



EDAM: Ethiopian Data Analytics and Modelling Consortium – February 2026

FAST FACTS:

- While great progress has been made, Ethiopia's maternal mortality remains high at 267 deaths per 100,000 live births - above the global average of 197 and far exceeding high-income countries such as Australia with 8 per 100,000.
- Cholera persists with more than 25,300 cases and 245 deaths reported in the country in 2024.
- Ethiopia confirmed its first Marburg outbreak in November 2025, highlighting the need for real-time data and rapid modelling.

BACKGROUND:

- Ethiopia faces a triple burden of infectious diseases (HIV, malaria and TB), non-communicable diseases, and nutritional deficiencies.
- The country has made strong progress in advancing gender and equity in health research, alongside growing national capacity in data analytics and modelling.
- Key gaps remain in using routine health system data to guide timely evidence-informed policy decisions, including limited real-time analysis of sex and gender differences across diseases and services.
- Better surveillance and modelling of health threats could improve the responsiveness of the health system and save lives.

AIMS:

- To build a sustainable, locally owned and locally led national consortium that links real-time health data, modelling and policy decision-making across Ethiopia.
- To strengthen the health evidence pipeline by reducing data fragmentation, improving data quality and enabling faster translation of findings into evidence-based policy.
- To advance data equity by improving how data are captured, accessed and used - particularly for sex-and gender-disaggregated data.

METHOD:

- Establish EDAM governance and operating structures, co-led by the Ethiopian Public Health Institute (EPHI) and the Federal Ministry of Health (FMOH).
- Conduct a detailed analysis of the health data ecosystem to identify and understand barriers/enablers to equitable inclusion of sex and gender considerations in data modelling.
- Co-develop a sustainability plan with local partners.
- Build the capacity of researchers and research institutions in Ethiopia in AI, advanced data modelling and sex and gender data analysis.

PROJECT CYCLE:
2025 - 2029

PARTNERS:
The George Institute for Global Health, UK

Imperial College London
Federal Ministry of Health, Ethiopia
Ethiopian Public Health Institute

SUPPORTERS:
The Gates Foundation

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IMPACT:

- EDAM will leverage major investments by the Ethiopian FMOH, Gates Foundation and other funding agencies in real-time health data collection and build an ecosystem that turns these data into timely evidence-informed health policy decisions.
- The project will identify, train and support a cadre of Ethiopian health researchers, with a strong focus on gender equity, to sustain sex- and gender-responsive modelling and decision support over time.

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