



October 26, 2012

www.childinjuryprevention.ca

AWARDS - We congratulate the following members of our Team:

Nicole Ruest, U of Calgary, has won a Population Health Student award at the Canadian Public Health Agency Annual Conference in Edmonton, July 2012.

Melissa Bell, U of Guelph, has been awarded a CIHR scholarship at the MA level.

Ariel Pulver, Queen's, won a competitive training award from the national CIHR Training Program: Public Health in the Rural and

STAIR C&Y Team Newsletter #3

SPECIAL FOCUS: Current research of the STAIR C&Y Co-investigators

Photo: The *CIHR Team in Child & Youth Injury Prevention* was welcomed by Carolyn Emery during the **3rd annual meeting** held in Calgary/Banff on April 18-20, 2012. The meeting was attended by 42 team members, including 16 trainees.



Co-Investigator Research Completed

Sibling Relationships and Injury

The quality of sibling relationships appears to play a



Agricultural Ecosystem to study the illicit use of prescription medications with a focus on rural adolescents in Canada. One of her analyses being conducted in addition to her thesis work will involve the effect of such behaviours on the occurrence of unintentional injury.

Stephanie Burrows has won a career award from the Fonds de Recherche de Québec - Santé (2012-2016), sub-category: research on health and society. More details to the right under [Research in Progress](#).



Stephanie Burrows

role in risk for child injury at home. **Caroline Piotrowski** knows this because of her study of the quality of sibling relationships compared to the frequency of minor and medically-attended injuries at home in school-aged children.

Eighty-two families were recruited and interviewed in their homes. Parents completed an Injury History Questionnaire for each child which assessed the frequency of minor and medically-attended injuries. Parents and children completed assessments of the quality of the sibling relationship.

It was found that sibling injuries were significantly related. Minor injuries, medically-attended injuries and total injuries (minor and medically-attended combined) were significantly related between siblings for both recent and lifetime injuries. Younger siblings experienced significantly more recent minor injuries on average and more recent total injuries on average than older siblings. Sibling hostility was significantly associated with the frequency of minor injuries for younger siblings, including both recent and lifetime injuries. Sibling hostility was also significantly correlated with the frequency of older sibling medically-attended lifetime injuries.

For the full abstract, please visit www.childinjuryprevention.ca.

Co-Investigator Research in Progress

Motor Vehicle Crash related to socio-economic status and built environment?

A career award from the Fonds de Recherche de Québec - Santé was recently awarded to **Stephanie Burrows** for her research programme entitled *Improving prevention strategies through enhanced use of data: Integrating existing databases to advance understanding of injury and its risk factors*. Her research consists of two projects. First, injuries resulting from motor vehicle collisions will be studied in Montréal in relation to socioeconomic characteristics (e.g. income levels) and built environment features (e.g. road design) of residential neighbourhoods and crash sites. Second, childhood and youth injuries will be tracked for a 20-year period in the province of Québec. The influence of various familial characteristics, perinatal and neighbourhood factors on different types of injury through childhood, adolescence and into early

adulthood will be explored.

Online concussion toolkit for health practitioners



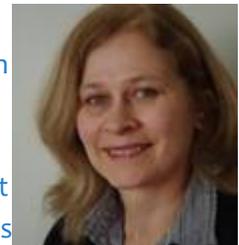
Shelina Babul

Shelina Babul has received funding through BC Children's Hospital Telethon to further her research in concussion treatment and management. The objective of this project is to develop, pilot, evaluate and disseminate the *Online Concussion Toolkit for Health Practitioners* in order to establish standardized practice for the recognition, diagnosis, treatment and management of concussions at the provincial level. This project is based upon previously determined principles regarding concussion diagnosis, treatment and management (Zurich Guidelines), and builds upon Think First Canada resources, thus reducing replication of efforts and demonstrating an efficient use of resources.

The Toolkit will be rolled out provincially, to all physicians and nurses, and will be done in partnership with Child Health BC and the BC Medical Association. The ultimate goal is to improve patient care throughout the province by training practitioners to prescribe physical and mental rest until fully recovered from a concussion.

Assessing fathers' attitudes towards preventing child injuries

This past year, **Lise Olsen** has held a post-doctoral award funded through the Child and Family Research Institute, UBC. In this work, she has focused on analysis of data from a CIHR-funded study (Canadian Fathers' Study) examining the views of fathers about preventing children's injuries. This qualitative analysis builds understanding of how gender and socio-economic context influences fathers' orientations towards child safety and offers insights on development of injury prevention messaging relevant for fathers living in different economic situations.



Lise has also received funding from the BC Children's Hospital Telethon to develop a questionnaire to assess fathers' attitudes towards protecting children from injuries and engaging with physical risks. The steps for questionnaire development included obtaining expert

feedback on questions, cognitive interviews with fathers followed by pilot testing. The next steps involve completing data collection with 300 fathers, conducting factor analysis and comparing attitudes of fathers of injured children and non-injured children. In the future, this questionnaire will be used to assess differences in child injury prevention attitudes between different sub-groups of fathers and between fathers and mothers.

Classroom Booster Seat Intervention (Beth Bruce)

For the full abstract, please visit www.childinjuryprevention.ca.

In an effort to establish a mechanism to influence the use of booster seats among school aged children, a booster seat restraint intervention was given to three classes (one each of grades (1, 2, 3) and compared to a control group of similar students. For the intervention group, a certified car seat specialist and a police officer held an interactive session in the classroom with the children emphasizing the importance and benefits of correct and consistent use of a booster seat. The children's height was measured and they were given a certificate indicating whether they met the requirements for booster seat or seatbelt use. A post-card with car seat restraint specifications was given to each child. Self reported and observation of booster seat use in the school yard pre- and post-intervention was collected at both intervention and control schools. Findings from parking lot observation showed a significant decline in booster seat use at the control school, while at the intervention schools, booster seat use remained stable. The classroom self-reports of booster seat use decreased at the control school, whereas at the intervention school, an increase in booster seat use was reported. Classroom booster seat sessions were easy to conduct, tools easy to use and well received by elementary school children and their teachers. As a result of this study, the research team concluded that these booster seat classroom sessions have potential to positively influence booster seat use among 6-9 year olds. The tools to implement this program can be found on <http://carsafetyandkids.ca/>.



STAIR C&Y Team well represented at 2012

World Conference on Injury Prevention and Safety Promotion

Ian Pike, Alison Macpherson, Carolyn Emery, Brent Hagel, Lise Olsen, Stephanie Burrows, Nicole Ruest, Alana Harrington, and SMARTRISK all had abstracts accepted at Safety 2012 in New Zealand. Well done!



STAIR C&Y TRAINEE TEAM Virtual Seminar Series

Series one: Conflict Resolution in the Trainee Experience took place on Monday September 24, 2012 coordinated by Sarah Richmond. The idea for this session came out of the brainstorming group work at the April 2012 meeting in Banff.

This session, led by Tak Ishikawa (UBC) included common misconceptions around conflict and the negotiation approach to conflict resolution. Nine trainees attended despite technological difficulties.

