At 2Paths, we architect and build software to help our clients to make the world a better place by using technology to solve problems

We have over 15-years experience working with the world's largest health-focused organizations to use data to make smarter decisions. Global healthcare organizations involved in monitoring and evaluation have relied on our expertise to better understand and automate data flows, implement open source health information systems and build tools to visualize and analyze complex datasets. We have designed and developed data portals and dashboards that demonstrate excellence in user interface and workflow design.

We typically work directly with local and international clients, such as government departments and ministries, universities, international NGOs and other aid organizations. On occasion we have also been subcontracted by a technical partner to round out their expertise for a specific project.

We provide strategic services such as business analysis, solution design, and data analysis. We also provide technical services including software development, system integration, implementation support and training. We favor an Agile development methodology and research-driven design approach which places users and their needs at the center of our projects. We work closely with our user experience and design partner to offer a holistic, frictionless experience both to project development and the end-result.

We have spent the last two years conducting research on methods to move beyond providing data reporting and portals to our clients. We are looking at ways to provide answers that are grounded by data and large scale data flows. Our research has included building the technical infrastructure to support global scale data pipelines and machine learning techniques for predictive and exploratory analyses.

Core Competencies

We enable global health organizations to harness the power of data to strengthen accountability and inform evidence-based decision-making by:

- Making data useful
- Understanding and automating data flows into and out of open source repositories
- Improving existing open source systems by addressing the flexibility, scalability and configurability of a system to build a more usable application or workflow
- Developing health information mapping platforms that feature tools to define, capture and share health-related data
- Building interactive dashboards that allow for high-level investigation of maps and data visualizations while provided tools for the inquiry and extraction of raw data
- Presenting data to be easily understood by anyone and providing options to drill into more complex information
- Evaluating and incorporating core technologies into a functional prototype
- Implementing large scale data management pipelines, features' selection automation and machine learning concurrent multi-model training for data scientists' interpretation
- Giving access to a layered architecture for a prediction-serving stack that has low latency, high throughput and improved accuracy as an automatically generated production pipeline

Past Performance

Data Visualization Dashboards

President's Emergency Plan for AIDS Relief (PEPFAR), 2014 - present

We worked with PEPFAR to design and develop data visualization dashboards. The dashboards help showcase PEPFAR's track record of impressive outcomes and demonstrate that it is helping to change the trajectory of the global HIV/AIDS pandemic. Visit the site

Scalable mHealth Platform (MoTeCH)

Grameen Foundation and Bill & Melinda Gates Foundation, 2011

We developed a highly scalable mobile technology platform available to community health organizations serving remote and vulnerable populations of the world who wish to implement a national scale mobile health system. The project was sponsored by the Grameen Foundation and the Bill & Melinda Gates Foundation. We successfully scaled a mobile platform first tested as a pilot project. 2Paths created the next version of MOTECH, a mobile health and messaging platform enabling it to scale to the entire population of India. In conjunction with the MOTECH partners, the platform was architected and an initial HIV medical adherence implementation was built and tested. The platform was donated as open source, and is currently in use in over 15 implementations around the world including Africa and India. Visit the site

National Evaluation Platform Custom Data Import App to DHIS 2

Institute for International Programs – Johns Hopkins University, 2015 - present

We developed a data import application to connect to the DHIS 2 platform which allows for the import, organization, storage, display and analysis of data from health, education, economic and demographic data to supplement the Ministry of Health routine health information. Our application helped address existing challenges with program evaluation of large-scale maternal and child health and nutrition programs in four African countries - Mali, Malawi, Mozambique and Tanzania.

For more information and examples of our work, please visit 2Paths.com.

2PATHS

A Selection of our Clients