



Traceability & Verification System for Health Products

TRVST is an asset of the Verification and Traceability Initiative



Gates
Foundation



European
Commission

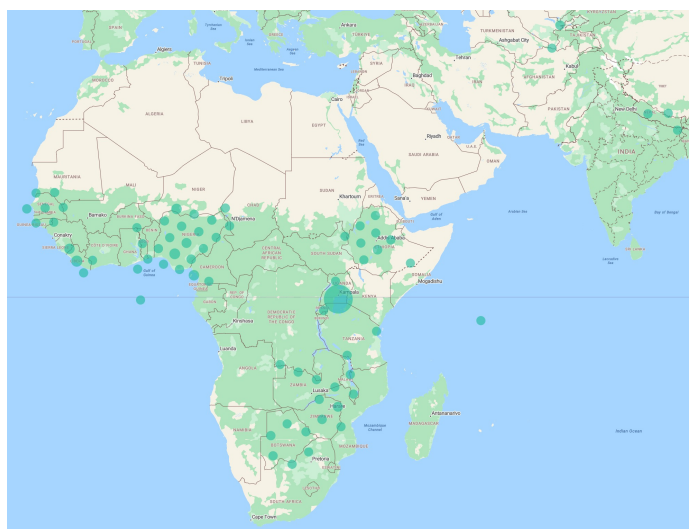




A powerful market surveillance service to monitor the supply chain for falsified products and illegal diversion

Combating Falsified Medicines And Strengthening Supply Chains With A Single Scan

In response to the risk of falsified COVID-19 medicines, TRVST VERIFY was established to monitor and identify fake products. The system enables users to scan a GS1 DataMatrix barcode on product packaging and verify the data against trusted records held within the platform. Since its launch, adoption of TRVST VERIFY has grown significantly expanding the number of products, manufacturers, and countries using the system. There are currently 15 countries live, with over 20 expected by the end of 2026. However, the deployment of TRVST VERIFY is about more than product verification and market surveillance. It serves as a tool to support countries on their journey toward traceability and stronger supply chains, in support of the WHO Maturity level 3 target.



The platform equips low- and middle-income countries (LMICs) with the capability to apply barcoding in a national setting while helping users gain hands-on experience with supply chain scanning and data management. This implementation represents an important milestone on each country's roadmap toward full traceability.

Currently, countries can scan more than 60 million serialised packs stored in TRVST VERIFY, representing 274 different products. Approximately 90% of UNICEF-procured vaccines (valued at around \$2 billion) are already enabled in the system. Looking ahead, TRVST VERIFY is expanding both its geographic reach and product scope. UNICEF is actively working with medicine suppliers to bring additional products online.

At the same time, an increasing number of traceability solution providers are integrating with TRVST through its open APIs, as more manufacturers seek access to the system to better protect their products.

**TRVST
winner of the
Pan African Supply
Chain Awards for
Innovation in
Pharmaceutical
Supply Chain**



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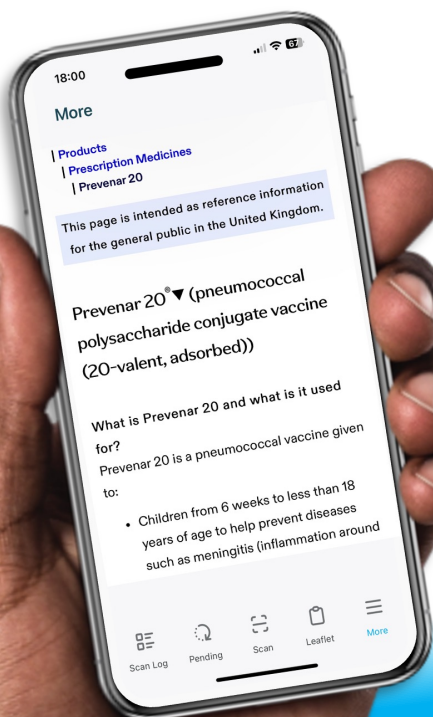
**A global validated solution
allowing users to manage links
to digital content**

Seamless Access To Product Information Through Barcode Scanning

In today's healthcare environment, access to accurate and timely product information is paramount and the demand is growing from regulators who are actively working on digital legislation and pilots in the EU, Japan, Singapore, Malaysia, Indonesia, Jordan, Thailand, and beyond. That's where TRVST DIGITAL steps in, offering a cutting-edge validated solution using the GS1 Digital Link Standard, to bridge the gap between physical healthcare products and their digital online information.

This innovative system is designed to empower patients, healthcare professionals, and carers alike, ensuring everyone has the up-to-date information they need, in the format and language they require, right at their fingertips.

TRVST Digital transforms the way users interact with healthcare products. No longer do you have to trawl through the internet find the content you need, by simply scanning the existing 2D DataMatrix barcode, on any supported healthcare product, users are instantly linked to the product's authorised source of digital content which can include access to product leaflets, instructional videos, safety information, and much more.



The system is designed with robust security features, granting only the Market Authorisation Holder the ability to establish these digital links. This means that the product information or connections to their own resolver service are managed exclusively by authorised parties, safeguarding the integrity and reliability of the content provided. All link setup and management are handled through a convenient self-service portal.

There is also no need for a second QR barcode on the product and the lengthy artwork update processes this requires, linking to digital content can be done immediately. Multiple barcodes have also been shown to cause confusion for users and take up critical space on the packaging.

Join the digital revolution and experience the future of healthcare engagement with TRVST DIGITAL.

- ✓ **GS1 Digital Link Resolver**
- ✓ **Validated for Healthcare**
- ✓ **Access controlled and secure**
- ✓ **Trusted provider - UNICEF**
- ✓ **In live operation**





A single hub to link manufacturers and national traceability systems

Bringing Countries and Manufacturers Closer Together Through an Interoperable Hub

As low- and middle-income countries (LMICs) continue developing regulations and implementing national traceability systems, manufacturers are increasingly required to provide serialisation and traceability data for the products they supply to each market. Over time, this will lead to a growing number of connections between manufacturers and countries.

Building and maintaining these connections demands significant time and resources from both manufacturers and national authorities. It also introduces complexity and risk, as each country may have different requirements for how product data is shared.

This is where TRVST HUB can make a difference. By implementing a central hub, both manufacturers and countries need to establish only one interface to TRVST, rather than building multiple direct connections. This approach reduces costs, simplifies integration, and accelerates how quickly manufacturers can provide data to new national systems.

A similar approach has already proven successful in Europe, where more than 2,500 manufacturers connect to a single European Hub that securely forwards data to each country's national system. This harmonised model allows countries to retain control of their own systems while benefiting from the efficiency of a shared connection point.

The TRVST HUB service is currently under development and is planned to go live in 2027.



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Increasing Supply Chain Visibility and Building trusted supply chains.



The TRVST platform is built around three core elements, with TRVST TRACK being the third. At its core lies a powerful traceability system based on GS1 EPCIS standards. TRVST TRACK is not designed to replace national traceability systems. Instead, it enhances visibility by capturing traceability events before products arrive in-country, helping to maintain a complete end-to-end record of product movement. This is particularly valuable when goods are shipped through pre-country warehouses rather than directly to their destination.

When manufacturers upload serialisation and traceability event data, it is securely stored in TRVST TRACK. When used in combination with TRVST HUB, this data can also be shared with national systems, supporting greater interoperability across the supply chain.

For countries that have electronic logistics management systems (eLMIS) but have not yet implemented national traceability systems, an API is currently being developed to enable the sharing of logistics event data with TRVST TRACK. Supply chain visibility and related insights will then be available through the TRVST Dashboard.

There may also be other opportunities to leverage TRVST TRACK for specific high-risk products before a national system is in place. This can be achieved by capturing product movement event data directly through the TRVST app and is something currently being investigated.





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