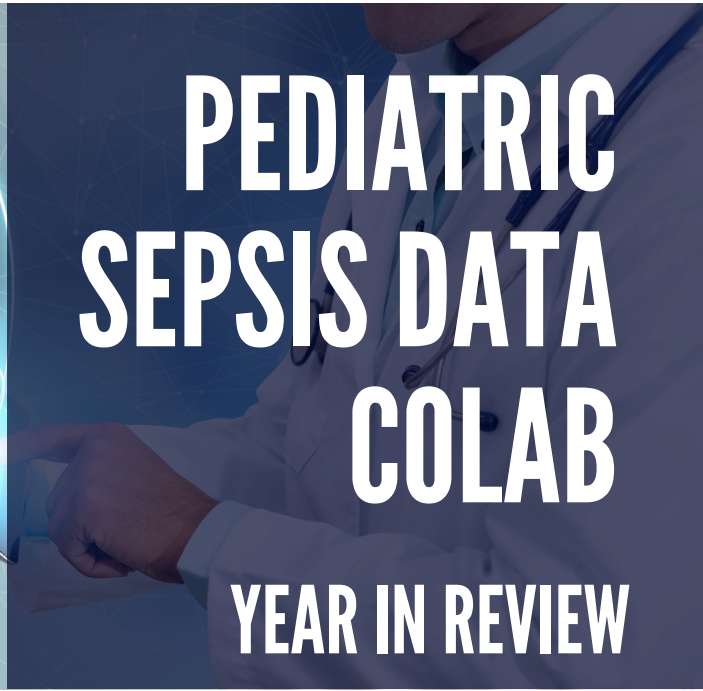




2023

wfpiccs.org/pediatric-sepsis-colab



PEDIATRIC SEPSIS DATA COLAB

YEAR IN REVIEW



PATIENT & FACILITY DATA



MODELLING & ANALYTICS



ADVOCACY & PREVENTION



MOBILE & WEB APPLICATIONS

ADVANCING OPEN DATA

The Sepsis CoLab, with support from the [Digital Research Alliance of Canada](#), has now concluded the Data Champions Pilot Project, a year-long initiative focused on enhancing clinical researchers' knowledge and skills in Open Data. Through targeted open data training workshops, participants explored case studies in qualitative and quantitative clinical data sharing as well as advanced topics such as synthetic data generation methods and leveraging synthetic data for an international data challenge.

All Open Data resources generated throughout the project are publicly available through the [Sepsis CoLab's Dataverse](#) hosted on Borealis, the Canadian Dataverse Repository. This endeavour represents a significant stride in fostering collaborative efforts and knowledge exchange within the clinical research community. Thank you to all contributors for making the Data Champions Pilot Project a success. We eagerly anticipate further opportunities to continue our contribution towards advancing data-driven research.

CASE STUDIES IN OPEN DATA WORKSHOP



DR. SRINIVAS MURTHY,
INVESTIGATOR, BC CHILDREN'S HOSPITAL
Data sharing during the COVID-19 pandemic

MAGGIE WOO KINSHELLA,
Research Coordinator, Dept. of
Obstetrics and Gynaecology, UBC
Our experience with Open Data for the
"Integrating a neonatal healthcare package for
Malawi" project



SYNTHETIC DATA & THE 2023 PEDIATRIC SEPSIS DATA CHALLENGE WORKSHOP

Leveraging Synthetic Data for an International Data Challenge
Charly Huxford, Research Assistant, IGH

Methods in Synthetic Data Generation
Vuong Nguyen, Biostatistician, IGH



Digital Research Alliance of Canada

Alliance de recherche numérique du Canada

SEPSIS COLAB DATAVERSE



17 SUB-DATAVERSES

↳ **43 DATASETS**

↳ **179 FILES**

- Guidelines
- Digital Adaptation Kits
- De-identified patient data
- Data collection tools
- QI & Open Data Training resources
- + more



DATASET SPOTLIGHT

To ensure countries can effectively benefit from digital health investments, digital adaptation kits (DAKs) are designed to facilitate the accurate reflection of clinical, public health and data use guidelines within the digital systems countries are adopting. DAKs are operational, software-neutral, standardized documentation that distill clinical, public health and data use guidance into a format that can be transparently incorporated into digital systems.

Check out the [Institute for Global Health's](#) new DAKs for their [Smart Triage](#) and [Smart Discharges](#) digital health programs aimed at improving the quality of pediatric care in resource limited settings.

MEMBER SPOTLIGHT

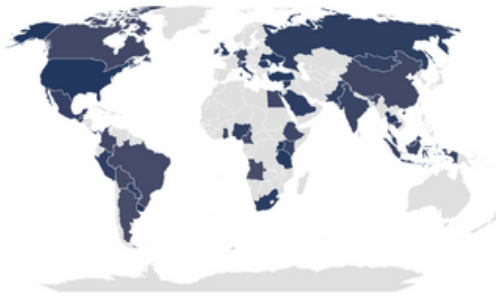


Dr. Tagbo Oguonu, Professor at the Department of Pediatrics, University of Nigeria Teaching Hospital (UNTH), together with NEMOURS Children's Health and Cooper Children's Regional Hospital in the United States, has been working to improve the quality of care in Nigeria. Employing the Supplies, Personnel, Space, Support (SPSS) Model, Dr. Tagbo and his team have successfully implemented a pediatric ICU at UNTH, with plans to extend the initiative to six regions across Nigeria by 2027. A dedicated member of the Sepsis CoLab's Environmental Scan Working Group, Dr. Tagbo actively engages in peer-to-peer learning, contributing valuable insights to advancing pediatric care in resource-limited settings.

COLAB-ORATE WITH US!

The Pediatric Sepsis Data CoLaboratory is a collaborative network dedicated to mitigating the impact of pediatric sepsis mortality and morbidity globally. Members benefit from networking opportunities, mentorship, and access to the CoLab's Dataverse repository. This empowers them to:

- Use guidelines, tools, algorithms, and various other resources.
- Share and access data through established data sharing agreements.
- Securely store data.
 - 177 members
 - 49 countries
 - 6 continents



MEMBERSHIP APPLICATION

DATA CHALLENGE POSTPONED TO 2024

The [International Data Challenge](#), facilitated by PhysioNet, the Sepsis CoLab, and WFPICCS, has been rescheduled to 2024. This year-long competition will offer participants a chance to develop a working, open-source algorithm to predict in-hospital mortality and length of stay using a synthetic dataset provided by the Sepsis CoLab. We appreciate the patience of the CoLab community while we get organized. Stay tuned for our launch date announcement in early 2024!



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