



2024 - 2025





ANNUAL REPORT ON RESEARCH METRICS Fiscal Year 2024 - 2025

Message from the President

As we reflect on this past year, I am filled with immense pride and gratitude for the remarkable progress Providence Research has made in advancing health research and in the planning and execution of several new initiatives that will have an immense impact over time, ultimately improving patient outcomes. Our commitment to scientific discovery, innovation, and collaboration in the face of increasingly competitive grant funding opportunities from within Canada and internationally, is a testament to our collective will to transform lives.

In a rapidly evolving and challenging healthcare landscape, our researchers have worked tirelessly to push the boundaries of knowledge, addressing some of the most pressing health challenges of our time. From pioneering new treatments to deepening our understanding of complex diseases, our efforts continue to drive meaningful change. Notably, our research includes advancements in treating sickle cell disease, COPD prevention, innovative ophthalmology surgeries that restore sight, lifesaving heart transplants, discoveries about pulmonary long COVID, a first-in-Canada registry to help identify patients with elevated Lp(a) and prevent heart attacks, among many other scientific discoveries.

In this year's fiscal report, we celebrate our key accomplishments and the far-reaching impact of our 2024/2025 research initiatives, reaffirming our commitment to increasing visibility and driving real-world change. As we look ahead, our focus remains on advancing research excellence, empowering our scientific community, and ensuring our discoveries lead to meaningful health outcomes globally. With the new St. Paul's Hospital nearing completion, excavation beginning at the CSRC site, and the near completion of the Phase 1, non-oncology, Clinical Trails Unit (CTU) at Mount St. Joseph Hospital, 2024/2025 stands out as a transformative year in the history of Providence Research.

We extend our sincere gratitude to all our partners, collaborators, researchers, and supporters who have contributed to our collective successes. Together, we will continue to push the frontiers of science and medical progress, while building a future vision that embraces change, emboldens health innovation, and drives scientific advancements.

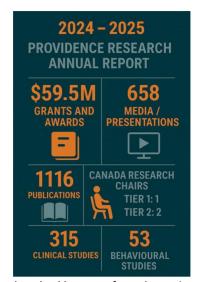
Sincerely,

Dr. Darryl Knight,

Vice President of Research and Academic Affairs, Providence Health Care
President, Providence Research (Providence Health Care Research Institute)
Associate Dean, Research, Faculty of Medicine, University of British Columbia



EXECUTIVE SUMMARY



During this reporting period we undertook a five-year internal review that was extremely comprehensive, and overwhelmingly positive. Wide-ranging in scope, it noted a few challenges related to the enormity and significance of moving to the CSRC, and developing the Phase 1, non-oncology, Clinical Trials Unit at Mount St. Joseph Hospital. As the report indicated there is much work to be done, but overall, we are in good shape to lead the next five years.

Over this last year of importance to the leadership, was organizing opportunities to meet with and inform our researchers and staff of the transitions ahead. Scheduling working group meetings, and Town Halls to discuss and field questions on the design of the wet labs, dry labs and clinical research, areas were a priority. The development team dedicated over two

hundred hours to formal meetings, in addition to numerous ad hoc discussions, involving more than forty-five researchers, to develop and review the floor and room-level designs for all five research floors of the building. These meetings, discussions, and presentations provided valuable feedback from those preparing to transition to the new research campus. They also sparked exciting collaborations that guided our implementation decisions and helped build awareness of our future workplace as we plan the road ahead. Currently, crews are clearing the land and shoring up the site to get ready for excavation later this summer.

This past fall, Providence Health Care received a \$4.19M investment from the BC Ministry of Health and a further \$600k from Michael Smith Health Research BC for the new Phase 1, Non-Oncology, Clinical Trials Unit (CTU). The funding will be used to plan, construct, and hire staff, this first of a kind project launched in B.C. Currently, construction is almost complete with a start date set for early summer '25. Once ready, we will host the grand opening with the Hon. Diana Gibson, Minister of Jobs, Economic Development and Innovation, and the Minister of Health, the Hon. Josie Osborne. This formal opening will serve as the launch of BC's first Phase 1, Non-Oncology CTU. It is a wonderful achievement for the province, not just for the patients and families that will gain access to better, faster care through rigorously tested interventions, but for B.C. and Canada at large. It is a catalyst for economic development, a catalyst for health care improvement and a catalyst for health innovation in general.

Another success we delivered on, was our **4th Annual Skunkworks – Hacking Chronic Disease** event in November. The event, more popular than ever, was a sellout, once again. We see the need as a health research organization for broad-based sector engagement to discuss the most challenging health issues of our time. Going forward PHC Ventures will be hosting this very successful program.

Our application for \$48M from the Strategic Innovation Fund (SIF) at Innovation, Science and Economic Development ISED, (now referred to as Innovation, Science, and Industry Canada) has been reactivated. The application, to complete the fit out of several components of the CSRC, was submitted in December 2024 and deemed complete in February, which triggered a due diligence review from Industry Canada. This was paused with the federal election, but due diligence is now being completed. This will



enable a term sheet and ultimately a contribution agreement from the federal government. We don't have a time frame for this process, but we are in regular contact with staff at Industry Canada, formerly ISED, who have been extremely helpful.

On the staffing side, in 2024 we have commenced a reorganization of the research support office. **Dr. Scott Tebbutt**, took over the role of Research Director from Dr. Mari DeMarco. **Julie Hadden** was promoted to Director, Clinical Research Administration. **Laura Turcotte** was appointed to the role of Director, Administration, **Joyce Valenzuela**, Grants and Contracts Coordinator, **Komal Mangat**, Research Coordinator, with one new employee **Irene Wan**, brought on as Research Ethics Facilitator, to help researchers with REB submissions. Now that the office reorganization is almost complete, we will be working with the research centres and CARG's to centralize administrative support functions. These critical changes will provide fairness and transparency, strengthen and broaden research support, streamline administrative processes and improve resource allocation across the Providence Research community, ensuring that research centres and programs can focus more on delivering impactful research. These changes are vital for our continued growth, success, and legacy.

Finally, work has also commenced on clarifying and formalizing the relationship between PR, PHC and UBC. This work is being led by the PHC Office of Strategy and Results and PR with the aim of renewing the Providence Research Trust Deed with updated language, updating the affiliation agreements between PHC and UBC and streamlining the employment of PR staff.

To keep everyone informed and up to-date-on all our activities, a new website has been on our radar for some time and this year, we finally completed that assignment. It took several months, and new features include a clinical trial directory, along with an updated researcher directory. We also publish our first magazine – The Research Review, which features our numerous researcher stories published in 2024 and 2025.

PROVIDENCE RESEARCH HIGHLIGHTS

- Road to Recovery (R2R) expanded Province-wide to all provincial health authorities.
- **Drs. Amanda Slaunwhite and Bohdan Nosyk,** Centre for Advancing Health Outcomes, published the first-ever study evaluating prescribing pharmaceutical alternatives at a population level, which showed a reduction of deaths.
- BCCSU's research scientist **Dr. Danya Fast**, published her book on youth who use drugs in Vancouver *The Best Place Addiction, Intervention, and Living and Dying Young in Vancouver.*
- Providence Research hosted several CSRC workshops to engage staff and researchers to field questions and collaborate on the significant transition to the new CSRC.
- 2024 Carraresi Award Winners: Dr. Terri Sun, Department of Anesthesiology and Dr. Mark Elliott, Nephrology
- 2024 Research and Mission Award Winner: Dr. Nadia Khan, Centre for Advancing Health Outcomes.
- Construction got underway for the Phase 1, Non-Oncology, Clinical Trials Unit, at Mount St. Joseph Hospital.



RECOGNITION

KING CHARLES III CORONATION MEDAL

- Dr. Julio Montaner
- Dr. Jim Christenson
- Dr. Pat Lam
- Dr. Chris Carlsten
- Dr. Adeera Levin
- Dr. John Gill

CANADA RESEARCH CHAIRS

- Centre for Advancing Health Outcomes, Dr. Rick Sawatzky, appointed as a Tier 1 Canada Research Chair in Equitable People-Centred Health Measurement (EPHM).
- Centre for Advancing Health Outcomes, Dr. Skye Barbic, appointed as a Tier 2 Canada Research Chair in Integrated
 Youth Services
- Centre for Heart Lung Innovation's, Dr. Liam Brunham, renewed as a Tier 2 Canada Research Chair in Precision
 Cardiovascular Disease Prevention.

PROFESSIONAL RECOGNITION

BC CENTRE OF EXCELLENCE IN HIV/AIDS

- Dr. Julio Montaner, received the Charles Gauthier Lifetime Achievement Award.
- Dr. Viviane Dias Lima, received the Martin M. Hoffman Award for Excellence in Research University of British
 Columbia Department of Medicine.

BC CENTRE ON SUBSTANCE USE

- Dr. Nadia Fairbairn and Dr. Lindsey Richardson, received Government of Canada's New Frontiers in Research Fund

 (NFRF) Award for the project: Evaluating the Longitudinal Evidence for using health incentiVes to Address and Treat Opioid

 Use Disorder Effectively (The ELEVATE Study).
- Dr. Daniel Vigo, named B.C.'s Chief Scientific Advisor for Psychiatry, Toxic Drugs & Concurrent Disorders.
- Dr. Lindsey Richardson, received the National Angus Reid Applied Sociology Award for achievements in public sociology from the Canadian Sociological Association.

BC RESURECT

Dr. Jim Christenson, BC RESURECT Co-Director, appointed to National Cardiac Arrest Committee of the Heart and Stroke
 Foundation of Canada.

CENTRE FOR ADVANCING HEALTH OUTCOMES

- Dr. Aslam Anis, appointed Director, UBC School of Population and Public Health, effective to June 30, 2029.
- <u>Dr. Adeera Levin</u>, received the <u>Jean Hamburger Award</u>, from the International Society of Nephrology.



CENTRE FOR CARDIOVASCULAR INNOVATION

- Dr. John Cairns, appointed to Member Order of Canada (C.M.).
- Dr. John Webb, won the Margolese National Heart Disorders Prize.
- Dr. Stephanie Sellers, received UBC Faculty of Medicine 2024 Distinguished Achievement Award for Excellence in Basic Science Research.

CENTRE FOR HEART LUNG INNOVATION

- <u>Dr. Liam Brunham</u>, renewed as Canada Research Chair in Precision Cardiovascular Disease Prevention (Tier 2).
- <u>Dr. James Hogg,</u> received the Solbert Permutt Trailblazer Award, from the American Thoracic Society.
- Dr. Tillie Hackett, won the Michelle Harkness Mentorship Award from AllerGen NCE.
- Dr. Brian Grunau, received the 2024 Faculty of Medicine Distinguished Achievement Award for Overall Excellence Early Career.

DEPARTMENT OF ANESTHESIOLOGY

- Dr. John Bowering, awarded the Canadian Anesthesiologists' Society (CAS) Clinical Practitioner Honour Award. Given in recognition of excellence in clinical anesthesia practice.
- Dr. Anton Chau, awarded the Canadian Anesthesiologists' Society (CAS) John Bradley Young Educator Award. Given in recognition of excellence in the teaching of clinical anesthesia.

BC RESURECT AND ST. PAUL'S EMERGENCY MEDICINE

- Dr. Brian Grunau, received the 2024 Faculty of Medicine Distinguished Achievement Award for Overall Excellence Early Career.
- Dr. Jim Christenson, received the Grant Innes Research Award: Canadian Association of Emergency Physicians Best
 Abstract.

RESPIRATORY MEDICINE

- Dr. G. Goobie, won the American Thoracic Society 2024 Conference Environmental, Occupational and Population Health (EOPH) Assembly Abstract Award.
- Alyson Wong, Gillian Goobie, Clarus Leung, all received the Academic Salary Awards from Health Research B.C
 NEPHROLOGY
- Dr. Mark Elliott, awarded the 2024 Carraresi Foundation Early Career Clinician Investigator Award

PROVIDENCE RESEARCH FISCAL 2024 - 2025 RESEARCH HIGHLIGHTS

BC CENTRE ON SUBSTANCE USE

- BCCSU's Drug Checking team has published "New Instruments in Drug Checking," a resource that consolidates technical information on 11 innovations in drug checking technologies.
- BCCSU's clinical education team launched Season 4 of the Addiction Practice Pod: *Elevating Indigenous Perspectives on Substance Use Care Through Strengths-based Approaches.*
- Dr. M-J Milloy, appointed Interim Director of Research, BCCSU.



• 6th Annual BC Substance Use Conference took place May 31- June 1. More than 1,100 people from across BC and Canada attended the 6th annual conference, centering on the theme "From Idea to Implementation."

CENTRE FOR ADVANCING HEALTH OUTCOMES

- Centre for Advancing Health Outcomes and the BC Cancer Research Institute (BCCRI) signed memorandum of understanding (MOU) for the two organizations to work collaboratively to support clinician—scientists across BC in their clinical trials research.
- Dr. Jason Sutherland, appointed Head of Health Services and Policy Division, UBC's School of Population and Public Health.
- Dr. Alana Flexman, appointed, Editor-in-Chief, Journal of Neurosurgical Anesthesiology.

CENTRE FOR CARDIOVASCULAR INNOVATION

- Echocardiogram Prompt developed an algorithm that automatically adds a prompt to echocardiogram reports when severe structural heart disease is detected. These prompts encourage providers to refer patients to heart specialists. The system is now live in numerous hospitals across British Columbia, enhancing access to specialized cardiac care—particularly for underserved populations.
- Early Recovery TAVR 15+ hospitals from across Canada have sent their structural heart teams to Vancouver to observe our streamlined care pathway for structural heart disease. This nationwide quality improvement initiative is designed to increase system capacity and ensure patients receive timely, efficient treatment.
- COMPLETE TAVR Trial COMPLETE TAVR trial, a large international randomized study, has been featured at leading cardiology conferences, including New York Valve and TCT in Washington, D.C. The trial is expanding into Europe, with collaborative planning underway with globally recognized experts in the UK, France, and Germany.
- Clinical trials at St. Paul's Hospital St. Paul's Hospital remains a national leader in advancing transcatheter technologies. The recent addition of Dr. Scott Lim has further strengthened our research capacity in cardiac valve procedures and innovation. Dr. John Webb and Dr. Rob Boone continue to lead the field in Canada, bringing early feasibility studies and emerging technologies to Vancouver. Their work expands treatment options for patients with complex cardiac valve disease and reinforces our role at the forefront of cardiovascular research.

BC CENTRE FOR EXCELLENCE IN HIV/AIDS

- **Drs. Kate Salters, Rolando Barrios and Julio Montaner,** received a CIHR Research Grant Innovation in health services in response to a rapidly changing illicit drug toxicity crisis in BC: Investigating the role of supervised inhalation sites and novel harm reduction interventions.
- Drs. Zabrina Brumme & Viviane Lima's, "Persistent Low-Level HIV Viremia During Antiretroviral Therapy: Origins and Clinical Consequences" study, received a Canadian Institutes of Health Research Project Grant.



CENTRE FOR HEART LUNG INNOVATION

- \$140M for UBC-led research hub to accelerate drug development and biomanufacturing **Dr. Jim Russell,** member of the **AVENGER** project, will co-lead development of a lipid nanoparticle RNA vaccine for antimicrobial-resistant pathogens.
- Drs. Rachel Eddy and Yuan Yao, appointed as new principal investigators at HLI.
- <u>UBC Medicine researchers awarded more than \$25 million in CIHR project grants</u>: **Drs. Gordon Francis, Tillie Hackett, Chris Ryerson and Kelly McNagny,** received funding from CIHR's Project Grant: Spring 2024 competition. Their projects will address challenges in atherosclerosis, fibrotic interstitial lung diseases, and immune response.
- **Dr. Honglin Luo's**, lab discovered a pioneering breast cancer treatment strategy adaptable for diverse cancer types, offering a potent and versatile approach to reshaping cancer immunotherapy. <u>Exosome-Powered Oncolytic Viruses</u>

 Change the Game in Breast Cancer Treatment.
- Clinical Trials: A Roadmap to the Future of Innovation: An article by the St. Paul's Foundation featuring **Dr. Bradley Quon**, and his clinical trial evaluating Trikafta at St. Paul's Hospital.

CLINICAL ACADEMIC RESEARCH GROUPS

BC RESURECT AND ST. PAUL'S EMERGENCY MEDICINE

- BC Resuscitation Research Collaborative (BC RESURECT) continues to strengthen and expand through the national research cluster, Canadians Saving Arrest Victims Everywhere (CanSAVE).
- Collaborations with major partners, including BC Emergency Health Services (BCEHS), Heart & Stroke Foundation of Canada, and the Canadian Resuscitation Outcomes Consortium (CanROC), have allowed BC Resurect to solidify and strengthen a national Sudden Cardiac Arrest Registry.
- Previous data reported across Canada, 38,000 people suffer sudden cardiac arrests (SCA) each year. Our work supporting and helping to lead a national registry in partnership with Heart and Stroke Foundation of Canada, provided new data showing the annual incidence of cardiac arrest is closer to 60,000. Over 8,000 of these cases occur in BC, with only 5-7% returning home from hospital alive. Our research group seeks to improve SCA outcomes in BC and Canada through transformative trials, observational analyses, and new knowledge implementation.
- BC RESURECT Co-Director, Dr. Jim Christenson, appointed to the National Cardiac Arrest Committee of the Heart and Stroke Foundation of Canada and invited to join the Canadian Institute of Health Research College of Grant Reviewers.

SPH EMERGENCY MEDICINE

• The emergency medicine team continues to produce work on the target areas of cardiovascular emergencies, mental health emergencies, and substance use emergencies, and researchers collaborate with national partners in grants and projects. Upcoming projects include (1) evaluation of a new opioid overdose unit, (2) testing whether patients benefit from mobile blood pressure monitoring, and (3) development of risk stratification tools for patients with potentially ischemic chest pain.



KWIIS HEN NIIP

- The **Kwis Hen Niip Project** is a five-year program working with remote First Nations communities to improve emergency care with a particular focus on four Nuu-chah-nulth Nations: Ahousaht, Hesquiaht, Kyuquot-Checleseht, and Tla-o-qui-aht, in partnership with UBC Emergency Medicine.
- Dr. Jim Christenson, received the Society for Implementation Research Collaboration Outstanding Poster Award:

 "Kwiis Hen Niip (Change): Improving Emergency care in remote Indigenous Communities.
- **Dr. Jim Christenson**, is the Nominated Principal Applicant, but the project includes many co-PIs and co-applicants from the partner first nations, SFU, UBC Anthropology and First Nations Health Authority.
 - With community consultation, four themes guide the actions:
 - support for community First Responders
 - community readiness
 - communications infrastructure
 - and efficient transportation

DEPARTMENT OF ANESTHESIOLOGY - RESEARCH, ST. PAUL'S HOSPITAL

- **Dr. Janny Ke,** recently completed recruitment of 110 post-partum patients for the **C-Care 2 Study**: Understanding quality of life trajectory and improving continuity of care for patients undergoing Cesarian delivery through a digital health platform: a longitudinal feasibility study. Recruitment was done through a combination of in-person, online and social media methods. This study will continue to follow participants for one year post c-section delivery at hospitals across BC.
- Dr. Alana Flexman, Department of Anesthesia Research Director at PHC, published an article with Ontario colleagues
 that raised the attention of the public. The study found that in hospitals with an anesthesia—surgery team sex
 diversity including at least 35% female physicians was associated with a 3% lower odds of 90-day major morbidity.
 Read the full CBC article here and the full article in the British Journal of Surgery here.
- Dr. Alana Flexman, awarded CIHR Project Grant as a Co-PI Non-hOme Transition rlsk Following surgerY (NOTIFY) study to develop evidence-based guidance and provide information for older people trying to decide to have surgery or not.
- **Dr. Michael Jew,** awarded \$84,528 from the Ministry of Health Innovation Pathway, for his project, Mobile Interventional Pain Team: Portable Cryoneurolysis.
- Dr. John Bowering, awarded the Canadian Anesthesiologists' Society (CAS) Clinical Practitioner Honour Award.

 Given in recognition of excellence in clinical anesthesia practice.

DEPARTMENT OF PSYCHIATRY

- **Dr. Angela Russolillo,** Psychiatry Research Program, secured a \$250,000 investment from a donor who shares the program's vision of advancing patient care and driving innovative mental health services and interventions.
- **Dr. Nicholas Ainsworth,** won the **Early Career Clinician-Scientist Research Award,** which provides up to \$35,000 in funding for research projects that address important clinical or scientific questions related to transitions in care.



RESPIRATORY MEDICINE

- The Division continues to provide exceptional patient care to a variety of challenging diseases, with a focus on complex asthma, cystic fibrosis, interventional pulmonology, pulmonary fibrosis, and systemic sclerosis. Many of these conditions are supported by multidisciplinary teams that extend to collaborations with other divisions and departments, with PHC serving as a model for development of similar clinical infrastructure at other institutions across Canada.
- The Division is among the most academically productive Respiratory Medicine groups in Canada with a national and international reputation. In 2023, the nine academic members of the Division produced 125 peer-reviewed publications and secured millions of dollars in operating grants and salary awards. The first two thirds of 2024 show similar productivity, with 80 publications to date in 2024. This includes frequent publications in the top respiratory journals and support from CIHR, Genome BC, Health Research BC / Michael Smith Foundation, and others.
- Multiple Division members are also involved in or leading clinical practice guidelines that guide patient care globally. The
 early-career success of two faculty members (B Quon and J Leung) has been recognized with their recent transitioned to
 more secure long-term academic salary support.
- In 2024, the nine academic members of the Division produced 127 peer-reviewed publications and secured millions of dollars in operating grants and salary awards.

FEATURED STORIES COVERED BY PROVIDENCE RESEARCH COMMUNICATIONS

2024 RESEARCHER PROFILES

- Dr. Anita Ho
- Dr. Geoff Bardwell
- Dr. Nadia Khan
- Dr. Graeme Koelwyn
- Dr. Adeera Levin
- · Drs. John Cairns and Julio Montaner
- Dr. Scott Tebbutt

2024 RESEARCH STORIES

- Innovative technology developed and distributed by PHC-lead team empowers rural physicians
- Research on new seniors' village to happen in real time
- PHIR+E and Centre for Digital Media bring a solution from Skunkworks: Hacking Aging to life
- PHIR+E: Advancing Innovation with Providence Research
- Cultivating innovation and entrepreneurship at Providence Research
- Evaluation of new Peer Mentorship Program will help support heart transplant patients beyond the clinic
- Interdisciplinary teams hack chronic disease at fourth annual Skunkworks



For the fiscal year 2024/25 annual report, we are presenting research financials with a new level of clarity. Breaking down Tricouncil funding by Institution and grant funding by region and agency. We have separated grants from International sources and expanded Personnel awards. We have also added a revenue report (REB review fee etc.). However, this has meant direct comparison with previous years was impossible except for total annual funding, total Tri-Council Funding, and total Industry (clinical trials).

Providence Researchers outperformed last year in Tri-Council funding, Industry/Clinical trials and service revenue. In contrast, funding from the Non-Profit sector (Foundations, etc.) was lower.

As in previous reports for the AGM, the numbers presented below **are not final**. We will have final reports from academic institutions by the first week of July.



PROVIDENCE RESEARCH FUNDING

SUMMARY - 2024/2025

	2024 - 2025	2023 - 2024	2022 - 2023
Government (Tri-Council) (CIHR, NSERC, SSHRC)			
UBC	\$12,002,246		
SFU	\$8,776,550		
Tri-council Total:	\$20,778,796	\$15,912,244.00	\$17,925,339
Infrastructure and Support (RSF)	\$2,229,758		
Federal Government (Other Agencies)			
Health Canada	\$1,552,561		
Public Health Agency Canada	\$1,075,187		
CFI	\$226,486		
Subtotal:	\$2,854,233		
Provincial Government (Other Agencies)			
Ministry of Health	\$50,000		
PHSA	\$343,750		
Cardiac Services BC	\$123,750		
City of Abbotsford	\$11,010		
Island Health	\$30,000		
Vancouver Coastal Health Authority	\$1,000		
Western Economic Diversification Canada	\$2,725		
France-Canada Research Fund (FCRF)	\$15,000		
Subtotal:	\$577,235		
Total Government Funding:	\$3,431,469		
International (NIH, EU, Wellcome Trust)	\$3,750,107		
Personnel Awards (CRC + MSHRBC)	\$3,004,760		
Industry (Clinical trials)	\$10,997,356	\$7,995,614	\$7,669,169



Non-Profit*	\$14,487,884		
Comics Devenue (DED review contract review investment			
Service Revenue (REB review, contract review, investment revenue)	\$818,895		
Total Annual Funding	\$59,499,024	\$59,283,187	\$57,778,413
Canada Research Chairs	CRC Tier 1: - 1 CRC Tier 2: - 2	CRC Tier 1: - 1 CRC Tier 2: - 1	CRC Tier 2: - 5
Advancing Health Policy and Practice Clinical and Behavioural Studies	368*	385*	371*
	212 reviewed PHC REB as board of record + additional 103 clinical studies initiated by partner sites for total 315 clinical and 53 Behavioural.	*2023/24 includes total number of studies reviewed/processed by PHC and studies where PHC REB was board of record (216) or a site on an ethics application initiated by a partner site (169)	*2022/23 includes 112 that were not primary site