**Cochrane Child Health (CCH): a year in review**

**October 2018- October 2019**

**KNOWLEDGE TRANSLATION (KT) ACTIVITIES:**

* Active social media strategy – disseminated Cochrane and non-Cochrane evidence related to child health through a series of blog shots and tweets (4361 Twitter followers!).
* Collaborated with other Cochrane groups to help develop KT tools to share review results via social media.
* Evidence for Clinicians
  + 4 columns published in *Paediatrics & Child Health* which is the official journal of the Canadian Pediatric Society.
* Cochrane Corners
  + 3 Cochrane Corners, published in *Portuguese Journal of Pediatrics.*
  + 5 Cochrane Commentaries, published (or submitted) in the Journal *of Paediatrics and Child Health* (Australia)*.*
* KT tools for parents on acute childhood illnesses – in collaboration with the Translating Evidence for Child Health to Enhance Outcomes (ECHO) research group
  + Helped to systematically review literature to inform KT tool development.
  + Helped develop and evaluate four parent friendly e-tools (e-books, whiteboard animation videos, and interactive infographics. Further tools are currently under development.
  + Helped (and continuing to help) translate and test the usability of the KT tools in other languages such as French and Tagalog.
  + Helped (and continuing to help) conduct a feasibility study around the need for translating e-tools for Indigenous populations in Alberta, Canada.
* Development of Bottom Line Recommendations and Evidence Repositories
  + For TREKK, we helped source literature for the development of evidence repositories and publication of bottom line recommendations for a number of acute pediatric conditions.
* KT Summary Products
  + CCH summer student examined parent preferences and usability of three different Cochrane KT summary products (Blogshots, Plain Language Summaries, SEED Summary of Findings Wikipedia tables) on an acute paediatric condition (Acute Otitis Media).
  + This work has been presented at local conferences, and will be presented at the 2019 Cochrane Colloquium (manuscript under review).
* KT Training and Education
  + Helped develop (ongoing) a Cochrane specific KT introductory learning module.
  + Delivered a seminar entitled “Types of Research Evidence: Using Evidence at Each Stage of the KT Process” as part of the Alberta Strategy for Patient Oriented Research SUPPORT Unit, KT Platform KT Certificate Program.
  + Presented a Cochrane Online Learning Webinar entitled “Developing a Cochrane Child Health knowledge translation plan: Why, how, and for whom?”.

**PRIORITY SETTING AND PATIENT ENGAGEMENT**

* Paediatric Parent Advisory Group (PPAG)
  + Developed in 2016. Currently 28 members. Our second year engagement and process evaluation was conducted. Results have been presented at local conferences.
  + Helped (and continuing to help) develop a suite of child health-relevant KT tools and systematic reviews.
  + Collaborated on successful research grant ($50 000, 2 years) which aims to establish parent and youth research priorities in child health across Alberta.

**SYSTEMATIC REVIEW PRODUCTION**

* Assisted with finding peer clinical and consumer reviewers for Cochrane Review Groups.
  + Cochrane Skin
  + Cochrane Airways
* Assisted with registering Cochrane reviews and review production (management and information specialist).
* Conducted systematic reviews on child health related topics
  + Safety of Corticosteroids (published: Fernandes et al BMJ Open. 2019 Aug 1;9(8):e028511).
  + Parent preferences and information needs for managing Bronchiolitis (published: Gates et al Patient Educ Couns 2019 May;102(5):864-78).
  + Parent preferences and information needs for managing urinary tract infections (published: Gates et al Patient Educ Couns 2018 Jul;101(7):1207-15).
  + Digital technologies for children pain (manuscript under review).
  + Overview on paediatric obesity management (manuscript in preparation).

**METHODS WORK – COMPLETED AND ONGOING**

* AMSTAR/AMSTAR 2/ROBIS
  + Evaluation of the reliability, usability, and applicability of AMSTAR, AMSTAR 2, and ROBIS (submitted for publication; to be presented at Cochrane Colloquium 2019).
* Pediatric Trial Reporting and Conduct
  + Comparison of nuisance parameters in pediatric versus adult randomized trials (Vandermeer et al BMC Med Res Methodolo 2018; doi: 10.1186/s12874-017-0456-8
  + Reporting of data monitoring committee and adverse events (Gates et al BMJ Paediatr Open. 2019 Mar 20;3(1):e000426).
  + Consent and recruitment: the reporting of pediatric trials (Gates et al BMJ Paediatr Open. 2018 Nov 26;2(1):e000369).
* Expediting systematic reviews through machine learning
  + Internal methods working group projects:
    - LOCATE: Leveraging Ongoing Citation Acquisition Techniques for Evidence Synthesis (analysis underway).
    - SELECT: Screening Efficiently Leveraging Emergent Classification Technologies (submitted for publication; to be presented at Cochrane Colloquium 2019).
  + Cochrane Living Evidence Network, Member.
* Overviews of Reviews
  + Graduate Student publications on advancing methods for overviews.
    - The impact of different inclusion decisions on the comprehensiveness and complexity of overviews of reviews of healthcare interventions. Pollock M, Fernandes RM, Newton AS, Scott SD, Hartling L.. Syst Rev. 2019 Jan 11;8(1):18. doi: 10.1186/s13643-018-0914-3.
    - A decision tool to help researchers make decisions about including systematic reviews in overviews of reviews of healthcare interventions. Pollock M, Fernandes RM, Newton AS, Scott SD, Hartling L. Syst Rev. 2019 Jan 22;8(1):29. doi: 10.1186/s13643-018-0768-8.
  + Handbook Chapter: led the revision of the chapter on overviews for the Cochrane Handbook of Systematic Reviews of Interventions (Version 6, published 2019).
  + Development of Overviews reporting guideline (PRIOR) – ongoing (protocol submitted for publication and to be presented at Cochrane Colloquium 2019).
* Equity
  + Handbook Chapter: three Field Directors are on the author team for the chapter on equity and specific populations for the Cochrane Handbook of Systematic Reviews of Interventions (Version 6, published 2019).

**CAPACITY BUILDING/TRAINING**

* Evidence in Child Health Award:
  + Can we say more about the fact that we’re bringing in the person from another country to provide face-to-face mentorship and support? Otherwise we’re kind of underselling what it’s all about
  + Topic: Utility of point-of-care diagnostics in children with Sickle Cell disease.
  + Review title registered, and protocol submitted.
  + Internship to be completed at the University of Alberta in 2019.
* Summer student projects
  + Scoping review on cannabis intoxication in children and youth (started summer 2019, work ongoing).
* CETERAKids, Portugal
  + Visited schools to teach school-aged kids about clinical research and clinical trials.
* Portuguese Society of Pediatrics
  + Currently establishing a collaboration agreement with the Portuguese Society of Pediatrics residents’ working group, focused on supporting the development of Cochrane Corners.
* CCH Directors and Advisory Board members delivered a number of lectures, presentations, and workshops at local, national, and international events on evidence synthesis and KT methods.
* CCH Directors are actively involved with graduate and clinical trainees within their respective local institutions.
* Cochrane KT Mentoring Scheme
  + September 2019, CCH mentor matched with Cochrane mentee.
* Cochrane Standard Author Training (CSAT)
  + Hosting CSAT workshops, November 2019.

**NETWORK BUILDING**

* Established connections and working relationships with the Cochrane Children and Families Network, the Mental Health and Neurosciences Network, the Musculoskeletal, Oral, Skin and Sensory Network and the Cochrane Acute and Emergency Care Network.
* Established connections with multiple CRGs for KT products and dissemination of reviews on social media.
* Attended local and international conferences relating to child health.
* Field collaborations
  + Collaborated on Fields’ review tagging project to be presented at the 2019 Cochrane Colloquium.
  + Contributed to 2019 Colloquium Workshop: “Collaboration among Cochrane Fields, Networks and Review Groups”.
* ABSPORU KT Platform methods working group projects
  + Best practices for dissemination of research via social media – manuscript under review.
  + Storytelling as a patient engagement tool – manuscript and workshops developed.
* Actively involved in three Cochrane KT Working Groups
  + Growing capacity in our users.
  + Upscale and improve existing products.
  + Internal capacity and infrastructure.
* Actively involved with KT Advisory Group
  + Member, KT Advisory Group (oversees all of the working groups).

**FUTURE DIRECTIONS**

* Currently we do not have dedicated funding, and are operating on in-kind funding only.
* We plan on prioritizing work efforts around core activities and leveraging existing collaborations.
  + Prioritization and co-production
    - Supporting the production of reviews which meet the needs of our users
    - Linking with the Networks and associated CRGs
    - Tagging child health relevant Cochrane reviews
  + Packaging, push and support to implementation
    - Ensuring users receive (social media, E4C, Cochrane Corners) and can act on our reviews and products
  + Facilitating pull
    - Growing our users’ capacity (training, teaching, advocating) to find and use our reviews.
* Understanding where and how CCH fits in with the new Cochrane Networks model – how can we support, what is our role?