan, Jacqueline & Gill, John		N/A	N/A	N/A	Tailoring Care for Frail and Lonely Older Persons with HIV	Measurement of factors contributing to frailty	SOCIAL PARTICIPATION	SOCIAL ISOLATION
Naqvi, Syeda Farwa	Alberta Health Services/University of Calgary	McMillan, Jacqueline & Gill, John		N/A	N/A	N/A	Tailoring Care for Frail and Lonely Older Persons with HIV	Measurement of factors contributing to frailty	PHYSICAL HEALTH	PHYSICAL WELLBEING

Principal Investigator (PI)	PI institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Nicolau, Ioana	Unity Health Toronto	Burchell, Ann Natalie Baltzer Turje, Rosalind; Baxter, Larry N; Krizmancic, Katrina; Laliberte, Gina; Welham, Carly; Bayoumi, Ahmed M; Bergin, Colm J; Chan Carusone, Soo; ERLANDSON, KRISTINE M; Hanna, Steven E; Harding, Richard; Guigley, Adria; Solomon, Patricia E; Stewart, Ann	CIHR - Doctoral Research Award	\$105,000	May-18	3	Effect of cumulative exposure to antiretroviral therapy on cancer risk in people living with HIV	1) Determine the incidence and prevalence of site-specific cancers in adults living with HIV in Ontario between 1995 to 2016; 2) Determine whether specific ART regimens show protective cancer effects; and 3) Quantify the extent to which cumulative exposure to ART lowers the risk of infection-related cancers via controlled viremia and improved immune function.	PHYSICAL HEALTH	COMORBIDITIES - CANCER
O'Brien, Kelly K; Ahluwalia, Pujja; Ibanez-Carrasco, Francisco	University of Toronto	Baltzer Turje, Rosalind; Baxter, Larry N; Krizmancic, Katrina; Laliberte, Gina; Welham, Carly; Bayoumi, Ahmed M; Bergin, Colm J; Chan Carusone, Soo; ERLANDSON, KRISTINE M; Hanna, Steven E; Harding, Richard; Guigley, Adria; Solomon, Patricia E; Stewart, Ann	CIHR - Operating Grant	\$450,000	Apr-20	3	Connecting Health Assessments with Interventions for Healthy Aging with HIV (CHAIN Study): Advancing the Utility of a Short-Form HIV Disability Questionnaire (SF-HDQ) for use in Community-Based Settings	Our goal is to establish a sustainable Community of Practice (CoP) - "HIV in Motion" to advance physical activity interventions with patient-reported outcomes (PROs) for people living with HIV (PLWH).	HEALTH SERVICES	HEALTH SERVICES ACCESS
O'Brien, Kelly K; Ahluwalia, Pujja; Ibanez-Carrasco, Francisco	University of Toronto	Baltzer Turje, Rosalind; Baxter, Larry N; Krizmancic, Katrina; Laliberte, Gina; Welham, Carly; Bayoumi, Ahmed M; Bergin, Colm J; Chan Carusone, Soo; ERLANDSON, KRISTINE M; Hanna, Steven E; Harding, Richard; Guigley, Adria; Solomon, Patricia E; Stewart, Ann	CIHR - Operating Grant	\$450,000	Apr-20	3	Connecting Health Assessments with Interventions for Healthy Aging with HIV (CHAIN Study): Advancing the Utility of a Short-Form HIV Disability Questionnaire (SF-HDQ) for use in Community-Based Settings	Our goal is to establish a sustainable Community of Practice (CoP) - "HIV in Motion" to advance physical activity interventions with patient-reported outcomes (PROs) for people living with HIV (PLWH).	PHYSICAL HEALTH	PHYSICAL WELLBEING
O'Brien, Kelly K; Ahluwalia, Pujja; Ibanez-Carrasco, Francisco	University of Toronto	Baltzer Turje, Rosalind; Baxter, Larry N; Krizmancic, Katrina; Laliberte, Gina; Welham, Carly; Bayoumi, Ahmed M; Bergin, Colm J; Chan Carusone, Soo; ERLANDSON, KRISTINE M; Hanna, Steven E; Harding, Richard; Guigley, Adria; Solomon, Patricia E; Stewart, Ann	CIHR - Operating Grant	\$450,000	Apr-20	3	Connecting Health Assessments with Interventions for Healthy Aging with HIV (CHAIN Study): Advancing the Utility of a Short-Form HIV Disability Questionnaire (SF-HDQ) for use in Community-Based Settings	Our goal is to establish a sustainable Community of Practice (CoP) - "HIV in Motion" to advance physical activity interventions with patient-reported outcomes (PROs) for people living with HIV (PLWH).	SOCIAL PARTICIPATION	SOCIAL WELLBEING

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Parashar, Surita; Satters, Kate	University (Burnaby, British Columbia)	Barrios, Rolando;	HIV/AIDS CBR Program - Operating Grant	\$449,688	Apr-18	3	Investigation of the home and community care	the comprehensive community-based	HEALTH SERVICES	HEALTH CARE UTILIZATION- OTHER
Pooyak, Sherri D.; Masching, Renee; Nixon, Stephanie A.	CAAN	Amirault, Miami D; Lambert, Sandy; Monchalin, Renee J; Loppie, Charlotte J; Prentice, Tracey	CIHR - Operating Grant, Indigenous Stream	\$429,837	Apr-18	3	The "Weaving Our Wisdoms" Study: Using a Land-Based Approach to Optimize Whole-istic Health among Indigenous People Living with HIV	The WoW study seeks to understand how living well as an Indigenous Person living with HIV (IPHA) is optimized by engaging with teachings and activities rooted in Indigenous ways of knowing and doing from and on the land.	SOCIAL PARTICIPATION	SPIRITUALITY
Power, Christopher; Fujiwara, Esither	University of Alberta	McMillan, Jacqueline M; Cohen, Eric A; Gill, Michael J; Hobman, Tom C; Rubin, Leah; Seidah, Nabil G	CIHR Team Grant	\$2,500,000	Apr-18	5	Canadian HIV-Ageing Multidisciplinary Programmatic Strategy (CHAMPS) in NeuroHIV	Our team of researchers from different areas of science and health will map basic pathways in the biology of NeuroHIV. Discovering these pathways can help us to analyze symptoms and risk factors for NeuroHIV. Understanding the pathways will also lead to new ways to diagnose and treat NeuroHIV. Part of our work will be to build broader community knowledge of NeuroHIV and its related problems.	MENTAL HEALTH	HAND
PUTERMAN, E	Columbia, Faculty of	H. Murray, M; Kaida, A;	Health Research Project	\$100,000	Oct-20	1	Examining the Feasibility of a Peer Research	aerobic dance program led by	PHYSICAL HEALTH	PHYSICAL WELLBEING
PUTERMAN, E	University of British Columbia, Faculty of Education	Beauchamp, M; Côté, H; Murray, M; Kaida, A; Bennett, E; Tognazzini, S.	Canadian Institutes of Health Research Project Grant (Bridge Grant)	\$100,000	Oct-20	1	The Positively Dance Pilot Program: Examining the Feasibility of a Peer Research Associate-Led Dance Program for Women Living With HIV	What are the effects of a 24-week aerobic dance program led by instructors who themselves are women living with HIV on markers of immune cellular aging as a primary health target, and traditional health markers such as resting heart rate, blood pressure, waist circumference, and hemoglobin A1C? What are changes in mental health and social inclusion that result from the dance program? What are the long-term program effects?	MENTAL HEALTH	PSYCHOLOGICAL WELLBEING
PUTERMAN, E	University of British Columbia, Faculty of Education	Beauchamp, M; Côté, H; Murray, M; Kaida, A; Bennett, E; Tognazzini, S.	Canadian Institutes of Health Research Project Grant (Bridge Grant)	\$100,000	Oct-20	1	The Positively Dance Pilot Program: Examining the Feasibility of a Peer Research Associate-Led Dance Program for Women Living With HIV	What are the effects of a 24-week aerobic dance program led by instructors who themselves are women living with HIV on markers of immune cellular aging as a primary health target, and traditional health markers such as resting heart rate, blood pressure, waist circumference, and hemoglobin A1C? What are changes in mental health and social inclusion that result from the dance program? What are the long-term program effects?	SOCIAL PARTICIPATION	SOCIAL WELLBEING
Quigley, Adria	CTN	N/A	CTN Post-Doctoral Fellow	\$50,000	2020	2	CTN 273: Brain Health Now! Understanding and Optimizing Brain Health in HIV Now	Action for Positive Brain Health Now: Ready, Set, Go	MENTAL HEALTH	NEUROCOGNITIVE FUNCTIONING

Principal Investigator (PI)	PI institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Rich, Ashleigh Joy	UBC	Hogg, Robert Stephen ; Koehoorn, Mieke W.	CIHR Doctoral Award - Frederick Banting and Charles Best Canada Graduate Scholarships	\$115,000	May-17	3+	Epidemiology of multimorbidity among HIV-positive transgender women in North America	Multimorbidity, defined as the co-occurrence of two or more chronic medical conditions in an individual, is an emerging framework for understanding the burden of non-HIV related chronic illness among PLWH. My dissertation research represents one of the first opportunities to investigate the epidemiology of multimorbidity among the key population of transgender PLWH in BC, and across the United States and Canada.	PHYSICAL HEALTH	COMORBIDITIES - OTHER
Ross, Sydney B	McGill University	Gordon, Bacon, Jean;	CIHR - Masters Award	\$17,500	May-20	1	Adverse drug events related to polypharmacy in older adults: evaluating deprescribing opportunities in HIV patients through the MedSafer study	Due to the success of antiretroviral therapy, the lifespan of people living with HIV is increasing, posing new challenges for physicians as they are more likely to have multiple complicated illnesses and polypharmacy at a younger age. In this case, polypharmacy is defined as the concurrent use of 5 or more non-antiretroviral medications. We aim to quantify the need of a deprescribing intervention in this complex aging population. Patient data will be inputted into the novel Canadian deprescribing software, MedSafer, which will flag PIMs and allow us to describe the prevalence and most common PIMs seen. This research is the initial step to inform the need for a deprescribing intervention in the outpatient HIV clinic, and to prevent future ADEs and life-threatening complications.	PHYSICAL HEALTH	MEDICATIONS
Rueda, Sergio	CAMH	Marina B; Monteith,	HIV/AIDS (REACH 2.0)	\$24,766	Jan-15	1	Older People Living with HIV: A Qualitative	of successful aging that will include a impact of fatty liver on advanced liver	CROSS-CUTTING	COMORBIDITIES-OTHER
Sebastiani, Giada	the McGill University		CIHR - Project Grant	\$685,440	Apr-20	5	Advanced chronic liver disease among people		PHYSICAL HEALTH	
Swann, Shayda Alexis Elizabeth	UBC	Murray, Melanie Caroline M.	CIHR - Vanier Doctoral Scholarship	\$50,000	May-21	3	Investigating the role of reproductive hormones in healthy aging for women living with HIV: A community-collaborative cohort study	I will investigate how hormonal abnormalities and social stressors affect health and aging in women living with HIV.	SEXUAL HEALTH	REPRODUCTIVE HEALTH
Swann, Shayda Alexis Elizabeth	UBC	Murray, Melanie Caroline M.	CIHR - Vanier Doctoral Scholarship	\$50,000	May-21	3	Investigating the role of reproductive hormones in healthy aging for women living with HIV: A community-collaborative cohort study	I will investigate how hormonal abnormalities and social stressors affect health and aging in women living with HIV.	PHYSICAL HEALTH	PHYSICAL WELLBEING

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Walmsley, Sharon	UHN	Raboud, Janet	OHTN HIV Endgame Chair Award	N/A	2017	5	Aging with HIV in Ontario	Examines the characteristics of people aging with HIV (>50 years of age) with regards to gender, race, risk factors, comorbidities, education, income, housing, social support, substance use, cognition and response to ART. This study will also compare these factors in those who started ART before the age of 50 and those who started ART at the age of 50 years or older	CROSS-CUTTING	
Walmsley, Sharon	University of Toronto	N/A	CIHR CTN	N/A	N/A	N/A	CTN 314: CHANGE HIV Correlates of Healthy Aging in Geriatric HIV Study	The CHANGE HIV Study is a five-year longitudinal cohort study that aims to improve our knowledge of the complexities of HIV and aging, with a focus on understanding the physical, mental, cognitive, and social aspects of health and how they interact to affect wellbeing.	CROSS-CUTTING	
Walmsley, Sharon L; Murzin, Kate	University Health Network (Toronto)	Rosenes, Ron	CIHR Planning & Dissemination Grant	\$20,000	May-19	1	Planning grant to further develop a community based national HIV and aging survey	This planning grant meeting will build upon our initial stakeholder meeting in which we developed our vision for the ultimate needs survey, reviewed the tools being studied in other countries, participated in concept mapping to determine the important domains to be included and developed working groups and their terms of reference to further advance this work. At this second planning meeting we will evaluate data obtained from qualitative interviews and our four working groups : 1. research tool development group ; 2. sampling and engagement group ; 3. recruitment working group 4. processes working group will further their tasks for study development.	HEALTH SERVICES	HEALTH SERVICE ACCESS
Kate; Rosenes, Ron; Rachlis, Wynndham-West, Catherine M	Network (Toronto)	McCullagh, John;	CIHR	\$39,982	Mar-18	1	Care among HIV Elders in Canada	together diverse stakeholders, We will analyze the way the factors interact to identify the ones that contribute most to healthy aging well if these differ by sex or gender. From the data, we will calculate a healthy aging score that can inform care and research by assessing a person's overall health status and track changes with time or therapy. The knowledge gained will inform interventions and strategies to improve healthy aging and help us know which ones are the most important, feasible and acceptable to those aging with HIV.	HEALTH SERVICES	HEALTH SERVICE ACCESS
Walmsley, Sharon L; Rosenes, Ron; Taylor, Darien; Arbes, Gordon; Bowdish, Dawn M; Falutz, Julian; Guaraldi, Giovanni; Guillemi, Silvia A; Klein, Marina B; Louffy, Mona R; O'Brien, Kelly K; Rachlis, Beth S; Rochon, Paula A; Tan, Darrell H; Wynndham-West, Catherine M	University Health Network (Toronto)	Behrens, Dean; Betts, Adrian R; Cioppa, Lynne, McCullagh, John; Newman, Maureen A; Ardany, Nisha; Eaton, Andrew; Harris, Marianne; Kaul, Rupert; Kaushic, Charu; Murzin, Kate; Sebastiani, Glada; Tseng, Alice; Verschoor, Chris P	CIHR Comorbidities Team Grant	\$2,487,249	Apr-18	5	Correlates of Healthy Aging in Geriatric HIV: CHANGE HIV STUDY		HEALTH SERVICES	

Principal Investigator (PI)	PI Institution	Co-Investigators	Funding Source	Total Funding	Start Date	Term (yrs)	Research Title	Research Question(s)	Health Domain	Category
Worthington, Catherine A; Chan Carusone, Soo; Ibanez- Carrasco, Francisco; Rourke, Sean B	University of Victoria (British Columbia)	Baltzer Turje, Rosalind; Monteith, Kenneth M; Muchenje, Marvelous; Pooyak, Sherri D; Watson, James R; Cysique, Lucette A; Eaton, Andrew; Gill, Michael J; Liboro, Renato M; O'Brien, Kelly K; Oliver, Brent W; Terpstra, Alexander R; Vera, Jaime; Yamamoto, Aiko	CIHR - Operating Grant	\$465,623	Apr-19	3	HEADS UPI 2: A qualitative CBR study to describe service experiences of HIV positive people living with neurocognitive difficulties and disorders and the providers of those services	Ultimately, our aim is to collaboratively develop tools to support PHAs to seek care for cognitive concerns, assist them with (brain) health promoting strategies, improve awareness among health care professionals about HIV neurocognitive issues and HAND, and improve neurocognitive services for PHAs	MENTAL HEALTH	HAND
Worthington, Catherine A; Chan Carusone, Soo; Ibanez- Carrasco, Francisco; Rourke, Sean B	University of Victoria (British Columbia)	Baltzer Turje, Rosalind; Monteith, Kenneth M; Muchenje, Marvelous; Pooyak, Sherri D; Watson, James R; Cysique, Lucette A; Eaton, Andrew; Gill, Michael J; Liboro, Renato M; O'Brien, Kelly K; Oliver, Brent W; Terpstra, Alexander R; Vera, Jaime; Yamamoto, Aiko	CIHR - Operating Grant	\$465,623	Apr-19	3	HEADS UPI 2: A qualitative CBR study to describe service experiences of HIV positive people living with neurocognitive difficulties and disorders and the providers of those services	Ultimately, our aim is to collaboratively develop tools to support PHAs to seek care for cognitive concerns, assist them with (brain) health promoting strategies, improve awareness among health care professionals about HIV neurocognitive issues and HAND, and improve neurocognitive services for PHAs	HEALTH SERVICES	HEALTH SERVICES UTILIZATION - MENTAL HEALTH
Wolicky, Gemma Ellis	Institute for Work & Health	Gignac, Monique	CIHR - Doctoral Research Award	\$70,000	Sep-20	3	Should I tell my employer I have a disability? Understanding communication, decision making, support and accommodation processes in the workplace among adults living with chronic disabling conditions	The overall aim of this research is to enable individuals with a disability to remain working by seeking a better understanding of workplace communication decisions (to discuss a disability or not) and support.	SOCIAL PARTICIPATION	LABOURFORCE PARTICIPATION
Yang, Yi	University of British Columbia		CIHR Masters Award	\$17,500	Sep-20	1	How much is too much? The impact of chronic/latent viral infections on aging.	My research will contribute to better understanding how specific viruses and their cumulative burden may impact aging and thus benefit crucial advancements in HIV treatment, and will help us understand more about the aging field in general.	PHYSICAL HEALTH	Opportunistic Infections
Zhabokritsky, Alice	UHN/CTN	N/A	CTN Post-Doctoral Fellow	\$50,000	2021	1	CTN 314: CHANGE HIV: Correlates of Healthy Aging in Geriatric HIV Study	Evaluation of healthy aging among people living with HIV in Canada through multidimensional domains of health	CROSS-CUTTING	
Ziada, Adam S	University of British Columbia		CIHR	\$17,500	May-19	1+	Effects of Interruptions in HIV Therapy on Cellular Aging	My study will inform health care providers and people living with HIV about the potential effects associated with therapy interruptions.	ART	TREATMENT ADHERENCE