



DIGITAL LAB INFORMATION SYSTEMS

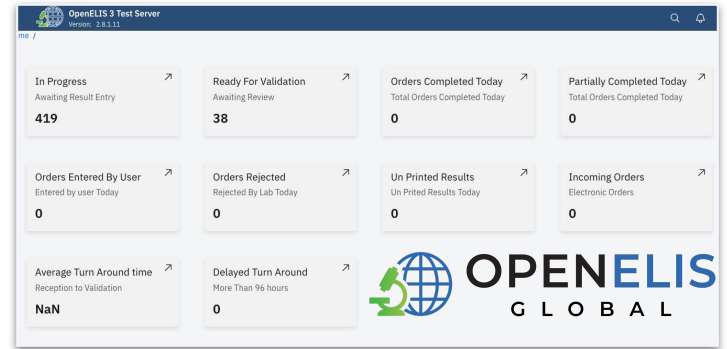
WHY OpenELIS

If you are a public health laboratory professional, you know how challenging it can be to **manage your laboratory data and processes**. You need a laboratory information system that can handle the diverse and complex needs of your laboratory, such as different types of tests, workflows, devices, standards and regulations. You also need a system that can **communicate with other systems, such as electronic medical records, health information exchange platforms and national databases**. And you need a system that is **reliable, secure and scalable**, so you can provide quality laboratory services and contribute to better patient care. That's why you need OpenELIS Global.

ABOUT OpenELIS

OpenELIS Global is an **open enterprise-level laboratory information system software designed specifically for public health laboratories**. It is based on open source web-based technologies and has been successfully deployed and used at a national scale in various settings, from small general hospital labs to national reference laboratory networks.

OpenELIS Global is not just a software, it is also a **business process framework that can help you optimize your laboratory operations and management**. OpenELIS Global offers a community of users, developers and partners who share best practices, experiences and innovations. By joining the OpenELIS Global community, you can access technical support, training resources, updates and enhancements, as well as contribute to the development and improvement of the software.



OpenELIS FEATURES

OpenELIS Global has many features and benefits that can help you improve your laboratory performance and efficiency.

- > **Automate work plans, workflows and reports**, so you can save time and resources
- > **Import results** from analyzers and devices to avoid manual data entry and errors
- > **Support complex workflows** such as pathology, cytology, microbiology and molecular biology, to handle different types of tests and samples
- > **Reduce turnaround times & errors**, so you can improve the quality & accuracy of results
- > **Meet ISO & SLIPTA accreditation standards**, and demonstrate your laboratory's competence and credibility
- > **Enhance data security and privacy**, so you can protect your laboratory's data and comply with ethical and legal requirements
- > **Integrate with other systems using standards-based interoperability**, so you can exchange lab orders and results with your electronic medical records system using a modern FHIR based API, and communicate with national level health information exchanges
- > **Customize and configure** the software to suit specific needs to your laboratory's context and preferences. OpenELIS is fully available in English and French, and ready to easily add other languages.



OPENELIS GLOBAL



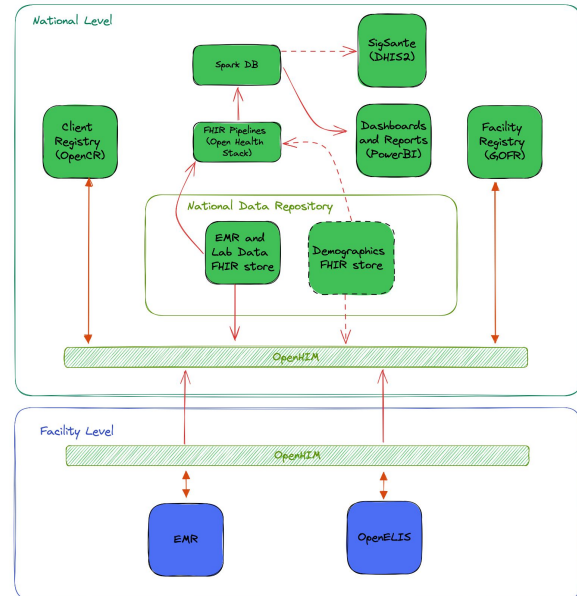
A GLOBALLY RECOGNIZED, STANDARDS-BASED LAB SYSTEM

OpenELIS Global has been officially recognized as a **Global Good for Health** by Digital Square. We are excited to join this esteemed group of impactful, scalable, and adaptable software digital goods.



OpenELIS has been acknowledged as a Digital Public Good by the Digital Public Goods Alliance. We are thrilled to be recognized alongside other open-source projects that **advance the Sustainable Development Goals**.

Our Lab Information System **conforms to all specifications and architectures of OpenHIE and ISO requirements**, and complies with the needs of labs seeking accreditation.



OPENELIS GLOBAL IMPLEMENTATION

OpenELIS Global has been implemented in hundreds of reference and clinical laboratories around the world. Here are examples of two national level implementations.

Côte d'Ivoire

In **Côte d'Ivoire**, OpenELIS is operational in more than 180 clinical and reference laboratories. We have supported a centralized national data warehouse where health program managers can view trends in use of lab tests and view data useful for surveillance of lab results over time, with ability to drill down by region and health facility. We have also established interoperability between OpenELIS and the national electronic medical record system for automated transfer of lab orders and results.

Mauritius

In **Mauritius**, we advanced the national goals of an interconnected national health information system during the Covid-19 pandemic by implementing OpenELIS in Covid-19 testing sites throughout the country, including a pop-up lab in the international airport. We integrated OpenELIS global with a border control application used by all travelers arriving in Mauritius to collect travel attestations, health declarations, and Covid-19 testing data, with links to local health offices for any needed public health follow up.



For more information about DIGI LIS-EMR data exchanges, visit

<http://healthinformationexchange.org>

OpenELIS Global:
The ultimate solution for public health laboratories



To learn more about OpenELIS Global, please visit our website at openelis-global.org. You can also contact us at digit@uw.edu. We would love to hear from you and help you get started with OpenELIS Global.