

Benin: Driving Local, Digital Solutions for Health Commodity Management: Benin eSIGL

GLOBAL HEALTH SUPPLY CHAIN TECHNICAL ASSISTANCE (GHSC-TA) FRANCOPHONE TASK ORDER (TO)

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A health facility manager using the Benin eSIGL for malaria commodities.

LOCALLY-IDENTIFIED GAPS IN STOCK MANAGEMENT

In Benin, the Ministry of Health identified the need to improve the digital supply chain end-to-end visibility of logistics data for strengthened stock management practices and more informed decision-making.

Without accurate visibility on stock levels, overstocks and understocks in malaria and family planning commodities were common.

The Ministry of Health lacked a comprehensive overview of the resource levels readily available. Lack of mapping of actual coverage and resource gaps for the electronic Logistics Management Information System (Benin eSIGL).

Low capacity in using eSIGL, including synchronization delays and failure to respect offline or online use, have led to discrepancies between stock sheets and reports. In addition, the use of data for decision-making remains low.

CREATING WITHIN THE EXISTING DIGITAL ECOSYSTEM

Benin eSIGL centralizes the management of health commodities in an integrated system, ensuring data visibility and interoperability with existing subsystems, and is available without internet access. This system has been adopted as the country's single health commodity management system, hosted at a government data center.

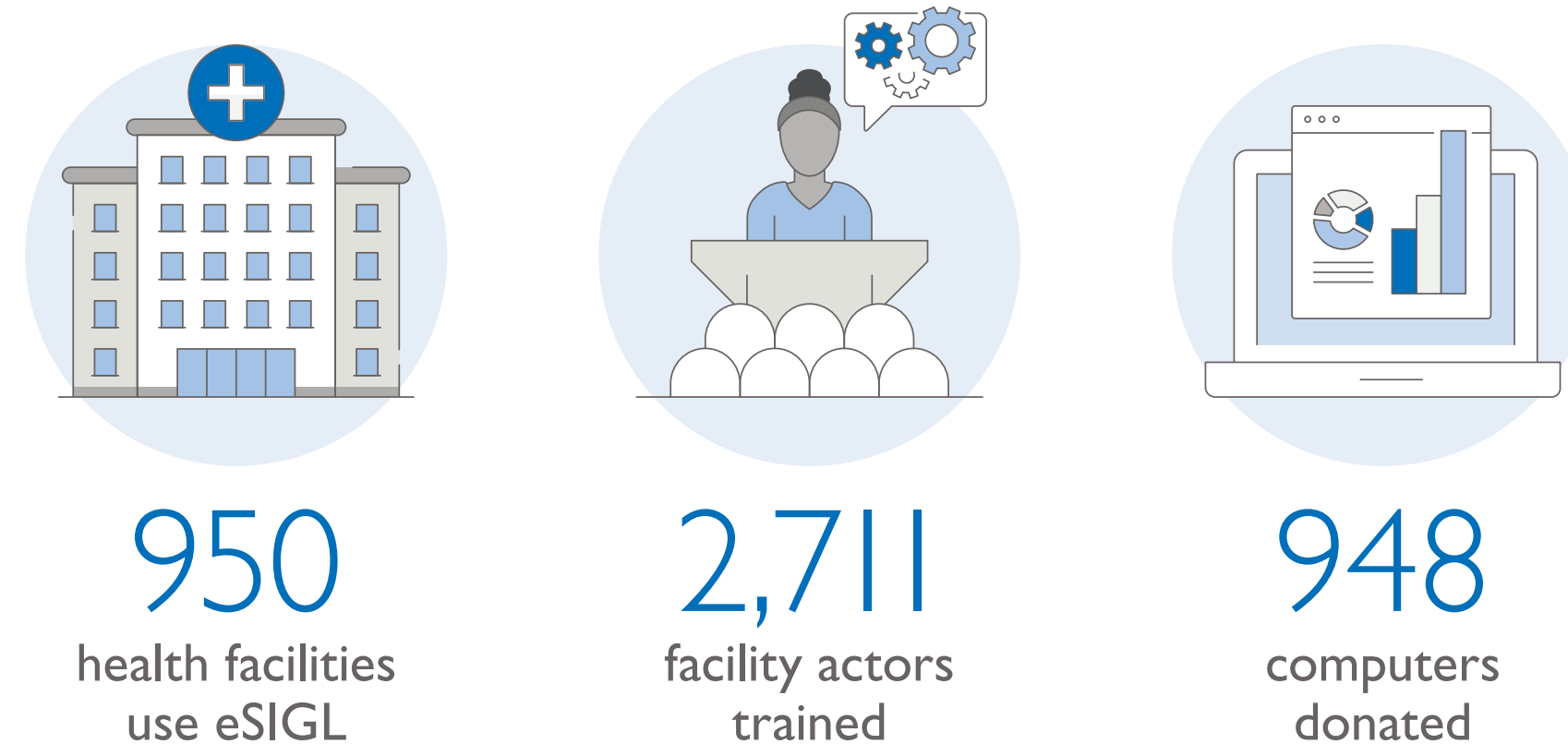
DATA-DRIVEN, LOCALIZED DECISION-MAKING

Francophone TO worked with the Direction Nationale de Santé Publique (DNSP) and the Direction des Systemes (DSI) to rapidly expand the system to improve the visibility of logistics data. The teams set up the platform to reinforce the visibility of logistics data and then deployed software, equipment, and a strong system of stock management training.

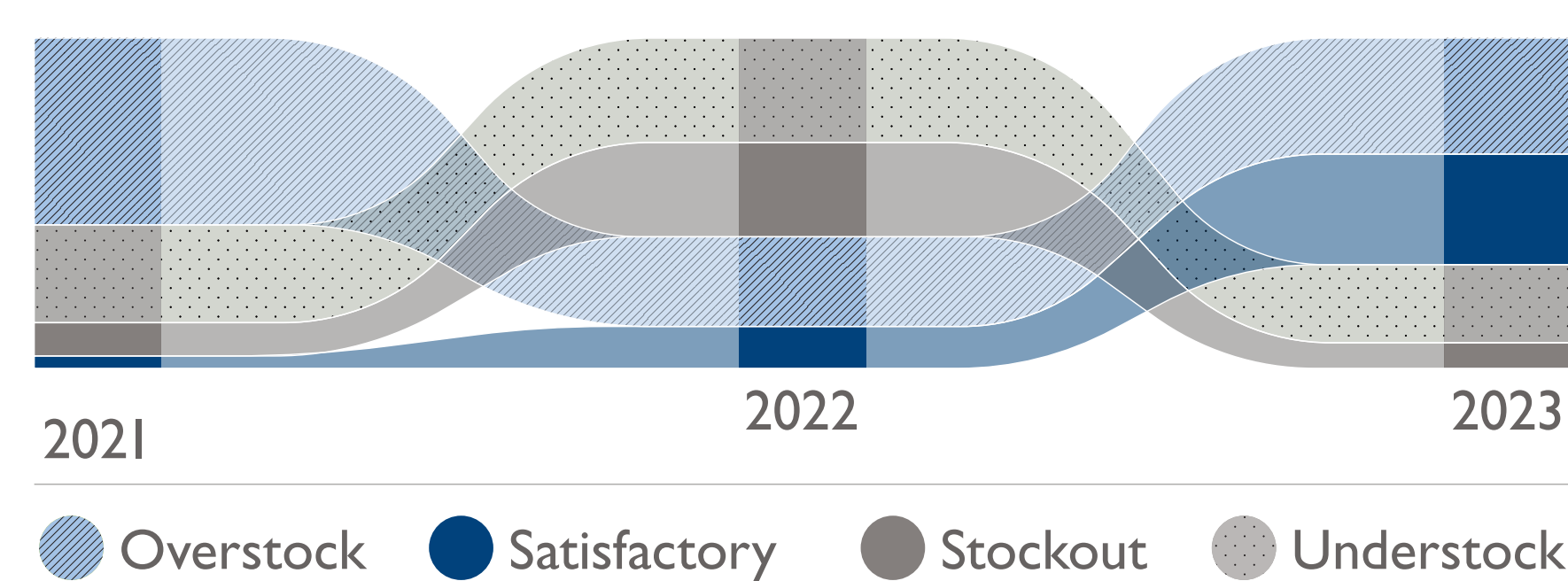
This online and offline tool enables the day-to-day management of healthcare logistics operations and transactions for more than 1,000 health commodities, including ordering, receipt, issuing, and transfers of the commodities.

IMPROVED COMMODITY AVAILABILITY

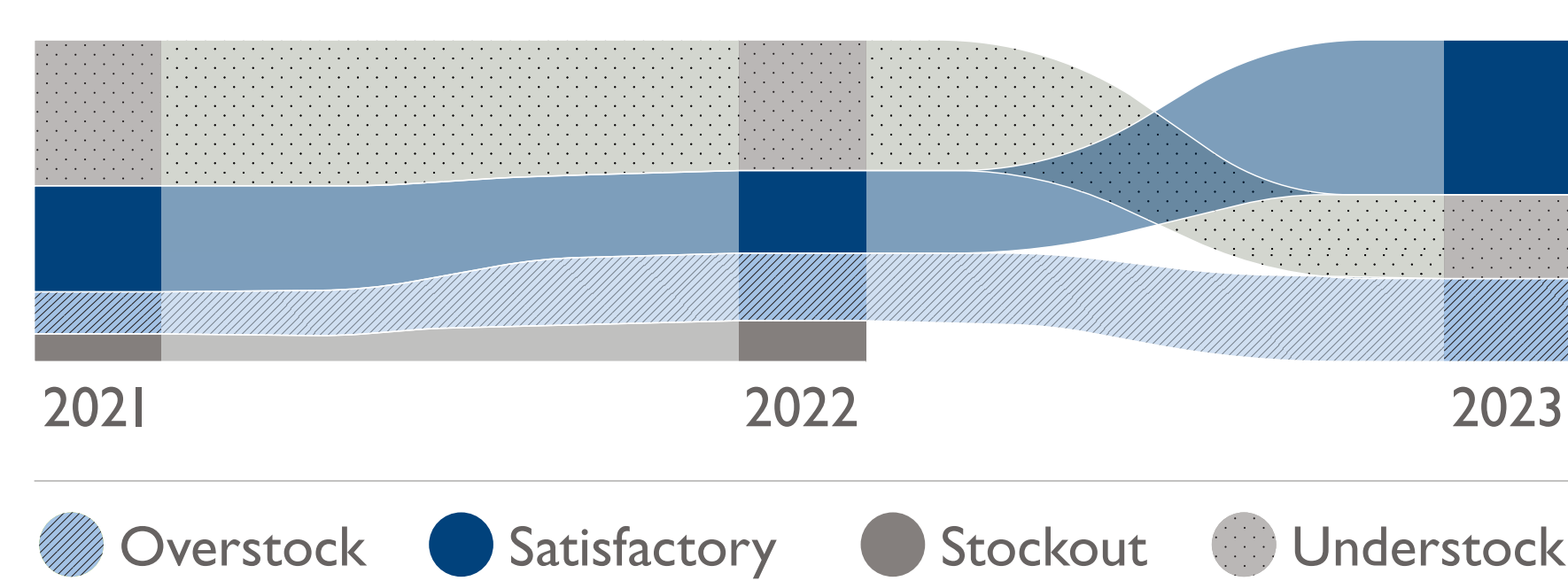
Benin eSIGL has improved the visibility of commodity stock levels at all levels of the supply chain, providing timely data-based decision-making and preventing stockouts at the service delivery point sites. The graphs below show trends of overstock to understock for both Family Planning/Reproductive Health and Malaria from 2021 through 2023.



STOCK STATUS TREND – FP/RH



STOCK STATUS TREND – MALARIA



SCALABILITY

Benin eSIGL enables local partners to address stock management challenges by implementing cost-effective tools that draw on technology, including electronic logistics management information system (eLMIS) software with on/offline modes and data dashboards to view real-time stock data. Due to it having been developed within the existing digital ecosystem, led by local actors, Benin eSIGL can, and will, be scaled to additional areas for use such as immunizations and HIV dispensing systems during FY24 and FY25.

100% COVERAGE AT THE SERVICE DELIVERY POINT

By April 2024, 8 months in advance of the target, **100% of central, regional, and health zones, and service delivery points use Benin eSIGL** to manage their health commodities, improving reporting rates and reducing stockouts of life-saving health commodities. This gives the Benin Ministry of Health new and more accurate visibility of its health supply chain.

This system has continued potential to be scaled to include interoperability with the Government of Benin's ePharmacie system.

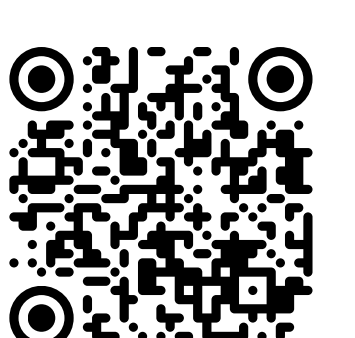
Francophone TO will continue to:

- Develop a roadmap for assessing existing equipment, staff, and structures; identifying gaps and associated costs; advocating with the government and other technical and financial partners to fill identified gaps.
- Support the DNSP and the DSI to continue to conduct post-training supervision and on-site coaching to ensure the correct use and handling by all stakeholders.



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