PEDIATRIC SEPSIS DATA COLAB

YEAR IN REVIEW

2021

advocacy and prevention

In 2021, the CoLab launched a collaborative research study, "**Saving young lives: Triage and management of sepsis in children using the point-of care Paediatric Rapid Sepsis Trigger (PRST) tool,**" in partnership with the **University of British Columbia** (UBC), the **Kenyan Medical Research Institute** (KEMRI), and **Walimu** in Uganda. The study aims to develop an accessible and affordable mobile tool that can be used by health workers to **rapidly triage pediatric patients in low resource settings**.

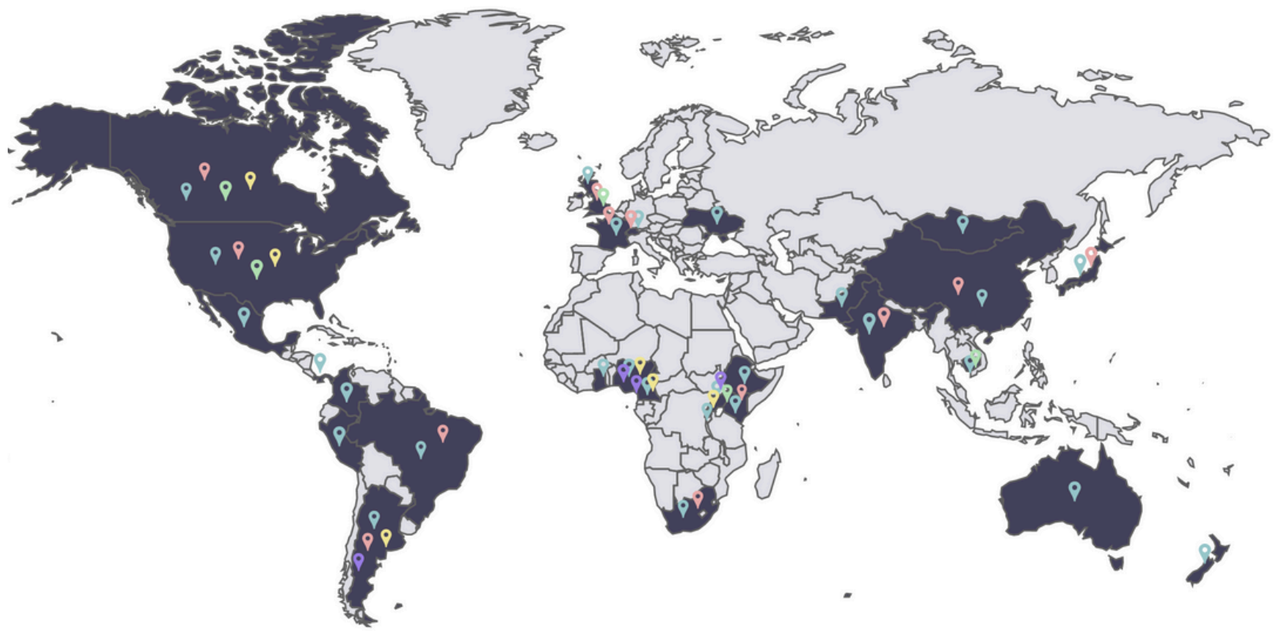
The study is using the **Sepsis CoLab's Environmental Scan** to assess health facility readiness to provide pediatric sepsis care . To date, the Environmental Scan has been completed at **4 facilities in Uganda**.

As of November 2021, **10,934** patients have been enrolled.

Our manuscript "**Common data elements for predictors of pediatric sepsis: A framework to standardize data collection**" was published in PLOS One on June 10, 2021. This manuscript describes the systematic review and 5-step Delphi process used to develop a common data element set for **pediatric sepsis predictors** at the point of triage in **resource limited settings** to serve as a standardized framework for data collection for future studies.

https://doi.org/10.1371/journal.pone.0253051

strengthen collaborations



The Sepsis CoLab network currently spans **29 countries** across **6 continents**.

Our network includes:

- Steering Committee - 13 members
- Predictors Working Group - 10 members
- Environmental Scan Working Group - 13 members
- Sepsis CoLab - 116 members

knowledge translation

Through 2021, the launch of the Sepsis CoLab was promoted throughout existing networks hosted by **WFPICCS** and the **Centre for International Child Health (CICH)**. The CoLab's successes continue to be shared through quarterly newsletters, social media channels, and at conference presentations.

The Sepsis CoLab held a Lunch & Learn on **October 15, 2021** to share lessons learned from the CoLab's approach to **Open Data**. Presenters Dr. Mark Ansermino, Maggie Woo Kinshella, and Jessica Trawin discussed how to **Optimize the Reuse of Clinical Data.**

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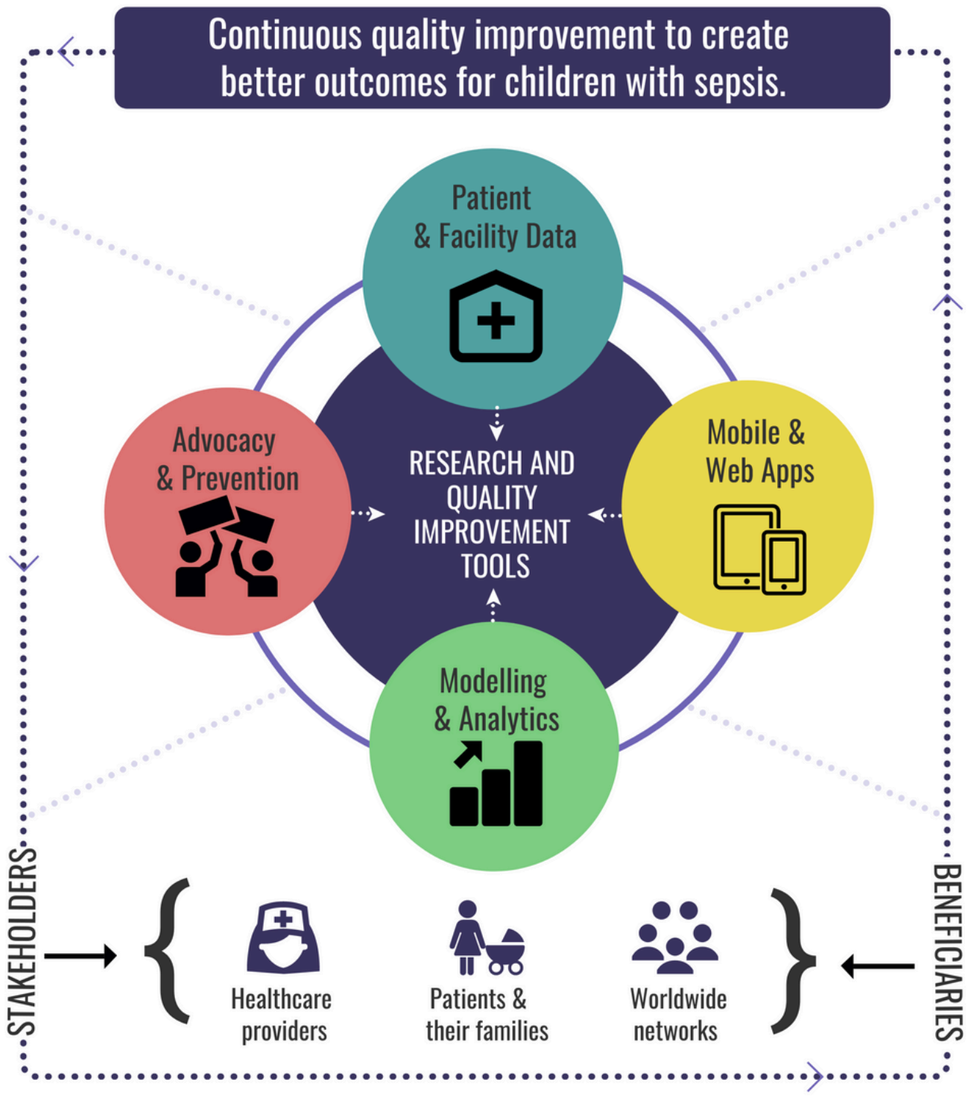
For Pediatric Sepsis

quality improvement

The **Pediatric Sepsis Data CoLab** and the **Centre for International Child Health** (CICH) in partnership with the **World Federation of Intensive and Critical Care Societies** (WFPICCS) and the **Environmental Scan Working Group** have developed a 5-phase survey for evaluating health facility readiness to provide care to critically ill children. The Environmental Scan has been piloted in health facilities in **Uganda, Cameroon, Argentina, and Nigeria.**

The Sepsis CoLab is working with experts across Latin America to launch a **regional quality improvement program** to improve sepsis care as well as with Elvis Dzelamunyuy Suiyven with the **Cameroon Association of Critical Care Nurses (CACCN)** to implement a quality improvement project in Bamenda District, Cameroon. Both projects will begin in early 2022 and will utilize the CoLab's **Environmental Scan** to assess the impacts on care.



data curation & open data

Dataverse is an open-source data repository used to share, preserve, cite, explore, and analyze research data. The Sepsis CoLab owns **9** of the University of British Columbia's (UBC) **42 sub-dataverses**.

Our **9 sub-dataverses** are comprised of **17 datasets** and 66 files with over **658 asset downloads.** The Sepsis CoLab has welcomed **116 new members** since our launch in Fall 2020.

join us

Visit us on **LinkedIn**: https://bit.ly/3CbCAxZ

Sepsis CoLab Members are provided with **networking opportunities** and **mentorship** as well as access to our Dataverse, enabling them to 1) **access guidelines, tools, algorithms, and many other resources**; 2) access and **share data through data sharing agreements;** and 3) **securely store data.**

global & local partners

WFPICCS
World Federation of Pediatric Intensive & Critical Care Societies

UBC

The CENTRE for INTERNATIONAL CHILD HEALTH

BC Children's Hospital Research Institute

The Dataverse Project