



# PEDIATRIC SEPSIS DATA COLAB

## YEAR IN REVIEW

# 2022



## Advancing Open Data for Clinical Research



In April, the Sepsis CoLab, in partnership with researchers at the University of British Columbia (UBC), were awarded a Data Champions Pilot Project grant from the Digital Research Alliance of Canada. This project aims to improve maternal, newborn and child health (MNCN) outcomes through **capacity building to optimize the re-use of clinical data**. This work will expand the CoLab's existing repository of Open Data training resources available via Borealis, the Canadian Dataverse Repository. Project outputs will include:

- Open Data Training Workshop Series
- Research supported de-identification methods for clinical data
- Open Data Toolkit for Clinical Research

As part of this work, the Sepsis CoLab published a framework for a de-identification process for clinical data with a utility-based validation on PLOS Digital Health. Establishing sustainable research data management infrastructure will facilitate a more streamlined data sharing process and advance the adoption of open data methods among MNCN research community globally.



Digital Research  
Alliance of Canada

Alliance de recherche  
numérique du Canada



## Member Spotlight

Recognizing the high burden of pediatric sepsis in Cameroon, **Elvis Suiyven**, Nurse Anaesthetist and member of the Cameroon Nurses Association, took initiative by reaching out to the Sepsis CoLab for support in developing a quality improvement program at 2 hospitals in Cameroon. By utilizing the CoLab's Environmental Scan Tools, Elvis was able to identify priority areas for quality improvement and is now working closely with the CoLab team to develop a grant proposal and design training materials to improve sepsis care and pediatric health outcomes in Cameroon.





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The Sepsis CoLab, together with WFPICCS and PhysioNet/Computing in Cardiology, hosted a pre-conference workshop at the WFPICCS Congress 2022. The workshop served to promote the Sepsis CoLab's work and recruit participants for an international Data Challenge to develop risk prediction models for pediatric sepsis mortality. Data Challenge participants will form multi-disciplinary, international teams of data scientists and health professionals who will work together over the course of one-year to develop and implement an open-source algorithm for predicting the risk of in-hospital death for children with suspected or proven sepsis. Registration for the challenge will open in early 2023.

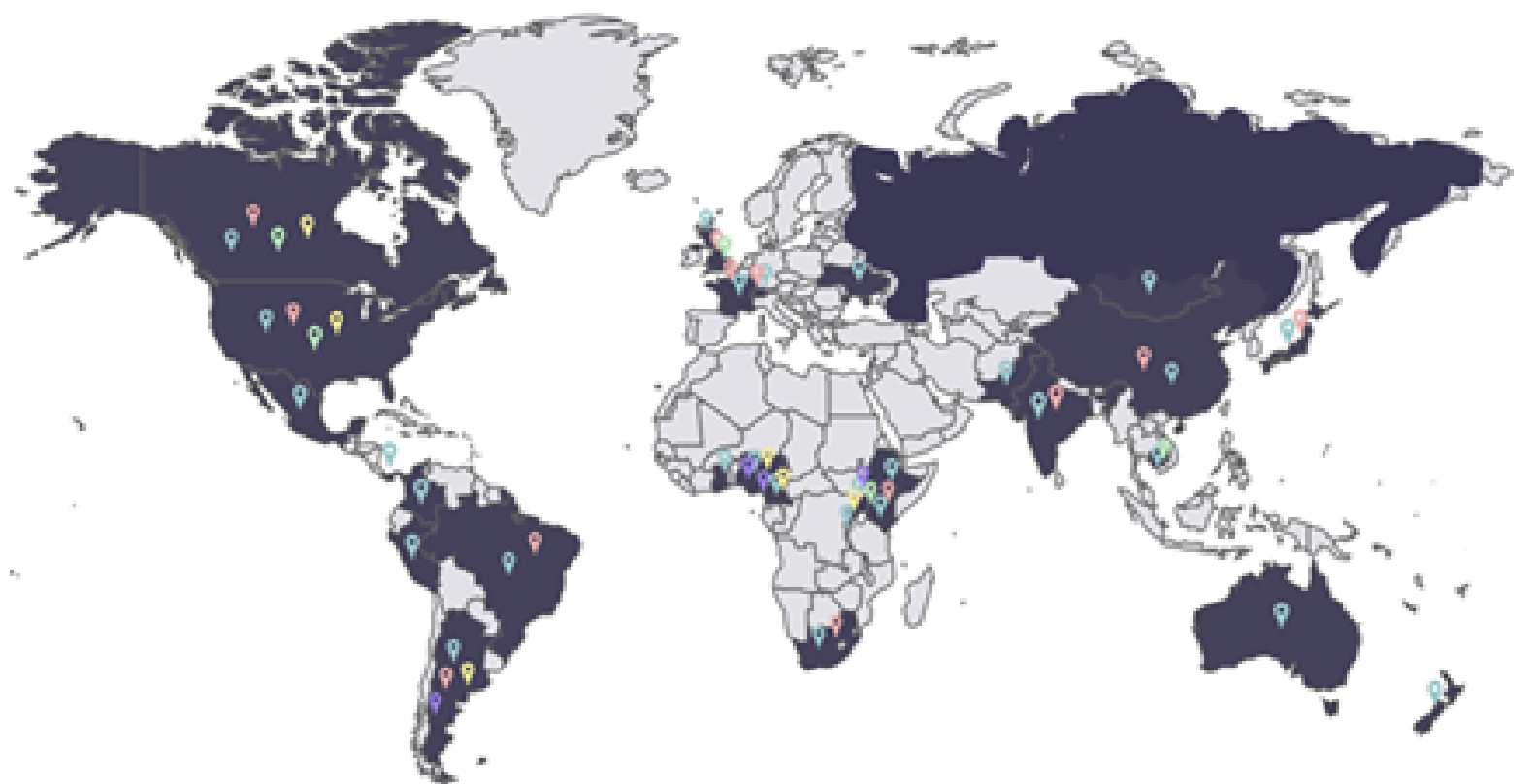
Stay tuned for more details!

## New Partnerships

In 2022, eight pediatric sepsis experts from Argentina, Brazil, Columbia, and Mexico came together to form a new regional **Sepsis CoLab Working Group for Latin America** (Sepsis CoLab LATAM). The Sepsis CoLab LATAM group aims to implement a continental pediatric sepsis program, develop national and regional pediatric sepsis programs for LMICs, and advance pediatric sepsis research across the region.



## Join us



140 Members 48 Countries 6 Continents

The Pediatric Sepsis Data CoLaboratory is a global network for collaboration to address the high burden of pediatric sepsis mortality and morbidity globally.

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.

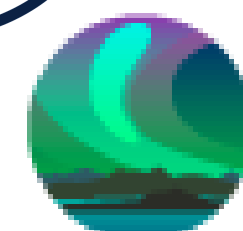


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**WFPICCS**

World Federation of Pediatric Intensive & Critical Care Societies



**borealis**