The primary functionality of the Go.Data tool is to facilitate and support data collection for outbreak response, including case investigation, identification, and listing and tracing of contacts, as well as data management and analysis.

The health content of the solution includes:

- Case data: allows for thorough recording of case information, encompassing demographics, clinical data, and exposure history.

- Contact data: provides robust capabilities for registering contact data, including demographic, clinical, and follow-up data.

- Data visualization: offers a range of analytics functionalities encompassing a dashboard with graphs and key performance indicators for cases, contacts, and chains of transmissions. Additionally, it includes an interactive function for analyzing chains of transmissions, along with a Gantt chart to oversee critical timelines for laboratory and outbreak-related activities.

- Mobile functionality: includes a companion mobile application for iPhone and Android devices, which is focused on performing in-field contact tracing activities and case and contact data collection.

- Reporting and analysis: enables the generation of detailed reports and analytics to support informed decision-making during outbreaks.

Access Information

SOURCE CODE

https://github.com/WorldHealthOrganization/godata

WEBSITE

https://www.who.int/tools/godata

CONTACT

godata@who.int

WHO System Classification

PRIMARY

E1 | E1 Emergency preparedness and response systems

ADDITIONAL

A3 | A3 Decision support systems

General Details

PRIMARY USERS:

The solution's primary users are outbreak responders in general, including epidemiologists, contact tracers, data managers, lab personnel, response managers, etc.

REACH OF TECHNOLOGY:

The Go.Data tool has been implemented globally in all World Health Organization (WHO) regions, at national and/or subnational levels

TYPE:

Software Application

OPEN SOURCE LICENSE:

GNU General Public License Version 3, 29 June 2007

Geographic Reach & Impact

By the end of 2021, Go.Data had been implemented in 65 countries and territories, as well as more than 115 institutions (
https://iris.who.int/handle/10665/352606).

● 1 implementation   ◉ More than 1 implementation
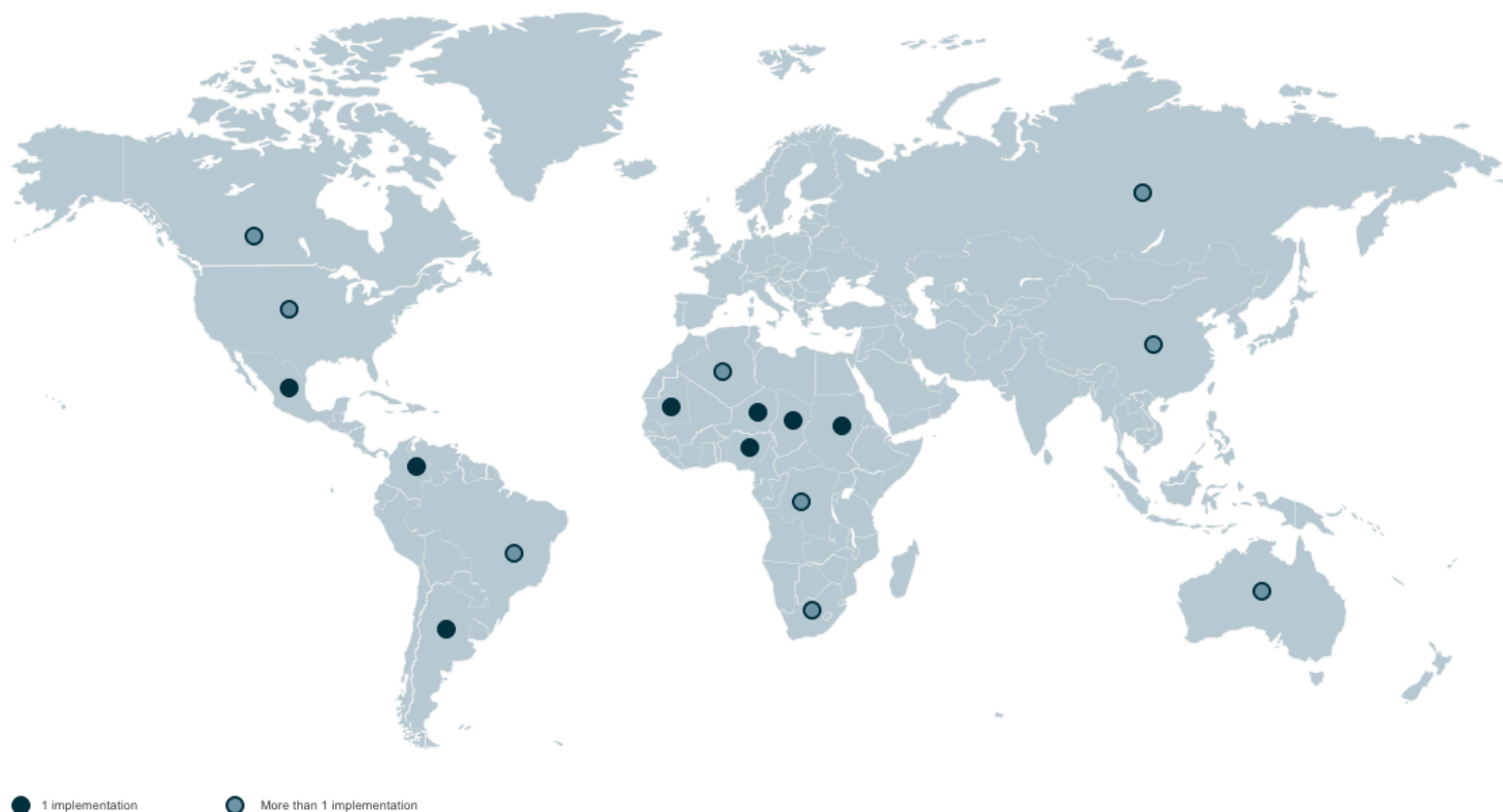
Standards & Interoperability

- Security: HTTPS, SSL, SSH

- Authentication and authorization: OAuth 2, JWT (JSON Web Tokens)

- Internationalization (i18n): UTF-8

- Web standards: HTML, CSS

- Application Programming Interfaces (APIs): Open API

- Data exchange/configuration formats: JSON, YAML, XML, CSV

- Standard content formats: PDF

OPENHIE COMPONENT
Health Management Information Service

Maturity

All maturity model assessments are self-reported by the funded organization leading the software development of the global good.

Maturity Matrix: 2023

Global Utility

Country utilization	**Medium**
Country strategy	**Medium**
Digital health interventions	**High**
Source code accessibility	**High**
Funding and revenue	**High**

Community Support

Community engagement	**Medium**
Community governance	**Medium**
Software roadmap	**High**
User documentation	**High**
Multilingual support	**High**

Software Maturity

Technical documentation	**Medium**
Software productization	**High**
Interoperability and data accessibility	**High**
Security	**Medium**
Scalability	**High**

Resources

Documentation URL
https://github.com/WorldHealthOrganization/godata

Architectural Documentation URL
https://github.com/WorldHealthOrganization/godata/blob/master/docs/integration/0-integration-overview.md,
https://github.com/WorldHealthOrganization/godata/tree/master/docs/interoperability

Issue Tracking URL
https://github.com/WorldHealthOrganization/godata/blob/master/CONTRIBUTING.md

User Guide URL
https://goarn.who.int/virtual-spaces/godataproject

Community

The Go.Data community of practice (CoP) is dedicated to creating an inclusive environment that facilitates collaboration among users, allowing them to connect, access valuable resources, and exchange their expertise, knowledge, and solutions. This community primarily consists of public health professionals, including epidemiologists, contact tracers, IT specialists, and other responders who participate in dialogue regarding successes, challenges, and recommendations derived from the implementation of the tool. Members share relevant publications, training materials, and best practices.

The Go.Data CoP is a global initiative, with members from various countries working together to enhance the tool's effectiveness and applicability in diverse public health settings.

PLATFORMS / MAILING LISTS

In May 2024, the Go.Data CoP transitioned to the GOARN Knowledge platform, where content and users are now in the process of transitioning to this recently launched space. The content that was previously published and shared on the old site is not included within the new site.

The recently re-launched website for the Go.Data CoP can be accessed on the GOARN Knowledge platform via the following URL: https://goarn.who.int/virtual-spaces/godataproject .

EVENTS & CONFERENCES

The Go.Data project team has successfully organized a series of events to disseminate updates and facilitate knowledge exchange among community members. These events included the WHO Global Consultation on Go.Data interoperability, which focused on discussing interoperability in the context of the global Go.Data rollout, sharing technical and operational experiences, and identifying opportunities for collaboration (https://www.who.int/news-room/events/detail/2022/06/07/default-calendar/who-global-consultation-on-go.data-interoperability).
Additionally, the team hosted a webinar on Go.Data-DHIS2 interoperability, demonstrating the application's impact through a specific use case (https://goarn.who.int/virtual-spaces/godataproject). Furthermore, the launch event marked the transition of the Go.Data tool to open source provided a platform for various stakeholders to learn about the project and its interaction with the WHO Open Source Programme Office (OSPO), as well as ways to contribute and engage further. (https://www.who.int/news-room/events/detail/2024/04/24/default-calendar/transition-of-the-go.data-tool-to-open-source--launch-event).

Sustainability

The application is supported by core funding from WHO. Funding from various donors including the US Centers for Disease Control and Prevention (CDC), the US Agency for International Development (USAID), the Australia Department of Foreign Affairs and Trade (DFAT), and others was utilized to facilitate the development and implementation of Go.Data. Additionally, several GOARN partners contributed in-kind support to aid in the successful rollout and implementation of Go.Data activities.