

Because Data Save Lives

Data for Implementation (Data.FI) is a global project that helps countries strengthen routine health information systems to optimize efficiencies in the health sector, track and rapidly respond to the HIV epidemic and emerging health threats, build global health security (GHS) infrastructure, and improve client care. We provide end-to-end solutions in the data ecosystem that serve public health goals and protect clients' rights.

Data.FI works across all technology platforms, aligning our interventions to each country's unique data and information system landscape. We provide rapid insight for decision making, using efficient and advanced analytics. We help USAID and partners diagnose performance challenges to best focus resources. We also develop and deploy evidence-based approaches so that data are used to inform meaningful change and save lives.

We strengthen government capacity for health information system (HIS) governance and build local partner capabilities in line with USAID's local partner transition goals. Data.FI leverages existing networks of in-country relationships to build government trust, coordinate stakeholders, and expand the pool of local partners able to respond to rapidly evolving epidemics or other health threats.

In sum, Data.FI supports governments, partners, and stakeholders to:



Apply
machine learning and AI



Track
clients



Tailor client care



Improve
program quality



Protect those we serve



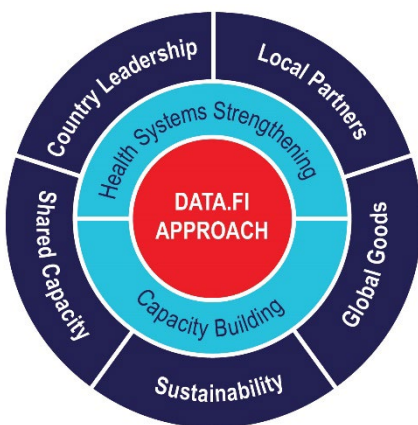
Maximize
efficiencies



Demonstrate
accountability



Ensure
sustainability



Our partnership combines global technological capabilities with country-specific public health expertise, ensuring that our digital solutions are sustainable, localized, and able to deliver services to the last mile.



DATA.FI SOLUTIONS

Apply machine learning and AI

Population profiling and size estimation.

Data.FI applies artificial intelligence/machine learning (AI/ML) techniques to generate subpopulation profile maps and size estimates to understand hyperlocal spatial distribution of populations at risk of acquiring HIV or treatment interruption.

Thought leadership and project learning.

Data.FI excels in collaborating with key stakeholders to share implementation experience and facilitate discussions on how to craft more seamless, human-centered, and practical AI/ML solutions.

Track clients

Electronic medical record (EMR) systems.

Data.FI optimizes EMRs to track clients across the 95-95-95 continuum, improve continuity of care, and generate data for epidemic and **program performance monitoring**, following software development lifecycle best practices.

OVC and DREAMS information systems.

Data.FI builds and interoperates OVC and DREAMS longitudinal case management systems with HIV testing service (HTS), laboratory, dispensing, commodity, and community-level systems, as well as harmonizing data standards across implementing partners and government.

Deduplicating client records.

Data.FI develops master client indices, linking records across systems. Data.FI can also provide a quick estimate of duplicate records for countries looking to quantify this problem.

Tailor client care

Client phenotyping. Our approach combines descriptive analytics and AI/ML techniques to develop localized profiles of vulnerable clients and to test differentiated care models that can be built into existing information systems or apps.

Improve program quality

Epidemic control rooms (ECRs). Though our ECRs—technology-enabled data review meetings during which decision makers visualize integrated data sets and follow a standardized approach to analyze and action data in real time—Data.FI is setting standards for continuous program improvement.

Protect those we serve

Data protection support. Data.FI supports USAID and partners to securely manage client data and develop technologies that protect client data, including unique IDs that follow *privacy by design* principles.

Maximize efficiencies

Data warehouses that support advanced analytics.

Data.FI develops central data warehouses to unify data across sites and disparate systems (EMR, lab, dispensing, etc.). An analytical layer provides comprehensive, de-duplicated data for program management, client-care improvement, and cohort analyses

Efficiency analysis and costing. Data.FI analyses the efficiency of different programming models, and financial and human resource configurations, and provides cost estimates for services and systems.

Demonstrate accountability

Data quality improvement. Data.FI solutions include our **Data Quality Score**, intended for use above-site to assess data quality before investments in site-level audit processes, and **anomaly detection**, which uses statistical approaches to model relationships between variables and identify atypical observations.

Indicator and data capture tool development.

Data.FI refines and harmonizes indicators and tools.

Ensure sustainability

HIS coordination. Data.FI works with local stakeholders to strengthen HIS governance, ensuring data standards and data safety protocols are aligned and met, and that system investments are sustainable

FOR MORE INFORMATION

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