CENTRE EXECUTIVE SPONSOR

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Executive Vice-President,
Clinical Programs and Services,
The Hospital for Sick Children

CENTRE CO-DIRECTORS

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Director Chronic Pain Program
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Senior Scientist Research Institute
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Professor, Lawrence S. Bloomberg Faculty of Nursing and
Faculties of Medicine and Dentistry
Director, University of Toronto Centre for the Study of Pain
University of Toronto,

PROGRAM MANAGER

Cara Murphy, MSc, PMP
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EXECUTIVE SUMMARY

Our **VISION** is to be the leading international paediatric centre in pain prevention and treatment.

Our **MISSION** is to prevent and minimize pain for all children in a family-centred care environment by fostering collaboration, excellence, integrity and innovation between interprofessional teams that integrate high quality clinical care, education and research.

Main Achievements 2018 - 2019:

- Developed **10 Online Paediatric Pain Curriculum (OPPC)** open access education modules in Articulate RISE, a technological platform that provides access to online learning through mobile devices. Launch date is expected in 2019.
- Leveraged the **Quality Improvement Plan for Pain (QIP-Pain)** to inform a comprehensive pain strategy as part of Opioid Stewardship at SickKids.
- Led the development of **EPIC content** to ensure pain processes and outcomes are captured to ensure robust data to assist with quality improvement (QI).
- Awarded $50K per year for three years, from the Louise and Alan Edwards Foundation to support **PICH2GO conferences**.
- Awarded $50K per year for three years, from the Louise and Alan Edwards Foundation to support full-time **postdoctoral fellows** pursuing studies in pain in children in Canada.
- Awarded $50K per year for three years, from the Mayday Fund to support international paediatric trainees attend **PICH2GO conferences**.
- Awarded $20K per year for four years from the **Strategy for Patient Oriented Research (SPOR) and Chronic Pain Network (CPN)** towards research initiatives that engage patients and families.
- Hosted a **PICH2GO conference** at SickKids in Toronto - **Moving the Field of Pediatric Pain Forward: From Cells to the Patient**.
- Hosted **Pain Awareness Week**, an educational initiative aimed at supporting health care professionals, patients and their families.
- Launched the **AboutKidsHealth Pain Learning Hub** on the AKH website, for families and children.
- Launched the **Comfort Promise**, a hospital-wide QI initiative aimed at preventing and minimizing needle-poke pain.
- **Partnered with SickKids LI**, through an annual educational event – **Celebrating Education** – to showcase OPPC to approximately 250 attendees.

Main Goals for the Year Ahead:

1. To advance a culture of pain prevention within the context of family-centred care by:
   a. Utilizing EPIC to generate real time reporting of pain to in-patient units as part of the QIP-Pain.
   b. Ensuring pain prevention and treatment remains a priority at SickKids, and is aligned with key initiatives.
   c. Continuing to improve pain clinical and satisfaction outcomes; targeting patients with moderate to severe pain.
   d. Continuing to provide innovative educational platforms for patients and families around pain.

2. To become global leaders in preventing pain by:
   a. Awarding $25K for a postdoctoral fellowship via the Louise and Alan Edwards Foundation.
   b. Awarding up to $25K for a Clinical Improvement, KT or QI project.
   c. Continuing to partner with academic institutions (e.g. **University of Toronto Centre for the Study of Pain** – UTCSP) for pain education initiatives.

3. To enhance KT partnering between the Pain Centre and stakeholders by:
   a. Continuing to engage patients and families in pain prevention initiatives (e.g. Family-Centred Care Advisory Council - FCCAC).
   b. Participating in a Networks of Centres of Excellence (Solutions for Kids in Pain; SKIP) as a hub for knowledge mobilization in pain assessment and management.
   c. Partnering with the SickKids LI to launch the OPPC on an accessible mobile platform.
   d. Coordinating with AKH to promote KT strategies on the new Pain Learning Hub.

4. To leverage existing strategies to enhance partnerships, communication and collaboration with children, families and other stakeholders by:
   a. Increasing engagement among primary care providers with limited training related to paediatric pain assessment and management through a medical education model that reaches distant communities (Project ECHO).

5. To place the Pain Centre on sound, sustainable financial footing by:
   a. Working with the SickKids Foundation to strengthen donor partnerships.
   b. Strategizing on a sustainable funding model to support research, clinical and educational pain initiatives aligned with SickKids priorities.
<table>
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<th>OBJECTIVES</th>
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| To advance a culture of pain prevention within the context of family-centred care. | ✓ Led building of EPIC infrastructure to ensure pain processes and outcomes are captured to ensure robust data to assist with QI.  
✓ Participated in EPIC committees to build and embed an “Opioid Clinical Strategy”.  
✓ Participated in the implementation of the pain bundle from the “Comfort Promise” in the medical surgical inpatient setting at the Hospital for Sick Children.  
✓ Engaged FCCAC to understand what pain topics would be of interest to patients and families to develop an education platform for families around children’s pain.  
✓ Engaged AKH Parent Advisory members in providing feedback on the new AKH Pain Learning Hub content that was launched in February 2019.  
✓ Connected patients and families with local Pain Champions to promote awareness and education about what researchers and clinicians are doing to help kids in pain via Pain Management Coping Clinic and Coping Circus. Approximately 55+ patients attended each event. |
| To become global leaders in preventing pain by integrating excellence in education, research and clinical practices. | ✓ Hosted a PICH2GO conference in Toronto at the Hospital for Sick Children – Moving the Field of Pediatric Pain Forward: From Cells to the Patient.  
✓ Committed $50K via the Louise and Allen Edwards Foundation to support a postdoctoral fellow pursue studies in pain in children.  
✓ Participated in 20 hours of facilitated interdisciplinary learning to 1000+ students from the UTCSP.  
✓ Partnered with the C-BMH for Cross Talk Series (Opioid Crisis – Looking Through a Paediatric Lens), a two-part series.  
✓ Developed the OPPC modules into an accessible mobile platform – Articulate RISE - to broaden access to this educational resource. Launch date is expected in 2019. |
| To enhance KT partnering between the Pain Centre and stakeholders. | ✓ Partnered with Solutions for Kids in Pain (SKIP), through a Networks of Centres of Excellence grant, to initiate a pan-Canadian KT effort.  
✓ Updated content on the AKH Pain Learning Hub in consultation with 25 pain subject matter experts and Parent Advisory members.  
✓ Partnered with SickKids LI, through an annual educational event – Celebrating Education - where we showcased our OPPC to approximately 250 attendees. |
| To leverage existing strategies to enhance partnerships, communication and collaboration with stakeholders. | ✓ Explored targets for new patient pain satisfaction survey with QRM.  
✓ Received funding from the Ministry of Health and Long-term Care for a Paediatric ECHO where chronic pain in children is a substantial component.  
✓ Increased access to the Chronic Pain Program at both SickKids and Holland Bloorview Kids Rehabilitation Hospital (HBKRH) for children with chronic pain. |
| To place the Pain Centre on a sound, sustainable financial footing. | ✓ Explored novel means of raising funds for the Centre via the SickKids Foundation.  
✓ Secured $50K per year for three years to support PICH2GO conferences (Louise and Alan Edwards Foundation).  
✓ Secured $50K per year for three years to support full-time post-doctoral fellows pursue pain in children (Louise and Alan Edwards Foundation).  
✓ Secured $50K per year for three years to support international trainees attend PICH2GO conferences (Mayday Fund).  
✓ Secured $20K for four years to support patient engagement in PICH (SPOR/Canadian Pain Network). |
MEMBERSHIP AND INTEGRATION

Membership
The Pain Centre membership is comprised of approximately 500+ individuals from (i) the clinical departments of Anaesthesia and Pain Medicine, Nursing, Psychology, Pharmacy, Dentistry, Child Life and Rehabilitation Services, (ii) the Learning Institute and (iii) Child Health Evaluative Sciences and Neurosciences and Mental Health in the Research Institute. The Centre’s Co-Director is Co-Chair for the newly developed Canadian Pain Task Force. Membership in the Pain Centre also includes clinical staff (e.g. QI leaders, Acute & Chronic Pain Service members); educators; researchers; trainees from undergraduates to postdoctoral fellows; national and international PICH faculty and trainees and staff members from Emily’s House.

New Collaborations/Initiatives within the Centre

Solution for Kids in Pain (SKIP)
SKIP is a national knowledge mobilization network, whose mission is to improve pain prevention and children’s pain management by mobilizing evidence-based solutions through coordination and collaboration. SKIP is comprised of 48 health institutions, 4 regional hubs, and 100+ Canadian and international partners. SKIP is financially supported through the Networks of Centres of Excellence with funding of $1.6M over four years – until 2022. The Pain Centre will partner with SKIP as a hub and will match this grant with $50K per year for four years. Funds will be used to employ a knowledge mobilization specialist to carry out the mandate of SKIP (Appendix B).

Comfort Promise
The Comfort Promise is a bundle of four evidence-based strategies to minimize needle poke pain that will eventually be offered to all children and families at SickKids. Development of the bundle was supported by a Mayday funded research collaboration between Children’s Minnesota and SickKids. The pilot was completed in 2018, and hospital-wide roll-out for in-patient and ambulatory units will be completed in 2019.

Progress on existing collaborative initiatives

Pain in Child Health (PICH)
PICH is a transdisciplinary, international research training consortium that was funded from 2002-2018 as a CIHR Strategic Training Initiative in Health Research (STIHR), with contributions from partners (i.e. Louise and Alan Edwards Foundation and the Mayday Fund) and the founding participation of five Canadian universities (Dr. Stevens, Nominated PI). In the spring of 2016, PICH was integrated into the Pain Centre at SickKids. The goal of PICH is to create a community of scholars in paediatric pain to improve child health outcomes. As of March 2019, 330 national and international trainees were members of PICH. There were 47 national and international faculty members. A summary of PICH activities is included in (Appendix C).

About Kids Health (AKH) – Pain Learning Hub
Over the last year, the Pain Centre has worked with 25 pain subject matter experts, members of the Parent Advisory Council and AKH to provide an evidence-based overhaul to this important resource for children and families, and health care professionals (last updated 2009). The content contains information on both acute and chronic pain assessment and management based on the age and stage of the child. The content was launched in February 2019 on the AKH website. In 2019 we will promote the dissemination of the AKH Pain Learning Hub.

Strategy for Patient Oriented Research (SPOR)
The SPOR Chronic Pain Network (CPN) is a matched $25M five year initiative funded by CIHR. SickKids Co-Investigators (Stinson, Stevens) and collaborators (Salter, Prescott) have designated research funds for matching
(totalling over $1M per year for 5 years) to further basic and clinical science in chronic pain across the ages as well as training and mentoring initiatives including partnered educational events (PICH2GO). In 2018, SPOR/CPN funds partially supported ($20K) the PICH2GO event at SickKids. The department of Anaesthesia and Pain Medicine has designated matched funds ($50K/ year for 5 years) to participate in the CPN clinical trial network to answer important clinical questions. This funding links SickKids with partners from across Canada and addresses the highly relevant problem of chronic pain.

**Chronic Pain Program at SickKids**

Partnering with the MOHLTC has led to significant funding for the chronic pain programs at both SickKids and Holland Bloorview Kids Rehabilitation Hospital. This ongoing partnership will target 52 patients per year for the province. This program focuses on an intensive program for children refractory to normal outpatient clinics and who might be candidates for US programs. This program offers considerable financial savings to the Ontario government, some of which will be rerouted back to SickKids for further research and treatment of paediatric patients with persistent chronic pain.

**University of Toronto Centre for the Study of Pain (UTCSP)**

Ongoing partnership with the UTCSP includes co-sponsoring of the Annual Scientific Meetings, Seminar Series and participation of many health care professionals in the annual Interfaculty Pain Curriculum (IPC) that, in 2018-19 offered 20 hours of interdisciplinary learning to ~1000 prelicensure students from the Faculties of Dentistry, Medicine, Nursing, and Pharmacy. A summary of the activities developed in part by Pain Centre members can be found in (Appendix D). A key contribution to the IPC from SickKids was the inclusion of two newly developed self-study modules on the Pharmacology of Opioids (led by Fiona Campbell) and Pain Mechanisms and Manifestations.

**MANAGEMENT OF CENTRE / CENTRE LEADERSHIP AND FINANCIALS**

**Governance**

Drs Bonnie Stevens and Fiona Campbell are Co-Directors of the Pain Centre. This leadership represents the two primary departments sponsoring the Pain Centre - Nursing, and Anaesthesia and Pain Medicine. The governance structure has evolved to best reflect the strategic priorities and objectives of the Pain Centre as they align with the strategic directions of the hospital (Appendix E).

The Co-Directors report to the Executive Sponsor and are supported by the Executive Committee, comprised of leaders and pain experts who are responsible for strategic direction and priority setting. Four Standing Committees (Clinical, Research/ KT, Education, and PICH) address specific strategies for improving pain outcomes for children. The Co-Directors are supported by the Pain Centre Manager.

As of January 2018, the Pain Centre was appointed a new Executive Sponsor – Marilyn Monk. In the same year, a new Program Manager - Cara Murphy - replaced the previous Program Manager. The subcommittees are co-chaired by individuals highly engaged in pain in children at SickKids. PICH is led by an international transdisciplinary management team.

We are in the process of including a patient or family member as part of our Executive Committee in line with engaging patients and families in research, education and clinical initiatives for the Centre.

**Financial Performance (2018-19)**

The Pain Centre’s financial performance for the past year can be found in (Appendix F). Approved research priorities which align with the strategic directions of the Pain Centre are presented to the SickKids Foundation to guide funding effort and initiatives.
KNOWLEDGE GENERATION/TRANSLATION

Centres Impact on Improved Clinical Care

QIP-Pain

The QIP-Pain was on hold during 2018 - 2019 given the implementation of EPIC and will be resumed in 2019 - 2020. The Pain Centre members were instrumental in developing pain items and measures for inclusion within EPIC, and are currently working with EPIC leaders to develop tailored pain metrics to inform the next generation of reports as part of our QIP-Pain.

Policies and Clinical Practice Guidelines (CPG) Updates

The Pain Assessment Policy and Pain Management CPG were updated in 2017. By ensuring timely pain assessment and preventing and minimizing pain by utilizing interventions outlined in the CPG, we have had a significant impact on clinical pain outcomes for children; reflected in child and family satisfaction scores, across hospital settings. Our initial target audience has been the inpatient population.

Data on patient satisfaction is collected on an ongoing basis. Three longitudinal patient surveys are administered by NRC Health as part of the Hospital’s overall strategy for quality improvement. The surveys are mailed to a random sample of patients upon inpatient discharge, or following an ED or clinic visit.

Data collected on inpatient units in 2018 – 2019 reveal that 76% of respondents reported that SickKids staff asked about the child’s pain, 72% of respondents perceived that their child’s pain was well controlled and 83% perceived that hospital staff did everything they could to help with the child’s pain. Results from this survey indicate sustained positive results for pain management and assessment (Appendix G).

Comfort Promise

SickKids is part of a multi-site QI initiative aimed at implementing a needle poke pain prevention bundle. Led by the Children’s Minnesota, site partners from Children’s Hospital Atlanta, Montreal Children’s and Children’s Mercy Kansas have launched the bundle in the medical surgical inpatient setting. The overall aim of this quality improvement initiative is to implement a pain prevention bundle including: (1) numbing the skin, (2) sucrose or breastfeeding in infants, (3) comfort positioning, and (4) distraction for needle pokes related to injection, venipuncture, and intravenous access. The bundle will give clinicians an evidence-based approach in reducing pain using LEAN process improvement methodology.

Extension for Community Healthcare Outcomes (ECHO); Paediatric Pain Project

The Pain Centre leadership is leading on an ongoing collaboration with the MOHLTC funded Chronic Pain ECHO project. ECHO aims to build capacity in the community by “moving knowledge not patents” and by sharing best practices, facilitating case-based learning, and establishing a supportive community of practice for pain. The focus for the past year was to increase engagement among primary care providers with limited training related to paediatric pain assessment and management (Appendix H).

Since October 2017, Paediatric Project ECHO has recruited over 850 participants. Disciplines represented are physicians, nurses, and allied health care professionals. Geographically, the distribution of participants includes representation across all 14 Local Health Integration Networks (LHINs). Of those surveyed across all Paediatric ECHO specialties, participants demonstrated increases in knowledge for 88% of curriculum topics and increases in self-efficacy for 97% of curriculum skills.

Pain Awareness Week (PAW)

PAW is an annual internationally celebrated event held in November. Themes for each year align with those of the International Association for the Study of Pain (IASP). In 2018, the theme
for PAW was Pain Education. We support educational activities for health care professionals, patients and their families. Members of the Pain Centre are invited to provide educational opportunities as lunch and learn seminars, huddle board education sessions, cross talks, workshops or conferences. Each year, a broad representation of health care professionals within and external to the institution attend these well-received sessions. Up to 60 children and families participated in interactive and engaging events such as the Mini Coping Clinics where Child Life Specialists teach children and their parents about pain management in a child friendly environment. (Appendix I).

**Pain in Child Health 2 Go (PICH2GO)**

PICH2GO is a series of educational and networking events co-hosted by PICH and local children’s hospitals across Canada to synergize with the advocacy of a local hospital organizing group. The goal of PICH2GO is to target a broader spectrum of stakeholders to engage, empower, and educate patients, families, trainees, clinicians, researchers, policy makers, and community members. PICH2GO is a unique 1-2 day event focused on topics relevant to communities who work with children in pain. The faculty aim to break down practice silos among pain professionals, researchers and community members. In 2018, PICH co-hosted with SickKids and a PICH2GO event was held at the PGCRL. One hundred and eighteen registrants including national and international trainees and faculty attended the event (Appendix J).

**Online Paediatric Pain Curriculum (OPPC)**

The development of this international educational initiative, OPPC, has been led by the Pain Centre with funding support from national and international partners. The goal is to provide a broad education platform for health care professionals to learn about pain within clinical practice, basic and clinical science, and ethical themes.

Since the launch of the 10 OPPC modules on the Pain Centre website, 8000+ viewers have accessed the Pain Centre website and 5000 viewers have accessed the modules (Appendix K).

In the past year, the OPPC modules were developed in Articulate RISE, a technological platform that will enable mobile access to the modules. The launch date for the modules is expected in August, 2019.

The OPPC has been integrated into various education platforms including the Nursing undergraduate program at the University of Toronto and through SickKids International assignments (e.g. Tianjin, China). In the future, we will integrate the OPPC modules into other curricula or pain resource websites (e.g. Nursing Orientation at SickKids) and translate the modules to broaden their impact and reach. A list of the 10 modules can be found in (Appendix L).

**Cross-collaborations with other Centres**

**Cross Talks - Opioid Crisis – Looking Through a Paediatric Lens**

In collaboration with the Centre for Brain and Mental Health, a two-part series on the opioid crisis was presented by internal and external speakers. The first talk defined the opioid crisis and its impact on children. Over 100 multi-professional attendees were part of this cross talk and their feedback further informed the agenda for the second talk which looked at the potential solutions to the opioid crisis in April 2018 (Appendix M).

In the year ahead, the Pain Centre will consider partnering with other Centres at SickKids to offer a Restracomp fellowship as well as Seed Grant funding for Clinical, Research/KT and QI initiatives.

**Basic, translational, clinical and population research on scientific knowledge base**

In 2018, PICH awarded $50K to support a full-time postdoctoral fellow pursue research in pain
in children from the *Louise and Alan Edwards Foundation*.

In the same year, the Pain Centre continued to support Dr. Lisa Isaac’s study on the “A pilot study of lidocaine infusions for the management of chronic pain in children” through an extension on Seed Grant Funding.

In the year ahead, the Pain Centre will commit $25K in Seed Grant funding to support a new Clinical, Research/KT, or QI initiative.

**MISSION REMINDER**

Our in-patient satisfaction survey that was administered by NRC Health includes quotes from parents of patients and their perspective on pain management and assessment (*Appendix N*).

**FUTURE PLANS**

**Challenges from the last year**

The Pain Centre has enjoyed a great deal of success over the last year; however, there were some challenges. Although we received new funding from the Louise and Alan Edwards Foundation and the Mayday Fund, these funds are restricted to training and education initiatives. The Pain Centre is limited in its potential growth and expansion in research, QI and clinical initiatives.

Silos between basic, clinical and KT researchers remain. Initiatives such as seed grant, KT competitions and cross talks are beginning to break down these barriers. In addition, new collaborations with PICH and the SPOR Chronic Pain Network and the Research Education and Clinical Hub (REACH) platform afford new opportunities for integration and growth.

The Pain Centre is represented by a diversity of disciplines and departments, however, representation from families and children is lacking. The Pain Centre’s aim is to expand membership significantly and include a broader range of stakeholders including children and families.

**Objectives and Goals for 2019 - 2020**

A detailed breakdown of the Pain Centre’s Objectives and Goals for 2019 - 2020 in alignment with SickKids Strategic Plan can be found in the appendix (*Appendix O*).

**Long-term goals and sustainability plan for the next 3-5 years**

The Pain Centre’s long term goals will centre on our aim of preventing and minimizing pain for all children. Our partnership with SKIP will afford us opportunities through a concerted effort towards new and novel knowledge mobilization methods.

We are optimistic that the implementation of EPIC will provide robust data to help develop targeted strategies for units and patient groups that have a high proportion of patients experiencing significant pain.

With the new integration of PICH into the Centre, we will continue to strengthen research capacity and improve paediatric pain practice by training and mentoring new generations of pain researchers and introducing novel training activities.

We will continue to build on the success of the OPPC modules by translating these and AKH educational pain resources into other languages to maximize our reach. We will also broaden reach of the OPPC modules by offering them on mobile devices.

By engaging current partners and sourcing new partnerships, we will ensure the sustainability of Pain Centre activities. We will engage patients and families to inform our activities. Replicating our successful partnership with GFCC in addressing the problem of pain in cancer and using this as a model with other Centres will provide opportunities to contextualize pain themes with other diseases and conditions. It will be important to ensure financial sustainability of the Centre by using current donor dollars in effective and impactful activities and to continually source new funding opportunities and model.
5000+
Learners accessing the Online Paediatric Pain Curriculum

326
PICH Trainees
47
PICH Faculty

$20K
Matched funding from SPOR/CPN over four years for patient engagement initiatives

$50K
Per year for three years to support a postdoctoral fellowship

$50K
Per year for three years to support PICH trainees attend PICH2GO conferences

$50K
Per year for three years to support PICH2GO conferences

11+Partnerships
Internal - AKH, SickKids Centres, SickKids LI,
External – Canadian Pain Task Force, Children’s Minnesota,
Louise and Alan Edwards Foundation, Mayday Fund,
MOHLTC, SKIP, SPOR, UTCSP
APPENDIX B – SOLUTIONS FOR KIDS IN PAIN (SKIP) INFOGRAPHIC

The Problem
Canada is a world leader in children’s pain research... but this knowledge isn’t being put into practice.

Patients
7% of children in hospital experience painful procedures without any pain management

Caregivers
75% of parents say they don’t know how to manage their children’s pain

Health Professionals
Veterinarians get 5x more training in pain than people doctors do

Administrators & Policy Makers
Only 2 Canadian health institutions have made a certified commitment to pain management

Children suffer undertreated and preventable pain that leads to many immediate and long-term problems.

Our Vision
Healthier Canadians through better pain management for children.

The Solution
SKIP’s mission is to improve children’s pain management by mobilizing evidence-based solutions through coordination and collaboration.

48 Health Institutions
4 Regional Hubs

100+ Canadian & International Partners

Beneficiaries

Patients & Caregivers

SKIP’s Activities

Knowledge Brokers & SKIP Regional Hubs
Children’s Health Care Canada Member Organizations

Patient Engaged Co-creation

Readiness, Resources & Evidence

Tool Production & Promotion

Facilitation of Change

Awareness & Urgency

SKIP’s Outcome
To improve children’s pain management in Canadian health institutions.

SKIP’s Impact
Less suffering for children and families
Less avoidance of necessary healthcare
Lower risk of addiction and chronic pain in adulthood
Less financial burden on people & the health system
Canada is the leader in use of knowledge about children’s pain

$7 million + program funding over 4 years
APPENDIX C – PICH INFOGRAPHIC

Changing the way we care for children in pain.

The Pain in Child Health program is an interdisciplinary community of researchers focused on cultivating new talent and promoting new discoveries in the field of childhood pain. Our goal is to make a lasting international impact on children’s pain, benefiting children’s health, their families, and their futures.

www.sickkids.ca/PICH

Healthy children receive up to 20 vaccine injections before the age of 6.
Children in hospitals average 6 painful procedures every day.
Canadian children have chronic pain.
1 in 4
1 in 20
2/3
$60 Billion

Cost to society from adults who suffer pain.

IMPACT 2002-18

303 Trainees

40% PhD Students
3% Undergrad Students
15% Post-doctoral Fellows
29% Masters Students
3% Professional Degree

Disciplines
Psychology
Nursing
Medicine
Pharmacology
Neuroscience
Anaesthesiology
Interdisciplinary
Anthropology

Computer Science
Education
Engineering
Epidemiology
Kinesiology
Occupational Therapy
Physics
Veterinary

Training Activities
International Trainees
101
Publications
1079

Research network across 17 countries

Financial support has been provided by:
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<th>SESSIONS</th>
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<td><strong>Monday, March 18, 2019</strong></td>
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<tr>
<td>8:30am-9:30am</td>
<td>Pain: Mechanisms and Manifestations Quercus</td>
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<tr>
<td>9:30am-12:30pm</td>
<td>Introduction: Patient Panel, Interprofessional Panel</td>
</tr>
<tr>
<td>12:30pm-1:30pm</td>
<td>Break</td>
</tr>
<tr>
<td>1:30pm-4:30pm</td>
<td>Profession Specific Perspectives</td>
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<tr>
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<td>Break</td>
</tr>
<tr>
<td>1:00pm-4:00pm</td>
<td>Facilitated Interprofessional Teams</td>
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<tr>
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<td>CASE: Acute Pain Assessment of a person with acute pain</td>
</tr>
<tr>
<td>4:00pm-5:00pm</td>
<td>Teams meet independently</td>
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<td>CASE: Acute Pain Management</td>
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<tr>
<td>8:30am-9:30am</td>
<td>Opioids as a Component of Pain Management, an Interprofessional Responsibility Quercus</td>
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<td>9:30am-12:00pm</td>
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<td>CASE: Persistent Pain Management</td>
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<td>12:00pm-1:00pm</td>
<td>Break</td>
</tr>
<tr>
<td>1:00pm-4:00pm</td>
<td>Facilitated Interprofessional Teams</td>
</tr>
<tr>
<td></td>
<td>CASE: Persistent Pain Management for a person with persistent pain</td>
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UTCSP – SickKids Partnership Report

The University of Toronto Centre for the Study of Pain (UTCSP) aims to create and disseminate knowledge on pain and inform clinical excellence through interdisciplinary collaboration. Its work is defined in the following areas: research, education, knowledge translation, and networks, collaboration and partnerships.

Out of UTCSP Committees and Subcommittees (Executive, Education, Research, Knowledge Translation) the following experts from SickKids serve on the committees:

<table>
<thead>
<tr>
<th>UTCSP Committee</th>
<th>Members from SickKids</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Committee</td>
<td>Bonnie Stevens – Chair Mariana Bueno</td>
</tr>
<tr>
<td>Research Subcommittee</td>
<td>Kathryn Birnie (trainee member) Steven Prescott Jennifer Stinson</td>
</tr>
<tr>
<td>Knowledge Translation Subcommittee</td>
<td>Mariana Bueno (co-chair) Katherine Halievski</td>
</tr>
</tbody>
</table>

Interfaculty Pain Curriculum

The UTCSP — Interfaculty Pain Curriculum (UTCSP-IPC) is a 20-hour integrated, interdisciplinary, pain curriculum for pre-licensure health science students. The UTCSP-IPC was developed to address current information, misbeliefs, and gaps in pain education and to provide students in the health professions an opportunity to learn with, from, and about each other. The Curriculum depends on expert clinicians, scientists and educators to produce the highest quality learning experience for over 1000 students.

In 2019, we had 1014 participating students from seven disciplines: Dentistry, Medicine, Nursing, Pharmacy, Physical Therapy, Physician Assistant Program and Occupational Therapy. They participated together in large multi-professional sessions and small, interprofessional case-based group sessions.

The UTCSP-IPC has multiple components: 2 online self-learning modules, a Patient Panel and Interprofessional Panel session, a number of 7 Concurrent Sessions offered at the same time, and interprofessional small teams’ sessions.

10 experts in pain from SickKids Hospital have participated in 2018 IPC; some of the experts have participated in more than one IPC component.
**Pain Mechanisms and Manifestations Online Module**

The self-learning online module on pain mechanisms and manifestations was revised and updated this year by a number of 10 experts from 6 participation faculties. Three out of eight pain experts were from the Hospital for Sick Children.

<table>
<thead>
<tr>
<th>Key Content</th>
<th>Experts from SickKids</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Pain definition and mechanisms</td>
<td>Fiona Campbell, BSc, MD, FRCA</td>
</tr>
<tr>
<td>- Mechanisms of nociception</td>
<td>Steve Prescott, MD, PhD</td>
</tr>
<tr>
<td>- Pain manifestations</td>
<td>Bonnie Stevens, RN, PhD</td>
</tr>
<tr>
<td>- Case examples for rheumatoid arthritis, peripheral diabetic neuropathy,</td>
<td></td>
</tr>
<tr>
<td>cancer pain</td>
<td></td>
</tr>
<tr>
<td>- Quizzes with feedback for learning opportunities</td>
<td></td>
</tr>
</tbody>
</table>

**Opioids as a Component of Pain Management, an Interprofessional Responsibility Online Module**

Under Dr. Fiona Campbell’s leadership, the online self-learning module on opioids was revised and updated in 2018-19 by a panel of 6 experts from the 5 participating faculties. A number of three experts from the Hospital for Sick Children contributed to the revised version.

<table>
<thead>
<tr>
<th>Key Content</th>
<th>Experts from SickKids</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Controversies that exist in the use of opioids for pain management</td>
<td>Fiona Campbell, BSc, MD, FRCA - Editor</td>
</tr>
<tr>
<td>including the risks and benefits</td>
<td>Giulia Mesaroli, BASc, MScPT</td>
</tr>
<tr>
<td>- Pharmacological, psychological, and physical interventions for pain</td>
<td>Jennifer Tyrrell, RN, MN</td>
</tr>
<tr>
<td>management with focus on the interprofessional approach</td>
<td></td>
</tr>
<tr>
<td>toward patient-centred care</td>
<td></td>
</tr>
<tr>
<td>- The learner is interactively engaged through questions along the module</td>
<td></td>
</tr>
<tr>
<td>receiving immediate feedback for correct/incorrect response</td>
<td></td>
</tr>
</tbody>
</table>

**Concurrent Sessions**

A total of 7 concurrent sessions were offered twice on Tuesday, March 19, 2019 from 8:30am to 11:30am to enable students to attend more than one session. One of the concurrent session was offered by Dr. Fiona Campbell along with two co-presenters.
<table>
<thead>
<tr>
<th>Session</th>
<th>Objectives</th>
<th>Expert from SickKids</th>
</tr>
</thead>
</table>
| The Opioid Crisis in Canada | 1. Discuss the genesis and evolution of the North American opioid crisis  
2. Discuss how chronic opioid therapy can harm more than help patients with chronic pain, sometimes in ways that are not apparent to patients or their clinicians  
3. Describe why and when chronic opioid therapy can be appropriate for people with chronic pain  
4. Explain how to approach prescribing opioids - balancing risk and benefit.  
5. Define and practice opioid stewardship | Dr. Fiona Campbell |

**Facilitators**

Another key-component of the IPC was the facilitated interdisciplinary pain assessment and management plans development by small, interprofessional groups of students. Facilitation involved 6 hours of direct student contact time from 1:00 to 4:00pm on Tuesday, March 19 and on Wednesday, March 20, 2019; also, additional 3 hours of formal facilitator training and preparation time prior to the IPC was required.

A number of 5 pain specialists from SickKids Hospital participated in the interprofessional small group sessions facilitating small groups of students:

- Anne Ayling, BSc PT, BSc PHE
- Mariana Bueno, PhD
- Jo-Anne Marcuz, MScPT, BSc
- Lori Palozzi, BScN, MScN, ACNP
- Louise Rudden, NP Pediatrics
APPENDIX E – PAIN CENTRE ORGANIZATIONAL STRUCTURE

ORGANIZATIONAL STRUCTURE 2018-19

Executive Sponsor
Marilyn Monk

Co-Directors
Dr. Fiona Campbell
Dr. Bonnie Stevens

Executive Committee

Clinical Sub-Committee
Research Sub-Committee
Education Sub-Committee
PICH Sub-Committee

PICH Advisory
PICH National Collaborators

PICH Advisory: Drs. Christina Chambers, Kenneth Craig, Calado Johnston, and Allan Finlay
PICH National Collaborators: Drs. Krista Beerg, Marsha Campbell-Yeo, Ran Goldman, Sylvie Le May, Meghan McMurtry, Tuan Trang,
Rocio de la Vega (trainee), Shokoufeh Modanloo (trainee)
How often was your child’s pain well controlled? Scores for “Always & Usually”

<table>
<thead>
<tr>
<th>Question</th>
<th>NRC Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPES: Pain well controlled</td>
<td>93.9% n-size: 1,305</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>FY 2016-17</th>
<th>FY 2017-18</th>
<th>FY 2018-19</th>
<th>FY 2016-17 - FY 2018-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPES: Pain well controlled</td>
<td>95.9% n-size: 441</td>
<td>94.8% n-size: 368</td>
<td>96.7% n-size: 299</td>
<td>95.8% n-size: 1,108</td>
</tr>
</tbody>
</table>
Patients need access to specialty care for their complex health conditions

There aren't enough specialists to treat everyone who needs specialty care, especially in rural and underserved communities

Paediatric Project ECHO aims to provide mentorship and collaboration with clinicians and multidisciplinary teams on how to provide specialty care

More patients get the right care, at the right time, resulting in improved outcomes and reduced costs
## APPENDIX I - PAIN AWARENESS WEEK AGENDA 2018

### Pain Awareness Week
November 12 – 16, 2018

<table>
<thead>
<tr>
<th>MONDAY NOV 12th</th>
<th>TUESDAY NOV 13th</th>
<th>WEDNESDAY NOV 14th</th>
<th>THURSDAY NOV 15th</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PATIENT AND FAMILY EVENT</strong></td>
<td><strong>STAFF EVENT</strong></td>
<td><strong>PATIENT, FAMILY &amp; STAFF EVENT</strong></td>
<td><strong>PATIENT, FAMILY &amp; STAFF EVENT</strong></td>
</tr>
<tr>
<td><strong>Coping Circus</strong></td>
<td><strong>PICH2GO Conference</strong></td>
<td><strong>“What I wish you knew about my pain...”</strong></td>
<td><strong>“What I wish you knew about my pain...”</strong></td>
</tr>
<tr>
<td><strong>Mind/Body Clinic</strong></td>
<td>Moving the field of pediatric pain forward: from cells to the patient</td>
<td>11am – 2pm&lt;br&gt;Garden Patio (Atrium)</td>
<td>11am – 2pm&lt;br&gt;Garden Patio (Atrium)</td>
</tr>
<tr>
<td>11am – 1pm&lt;br&gt;Garden Patio (Atrium)</td>
<td>7:45am – 4:30pm&lt;br&gt;PGRCL Auditorium</td>
<td>All staff welcome!&lt;br&gt;Register at <a href="http://www.cuent.com/events/moving-the-field-of-pediatric-pain-forward-from-cells-to-the-patient/eventSummary/mary-9e5d6bb2ca428a95cf47f8779b520.asp">http://www.cuent.com/events/moving-the-field-of-pediatric-pain-forward-from-cells-to-the-patient/eventSummary/mary-9e5d6bb2ca428a95cf47f8779b520.asp</a></td>
<td>All staff welcome!&lt;br&gt;Interactive patient/family art exhibit and craft table&lt;br&gt;Learn about our Pain Services</td>
</tr>
<tr>
<td>All patients and families welcome!</td>
<td><strong>Lunch &amp; Learn</strong>&lt;br&gt;Chronic Pain and Working with Families&lt;br&gt;Adam Brotherwood, MSW, RSW&lt;br&gt;Clinical Social Worker, Chronic Pain</td>
<td>• Interactive patient/family art exhibit and craft table&lt;br&gt;• Learn about our Pain Services&lt;br&gt;11am – 2pm&lt;br&gt;Garden Patio (Atrium)</td>
<td>• Interactive patient/family art exhibit and craft table&lt;br&gt;• Learn about our Pain Services&lt;br&gt;11am – 2pm&lt;br&gt;Garden Patio (Atrium)</td>
</tr>
<tr>
<td><strong>STAFF EVENT</strong></td>
<td><strong>STAFF EVENT</strong></td>
<td><strong>MONDAY TO FRIDAY</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Lunch &amp; Learn</strong>&lt;br&gt;Get Up and Go Persistent Pediatric Pain Service: Development of an Intensive Pain Program at Holland Bloorview</td>
<td><strong>Lunch &amp; Learn</strong>&lt;br&gt;Pain Huddles&lt;br&gt;Trivia and Pain Q&amp;A by the Pain Service APNs&lt;br&gt;Unit Based&lt;br&gt;Prizes to be won!</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>12pm – 1pm&lt;br&gt;Room 5704</strong></td>
<td><strong>1pm – 2pm&lt;br&gt;Room 7704</strong></td>
<td><strong>Pain Huddles</strong>&lt;br&gt;Trivia and Pain Q&amp;A by the Pain Service APNs&lt;br&gt;Unit Based&lt;br&gt;Prizes to be won!</td>
<td></td>
</tr>
<tr>
<td>Pizza lunch provided!</td>
<td>Pizza lunch provided!</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# APPENDIX J - PICH2GO AGENDA 2018

## Moving the Field of Pediatric Pain Forward: From Cells to the Patient

November 12-13th, 2018  
Peter Gilgan Centre for Research and Learning (PGCRL)  
Hospital for Sick Children

### DAY 1 - PICH2GO Trainees & Faculty

#### Monday November 12th, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
</table>
| 11:00-13:00| Coping Circus /Mind-body Clinic            | Garden Patio - SickKids Atrium  
Moderated by:  
Dr. Sara Ahola Kohut  
Dr. Danielle Ruskin |
| 17:00-20:00| Imaging for ‘Dummies’  
Drs. Karen Davis, Massieh Moayedi and Fadel Zeidan  
Networking Dinner | PGCRL - Gallery  
Moderated by:  
Dr. Sylvie Le May  
Dr. Marsha Campbell-Yeo  
Dr. Rebecca Pillai Riddell |

### DAY 2 - Open to all

#### Tuesday November 13th, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
</table>
| 7:45-8:30  | Registration & Poster Set-Up  
PGCRL - 2nd Floor Open Space | *Continental Breakfast will be available* |
| 8:30-8:45  | Welcome and Opening Remarks               | Welcome  
Dr. Bonnie Stevens |
| 8:45-9:30  | Keynote 1  
Introduction: Dr. Tuan Trang | Future of Basic Science in Pediatric Pain  
Dr. Mike Salter |
| 9:30-10:00 | Session 1  
Moderator:  
Dr. Marsha Campbell-Yeo | Vaccine Hesitancy and Pediatric Pain and Fear  
Dr. Anna Taddio |
| 10:00-10:45| Nutrition Break/Poster Viewing  
PGCRL – Gallery | |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Topic</th>
<th>Moderators/Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45-11:30</td>
<td>Session 2</td>
<td>The Opioid Crisis Panel Discussion</td>
<td>Dr. Fiona Campbell&lt;br&gt;Dr. Hance Clarke&lt;br&gt;Dr. David Juurlink</td>
</tr>
<tr>
<td>11:30-12:00</td>
<td>Session 3</td>
<td>Workshop on Cannabis and the Adolescent Brain</td>
<td>Dr. Abby Goldstein&lt;br&gt;Dr. Ruth Ross</td>
</tr>
<tr>
<td>12:00-13:00</td>
<td>Lunch/Posters</td>
<td>PGCRL – Gallery / 2nd Floor open space</td>
<td></td>
</tr>
<tr>
<td>13:00-13:30</td>
<td>Session 4</td>
<td>Research and Quality Improvement Patient Engagement Panel Discussion</td>
<td>Ashley Audrain&lt;br&gt;Francine Buchanan&lt;br&gt;Justina Marianayagam</td>
</tr>
<tr>
<td>13:30-14:00</td>
<td>Session 5</td>
<td>Psychopathology in Pediatric Chronic Pain: A Psychiatric Case Presentation</td>
<td>Dr. Sefi Kronenberg [a case study]</td>
</tr>
<tr>
<td>14:00-14:45</td>
<td>Session 6</td>
<td>PICH Trainee Oral Presentations (4 presentations)</td>
<td>Dr. Charlie Kwok&lt;br&gt;Dr. Aimee Hildenbrand&lt;br&gt;Maria Pavlova&lt;br&gt;Melissa Pielech</td>
</tr>
<tr>
<td>14:45-15:15</td>
<td>Nutrition Break/Poster Viewing</td>
<td>PGCRL – Gallery / 2nd Floor open space</td>
<td></td>
</tr>
<tr>
<td>15:15-15:45</td>
<td>Session 7</td>
<td>Transition from Acute to Chronic Pediatric Pain</td>
<td>Dr. Joel Katz</td>
</tr>
<tr>
<td>15:45-16:30</td>
<td>Keynote 2</td>
<td>Mindfulness and Pediatric Pain</td>
<td>Dr. Fadel Zeidan</td>
</tr>
<tr>
<td>16:30-16:45</td>
<td>Closing Remarks – Drs. Melanie Noel and Tuan Trang</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
APPENDIX K - PERCENTAGE BY COUNTRY OF PAGES VIEWED ON THE OPPC PAIN CENTRE WEBSITE

Percentages of Country that viewed the Pain Centre OPPC Website

- 39.11% in the United Kingdom
- 27.92% in Canada
- 11.89% in Other
- 9.1% in New Zealand
- 6.13% in United States
- 5.85% in Australia
APPENDIX L - LIST OF ALL 10 ONLINE MODULES

Education for health-care professionals

Online Paediatric Pain Curriculum
www.sickkids.ca/OnlinePaediatricPainCurriculum

Module 1: Neurobiology of Pain
Module 2: Development of Children’s Pain Perceptions
Module 3: Epidemiology and Taxonomy of Paediatric Pain
Module 4: Assessment and Measurement of Paediatric Pain
Module 5: Paediatric Pain: Pharmacological Therapies

Module 6: Treating Pain in Children: Physical, Psychological, Complimentary and Alternative Therapies
Module 7: Acute Pain Management: Special Considerations
Module 8: Chronic Pain Management: Special Considerations
Module 9: Management of Pain in Paediatric Palliative Care
Module 10: Ethical Considerations for Children with Pain

www.sickkids.ca/OnlinePaediatricPainCurriculum
APPENDIX M – CROSS TALKS. THE OPIOID CRISIS: LOOKING THROUGH A PAEDIATRIC LENS (April 2018)

Dr. Fiona Campbell BSc, MD, FRCA
Department of Anesthesia and Pain Medicine
Co-Director, SickKids Pain Centre
The Hospital for Sick Children
Associate Professor, Department of Anesthesia
Faculty of Medicine
University of Toronto

Dr. Mike Salter MD, PhD, F.R.S.C.
Chief of Research & Senior Scientist Neurosciences and Mental Health
The Hospital for Sick Children
Professor of Physiology
University of Toronto

Zoe Dodd
Hepatitis C Program Coordinator
South Riverdale Community Health Centre
Moss Park Overdose Prevention Site Co-Organizer

Dr. Tara Gomes PhD, MHSc
Scientist in the Li Ka Shing Knowledge Institute of St. Michael’s Hospital
And the Institute for Clinical Evaluative Sciences
Assistant Professor
University of Toronto

Dr. Marla Zhang RPh, BScPhm, PharmD, MSc.
Clinical Educator jointly at the Centre for Addiction and Mental Health (CAMH)
And at the Leslie Dan Faculty of Pharmacy
University of Toronto

@sickkidsnews  #opioidcrisis
@DrFCampbell  #mentalhealth
@DrMikeSalter  #SKPainCentre
@ZoeDodd  #CBMH
@Tara_Gomes  #pain
A Parent’s Perspective

The surgical team was amazing…. The nurses were great. His pain took 2/3 of a day to get under control (thanks to Dr. X). The clown lady was pivotal in XXXXX’s recovery.

Everything was excellent except nurses at times would offer pain meds and then they would not come.

Aside from the resident right after the operation, who refused to give our son pain medication, all staff were excellent. That resident was coached on his errors.

There was a booth setup at the cafe today about pain management. The ability for my son to have a close look at the IV and feel it before the procedure and understand it definitely helped to reduce the nervousness. Thank you.

Prescription didn’t state units so… was in pain for 18 hrs before receiving dose. Doctor/resident was impossible to reach and didn’t return pages by parent or pharmacy. Doc/resident didn’t apologise for mistake. Very poor communication.
## APPENDIX O – PAIN CENTRE OBJECTIVES AND GOALS FOR 2019 - 2020

### Pain Centre Objectives and Goals in Alignment with SickKids Strategic Plan for 2019 - 2020

<table>
<thead>
<tr>
<th><strong>SickKids Strategic Plan:</strong> Improving Quality and Safety</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pain Centre Objective:</strong> To advance a culture of pain prevention within the context of family-centred care.</td>
</tr>
</tbody>
</table>

**Goal:** Focus QI initiatives on pain prevention and management targeting moderate to severe pain.

- ✓ Utilize EPIC to generate real time reporting to in-patient units as part of the QIP-Pain for process improvement and evaluation of clinical outcomes with respect to pain for all in-patient units.
- ✓ Engage outpatient units in the QIP-Pain (e.g. Emergency Department).
- ✓ Ensure pain remains a priority at SickKids, and is practiced in alignment with key initiatives (e.g. Caring Safely and Choosing Wisely).
- ✓ Continue to work with the ‘Comfort Promise’ team in implementing and auditing a pain prevention bundle for needle pokes related to injection, venipuncture, and intravenous access. The bundle will give clinicians an evidence-based approach to offering four strategies: (1) numbing the skin, (2) sucrose or breastfeeding in infants, (3) comfort positioning, and (4) distraction.
- ✓ Identify need for opioid education as identified ‘Opioid Clinical Program.’
- ✓ Develop plan with Acute Pain Service/Pain Matters Committee to identify where barriers to pain management lie (e.g. root cause analysis; understand whether there is an algorithm for staff to access pain specialist; opportunity for education).
- ✓ Continue to be active in the Pain Matters Committee in order to participate in any guideline or pain policy updates

**Goal:** Develop strategies engaging children and families in pain prevention initiatives.
- Increase social media use to engage patients and families to understand pain education needs.
- Continue to provide innovative and engaging educational platforms for patient and families around pain (e.g. Coping Clinic and Coping Circus).
- Engage patients and families in the development and implementation of a KT plan for education dissemination of the new AKH Pain Learning Hub content for families (e.g. through social media, AKH Family Advisory Board).
- Work with AKH and stakeholders to develop a user experience questionnaire for the new Pain Learning Hub.

**SickKids Strategic Plan: Enhancing our Infrastructure**

**Pain Centre Objective:** To become global leaders in preventing pain by integrating excellence in education, research and clinical initiatives.

**Goal:** Enhance linkages between basic, clinical and implementation science.

- Host one national (Shriners Hospitals for Children in Montreal) PICH2GO conference.
- Award one postdoctoral fellowship $50K via the *Louise and Alan Edwards Foundation*.
- Award up to $25K for Clinical Improvement, KT or Quality Improvement projects to staff.
- Continue participation and partnership with UTCSP educational platforms for students/trainees (e.g. Interfaculty Pain Curriculum).

**Goal:** Identify and leverage partnerships across SickKids Centres.

- Host future cross talks, workshops, lunch and learns on pain topics based on needs assessment of staff in collaboration with other SickKids Centres.

**SickKids Strategic Plan: Empowering People**

**Pain Centre Objective:** To enhance KT partnering between the Pain Centre and stakeholders

**Goal:** Raise awareness and enhance communication between stakeholders using novel KT strategies.
- Ensure family representation at Pain Centre Executive meetings.
- Secure additional education platforms where the OPPC could be integrated into other pain curriculum and potentially allow for additional translation opportunities (e.g. Centre for Global Child Health).
- Participate in novel KT platforms to increase awareness on Pain Centre initiatives (e.g. SickKids Learning Institute Education Day; Canadian Paediatric Society Conference, Ontario Brain Institute).
- Engage patients and families in the development and implementation of a KT plan for education dissemination of the new AKH Pain Learning Hub for families (e.g. through social media, AKH Family Advisory Board).
- Disseminate the Pain Learning Hub resources to health care professional and families (e.g. Grand Rounds, Nursing education platforms, Social Media, hard copies in in-patient units).
- Evaluate impact/uptake of new AKH pain resource for families using google analytics and feedback surveys from users.
- Partner with Solutions for Kids in Pain by employing a knowledge broker to support a knowledge mobilization initiative.
- Partner with the SickKids Learning Institute to migrate published OPPC content to a mobile device platform (RISE).

**SickKids Strategic Plan:** Championing the evolution of Health systems

**Pain Centre Objective:** To leverage existing strategies to enhance partnerships, communication and collaboration with children, families and other stakeholders

**Goal:** Partnering with new and existing initiatives focused on improving the management of paediatric acute and chronic pain.

- Work with the Pain Matters Committee in identifying and improving pain satisfaction targets.
- Members of the Pain Centre have received funding from the MOHLTC for a Paediatric ECHO project of which pain is a substantial component. Increase engagement among primary care providers with limited training related to paediatric pain assessments and management.
- Chronic Pain Program at both SickKids and Holland Bloorview Kids Rehabilitation Hospital has successfully increased access for children with chronic pain. Disseminate an algorithm to McMaster, CHEO and London Children’s Hospitals to help identify the appropriate patients. Aim to target 52 patients per year for the province for this program.
<table>
<thead>
<tr>
<th>SickKids Strategic Plan: Stewarding our Finances</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pain Centre Objective:</strong> To place the Pain Centre on a sound, sustainable financial footing</td>
</tr>
<tr>
<td><strong>Goal:</strong> Develop strategies and partnerships to build sustainable funding</td>
</tr>
<tr>
<td>✓ Develop a strategic plan and identify potential partners to financially sustain PICH.</td>
</tr>
<tr>
<td>✓ Strategize on a sustainable funding model for a postdoctoral fellowship via partnership(s) (e.g. Restracomp, other SickKids Centres etc).</td>
</tr>
<tr>
<td>✓ Secure funding to translate the OPPC into either French or Spanish.</td>
</tr>
<tr>
<td>✓ Seek funding to support new and novel research for pain.</td>
</tr>
</tbody>
</table>