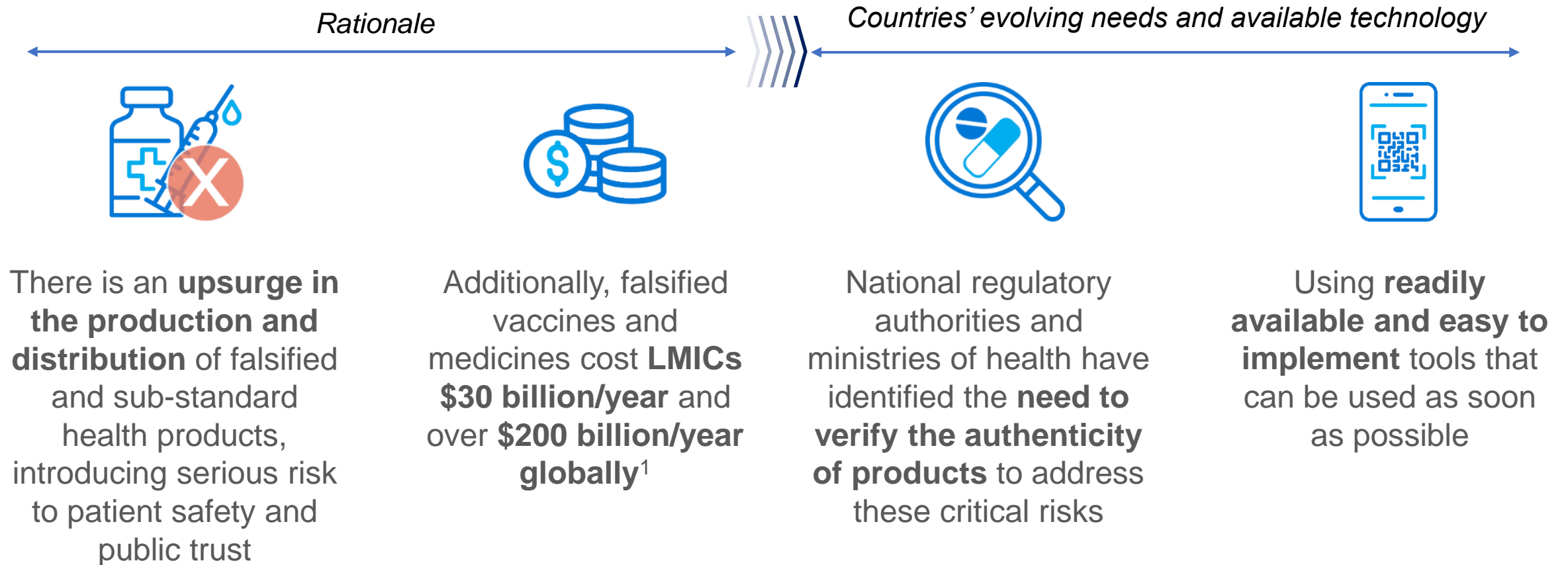


# Verification & Traceability Initiative

Supporting countries to reduce the urgent risk of falsified and diverted health products in national supply chains with a vision toward national traceability of all vaccines, medicines, and health products.



# Risks and Opportunities



<sup>1</sup> WHO, A Study on the Public Health and Socioeconomic Impact of Substandard and Falsified Medical Products, 2017.

# The Verification & Traceability Initiative

## Goal:

Enable lower middle-income countries (LMICs) to manage the risk of falsified health products and diversion in their national supply chains, while setting the foundation for the establishment of national traceability and supply chain visibility systems in the long term.

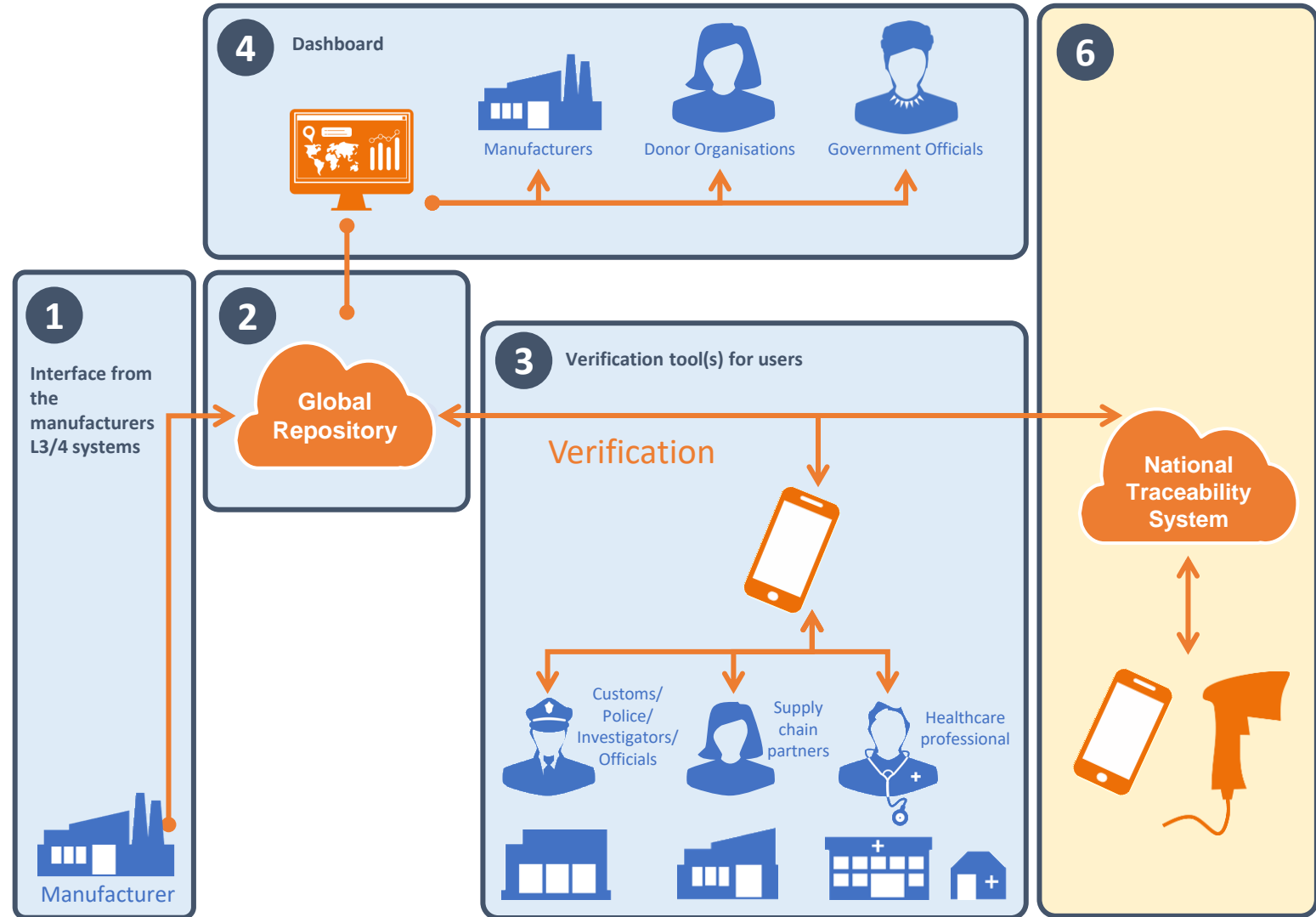
## Objectives:

1. Support COVID-19 response efforts by making available (in the very short term) a verification tool that countries can choose to access and use for managing supply chain risks (i.e., falsification and diversion).
2. Establish a global repository of trusted health product information that can host traceability data from COVID-19 vaccine manufacturers and can be accessed by in-country verification solutions (e.g., via national system integration with the global repository or use of a deployable mobile application) on country specific timeline.
3. Help accelerate the adoption of GS1 enabled traceability systems in LMIC countries.

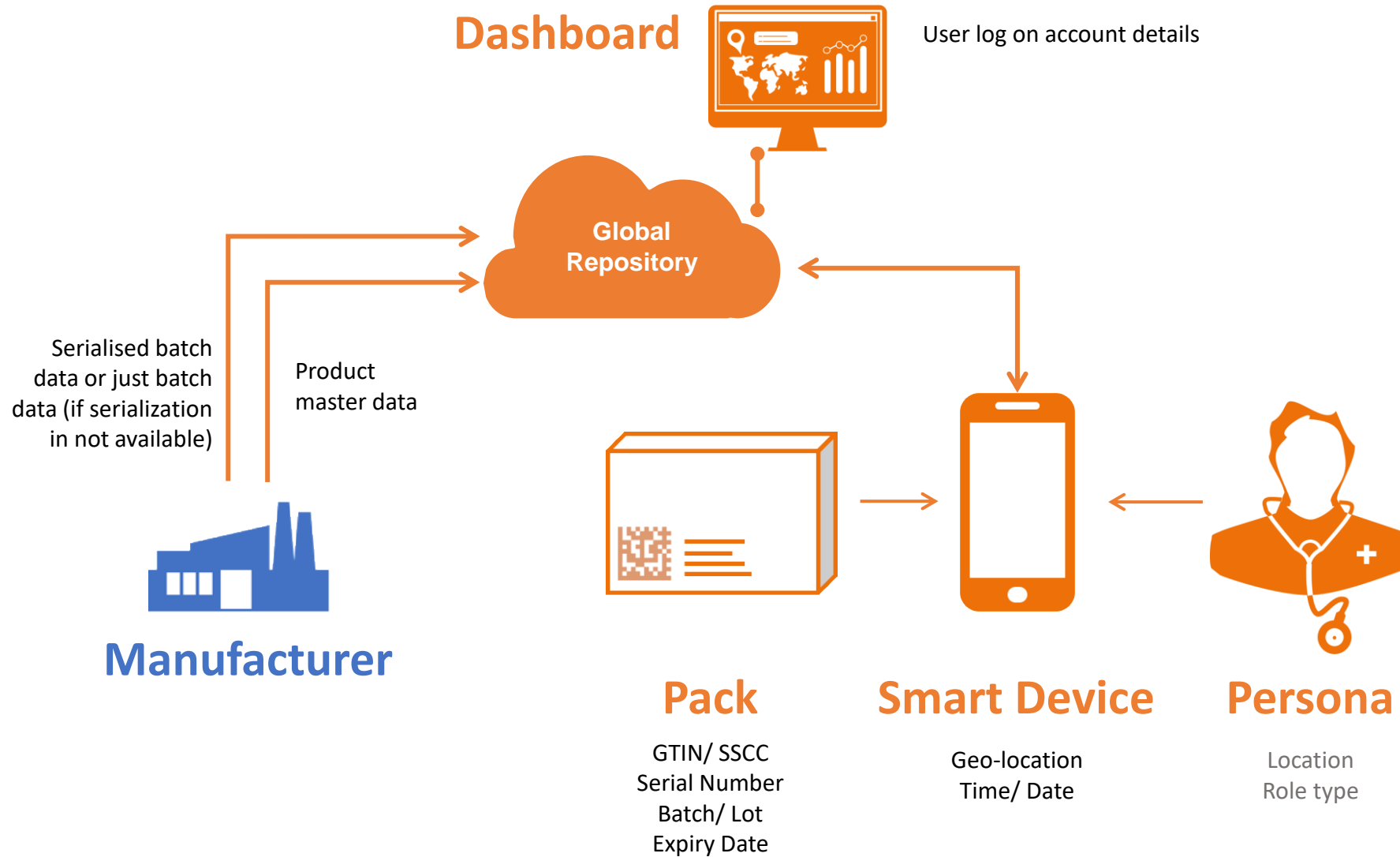


# Design of a Global Repository and Tools

- **Country-level product verification** will enable regulatory authorities and ministries of health to verify the authenticity of all health products stored in the global repository of trusted health product information.
- The global repository can be queried through a standalone **mobile app** or an **integrated national traceability system** (where one exists).
- The global repository may be used as a **pre-national traceability system in future** so it is important that the repository is built on a software platform capable of full EPCIS traceability to allow future growth of functionality.



# Data Generation and Sharing



# Data Use by Role

## National Regulatory Authorities

- National authorities are responsible for responding to verification failures and suspect activity, and implementing verification processes.



## Manufacturer / Suppliers

- Manufacturers and/or suppliers that are providing serialization data into the system.



## System Administrators

- System administrators, planners and operators whose primary role is to oversee the health of the system and review for events and assist with escalation of issues.



## Supply Chain Partners

- Logistics providers along the supply chain that can check on the validity of the product as it moves through their portion of the supply chain.



## Customs/ Police/ Investigators/ Officials

- Officials responsible for checking on the entrance of goods and following up on potential cases of non-standard products.

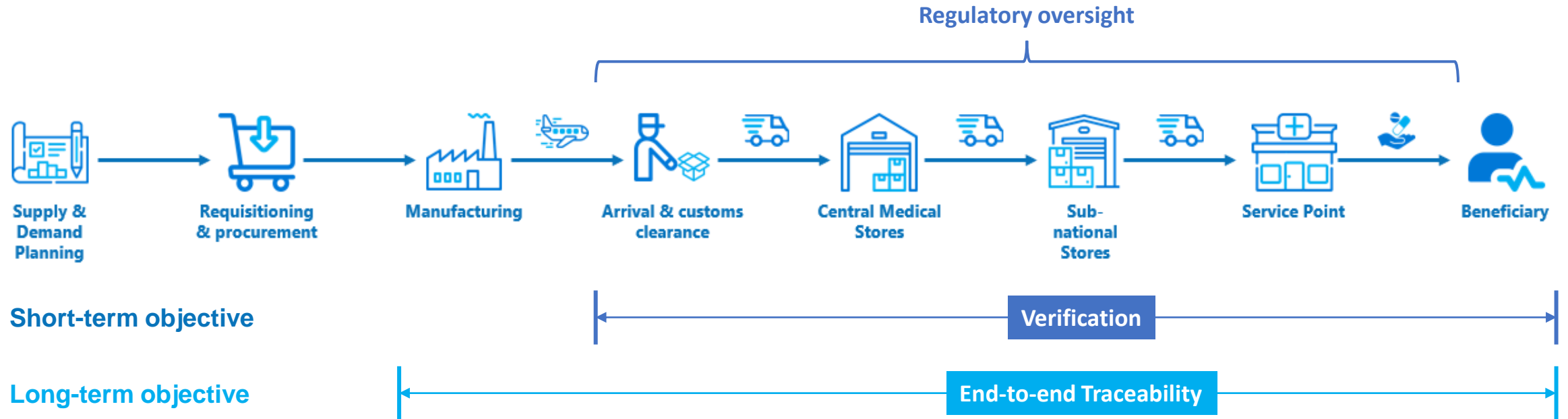


## Healthcare Professionals

- Healthcare professionals responsible for the preparation and delivery of the goods to the end recipient.



# Engaging Partners and Products Across the Supply Chain



## Partners

- National Regulatory Authorities
- Manufacturers
- Donors
- Supply Chain Partners
- Implementing Partners
- Healthcare Providers

Bridge funding for immediate deployments may be available through COVID-19 response funding:

- GAVI: [COVID-19 Vaccine Delivery Support \(CDS\)](#)
- USAID: [American Rescue Plan Act \(APRA\)](#)
- Global Fund: [Procurement and Supply Chain Strategic Initiatives \(PSM-SI\)](#)

Long-term funding to support scale through health systems strengthening may be available through:

- USAID
- The Global Fund
- The World Bank

# Thank you!

To learn more about the Verification & Traceability Initiative or to get involved, please contact the Project Management Unit for the Verification & Traceability Initiative (Vital Wave):

[traceability@vitalwave.com](mailto:traceability@vitalwave.com)



# Appendix

- [WHO policy paper on traceability of medical products](#)
- WHO position on [Bar-codes, QR codes and Vaccine Vial Monitors in the context of COVID-19 vaccines](#)
- Information about the WHO's [support for countries to prevent-detect-respond to SF medical products](#)
- [Meeting of the Member State mechanism on substandard and falsified medical products](#)
- WHO efforts to develop a [shortages database](#)