

2024-2025 ANNUAL REPORT

BC INJURY research and
prevention unit

Reducing the societal and economic burden of injury in British Columbia



ACKNOWLEDGEMENTS

We gratefully acknowledge the province-wide partnership between the BC Ministry of Health, Provincial Health Services Authority (PHSA), Evidence to Innovation Research Theme at the BC Children's Hospital Research Institute, and the Department of Pediatrics, The University of British Columbia (UBC) for their integral participation and contribution to the BC Injury Research and Prevention Unit (BCIRPU). Their ongoing involvement and support allows BCIRPU to continue to be a leader in the development of evidence-based prevention initiatives that build capacity in health authorities and that contributes to the improved health, well-being, and safety of British Columbians.

The BCIRPU offices are located on the traditional and unceded land of the Coast Salish peoples, including the **Skwxwú7mesh** (Squamish), **Səlíl̓wətaʔ/Selilwitulh** (Tsleil-Waututh), and **xʷməθkʷəy̓əm** (Musqueam) Nations.



THE UNIVERSITY OF BRITISH COLUMBIA

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MESSAGE FROM THE DIRECTOR

Dr. Shelina Babul

As I reflect on my first year as Director of the BC Injury Research and Prevention Unit (BCIRPU), I have gained a deeper appreciation for the breadth and impact our work. From advancing injury prevention research to informing policy and leading public education, BCIRPU plays a critical role in improving the health and well-being of communities across British Columbia (BC).

I am pleased to share highlights from the 2024/2025 year, which reflect our commitment to provincial priorities and collaboration with partners across the province. Our team continues to support the Government of BC and regional health authorities in addressing the three key provincial priorities for injury prevention: seniors' fall prevention, transport-related injuries, and youth suicide and self-harm.

One major achievement this year was the development of **Strength and Balance for Life (STABL)**, a suite of publicly available resources developed to reduce falls and promote well-being among older adults. These resources will soon be translated into multiple languages to better reflect BC's diverse population and improve accessibility.

We also continued to provide administrative support for the **BC Vision Zero in Road Safety Grant Program**, facilitating the distribution of more than \$1.6 million in funding to support 53 community-led projects—22 of which were Indigenous-led or Indigenous centered projects. These initiatives reflect a growing commitment to safer and more equitable mobility across the province.

Our ongoing support of the **BC Injury Prevention Committee** and **Youth Suicide and Self-Harm Means Restriction Working Group** remain a priority in identifying and advancing regional and provincial

injury prevention priorities in public health through shared leadership and evidence-informed approaches.

In 2024/2025, we made significant progress in updating the evidence for **Active and Safe Central**, an online resource for promoting safe participation in sports and recreational activities. Updated evidence reviews and website content will be launched in 2025/2026.

Concussion prevention, recognition, and care continues to be an area of both personal and professional commitment for me. This year, we launched an updated eLearning platform for the **Concussion Awareness Training Tool (CATT)**, which now receives more than 10,000 visits per month from users worldwide. We also contributed to the publication of the new **BC Clinical Practice Guideline** on concussion and mild traumatic brain injury, and led coordinated provincial efforts during **BC Concussion Awareness Week** in September 2024.

Our ongoing collaboration with the **First Nations Health Authority (FNHA)** and **Trauma Services BC** focused on the analysis of trends and patterns of injury-related deaths and hospitalizations among First Nations peoples. This work continues to inform culturally safe and informed approaches to injury prevention.

We are very grateful for the ongoing support of our funders, including the **Provincial Health Services Authority/BC Centre for Disease Control** and the **BC Ministry of Health**. I would also like to extend my thanks to **Dr. Quynh Doan** and the **BC Children's Hospital Research Institute** as well as **Dr. Stephen Miller** and the **Department of Pediatrics**, for their continued partnership and support of all of our research efforts.

We also extend our sincere appreciation to our colleagues across public health, government, NGOs, the regional health authorities, and the broader injury prevention community. Their collaboration, expertise, and shared commitment to advancing population and public health have been invaluable to our work.

Finally, I would like to express my sincere gratitude to the dedicated staff members at BCIRPU. Throughout the past year, we have received thoughtful and consistent feedback from collaborators, partners, and colleagues recognizing the team's professionalism, expertise, and unwavering commitment to our work in injury prevention. Our accomplishments this year are a testament to their hard work and dedication, and I am very proud to lead such an outstanding group that is dedicated and committed to injury prevention across the province.



Dr. Shelina Babul, Director



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MESSAGE FROM THE BC CENTRE FOR DISEASE CONTROL (BCCDC)

Dr. Jat Sandhu

Congratulations to the BC Injury Research and Prevention Unit (BCIRPU) for a year filled with success in injury prevention research, surveillance, leadership, collaboration, and innovation in BC.

BCIRPU's research and surveillance work has greatly contributed to our understanding of how, why, and when serious injuries happen, how we can prevent them from happening in the first place, and the devastating impact that they have on our lives. Specifically, we would like to thank the BCIRPU for their continuing collaboration with BCCDC and First Nations Health Authority (FNHA) to improve data collection, extraction, and analysis efforts. The data team have been valuable contributors in preparing the PHSA Platform for Analytics & Data for injury surveillance requests from Health Authority partners.

We are grateful for the BCIRPU's mentorship and support for staff in the regional health authorities, FNHA, BC Centre for Disease Control (BCCDC), and the BC Government in advancing injury prevention, policy, and practice. In collaboration with Megan Oakey, Manager for Injury Prevention at BCCDC, we look to the BCIRPU for guidance as we continue the key priorities for injury prevention—Road Safety, Older Adult Falls, and Youth Suicide and Self Harm. We draw on their expertise in supporting the important work led by the BCCDC Injury Prevention and Safety Promotion Leads embedded in the regional health authorities. The BCIRPU's administration of the BC Vision Zero in Road Safety Grant Program provides much-needed support for communities to improve roads and protect vulnerable road users. Finally, BCIRPU team members have been instrumental in the development of the BC Government's new Strength and Balance for Life resources to help older adults prevent falls.

This annual report represents outstanding achievements by the BCIRPU throughout the 2024-2025 year. I commend the success they have had; BCCDC is proud to partner with the BCIRPU in our collective mission to reduce the societal and economic burden of injury in BC. We look forward to continued collaboration on injury prevention efforts in the years ahead as we aim to reduce the incidence of serious injuries, disabilities, and death in BC.

Sincerely,

Dr. Jat Sandhu
Chief Strategy Officer
BC Centre for Disease Control
Provincial Health Services Authority



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BCIRPU AT A GLANCE

Our Vision

To be a leader in the production and transfer of injury prevention knowledge and the integration of evidence-based injury prevention practices in the daily lives of those at risk, those who care for them, and those with a mandate for public health and safety in British Columbia.

Our Mission

To reduce the societal and economic burden of injury among all age groups in British Columbia through research, surveillance, education and knowledge transfer, public information and the support of evidence-based, effective prevention measures.

Background

BCIRPU is located at BC Children's Hospital and is a core research program within the Evidence to Innovation theme at the BC Children's Hospital Research Institute. To reduce the social and economic burden of injury in BC, the Unit was established as a strategic entity, supporting the development of policies and programs through research, surveillance, and the translation of evidence and knowledge to researchers, policy makers, practitioners, and the public. BCIRPU leaders are members of the faculty at the University of British Columbia, and train and mentor future health care professionals, researchers, policy makers, and injury prevention practitioners.

Our Role

To serve as a provincial hub to provide research-based leadership and coordination to stakeholders in order to reduce the societal and economic burden of injury among all age groups in British Columbia.

Key objectives include:

- Reducing the social and economic burden of injury in BC
- Leading research and knowledge development
- Improving surveillance
- Guiding evidence-based prevention
- Supporting professionals and practitioners
- Providing awareness, education, and public information

Strategic Pillars

- Surveillance
- Research
- Knowledge Synthesis and Translation
- Public Information

Funding & Support

BCIRPU operates as a province-wide partnership between the BC Centre for Disease Control at Provincial Health Services Authority (PHSA), Evidence to Innovation Research theme at BC Children's Hospital Research Institute, and the Department of Pediatrics, The University of British Columbia. BCIRPU is supported by core funding from PHSA, competes for peer-reviewed research grants and contracts, and also receives non-competitive contracts.

STRATEGIC AREAS OF FOCUS

Surveillance

Understanding trends and patterns is an important first step in reducing the burden of injury. Injury surveillance is the ongoing collection, analysis, interpretation, and timely dissemination of injury data. Government, health authorities, and other stakeholders require data to inform their decisions to develop and implement effective injury prevention initiatives. The BCIRPU maintains a comprehensive, up-to-date, and standardized surveillance system through its Injury Data Online Tool (iDOT) to support these efforts.

Research

High-quality research is crucial for the development of evidence-based injury prevention policy and programming. With expertise in injury prevention, epidemiology, health promotion and education, psychology, kinesiology, preventive medicine, and public health, BCIRPU provides applied injury research and knowledge development leadership and support to government, health authorities, PHSA Population & Public Health, researchers, and other stakeholders. Our collaborations with provincial, national, and international researchers and stakeholders support injury prevention research across age groups, mechanisms of injury, socioeconomic status, and among Indigenous communities.

Knowledge Synthesis & Translation

BCIRPU monitors the best injury research and prevention practices in BC, Canada, and around the world. The Unit completes in-depth analyses of current interventions in order to identify those with proven success. This knowledge is compiled and communicated to government, health authorities, PHSA, and other stakeholders. Examples include research evidence reviews, evaluations, syntheses of injury indicators—both general and specific to the provincial injury prevention priorities—and health authority-specific reports.



The BCIRPU team

Public Information

Improving knowledge and changing attitudes and behaviours can lead to the reduction of disability and death from preventable injuries. BCIRPU currently utilizes traditional digital tools and media to convey injury prevention information to the general public. This is achieved through the Unit's strategic alliance with the Community Against Preventable Injuries in the delivery of a province-wide injury prevention social marketing program, as well as core programs including the Concussion Awareness Training Tool, Prevent Shaken Baby Syndrome BC, Finding Balance BC, and Outsideplay.ca.



TOP STORIES OF 2024-2025

Here's what we were talking about this past year.

New Director

Dr. Shelina Babul became the new Director of the BCIRPU in 2024/2025. A long-time member of the BCIRPU and former Associate Director, Dr. Babul has a wealth of experience, a passion for injury prevention, and a track record of leadership and international accomplishment in the area of concussion prevention, recognition, and management.

Dr. Babul will continue her research portfolio while playing a key role in advancing work on the three provincial priorities for injury prevention. She remains the Director of the Canadian Hospitals Injury Reporting and Prevention Program (CHIRPP) at BC Children's Hospital, and of the Brain Waves program in BC.

Vision Zero Grants

The BC Vision Zero in Road Safety Grant Program funded 53 new projects in April 2024, including projects in 22 First Nations communities. Successful application included building or upgrading crosswalks, implementing traffic calming measures, and active transportation programs such as walking school buses. Many of the funded initiatives focused on building or upgrading existing crosswalks and/or implementing traffic calming measures on roads to reduce vehicle speeds. The Grant Program also supported numerous non-infrastructure projects such as bike workshops, walking, school buses and other active transportation programs.

Learn more about the Grant Program on [page 12](#).

New BC clinical practice guideline for concussion

Dr. Shelina Babul provided expert advice in the development of the new provincial clinical practice guideline for concussion and mild traumatic brain injury (mTBI). This new resource, which launched in November

2024, is available to aid primary care physicians, nurse practitioners, and medical students in the assessment, diagnosis, and management of concussion/mTBI. It is a practical tool to provide high-quality, timely, and appropriate care for people of all ages who may have sustained a concussion/mTBI. The guideline contains key recommendations for assessment and diagnosis, management, follow-up, and special considerations. Access the guideline at [BCGuidelines.ca](https://www.bccguidelines.ca).

Improving road safety for children in Japan

Dr. Ian Pike, BCIRPU investigator, travelled to Japan in Spring 2025 to deliver a social marketing campaign that aims to make car rides safer for Japanese children. This marks the third time that Dr. Pike has visited Japan, this time under an Invitational Fellowship from the Japan Society for the Promotion of Science (JSPS). He travelled to Japan previously in 2019 and 2023 with the support of JSPS Research Fellowships.

The research team, which includes researchers at the National Research Institute of Police Science (NRIPS) and members of the Japanese Automobile Federation (JAF), will launch a social marketing public education campaign to educate parents and caregivers about safe child passenger safety seat use, in particular booster seats. Mito, the capital city of Ibaraki Prefecture, has been chosen as the pilot city for the project, which will launch in Spring 2025.

Dr. Babul receives national medical education award

Dr. Babul received a 2025 Certificate of Merit Award from the Canadian Association for Medical Education (CAME) in January. This award celebrates faculty members across Canada who have made significant contributions to Canadian medical education. CAME is a national association that promotes, advances, and recognizes excellence across the continuum of medical education in Canada.



MEDIA HIGHLIGHTS

Here's what we were talking about this past year.

In 2024/2025, BCIRPU provided the public with injury prevention information through news media outlets.

Ask an expert about brain injury

Dr. Shelina Babul was featured in a BC Children's Hospital Research Institute (BCCHR) article about [concussions and traumatic brain injury](#) for Brain Injury Awareness Month in June 2024.

Guardian caps for concussion prevention

New technologies are always emerging to attempt to prevent concussions from occurring. Dr. Shelina Babul was interviewed for an [article on a new technology being tested in football](#), called guardian caps, for *The Ubyyssey*, the campus newspaper of the University of British Columbia.

Northern Health promotes PURPLE Crying Program

In January 2025, Northern Health Authority began a child abuse prevention campaign, which consisted of [promotion of the Period of PURPLE Crying Program](#) administered to all newborn babies in British Columbia. Part of this promotion includes starting a CLICK for Babies campaign, where the public is encouraged to "click" their knitting needles together and send handmade purple toques to maternity units for newborn babies.

Button battery safety

As part of a public education campaign on button batteries, Dr. Shelina Babul and Mr. Neil Arason, Injury Prevention Lead for Island

Health Authority, spoke to news media about the dangers of button batteries and what to do if a child swallows or ingests one.

Dr. Babul spoke to Lower Mainland media, including *Global News Morning* and the *Burnaby Now*. Mr. Arason spoke with media outlets on Vancouver Island, including *CHEK News* and *CFOX Radio*.

Review on fire risk factors

A BCIRPU rapid review on risk factors for fire-related injury and fire prevention strategies was featured in the January 2025 Canadian Firefighter magazine. The review looked at risk factors in relation to vulnerable populations and identified a gap in the literature—specifically, in relation to evidence specific to Indigenous communities. This report was funded by Defence Research and Development Canada (DRDC) in partnership with Statistics Canada and BCIRPU, in order to strengthen Community Fire Risk Safety in Canada.

Access the report in [English and French on the BCIRPU website](#).





SUPPORT SERVICES

Supporting injury prevention professionals

A Provincial Hub

BCIRPU serves as a hub, providing leadership and coordination for injury prevention initiatives throughout BC. The Unit is directly aligned to support the needs of the BC Ministry of Health Service Plan, the British Columbia's Population and Public Health Framework: Strengthening Public Health for Public Health, the Provincial Injury Prevention priorities, as well as the needs of the Regional Health Authorities, First Nations Health Authority, BCCDC, and other interest holders. BCIRPU provides ongoing support to the health authorities, BC Injury Prevention Committee (BCIPC), and members of the BC Injury Prevention Alliance (BCIPA). This support enables cost-effective, evidence-based, and targeted injury prevention policies, strategies, and interventions.



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Provincial Injury Prevention Priorities

In 2024/2025, the BC Injury Prevention Committee (BCIPC), BCCDC, and the BCCDC/regional health authority Injury Prevention and Safety Promotion Leads continued their work on the three provincial priorities for injury prevention:

- Community-dwelling seniors falls and fall-related injury prevention
- Transport-related injury prevention
- Youth suicide and self-harm prevention

These priorities were established in 2017 by the BCIPC, led by Ms. Megan Oakey, Manager for Injury Prevention at the BCCDC, and member of BCIRPU.

Work on seniors' falls and transport-related injury continued, and a provincial action plan for youth suicide and self-harm was developed following a year-long prioritization process confirming areas of focus. The first few years of the plan will focus on means restriction, such as restriction to medications. Other important causes of injury addressed during this year included drownings, ATV injuries, sexualized violence, alcohol-related injuries, and button battery ingestion.

Button Battery Injury Prevention

Button batteries present a high risk of injury when swallowed or inserted into an ear or nose. In 2024/2025, a BCIPC working group led a province-wide awareness campaign aimed at increasing knowledge of button battery safety.



SUPPORT SERVICES

A survey aimed at understanding public knowledge of button battery safety and prevention was created and distributed to all British Columbians, with a focus on parents and caregivers, and early childhood educators of children under 6-years-old. The survey link was distributed widely across all health authorities through a variety of methods, including social media, newsletters, digital billboards, public libraries, health authority mailouts, and news media.

A public awareness campaign was shared in March during National Poison Prevention Week, which consisted of a social media campaign and promotion of a two-page factsheet on button batteries. A media campaign received attention from Lower Mainland and Vancouver Island media outlets, including *CHEK News*, *CFOX Radio*, *Global News Morning*, and the *Burnaby Now*.

Preliminary results of the survey suggest that British Columbians are generally aware of the risk of button battery insertion or ingestion, but are varied in their knowledge of the correct actions to take should an incident occur.

BCIRPU sits on a national button battery safety working group led by Parachute, along with pediatricians, injury prevention professionals, Health Canada, and the BC Drug and Poison Information Centre. This working group is currently looking to move button battery products to Table 2 of the General Prohibitions section of the Canada Consumer Product Safety Act (CCPSA), which means that they enter into a comment period for danger to human health or safety assessments. This step was delayed due to the 2025 federal election, but is now expected to occur in the fall of 2025.

Next steps include an analysis of survey data, seeking opportunities to share this work through academic journals and conferences, and continuing to promote button battery safety to the public.



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Seniors' Fall Prevention

The BCIRPU continues to support the BC Falls Community of Practice (BCFCP), whose mandate is to foster collaboration, reduce duplication of effort, and work towards the standardization of provincial resources. A BCFCP sub-committee, under the leadership of the Ministry's Healthy Living and Health Promotion Branch and the Seniors Services Division, completed work on a suite of [evidence-based open-access falls prevention resources](#):

- Staying Independent Checklist (screening tool)
- Strength and Balance for Life (STABL) exercises with videos and instructions, for sitting, standing, and moving
- Home Safety Checklist

Designed for publicly funded home support workers, caregivers, and older adults, these [resources are available](#) in several different languages: Simplified Chinese, Farsi, French, Korean, Punjabi, Spanish, and Vietnamese.

The BC Falls and Fall-related Injury Prevention Course for Community and Home Health was reviewed by the Falls Community of Practice. Feedback will be incorporated into the final versions for staff on the LearningHub for Health Authority staff.



SUPPORT SERVICES

Based upon this course, work was completed on fall prevention educational videos for older adults, friends, family and caregivers to reduce the risk of falls and fall-related injuries. Videos are available on the HealthLink BC and Finding Balance BC websites:

- Normal age-related changes and ageism
- Strategies to prevent frailty, falls, and fall-related injuries
- How you can help: friends and family

A highly subscribed webinar was held to promote the UBC Continuing Medical Education (CME) course, developed for BC physicians as part of the implementation strategy for the BC Fall Prevention, Risk Assessment and Management Guideline for Older Adults: [Falls: Predictable and Preventable](#).

Other BCIRPU fall prevention work in 2024/2025 included feedback on *Age Forward: British Columbia's 50+ Health Strategy and 3-Year Action Plan* released by the BC Government in September 2024.



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Road Safety

Vision Zero—zero serious injuries, disabilities, and deaths on our roads—is the guiding principle for road safety in BC. The Vision Zero in Road Safety Grant Program is administered through the BCIRPU, and is funded by the Ministry of Health and Ministry of Transportation and Transit with additional funding from the regional health authority. The BCCDC/regional Injury Prevention and Safety Promotion Leads support communities through the grant application process, manage the regional-level adjudication process, monitor ongoing projects, and support project evaluation efforts.

In April 2024, 53 new road safety projects were launched, reaching 56 different communities—including 22 First Nations communities. Many of the funded initiatives focused on building or upgrading existing crosswalks and/or implementing traffic calming measures on roads to reduce vehicle speeds. Vision Zero also supported numerous non-infrastructure projects such as bike workshops, walking, school buses and other active transportation programs. The total value of these funded projects is over \$1.6M—\$866,657 from Vision Zero and another \$684,207 from matching contributions and/or externally secured funding.

The fourth iteration of Vision Zero launched in September 2024. A webinar engaged prospective applicants and a road safety engineer was contracted to review submissions and consult with select applicants. Application adjudication took place between December 2024 and March 2025.

More information can be found on visionzero.bc.ca.



Several road safety research projects continued in 2024/2025:

- A manuscript was drafted to provide a detailed understanding of the critical elements that engender public support for Automated Speed Enforcement and 30km/hr Speed Limits following the analysis of the survey data commission by the BCIPC.
- Work continued on the [Cycling Passing Distance study](#), measuring the lateral passing distance between vehicles and cyclists in a variety of road configurations. This study is a collaboration with UBC Engineering and Monash University. The project team has been working diligently on unforeseen technical issues and anticipate being in-field for data collection next year.

A plain language community evaluation manual was developed with a road safety lens. This manual is intended to support communities in determining if their Vision Zero project is making a difference in road safety, community capacity, and/or building relationships.

Youth Suicide and Self-Harm

The BCIPC established a working group to investigate effective action for means restriction. The BCIPC Youth Suicide and Self-Harm Means Restriction working group used a rigorous consensus-building process to complete the development of provincial and regional areas of focus for public health. Regional action will focus on fencing/barriers and firearm control. Provincial action will focus on exploring the restriction of access/availability of over-the-counter and prescription medication in light of alarming and increasing numbers of female youth and young adult self-harm hospitalizations due to medication.



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BCCDC/Regional Health Authority

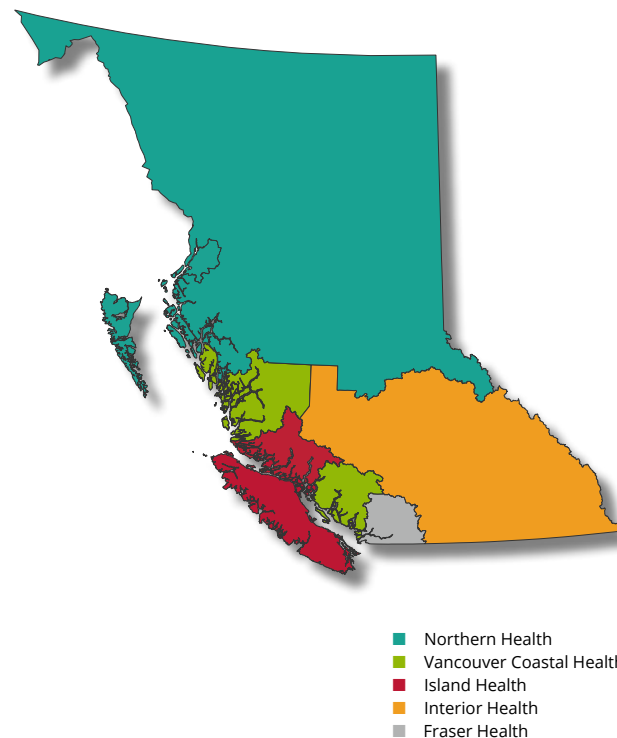
The BCCDC/regional health authority Injury Prevention and Safety Promotion Leads are dedicated positions within the public health programs of each regional health authority. They provide local and regional injury prevention leadership and capacity required for strategic planning, work plan and policy development, program implementation and evaluation, and research.

These positions operate within a hub and spoke model, whereby direct supervision is provided by BCCDC, while regional leaders provide direction and supervision for local and regional efforts. Staff members are embedded in various regional public health teams, such as population health or environmental health. The Leads also work as a team across the regions, including with a small number of existing regional injury prevention positions, to draw on the various expertise from team members and provide efficiencies such as sharing and co-developing resources or co-leading initiatives.

The Leads are also members of the BCIRPU team, increasing the injury prevention capacity within each regional health authority. Through the BCIRPU, Leads gain access to a wider network of injury prevention professionals, as well as support for requests related to: data and surveillance; research proposals and evidence reviews; evaluation; emerging topics in injury; communications and knowledge translation; and other injury prevention-related topics.

The Case for Injury Prevention

A team was assembled to work on evidence syntheses to support the work of the BCCDC regional health authority Injury Prevention and Safety Promotion Leads. This year, two evidence syntheses were developed on the topics of ATV safety and effective municipal policy for older adult falls prevention.





BCIRPU assists BC's health authorities and other partners with:

- Injury prevention program planning, development, implementation, and evaluation
- Coordination and facilitation of injury surveillance
- Identification of key trends, issues, and evidence-based best practices
- Expert training in injury and falls prevention
- Research design, methods, and analysis
- Research literature searches and synthesis
- Grant application development and review

Injury Data Mart

Injury surveillance using linked data is a critical requirement. Its development is supported by the BCIRPU, BCCDC, regional epidemiology leads, and medical health officers.

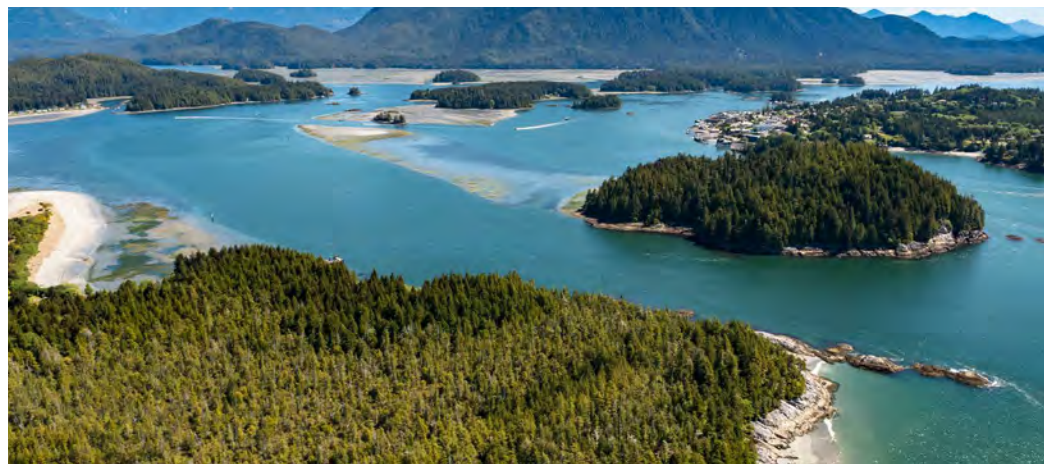
The injury data mart has been developed on the Provincial Health Services Authority's PANDA platform, currently using BC Vital Statistics (deaths), Discharge Abstract Database (hospitalizations), National Ambulatory Care Reporting System (emergency department visits), and Client Roster (denominators) datasets, with expansion to other datasets anticipated. Data from the injury mart will be used to support: the update of the relevant Injury Data Online Tools (iDOT©) and visualizations; requests from the health authorities; and visualizations approved by the BC Injury Prevention Committee.

Partnership With the First Nations Health Authority (FNHA)

First Nations Injury Surveillance in BC is a partnership between the First Nations Health Authority (FNHA), BCIRPU, and Trauma Services BC. With mentorship from BCIRPU, FNHA is exploring the various injury datasets and has produced descriptives on the trends and patterns of injury deaths and hospitalizations among First Nations peoples. Comparisons are being made between First Nations people living on or near community versus off reserve, as well as between First Nations people and other BC residents.

Injury Surveillance Methods Working Group

The Injury Surveillance Methods Working Group, a collaboration between BCIRPU and the health authorities, has worked to establish consistent methods for defining and reporting injuries in BC. Towards the end of the fiscal, it was identified and approved by the group members and the BCIPC, moving forward this working group would meet on an as-needs basis specific to injury data methodologies and surveillance.



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Other Injury Prevention Resources

Active & Safe Central

Active and Safe Central provides evidence-based injury prevention information for over 50 sports and recreational activities. Each activity page contains information on injury incidence, statistics, risk factors, and prevention tips.

For more information, visit activesafe.ca.

Concussion Awareness Training Tool

The Concussion Awareness Training Tool (CATT) is a series of online educational modules and resources with the goal of promoting concussion recognition, diagnosis, treatment, and management. CATT provides medical professionals, coaches, parents, teachers, youth, athletes, working adults and their employers, and women's support workers who support survivors of intimate partner violence with the latest evidence-based information on concussion. Visit cattonline.com.



Costofinjury.ca

Cost of Injury provides data detailing the human costs of injury, including deaths, hospitalizations, and emergency department visits, as well as the economic costs of injury on the health care system and society. Interactive charts and graphs illustrate the burden of injury in BC and Atlantic Canada. Work is underway to include the Cost of Injury in Ontario. Visit costofinjury.ca.

Dontshake.ca

Prevent Shaken Baby Syndrome BC (PSBSBC) is a provincial program based out of the BCIRPU. The aim of the program is the reduction of Traumatic Head Injury Due to Child Maltreatment/ Shaken Baby Syndrome (THI-CM/SBS) through a universal prevention program education for parents. Visit dontshake.ca.



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SURVEILLANCE

Understanding injury trends and patterns

BCIRPU's Injury Data Online Tools include:

- Hospitalizations including sports-related injuries (MoH DAD, 2001/02-2019/20)
- Deaths (BC Vital Statistics, 2001-2022)
**data undercounted from 2020-2022*
- Police-attended road-related injuries and deaths (ICBC, 2002-2022)
- Emergency department visits to BC Children's Hospital (CHIRPP, 2007-2021)
- Work-related insurance injury claims (WorkSafeBC, 2001-2023)

New databases are incorporated as they become available and new data sharing agreements are secured, with ongoing cleaning and maintenance, as required.

Recently, an anomaly was noted in the trends and patterns for injury death data obtained from BC Vital Statistics since 2020. While there is normally a two-year data lag for death counts, this data lag currently extends back to 2019, with a delay in closing the injury files under investigation at the BC Coroners Service attributed to resources required to support the unregulated drug crisis. As a result, death counts from 2019 onwards are under-reported.

BCIRPU Injury Surveillance System

The BCIRPU Surveillance System plays a critical role in monitoring, analyzing, and reporting injury-related data in BC. It supports informed decision-making by the BC Ministry of Health, PHSA/BCCDC, the BC Injury Prevention Committee, the BC Injury Prevention Alliance, and regional health authorities to improve public health outcomes and reduce the burden of injury across the province. Some of the roles include:

- Managing the interactive Injury Data Online Tool (iDOT©): a direct interface with the surveillance data for users to produce customized tables, charts, and maps.
- Managing the interactive injury visualizations: a dashboard with surveillance data for users to obtain an at-a-glance overview of provincial injury data, helping users quickly identify high-risk populations, common causes of injury, and regional variations.
- Monitoring emerging trends and identifying knowledge gaps in evidence, and best practices: conducting ongoing collection, analysis, interpretation, and dissemination of high-quality injury statistics and information.
- Maintaining comprehensive, integrated injury data through partnerships: collaboration with various agencies and organizations through formal data-sharing agreements. These partnerships allow for the integration of diverse data sources, enhancing the accuracy and scope of injury surveillance and prevention efforts in BC.

Canadian Hospitals Injury Reporting and Prevention Program (CHIRPP)

CHIRPP is a national emergency department injury and poisoning surveillance system operating at 11 pediatric hospitals (and one children's outpatient clinic within a general hospital) and 9 general hospitals in Canada. Funded by the Public Health Agency of Canada, the BC Children's Hospital CHIRPP program is operated by BCIRPU, informing child and youth injury prevention policy and programs.





SURVEILLANCE

Injury Data Online Tool (iDOT)

[iDOT®](#) is an easy-to-use, menu-driven online system making data available to injury prevention practitioners and professionals, as well as the public.

Data sets include injury hospitalizations with a sports-related injuries subset (2001/02-2019/20), injury deaths (2001-2022), police-attended road-related injuries and deaths captured by the Traffic Accident Statistics database (2002-2022), emergency department visits to BC Children's Hospital (2007-2021), and work-related insurance injury claims (2001-2023).

Pull-down menus provide options to create a customized view of injury-related deaths and injuries. Information is available as counts, rates per 100,000 population, and age-adjusted rates. Longitudinal and cross-sectional views can be made, broken down by parameters such as age, sex, region, and cause or type of injury. Injury hospitalization data also include total length of hospital stay and hospitalization costs.

Injury data visualizations are available on iDOT®, providing visual overviews of injury trends and patterns in BC. In addition to injury hospitalizations and deaths, visualizations are available for emergency room visits to BC Children's Hospital, sport-related hospitalizations, traffic-related deaths, concussion-related hospitalizations rates and emergency room visits across BC, as well as the *Children and Youth Serious Injury Indicator*.

Updates to the iDOT tools and visualizations are in progress, following the recent receipt of updated data.

"Data & Surveillance" Website Page

A number of resources around data usage and interpretation are available on the [Data and Surveillance page](#) on the BCIRPU website. These resources include the Injury Data Online Tool (iDOT), data visualizations, information sheets, and more.

Our Injury Data 101 series includes the following factsheets: *How do we describe the burden of an injury?*, *How do we monitor injury?*, and *How do we present the burden of injury?*

Quick Charts are also available: *Leading causes of injury-related hospitalizations (2021/22)* and *Leading causes of hospitalizations (2021/22)*.

iDOT® TOOLS



INJURY HOSPITALIZATIONS



INJURY-RELATED DEATHS



TRAFFIC ACCIDENT SYSTEM



SPORTS-RELATED INJURY



CHIRPP BCCH ED VISITS



WORK-RELATED INJURY CLAIMS



RESEARCH

Guiding evidence-based prevention

Research and Knowledge Development

BCIRPU contributes to the injury prevention evidence base by pursuing research opportunities through peer-reviewed grants and contracts. Projects aligning with the Unit's core deliverables are undertaken with provincial, national, and international research partners, collaborators, and other stakeholders.

 **Articles Published: 21**

 **Presentations & Workshops: 9**

 **Collaborative Grants Awarded: \$2,590,000**

Surveillance in High School to Reduce Concussions and Consequences of Concussions in Canadian Youth (funded by National Football League)

The SHRed Concussions research study is a national platform for high school concussion surveillance to reduce the risk of youth sport-related concussions and their consequences. This work will establish and validate injury surveillance in high schools, integrating a variety of tools to detect concussion, predict recovery, and inform prevention and management best practice and policy. Funded by the National Football League and led by Dr. Carolyn Emery at the University of Calgary, SHRed Concussions is a collaboration of investigators from across Canada. In Vancouver, SHRed is led by Drs. Shelina Babul and Ian Pike.

The UBC SHRed site welcomed the SHRed Mobile, the University of Calgary's mobile research lab, back to the Lower Mainland in 2024. Baseline assessments were conducted for approximately 40 players across 3 BC Rugby clubs, with a focus on female age-grade players. BC Rugby serves as the governing body for the rugby union in BC, with over 8,000 members across 61 organizations. BC Rugby is a proud partner of the SHRed Concussions study and BCIRPU.

For more information, visit the [BCIRPU website](https://www.bcirpu.ca).



VOICES of Our Children and Youth: Akwesasne

The Voices of Children and Youth (VOICES) is an ongoing research program determining the efficacy of child and youth voices to inform the improvement of community injury prevention policy and practice. Youth are challenged through visual storytelling—combining photography, videos, and narratives—to identify safe and unsafe places in their community, develop solutions, and make recommendations to the community leaders who can make a difference. The VOICES method has been applied in four communities within Canada, resulting in changes to policy, infrastructure, and knowledge transfer products designed and produced by the youth, including YouTube videos.

VOICES Vancouver

In 2024/2025, VOICES Vancouver involved children in low- to mid-income communities in Vancouver who participated in two-week day camp programming at the Thriving Kids Care Society. Similar to other VOICES projects, photo-voice and qualitative methods were used to capture child perspectives on risk, danger, injury prevention, and play at neighbourhood parks and playgrounds.

Children reported being nervous about play involving great heights, and that they liked exploring new environments and seeking thrilling and exciting activities. Children also enjoyed playing in competitive games with one another, where they could develop rules and roles to guide their behaviour without adult interference. This project was led by Dr. Michelle E. E. Bauer, who received a postdoctoral fellowship award from the Social Science and Humanities Research Council, and conducted in partnership with the Society for Children & Youth of BC and Thriving Kids Care Society. A total of five manuscripts were published from this project, in journals such as *Injury Prevention* and the *Journal of Adventure Education and Outdoor Learning*. Results were presented by Dr. Bauer at various academic conferences in Canada, Australia, India, and Lebanon.



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Cannabis Poisonings Among Children and Youth at BCCH: impact of the national cannabis legislation.

BCIRPU researchers are developing a manuscript that examines the impact of cannabis legislation on emergency department visits for cannabis poisoning among children and youth at BC Children's Hospital. The study uses an interrupted time series design to assess changes in visit trends before and after legalization. The manuscript is currently in preparation and will be submitted for publication in 2025.

Firearm-related Injuries and Deaths in BC: the epidemiology and material deprivation profile of firearm serious injuries and deaths in BC.

This study aimed to determine the incidence of firearm-related injuries in British Columbia and examine the data according to intent, urban-rural area of residence, and neighbourhood deprivation. This manuscript has been accepted for publication in *HPCDP (Health Promotion and Chronic Disease Prevention in Canada: Research, Policy and Practice)* and will be published in 2025/2026.



Hospitalization of Home Injuries in BC: Identifying trends and patterns of injuries occurring in the home that result in hospitalization

This study examined the relationship between neighbourhood deprivation and unintentional injuries occurring at home leading to hospitalizations in BC between 2015 and 2019. The first publication from this study demonstrated that for three dimensions of the Canadian Index of Multiple Deprivation (situational vulnerability, economic dependency, and residential instability), unintentional home injury rates were higher in areas with higher deprivation, while the inverse was observed for ethno-cultural diversity. The second manuscript (under review) focuses on the geospatial hotspots of unintentional home injuries in British Columbia.



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 Research Awards: **3**

 Conference Proceedings: **34**

Cross-country policy comparison of 30 km/hr speed limits

The objective of this study was to identify and explore barriers and enablers to implementation of 30 km/hr speed limits in the state of Victoria, Australia, and compare this to implementation in British Columbia. Through semi-structured interviews with relevant policy partners, six key themes were identified, including appetite for change, policy misalignment, lack of local evidence, council capacity, need for 'self-explaining' roads, and equity lessons in implementation. [The study was published](#) in the journal *Cities and Health* in January 2025.

Next steps are to draft a second manuscript, again led by Monash University collaborators, on barriers and enablers of automated speed enforcement policy.

Cost of Drowning in Canada

Previous cost of drowning estimates do not account for rescue services and the different geographic locations of drowning. The objective of this project is to improve on existing methodologies to develop a model that provides a more robust estimate of the cost of drowning. A model will be developed for fatal and near-drowning cases reflecting four different geographic settings (ie. large/medium urban, small urban, rural and remote). In 2024/2025, this project was in the initial phases of consulting with external organizations to access data to estimate rescue services costs.



Emergency Room Doctors and Nurses, Parenting Practices, Occupational Experiences, and Child Safety Perspectives

Led by BCIRPU Research Associate Dr. Michelle Bauer, this project is a qualitative study that seeks to understand emergency room practitioners' experience and exposure to severe pediatric injuries and death, and the effect they have on how they parent their own children. Findings from this work have provided insight into how severe injuries resulting from drownings, window falls, motor vehicle crashes, and animal bites can cause practitioners to be more vigilant towards child safety threats and intervene in potentially dangerous activities around the home, and near water and roads. Results also demonstrate that traumatic injuries and death where children experience great pain, or families express grief, can be remembered by practitioners long after exposure and impact their perceptions of risk-taking and parenting decision-making. Dr. Bauer received a BC Children's Hospital Research Institute postdoctoral fellowship award to conduct this project.



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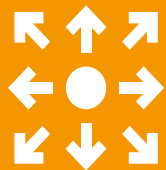


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MoTT E-Scooter study

Electric kick scooters are battery-powered motorized devices with two to four wheels, and include a platform for standing and handlebars for steering. The BC Ministry of Transportation and Transit (MoTT) established regulations for communities to pilot these micro-mobility devices in 2021. In April 2024, MoTT renewed their pilot project to test electric kick scooter use in participating communities for four more years. BCIRPU will provide BC Children's Hospital CHIRPP data related to e-scooters to MoTT on an annual basis from now until 2028.

The first year of data (cases from April 1, 2024- March 30, 2025) will be provided to MoTT in May 2025, and will include the following variables: date and time of injury, sex, location, area, place, postal code, nature of injury, body part affected, safety equipment, and disposition.



KNOWLEDGE SYNTHESIS, TRANSLATION, AND PUBLIC EDUCATION

Improving injury awareness and knowledge

Equity, Diversity, and Inclusion

BCIRPU staff are committed to learning more about how to incorporate equity, diversity, and inclusion (EDI) into the workplace—research, daily office and human resources practices, as well as learning more about EDI best practices and contributing towards Truth and Reconciliation.

In 2024/2025, the BCIRPU staff completed the UBC Equity, Diversity, and Inclusion Self Assessment Tool and created an action plan. Onboarding documents and requirements, as well as conflict resolution practices at the office, were reviewed and discussed. EDI sessions were held on sex and gender considerations, inequity as it relates to injury data, and considerations of how people and society interact via the psycho-politics of injury research as commodity: narcissism, neo-liberalism, and collective ethics. A summary of the PHSA Neurodiversity at Work webinar was also presented. The BCIRPU staff also completed the UBC Indigenous Strategic Plan Self Assessment Tool, and will create an associated action plan.

A collection of presentation slides and other resources has been compiled for the staff, and a library of relevant EDI books has been assembled with over a dozen books currently available. New First Nations resources were highlighted for the staff, including the Oscar nominated documentary *Sugarcane*, and the book *Who We Are* by the late Honourable Murray Sinclair.

**Newsletter
Subscribers:**
740+

In 2024/2025, CATT
was accessed by

153,000+

people worldwide



Active & Safe Central

[Active & Safe Central](#) provides evidence-based injury prevention information to children, youth, and adults who engage in or facilitate sports and recreational activities. The ongoing systematic review to gather the latest injury statistics, risk factors, and prevention information for all 50 sports and recreational activities is in its final stages. Each sport-specific webpage will be updated once all relevant data have been curated for the sport. Meanwhile, the News section is updated on a regular basis with summaries of recent sports injury prevention studies.

In 2024/2025, [activesafe.ca](#) had 22,463 visits from 19,128 users. There were a total of 71,477 pageviews. The most-visited sports pages were: wrestling, volleyball, badminton, dance, track and field, ice hockey, boxing and kickboxing, water skiing, wakeboarding, and swimming. Users visited Active and Safe Central from all over the world, including United States, Canada, Germany, United Kingdom, Philippines, Australia, India, China, Indonesia, and Thailand. Interesting search terms people used to arrive at the website included: “water skiing,” “hockey injuries,” “is wakeboarding dangerous,” “why is rugby dangerous,” “how dangerous is rugby,” “safe=active,” “ice hockey injury statistics,” and “risks of skiing”.



Concussion Awareness Training Tool

The online [Concussion Awareness Training Tool \(CATT\)](#) provides evidence-based eLearning modules and resources to eight target audiences: medical professionals, coaches, parents and caregivers, school professionals, athletes, youth, workers and workplaces, and women's support workers (supporting the survivors of intimate partner violence). Information is provided on the recognition, response, treatment, and management of concussion.

The new CATT platform (CATT 3.0) was soft launched on June 28, 2024, with seven of the eight CATT courses fully updated; CATT for Women's Support Workers is scheduled to be updated and expanded next year. A new feature was added to reset each CATT course for those needing to renew their certificate, such as high performance athletes. The CATT website is fully translated into French, including the eLearning modules.

In 2024/2025, [cattonline.com](#) had over 153,000 visits (approx. 10,000 per month). There were 927,115 pageviews on the website; the top visited pages were: 1. SCAT 5; 2. Resources page; 3. Supplementary Resources; 4. Course pages; 5. Home page. The countries with the most visitors were Canada, USA, Australia, United Kingdom, New Zealand; 76,579 users from 168 countries visited CATT in 2024/2025.

GP Concussion Assessment and Management Guidelines

Dr. Shelina Babul contributed to the development of a new provincial GPAC guideline on [Concussion Assessment and Management Guidelines](#). The guideline was approved by the standing committee and released in the fall of 2024, and promoted via Child Health BC, Doctors of BC, and BCIRPU networks.



The new CATT homepage



CATT for Coaches and Officials

Invictus Games 2025

CATT for Medical Professionals and related materials were incorporated into the Medical Volunteer Operations Guide. CATT was also included in the November Newsletter.



The Community Against Preventable Injuries (Preventable)

The BCIRPU has a longstanding strategic partnership with The Community Against Preventable Injuries (Preventable). Preventable launched its 2024 Yellow Lines campaign in March on TV, Connected TV and YouTube, banner ads, and social media. The 2024 campaign was the first year TikTok advertising was used.

The campaign delivered 209 million impressions (number of possible exposures) across BC, meeting all targets for TV, and exceeding goals for digital advertising. Through *Global News* interviews and Morning Show and Noon News advertising, the campaign delivered bonus impressions. The Holiday Jingle aired from November 25 to December 31, 2024, adding a festive reminder about holiday injuries.

Preventable selected One23West in the fall of 2024 as their new Agency of Record to manage future campaigns. The 2025 campaign launched in March, with new mediums for sharing Preventable's messages, including Cineplex pre-show advertising, Spotify/podcasts, and Twitch. The Preventable team and One23West are also creating a new campaign platform to replace the current Yellow Lines creative. This new platform will be tested, produced, and launched in early 2026.



Yellow Lines | Preventable

FireSafe: Ignite Awareness, Extinguish Fires!

Work continues to progress on the FireSafe project, a strategic partnership with BCIRPU, Preventable, and the BC Office of the Fire Commissioner.

In 2024/2025, efforts continued around the door-knocking component of the project, where firefighters in high-risk areas visit homes and check for working smoke alarms. This year, 2,451 new smoke alarms were installed. Currently there are 45 participating fire departments, including 5 First Nations communities.



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Prevent Shaken Baby Syndrome BC – The Period of PURPLE Crying® Program

The aim of Prevent Shaken Baby Syndrome BC (PSBSBC) is the reduction of a preventable intentional injury: Traumatic Head Injury Due to Child Maltreatment/Shaken Baby Syndrome (THI-CM/SBS). This is achieved by providing timely and evidence-based education, information to parents, caregivers, and health care professionals. PSBSBC facilitates the universal delivery of the Period of PURPLE Crying® (PURPLE) program across British Columbia.

Core PURPLE delivery model

A multi-exposure delivery model is utilized to ensure parents/caregivers learn about infant crying, soothing, and coping in order to prevent THI-CM/SBS. Primary delivery of PURPLE education and resources are provided to every new family prior to discharge from maternity hospitals. Additional educational opportunities occur in health units (public/community/primary care) during home visits, “well-baby” check-ins, and immunization clinics, and through community partners working with prenatal and new parents, such as midwives, infant development and pregnancy outreach workers, parent support workers, and early childhood educators. Free PURPLE training and resources are available for all BC interdisciplinary professionals who provide support to families with infants and parents/caregivers.

Supplemental PSBSBC program resources

The dontshake.ca website recorded 5,812 visits during the 2024/2025 reporting period. These visits generated a total of 10,245 pageviews, indicating that users explored multiple pages per session. The Family page was the most viewed page after the Home page, representing 19.8% of total pageviews. Other frequently visited pages included the PURPLE, About, and Training pages.

The top four most viewed pages included:

- For Families
- For Providers
- About – Our Team
- Training

Program statistics

The PURPLE package includes a booklet with a BC-specific insert card. The [PURPLE App](#) provides education on infant crying, soothing, coping, safe sleep, infant safety, and self-care and tracking tools. The dontshake.ca website is a resource for parents and the general public to access additional information.

In 2024/2025:

Training:

700+ completions of PURPLE implementation training on the PHSA LearningHub.

Program Materials:

A total of 34,402 PURPLE booklets were distributed to BC parents and caregivers:

- Fraser Health: 10,155
- Vancouver Coastal Health: 10,066
- Interior Health: 13,097
- Island Health: 5,489
- Northern Health: 3,475
- First Nations Health Authority: 321



eLearning Pilot Study:

A new online eLearning module on infant crying has been developed. In partnership with Perinatal Services BC, this module is located within their virtual Pregnancy & Parent Learning Centre.

Designed to broaden the reach of infant abuse prevention education, the eLearning module incorporates diverse parenting practices and coping strategies gained through focus groups conducted with newcomer/immigrant mothers and fathers. Content reflects parents' experiences with soothing, emotional responses to crying, and cultural influences. This multi-lesson course includes existing resources and evidence-based information, such as the Period of PURPLE Crying® program.

The project was made possible through a Planning and Dissemination grant from the Canadian Institutes of Health Research.

Themes that were identified through focus groups:

- Exploring culture and social influences on parenting during crying
- Tensions in parenting a crying infant
- Navigating family and gender role expectations in new culture
- Enhancing formal resources to be inclusive and relatable

A manuscript on how culture and gender influence caregiving response and reaction to infant crying is in development, stemming from the findings from the CIHR-funded project.

This project received a Best Poster Presentation Award (early/mid-career) for Violence Prevention and Trauma Care at the 15th World Conference on Injury Prevention and Safety Promotion (SAFETY 2024), which took place in New Delhi, India, in September 2024.

THI-CM surveillance review

As part of current work to update the BC THI-CM surveillance identification protocols, two BC Children's Hospital Research Institute INSPIRE students undertook a literature review of current evidence for recognizing and responding to THI-CM. A study to pilot and validate the updated protocol will begin in the fall of 2025 in partnership with the Suspected Child Abuse and Neglect (SCAN) team at BC Children's Hospital.

BCIRPU Webinar Series

The BCIRPU [webinar series](#) is held on an as-needed basis based on priorities and topical areas, in order to reduce duplication with other webinars.

Webinar topics:

1. March 27, 2025 | Publicly Available Road Traffic Data in British Columbia: Applications in Research

Breanna Nelson, PhD Candidate (UBC) & Graduate Research Assistant, BCIRPU

[Recording](#)



**Webinar
Participants: 57**



Social Media

BCIRPU continues to engage the public and provide injury prevention information through social media channels. In 2024/2025, BCIRPU staff led or collaborated on the social media planning for many awareness days/weeks, including BC Concussion Awareness Week, BC Seniors' Fall Prevention Awareness Week, and National Poison Prevention Week.

Facebook: 574 followers, 20 posts published.

X/Twitter: 740 followers, 144 posts published.

Instagram: 308 followers, 33 posts published.

LinkedIn: 207 followers, 36 posts published.

BCIRPU Website

A new page called Programs and Partnerships was added to the BCIRPU website in 2024/2025 in order to highlight the breadth of the Unit's work in all areas of injury prevention.

The news section continued to be a space to house timely updates from the BCIRPU, including highlighting grants and awards received. A new series called Research Injury Insights was started, highlighting a selection of publications by BCIRPU researchers.

BCIRPU Website Google Analytics

The majority of visitors in 2024/2025 were located in Canada and the United States. The most frequently viewed pages were the homepage and iDOT, followed by Our Team, About, and the Data & Surveillance page.

Concussion Awareness Week

BC Concussion Awareness Week was held September 22-28, 2024 by proclamation of the Province of British Columbia. This year's campaign took place during the interregnum period for the 2024 provincial election in BC; from September 19 to November 2 there was a blackout period on external communications that promoted government or government-funded initiatives, with BCIRPU and CATT communications very limited during this period.

A campaign toolkit was prepared and sent to key partners and interested collaborators, including injury prevention organizations, government, health authority communications departments, sports organizations, and non-profit organizations. The toolkit contained concussion resources, a sample e-newsletter article, and sample social media messages and images that could be distributed to various networks. Organic posts were scheduled and posted on Instagram, Threads, and X (Twitter), with partner organizations and collaborators sharing content on social media.



Concussion Awareness Week 2024 Toolkit



Brain Waves

Brain Waves was successful in 2024/2025. Virtual presentations were promoted through the Deputy Minister Bulletin, sent to all public and independent elementary schools in BC. In February, a total of 28 virtual Brain Waves presentations were delivered to BC schools, reaching 778 students. With gratitude to funding from the Fraser Valley Brain Injury Association, presentations were made in Chilliwack, where there is a higher proportion of Indigenous students, to a total of 7 classes, totalling 194 students. Work will continue in 2025/2026 to update resources for the in-person presentations.



An interactive Brain Waves workshop | Photo by Anita Yau



UBC Brand and Marketing

SPPH 555

Principles and Practices of Injury Prevention is a graduate-level course at UBC's School of Population and Public Health (SPPH 555). The course is based on the Canadian Injury Prevention Curriculum (CIPC), focused on injury prevention and control theory and practice. It has been designed to prepare students for the responsibilities they will acquire when entering an academic, research, or health care delivery work setting.

SPPH 555 was not held in 2024 due to low enrollment. Work focused on updating the curriculum, integrating new evidence in the field and adding timely references. The course is to be offered May-June 2025, with guest speakers presenting on featured subjects, including road safety, injury surveillance, concussions, and intervention-based studies.



NETWORKS, COALITIONS, AND PARTNERS

Supporting injury networks and coalitions

Networks and Coalitions

BCIRPU directly participated in and supported the following strategic provincial, national, and international networks during 2024/2025:

- **BC Concussion Advisory Network** — providing leadership, coordination, and secretariat support.
- **BC Concussion Advisory Network Sub-Committee** — providing leadership, coordination, and secretariat support.
- **BC Falls and Injury Prevention Community of Practice (BCFCP)** — providing leadership, coordination, and secretariat support.
- **BC Injury Prevention Committee (BCIPC)** — providing leadership, coordination, and secretariat support, including for the following working groups:
 - BCIPC Fall Prevention Working Group
 - BCIPC Road Safety Working Group
 - BCIPC Youth Suicide and Self-Harm Working Group
- **BC Injury Prevention Alliance (BCIPA)** — providing leadership, coordination, and secretariat support.
- **BC Trauma Injury Prevention Committee** (formerly BC Health Authority Injury Prevention Community of Practice) — providing coordination and support.
- **BC Road Safety Strategy** — providing leadership support.
- **BC Road Safety Strategy Steering Committee**
- **Child & Nature Alliance of Canada** — providing leadership support.
- **The Community Against Preventable Injuries** — providing injury prevention research and evaluation expertise, leadership, and spokesperson support to the injury prevention social marketing campaign.
- **The Community Against Preventable Injuries Board of Directors**
- **Injury Surveillance Methodology Working Group** — providing co-chair and leadership.
- **Outdoor Play Canada Leadership Group** — providing leadership
- **Parachute (the national NGO for injury prevention)** — providing provincial leadership and coordination under the renewed memorandum of understanding.
- **Parachute Board of Directors**
- **Road Safety Data and Measurement Group** — providing coordination and support.
- **Trauma Association of Canada Injury Prevention Committee** — providing leadership support.
- **viaSport Safe Sport Advisory Group** — providing leadership, coordination, advocacy, and communication support.



NETWORKS, COALITIONS, AND PARTNERS

BCIRPU was represented in the following coalitions, working groups, and committees during 2024/2025:

- BC Children's Health Bridge, Advisory Committee
- BC Children's Hospital Research Institute Senior Executive Director Search Committee
- BC Children's Hospital Research Institute Senior Leadership Committee
- BC Children's Hospital Research Institute Space Committee
- BC Children's Hospital Research Institute Mentorship Excellence Award Committee
- BC Children's Hospital Research Institute Research Leadership Council
- BC Children's Hospital Trauma Program Committee
- BC Nature Based Child Care Advisory Committee (convened by Vancouver Island Health Authority)
- Canadian Collaborating Centres for Injury Prevention
- Canadian Collaborating Centers for Injury Prevention (CCCIP) ATV subcommittee
- Canadian Drowning Prevention Coalition
- Canadian Drowning Prevention Coalition, 0 to 4-year-old subcommittee
- Canadian Drowning Prevention Coalition, Cost of Drowning Working Group
- International Collaborative Effort on Injury Statistics
- National Toxicovigilance Committee
- Slocan Site Redevelopment Committee
- Sunny Hill BC Leadership Chair in Child Development, Co-Chair Search Committee
- Trauma Association of Canada Injury Prevention Committee
- The British Columbia Vision Zero in Road Safety Grant Program
- UBC Faculty of Medicine Search Committee, Director Centre for Health Services and Policy Research, Committee
- UBC SPPH Search Committee, CRC Tier 2 in Anti-Racism in Population Health

Cooperation and Collaboration

BCIRPU provides leadership and support to government, health authorities, and other interest holders and their extensive networks and coalitions. Successful injury prevention activity in BC is dependent upon multi-sectoral and interdisciplinary collaborations. BCIRPU has established strong strategic relationships with many provincial, national, and international agencies and organizations. This enables BCIRPU to draw upon external expertise and resources to build capacity and better address injury prevention in BC.



NETWORKS, COALITIONS, AND PARTNERS

Key Partnerships

In the 2024/2025 operating period, BCIRPU worked with the following key partners:

British Columbia:

- BC AdventureSmart
- BC Ambulance Service
- BC Automobile Association
- BC Concussion Advisory Network
- BC Coroners Service
- BC Drug and Poison Information Centre
- BC Falls and Injury Prevention Community of Practice
- BC Hockey
- BC Injury Prevention Alliance
- BC Ministry of Health
- BC Ministry of Public Safety and Solicitor General
- BC Office of the Fire Commissioner
- BC Recreation and Parks Association
- BC Regional Health Authorities
- BC School Sports
- BC Trauma Council
- Child Health BC
- Doctors of BC
- First Nations Health Authority
- Fraser Valley Brain Injury Association

- Insurance Corporation of British Columbia
- Provincial Health Services Authority
- RCMP E-Division
- Road Safety BC
- Society for Children & Youth of BC
- SportMedBC
- Supporting Survivors of Abuse and Brain Injury through Research (SOAR)
- Surrey Fire Department
- The Community Against Preventable Injuries (Preventable)
- The Djavad Mowafaghian Centre for Brain Health
- Thriving Kids Care Society
- University of British Columbia – Vancouver and Okanagan
- Vancouver General Hospital Trauma Services
- viaSport
- WorkSafeBC
- YWCA/Cridge collaboration - IPV + Concussions
- Royal Roads University
- University of the Fraser Valley

National:

- Brain Injury Association of Canada
- BrainTrust Canada
- Canadian Concussion Centre: Krembil Neuroscience Centre (Toronto Western Hospital)
- Canadian Collaborating Centres on Injury Prevention and Control
- Canadian Red Cross
- Canadian Standards Association
- Canadian Traumatic Brain Injury Research Consortium
- Concussion Clinical Practice Guideline consensus committee
- ENRICH Empowering Next-Generation Researchers in Perinatal and Child Health
- First Nations and Inuit Health Branch
- Health Canada Supporting Injury Networks & Coalitions
- Hockey Canada
- Holland Bloorview Kids Rehabilitation Hospital
- Injury Prevention Centre (University of Alberta)
- National Indigenous Fire Safety Council



NETWORKS, COALITIONS, AND PARTNERS

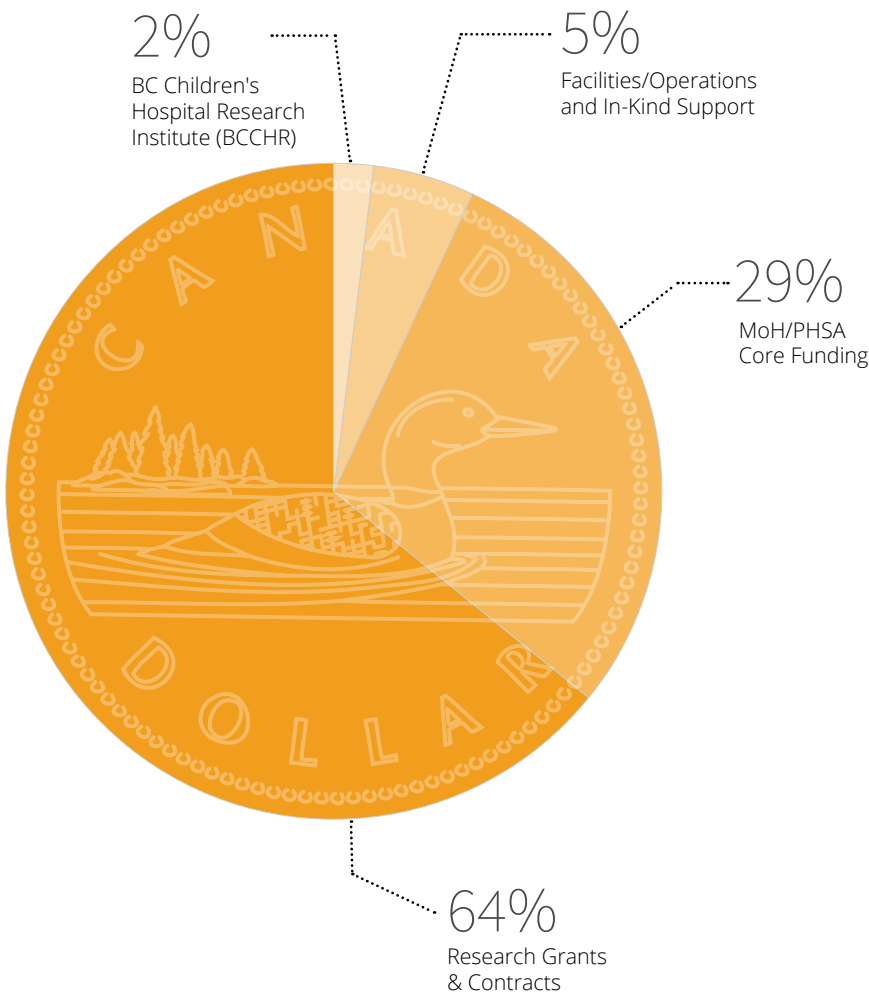
- Occupational Health and Safety Agency for Healthcare
- Parachute
- Public Health Agency of Canada
- Public Health Ontario
- Safe Communities
- Saskatchewan Government Insurance
- SickKids Hospital Research Foundation
- Toronto Metropolitan University (Ryerson University)
- Trauma Association of Canada
- University of Calgary, Sport Injury Prevention Research Centre
- Winnipeg Pan-Am Concussion Clinic
- York University

International:

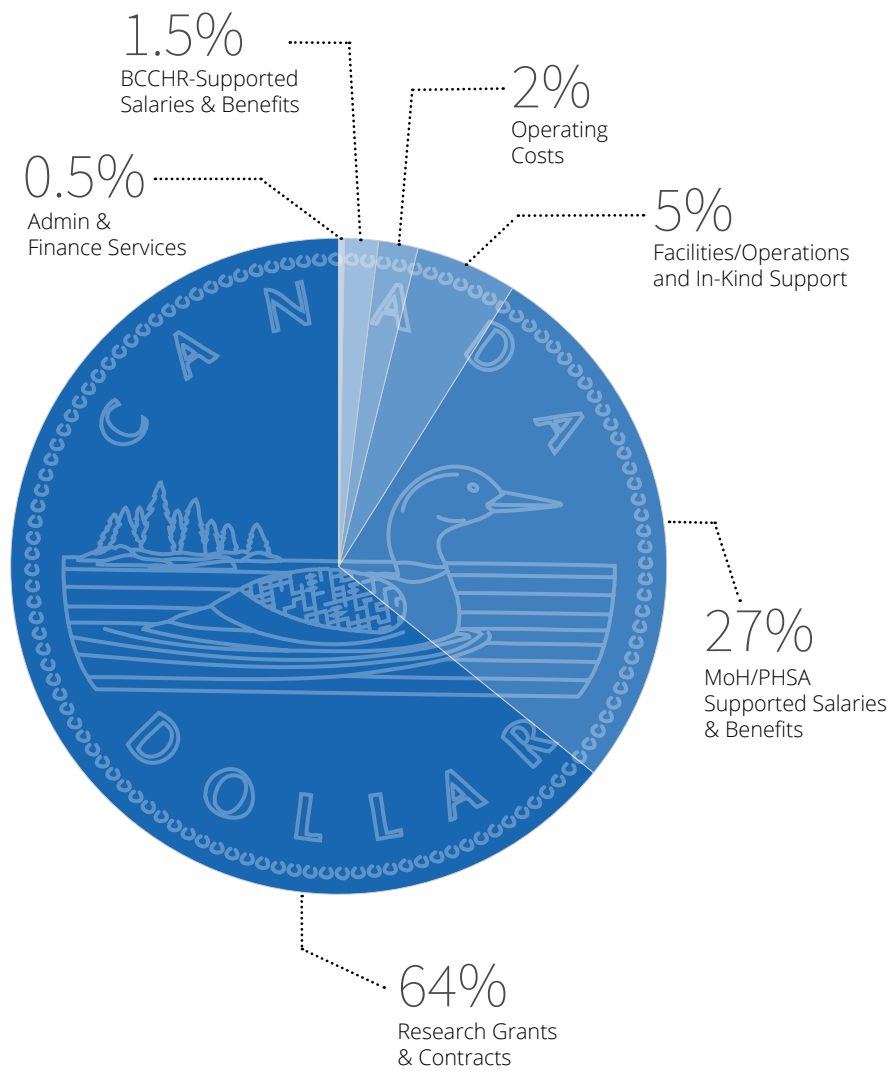
- Accident Compensation Corporation, New Zealand
- Aga Khan Hospital, Dar es Salaam, Tanzania
- Aga Khan Hospital, Nairobi, Kenya
- Aga Khan Secondary School, Dar es Salaam, Tanzania
- Aga Khan University, Karachi, Pakistan
- Aga Khan University Center of Excellence for Trauma and Emergencies
- Aga Khan University Trauma and Injury Research Training Program (AKU-TIRTP)
- American University of Beirut, Lebanon
- Concussion in Para Sport Group
- International Brain Injury Association
- International Safety Media Awards - Judge
- Middle East and North Africa Program for Advanced Injury Research (MENA PAIR)
- Monash University, Australia
- National Research Institute of Police Science, Japan
- UK Concussion Injury Prevention Network
- University of Alabama at Birmingham & Safe Kids Worldwide: Data Safety Monitoring Board [for NIH funded RCT]
- World Rugby

REVENUES & EXPENDITURES

Sources of Revenue



Sources of Expenditure



AWARDS, GRANTS, PUBLICATIONS, & CONFERENCES

April 1, 2024–March 31, 2025

Research Grants

Álvarez Jaramillo L, Bauer M, Colonna R, Crizzie A, ... Babul S, et al. #dontdrivehigh: Establishing Youth's Risk Profiles for Driving Under the Influence of Cannabis. Canadian Institutes of Health Research (2022-2025).

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Babul S, Sampson O, Rothfels P, Jacob J. Drawing Attention to an Invisible Injury: Increasing Awareness and Reducing the Burden of Concussion among Workers and Workplaces in British Columbia. Michael Smith Foundation for Health Research (2023-2024).

Bauer M, Gilley M. Clinical and Translational Research Seed Grant, BC Children's Hospital Research Institute (2023-2025).

Bauer M. Research Methodology Training Grant, BC Children's Hospital Research Institute (2023-2024).

Ezzat A, Babul S, Bauer ME, Cooper A, Barton C, Chhina H, Keefer J, Hogarth C. Interviewing the implementors to close the injury prevention knowledge-practice gap in girls community soccer. BC Women's Hospital, Women's Health Research Institute Catalyst Grant (2024-2025).

Moore L, Yanchar N, Archambault P, Beaudin M, ...Pike I, et al. A Pan-Canadian Audit & Feedback Intervention for Pediatric Injury Care: Development and Pilot Implementation Study. Canadian Institutes of Health Research (2021-2026).

Paetkau C, Babul S. Community-based programming: Fraser Valley Brain Waves Program. Brain Injury Alliance (2023-2026).

Pike I, La Freniere K, Bruin S. A strategic alliance for the prevention of injuries through social marketing. The Community Against Preventable Injuries (2020-2025).

Pike I, Macpherson A, Richmond SA, Babul S, Carsley S, et al. The unintended consequences of implementing stay-at-home policies during the COVID-19 pandemic: Violence outcomes in children and youth in Canada. Canadian Institutes of Health Research (2021-2024).

Pike I, Rothman L, Babul S, Macpherson A, Fuselli P. Examining the effects of public health policies implemented during the COVID-19 pandemic on unintentional injuries in children and youth in British Columbia and Ontario, including as related to equity and marginalized populations. Canadian Institutes of Health Research (2022 extended).

Ramsay S, Babul S. Inequities in pediatric concussion care: An intersectoral workshop to engage and improve processes in British Columbia. Cities. Canadian Institutes of Health Research – Planning and Dissemination (2024-2025).

Ramsay S, MacRae W, Schmidt W, ... Babul S, et al. Modernizing brain injury services in British Columbia: Developing research priorities for children, youth, and young adults. MSFHR - Convening and Collaborating Grant (2025).

van Donkelaar P, Babul S. Building awareness and service provider capacity for gender-based violence traumatic brain injury (GBV-TBI) in Canada. Public Health Agency of Canada (2024-2027).

van Donkelaar P, Baker J, Babul S. Concussion blood biomarker analysis and the development and implementation of the CATT-IPV. Status of Women Canada (2019-2024).

Research Awards

Babul S. Shelina Babul: 2023 UBC Faculty of Medicine, Clinical Faculty Award for Excellence in Research (Clinical or Applied).

Bauer M. BC Children's Hospital Research Institute Postdoctoral Fellowship Award.

Pike I. 2024-2025 JSPS Research Fellowship (Long-Term), Japan Society for the Promotion of Science.

Journal Articles

Bauer ME, Pike I. Children's competitive microcultures: an examination of the social organization of rules and roles in gender inclusive and performance-based outdoor play. *Journal of Adventure Education & Outdoor Learning*. 2024;1–15. doi:10.1080/14729679.2024.2312936.

Bauer ME, Al-Hajj S, Presser E, Zahwe A, Faraj S, Pike I. Retheorising "Risky" Play in a Global Context: Addressing the Safety Needs of Refugee and Displaced Families. *Sociol Health Illn*. 2025;47:e70007. doi:10.1111/1467-9566.70007.

Bauer ME, Cunningham L, Gilley M, Pike I. Children's Risky Play and Resilience: Perspectives of Emergency Care Practitioners. *Child Care Health Dev*. 2025;51:e70056. doi:10.1111/cch.70056.

Bauer ME, Giles AR, Brussoni M. "I've Seen What Evil Men Do": Military Mothering and Children's Outdoor Risky Play. *Leisure Sciences*. 2024;46(2):150–66. doi: 10.1080/01490400.2021.1920521.

Bauer ME, Kovacs IG, Pike I. Monkey bars and medical masks: a photo-voice study of children's playground safety in British Columbia, Canada. *Journal of Adventure Education & Outdoor Learning*. 2024;1–19. doi:10.1080/14729679.2024.2393133.

Bauer ME, Pike I. Children's participatory needs in injury prevention: reflections on supporting children's right to invite and comfort in discussing sensitive topics. *Injury Prevention*. 2024;30(6):517–20. doi:10.1136/ip-2023-045087.

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Eliason PH, Galarneau JM, Babul S, Mrazik M, Bonfield S, Schneider KJ, et al. Safe2Play in youth ice hockey: injury profile and risk factors in a 5-year Canadian longitudinal cohort study. *Annals of Medicine*. 2024;56(1):2385024. doi:10.1080/07853890.2024.2385024.

Gnanvi JE, Yanchar N, Freire G, Beaulieu E, Tardif PA, Mélanie B...Pike I... et al. Social determinants of health and disparities in pediatric trauma care: protocol for a systematic review and metaanalysis. *Syst Rev*. 2024;13(1). <https://doi.org/10.1186/s13643-024-02510-7>.

Karmali S, Saxena S, Richards O, Thompson W, McFaull SR, Pike I. What was the impact of COVID-19 restrictions on unintentional injuries, in Canada and globally? A scoping review investigating how lockdown measures impacted the global burden of unintentional injury. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1385452.

Khudadad U, Karbakhsh M, Yau A, Rajabali F, Zheng A, Giles AR, et al. Home injuries in British Columbia: patterns across the deprivation spectrum. *International Journal of Injury Control and Safety Promotion*. 2024;31(4):556–67. doi:10.1080/17457300.2024.2378124.

Liao C, Varcoe C, Brown H, Pike I. Beyond individual factors: a critical ethnographic account of urban residential fire risks, experiences, and responses in single-room occupancy (SRO) housing. *BMC Public Health*. 2024;24(2343). doi:10.1186/s12889-024-19866-z.

Luszwski CA, Plourde V, Sick SR, Galarneau J-M, Eliason PH, Brooks B, Mrazik M, Debert C, Lebrun C, Babul S, Hagel BE, Dukelow S, Schneider KJ, Emery CA, Yeates KO. Psychosocial Factors Associated with Time to Recovery Following Concussion in Adolescent Ice Hockey Players. *Clinical Journal of Sport Medicine*, 2024, 34(3):p 256-265. doi:10.1097/JSM.0000000000001187.

McCulloch E, Macpherson A, Harrington DW, Pike I, Hagel B, Buchan C, et al. Built environment change for injury prevention: insights from public health professionals across public health units in Ontario, Canada. *BMC Public Health*. 2025;25(1). doi:10.1186/s12889-024-21118-z.

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Moore L, Abdeljelil AB, Tardif PA, Zemek R, Reed N, Keith Owen Yeates... Babul S...et al. Clinical Practice Guideline Recommendations in Pediatric Mild Traumatic Brain Injury: A Systematic Review. *Annals of Emergency Medicine*. 2024;83(4):327-39.

Ramsay S, Dahinten VS, Ranger M, Babul S, Saewyc E. Association Between Follow-Up Visit Timing After A Concussion and Subsequent Care Seeking in Children and Youth: A Population-Based Study in British Columbia. *Journal of Head Trauma Rehabilitation*. 2024. doi:10.1097/HTR.0000000000001001.

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Shepherd HA, Galarneau JM, Neill M, Karmali S, Turcotte K, Cowle S, Macpherson A, Reed N, Schneider KJ, Caron JG, Belton KL, Gagnon I, Black AM, Emery CA, Babul S. Concussion Awareness Training Tool for Youth: Impact on concussion-related knowledge, beliefs, and reporting behaviours. *Health Education & Behavior*. 2024. doi:10.1177/10901981241263577.

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Winters M, Fuller D, Cloutier MS, Harris MA, Howard A, Kestens Y, Pike I, et al. Building CapaCITY/É for sustainable transportation: protocol for an implementation science research program in healthy cities. *BMJ Open*. 2024 Mar 27;14(4):e085850-0. doi:10.1136/bmjopen-2024-085850.

Conference Proceedings

Babul S. Increasing Uptake of Evidence-Based Concussion Training and Resources by Canadian Family and Emergency Physicians. Oral presentation at the 17th CTRC Scientific Meeting May 7-8, 2024. Ottawa, Canada.

Babul S. Concussion awareness training tool for medical professionals–A national approach to informing family and emergency physicians. Canadian Traumatic Brain Injury Research Consortium, May 8, 2024, Ottawa, Canada.

Babul S, Karmali S, Turcotte K. Supporting Concussion Recovery Through Integrated Knowledge Translation: Launch of the Updated Concussion Awareness Training Tool (CATT) eLearning Modules and Resources for Parents and Caregivers, Youth, School Professionals, and Medical Professionals. Oral presentation at the International Brain Injury Association's 15th World Congress on Brain Injury, March 19-22, 2025, Montréal, Canada.

Babul S, Turcotte K, Karmali S, Linton V. Updating the Concussion Awareness Training Tool (CATT): translating the expanding concussion evidence into accessible resources. Oral presentation at the ABI 2024: NABIS Conference on Brain Injury, March 27, 2024, Las Vegas, USA. In *Journal of Head Trauma Rehabilitation*, May 31, 2024.

Babul S, Turcotte K, Karmali S, Linton V. Updating the Concussion Awareness Training Tool (CATT): translating the expanding concussion evidence into accessible resources. Oral presentation at the Safety 2024, 15th World Conference on Injury Prevention & Safety Promotion, September 2-4, 2024, Delhi, India.

Bauer M, Pike I. Emergency room practitioners' psychological well-being and pediatric safety perspectives following exposure to patient trauma: Stories from across Canada. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Bauer M, Pike I. 'Fear' as the departure from risky to dangerous play: children's perspectives on injury, safety, and having fun outdoors in low- to mid-income communities. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Bilal H, Ezzat A, Smith B, Bruin S, Pike I, Babul S. Active and Safe Central: Ensuring up-to-date, evidence-based sport and recreation injury prevention knowledge is accessible to all. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Bilal H, Pawlick C, Pike I. Data-driven evidence for reducing residential fire in vulnerable communities through the lens of a Sendai framework: A Rapid Review. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Eliason P, Galarneau JM, Shill I, Kolstad A, Babul S, Mrazik M, Hagel B, Emery C. Risk factors for knee and ankle injuries in adolescent ice hockey players: It is not just about body checking policy. Poster presentation at the OARSI 2024 World Congress on Osteoarthritis, April 18-21, 2024, Vienna, Austria.

Foreman J, Arason N, Oakey M, Bains S, Karbakhsh M, Quiambao K, Copley T, Thorne N, Chatrath J, Sadler J, McKee G, Pike I. Identifying priority areas for public health action to reduce youth suicide and self-harm in British Columbia, Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Jakac R, Randhawa J, Sadler K, Rajabali F, Pike I. Traumatic Head Injury – Child Maltreatment in BC: updating Feldman Criteria for Caseness. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Karbakhsh M, Arason N, Foreman J, Rajabali F, Zheng A, Oakey M, Pike I. Hospitalization trends for intentional self-harm among children and youth in British Columbia. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Karbakhsh M, Khudadad U, Yau A, Rajabali F, Zheng A, Giles A, Pike I. Pattern and neighbourhood deprivation dimensions of hospitalization for unintentional home injuries in British Columbia, Canada, 2015-2019. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Karbakhsh M, Rajabali F, Zheng A, Pike I. Urban-rural disparities in the rate of firearm injuries in British Columbia, Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Karbakhsh M, Zheng A, Rajabali F, Yau A, Pike I. Multiple deprivation and unintentional poisoning in British Columbia, Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Karmali S, Zheng A, Bruin S, Johnston W, Pike I, Makar C. FireSafe: Ignite Awareness, Extinguish Fires: a province-wide initiative to ensure working smoke alarms in every home in British Columbia, Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Liu BC, Champagne AS, Babul S, Ramsay S, Silverberg ND. Social Determinants of Concussion Incidence in Canada. Poster presentation at the International Brain Injury Association's 15th World Congress on Brain Injury, March 19-22, 2025, Montréal, Canada.

McCallum M, Babul S, Holsti L, Virji-Babul N. Closing the Knowledge Gap: Brain Health and Concussions Awareness Among Indigenous Athletes Hockey Players. Oral presentation at the 17th CTRC Scientific Meeting May 7-8, 2024. Ottawa, Canada.

McLeod J, Chavan A, Damji S, Galea L, Babul S, Virji-Babul N. Menstrual cycle phase modulates causal connectivity in the resting-state brain: implications for clinicians and researchers. 13th World Congress for Neurorehabilitation, May 22-25, 2024, Vancouver, Canada.

Pike I, Turcotte K, Al-Hajj S, Smith B, Garis L. Creating a community fire safety and prevention toolkit with the national indigenous fire safety council, Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Pike I, Zheng A, Karmali S, Yau A, Bruin S, Garis L, Makar C. FireSafe: Ignite Awareness, Extinguish Fires: a province-wide initiative to ensure a working smoke alarm in every home in British Columbia, Canada. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Pike I, Zheng A, Nelson B, Karmali S, Rajabali F, Batomen B, Macpherson A, Rothman L. The unintended consequences of COVID-19 stay-at-home policies on unintentional injuries in children and youths (0-19). 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Rajabali F, Smith B, Cowle S, Smith V, Fuselli P, Pike I. Estimating the Canadian health care costs of transport injuries. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Rajabali F, Wong A, Cowle S, Wootton R, Fuselli P, Pike I. Estimating the Canadian costs of poisonings and the cost effectiveness of poison centres. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Rajabali F, Zheng A, Xiao M, Turcotte K, Babul S, Pike I. Creative applications of injury data for public health. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Ramsay S, Dahinten VS, Ranger M, Babul S. Association between timing of concussion follow-up visit and occurrence of residual health outcome: A population-based study. Poster presentation at the Canadian Concussion Network Annual Meeting, May 9-10, 2024, Ottawa, Canada.

Ramsay S, Dahinten VS, Ranger M, Babul S. Association between timing of concussion follow-up visit and occurrence of residual health outcome: A population-based study. Canadian Association of Neuroscience Nurses, May 21-23, 2024, Toronto, Canada.

Ramsay S, Dahinten VS, Ranger M, Babul S. Concussion among children and youth in British Columbia: follow-up visits and health outcomes. International Pediatric Brain Injury Society Conference, September 18-21, 2024, Glasgow, Scotland.

Richmond S, Medeiros A, Zheng A, Macpherson A, Rajabali F, Nelson B, Pike I. COVID-19 policies and inflicted violence injuries among children and youth in Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Sadler K, Rajabali F, Bauer M, Ibrahimova A, Pike I. Development of infant abuse prevention eLearning modules to educate and support parents and caregivers in Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Sadler K, Rajabali F, Zheng A, Pike I. Impact of a universal infant abuse education programme in reducing physical abuse hospitalization rates among children in British Columbia, Canada. 15th World Conference on Injury Prevention and Safety Promotion. September 2-4, 2024. Delhi, India.

Xiao M, Pike I, Oakey M, Karbakhsh M, Zheng A, Quiambao K, Arason N, Thorne N, Foreman J, Copley T. Critical elements of public attitudes and support for speed enforcement in B.C., Canada: results of two province-wide surveys. E2i Research Day 2025, February 25, 2025. Vancouver, BC.

Zubair S, Rothman L, Howard A, Macpherson A, Zanutto M, HubkaRao T, Hagel B, Harris MA, MacArthur C, Saunders N, Cloutier MS, Chevrier T, Pike I, Fuselli P, Batomen K. Analysis of Pedestrian Injury Trends during COVID-19 Pandemic in Four Canadian Cities. CARSP Conference 2024. June 16-19, 2024. Ottawa, Canada.

Invited Presentations

Babul S. Concussions: Are we doing the right thing? University Hospital of Northern British Columbia, 2024.

Babul S. Concussion Jeopardy. BC Children's Hospital Research Institute and Faculty of Medicine, UBC, 2024.

Babul S, Wilson D, Korn P. Concussion Management in Children and Adolescents. Virtual, BC, November 20, 2024.

Babul S. Concussions: Advances in Prevention, Identification, and Treatment. The Whistler Institute, Whistler, BC, April 4, 2024.

Babul S. Canadian Panel Discussion on Concussions in Canada – What is being done and how we can align efforts. 2nd Annual UK Concussion Prevention Network (UK-CPN), Twickenham, UK, April 24, 2024.

Pike I. Writing a Grant to secure CIHR funds to investigate fatal and non-fatal drowning in Canada. Lifesaving Society of Canada, Fall Conference. Montreal, QC. October 25-27, 2024

Pike I. Measuring the cost of fatal and non-fatal drowning in Canada: A proposed methodological approach. Lifesaving Society of Canada, Fall Conference. Montreal, QC. October 25-27, 2024

Pike I. Social Marketing to reduce fatal and non-fatal drowning in Canada: The Preventable approach. Lifesaving Society of Canada, Fall Conference. Montreal, QC. October 25-27, 2024

Pike I. Inflicted Injuries Among Children and Youth During the Pandemic: A Study Across Two Canadian Provinces. Public Health Ontario Grand Rounds. (Virtual). November 14, 2024.

OTHER CONTRIBUTIONS

Dr. Shelina Babul

- Director: BC Injury Research and Prevention Unit
- Chair: BC Concussion Advisory Network (BC CAN)
- Co-Chair: BC Concussion Advisory Network Subcommittee
- Director: BC Brain Waves
- Director: Canadian Hospitals Injury Reporting & Prevention Program (CHIRPP) at BC Children's Hospital
- Media Spokesperson: The Community Against Preventable Injuries
- Member: BC Brain Injury Association Scientific Advisory Committee
- Member: BC Guidelines & Protocols Advisory Committee: Concussions
- Member: BC Injury Prevention Alliance
- Member: BC Injury Prevention Committee
- Member: BC School Sports Sport Medicine & Athlete Safety Committee
- Member: Canadian Academy of Sport and Exercise Medicine
- Member: Canadian Collaborating Centres on Injury Prevention and Control
- Member: Canadian Traumatic Brain Injury Research Consortium
- Member: Interdisciplinary Trauma Network of Canada
- Member: Research Awards Committee, BC Children's Hospital Research Institute
- Member: viaSport Safe Sport Advisory Group
- Member: YWCA/Cridge collaboration - IPV + Concussions
- Member: Toxicovigilance Canada Public Outreach and Communications Working Group

- Member: Canadian Standards Association BC Advisory
- Member: Pediatric Concussion Clinical Practice Guideline consensus committee
- Member: Scientific Advisory Committee for Brain Injury Canada
- Member: International Brain Injury Association
- Member: UK Concussion Injury Prevention Network
- Member: Concussion in Para Sport Group
- Member: Public Health Agency of Canada CHIRPP Executive Advisory Group
- Member: Public Health Agency of Canada Intimate Partner Violence Expert Advisory Committee
- Member: Public Health Association of BC Falls Prevention Advisory Committee

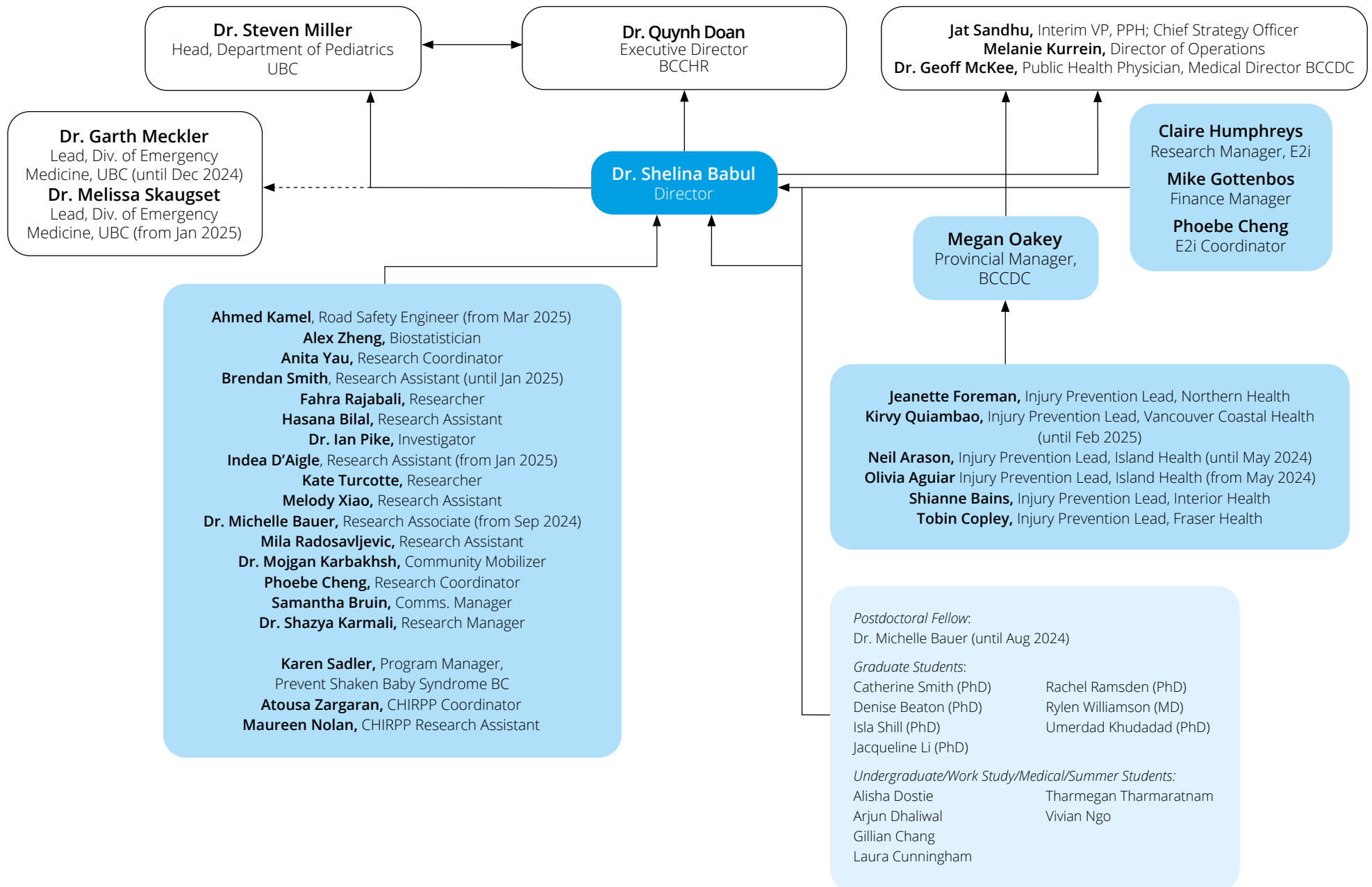
Dr. Ian Pike

- Board Member: The Community Against Preventable Injuries
- Board Member: Parachute Canada
- Co-Executive Director: The Community Against Preventable Injuries
- Investigator, BC Injury Research and Prevention Unit
- Director, BC Shaken Baby Syndrome – Intentional Injury Prevention Program
- Fellow: International Society for Child and Adolescent Injury Prevention
- Media Spokesperson: The Community Against Preventable Injuries
- Member: BC Concussion Advisory Network (BC CAN)
- Member: BC Injury Prevention Alliance

- Member: BC Injury Prevention Committee
- Member: BC Road Safety Strategy Steering Committee
- Member: Canadian Collaborating Centres on Injury Prevention and Control
- Member: Canadian Injury Prevention and Control Curriculum – Revisions Committee
- Member: International Collaborative Effort on Injury Statistics (ICES)
- Member: Research Leadership Council, BC Children’s Hospital Research Institute
- Member: Society for Advancement of Violence and Injury Research (SAVIR)
- Member: BCCHR Research Space Committee
- Member: BCCH Health Bridge (Knowledge Centre)
- Member: BCCH Trauma Committee
- Member: National Toxicovigilance Committee
- Member: Research Committee, Slocan Redevelopment Project
- Research Theme Co-Director: Evidence to Innovation (E2i). BC Children’s Hospital Research Institute
- Governor: Lifesaving Society Canada Governor - Drowning Prevention (starting May 2024)
- Member: LSC member of the International Lifesaving Federation Drowning Prevention Commission (starting May 2024)

ORGANIZATIONAL STRUCTURE

BCIRPU PARTNERS ADVISORY COMMITTEE (2024/2025)



STAFF PHOTOS



Shelina Babul,
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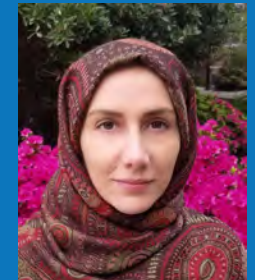
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Shianne Bains,
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Tobin Copley,
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AFFILIATE FACULTY



Mariana Brussoni, BA(Hon), MA, PhD

Professor, Department of Pediatrics and School of Population and Public Health, UBC

Director, Human Early Learning Partnership

Dr. Brussoni is a Professor at UBC, Director of the [Human Early Learning Partnership](#) (HELP), and a founding member of [Outdoor Play Canada](#). She is a developmental psychologist, whose award-winning research focuses on the benefits of unstructured, outdoor play on children's development and addresses the barriers that get in the way of children playing outside. Dr. Brussoni leads the Outside Play Lab, a team of researchers dedicated to studying children's outdoor risky play and injury prevention. She was the recipient of the UBC Faculty of Medicine Service to the University and Community Award (2024), the US Play Coalition's 2024 Joe L. Frost Award for distinguished research, and the inaugural Outdoor Play Canada Dr. Mariana Brussoni Award (2019), named in her honour. Her work has contributed to the recent Position Statement by the Canadian Paediatric Society on the importance of outdoor risky play.

Samar Al-Hajj, PhD

Assistant Research Professor, Faculty of Health Sciences, American University of Beirut

Dr. Hajj is an Assistant Research Professor at the Faculty of Health Sciences at the American University of Beirut. She is the founding Director for Middle East and North Africa Program for Advanced Injury Research (MENA PAIR), an NIH-funded program to advance the science and practice of injury research in Lebanon and the MENA region. Dr. Hajj completed her PhD study under the supervisor of Dr Ian Pike. Currently she lives in Beirut, and leads research projects examining the epidemiology and prevalence of various injury causes, including traffic-related injuries, war-related injuries, drowning, burns, and falls in Lebanon and the MENA region. Dr. Hajj has worked extensively with the refugee community to understand the burden of injuries among vulnerable populations living in humanitarian settings. She is the recipient of several international and regional awards, and was recently nominated for the 2024 Roux Prize.



Photo not
available

Dr. Ediriweera Desapriya

Research Associate, BCIRPU

Dr. Desapriya is a public health researcher. With a career rooted in evidence-based advocacy, his research has informed global policy discussions on nature prescribing, pediatric artificial intelligence (AI) safety, fire injury prevention, and occupational health. Dr. Desapriya is a leading voice in shaping responsible AI deployment in mental health. His recent publications critically examine the overlooked risks of generative AI in pediatric care and algorithmic bias affecting vulnerable populations. He is committed to equity, clinical safety, and system-level change, bridging the gap between emerging technologies and compassionate care. Currently, Dr. Desapriya is conducting research on pediatric neurodevelopmental conditions within the BC Ministry of Children and Family Development, where his work informs policy and service design for children with developmental challenges. He also is an academic editor for a peer-reviewed medical journal within the Wolters Kluwer Lippincott portfolio.

AFFILIATE FACULTY



Allison Ezzat, PT, MSc, PhD

Implementation Scientist, BCIRPU

Clinical Assistant Professor, Department of Physical Therapy, UBC

Dr. Ezzat's research applies implementation science methodologies to advance the primary prevention of knee injuries in adolescents in real-world settings. She has a focus on reducing gender disparity for girls/women in injury risk and decreasing the long-term injury burden (e.g., knee osteoarthritis). She prioritizes meaningful engagement with research users across the research process to maximize impact.

Dr. Ezzat completed her PhD in School of Population and Public Health, UBC in 2019, followed by post-doctoral training at UBC Centre for Health Services and Policy Research and La Trobe University, Melbourne, Australia. She obtained a Graduate Certificate in Implementation Science, University of California. She is a Fellow in the Canadian Academy of Manual and Musculoskeletal Physical Therapists (FCAMPT) and has practiced clinically throughout her academic training specializing in management of knee injuries across the lifespan.

Len Garis

Senior Advisor, Canadian Centre for Justice and Community Safety Statistics, Statistics Canada

Director of Research, National Indigenous Fire Safety Council

Chief Garis is Retired Fire Chief for the City of Surrey. He is currently a Senior Advisor for the Canadian Centre for Justice and Community Safety Statistics at Statistics Canada, Director of Research for the National Indigenous Fire Safety Council. He has academic affiliations with the University of the Fraser Valley and John Jay College in New York.



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