



# Healthcare Conference 2022

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## Global COVID-19 vaccination programme

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# Global Covid-19 vaccination programme

GS1 UK Healthcare conference - London

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17 March 2022





More than 24 months ago WHO declared the coronavirus outbreak **a global pandemic.**

In March 2022 we see over **6 million deaths** and **over 446 million infections** worldwide, but also **billions of vaccines administered.**

# Our world has changed...



...and healthcare has never been more important to everybody than it is now!





**The global pandemic  
has had a huge  
impact on the  
healthcare sector –  
on hospitals,  
caregivers and  
patients across the  
world!**



# A global problem



which requires global collaboration, global supply chains, interoperability – and global standards



# The digital transition



GS1 enables healthcare's digital thread



GS1 standards should be used by all stakeholders in the supply chain – providing interoperability and enabling collaboration

# Trust in our supply chains



- Where are necessary products?
  - Where have they been?
  - Are they authentic products?
  - Are they still fully effective?
  - Who has received which product?
- **Visibility and traceability are essential to create TRUST!**





# WHO Policy Paper on traceability



- A set of guidance and recommendations for all WHO members countries
- The paper includes an unprecedented acknowledgement of the impact and benefits of global standards to enable traceability throughout the supply chain and interoperability across systems.



“The GS1 standards that are currently the global family of standards in wide use globally for pharmaceuticals.”



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(21)12345678901

Source: WHO, 2021

# ICMRA Recommendations – August 2021



**International Coalition of Medicines Regulatory Authorities (ICMRA):** more than 30 regulatory authorities, WHO and HC stakeholders.

ICMRA developed the recommendations on common technical denominators for traceability systems for medicines to allow for interoperability.

International regulators emphasised that the use global standards as one of the technical common denominators for interoperability of traceability systems with an explicit reference to GS1: **“GS1 standards are the most widely accepted and adopted international data standard for pharmaceuticals identification, coding and data exchange.”**

“As the world gears up for the largest deployment of vaccines in history, it is more important than ever that supply chains are up to the task of maintaining trust and ensuring effective, timely delivery. We need to be able to **trace every vaccine dose**—from shipping to delivery and finally administration—using technologies such as **2D DataMatrix** barcodes, and we need better **adoption of common standards** across to optimize cost and product visibility.”

— Dr. Seth Berkley, Chief Executive Officer, Gavi

Source: [Securing trust in the global COVID-19 supply chain](#), page 18. Deloitte, 2020.



# Barcoding: a mandatory technical requirement in all COVAX and UNICEF tenders

**For tenders issued after October 2019, the following language is included in all vaccine tenders as part of mandatory technical requirements:**



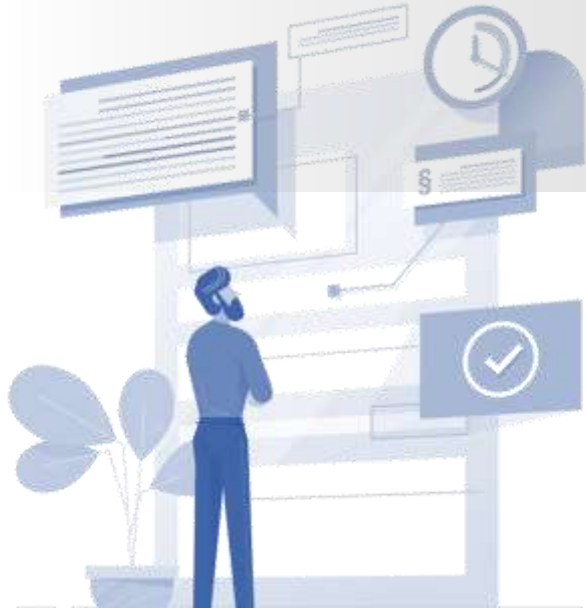
## **Bar Codes**

With implementation latest 31st December 2021, bar codes are required on all packaging levels used by manufacturers for supply to UNICEF, with the exception of primary packaging. **Bar codes shall conform to GS1 standards**, allowing through a unique company prefix to identify vaccines available in the global supply chain from each manufacturer. The bar codes shall include Global Trade Item Number (GTIN), lot number and expiry date.

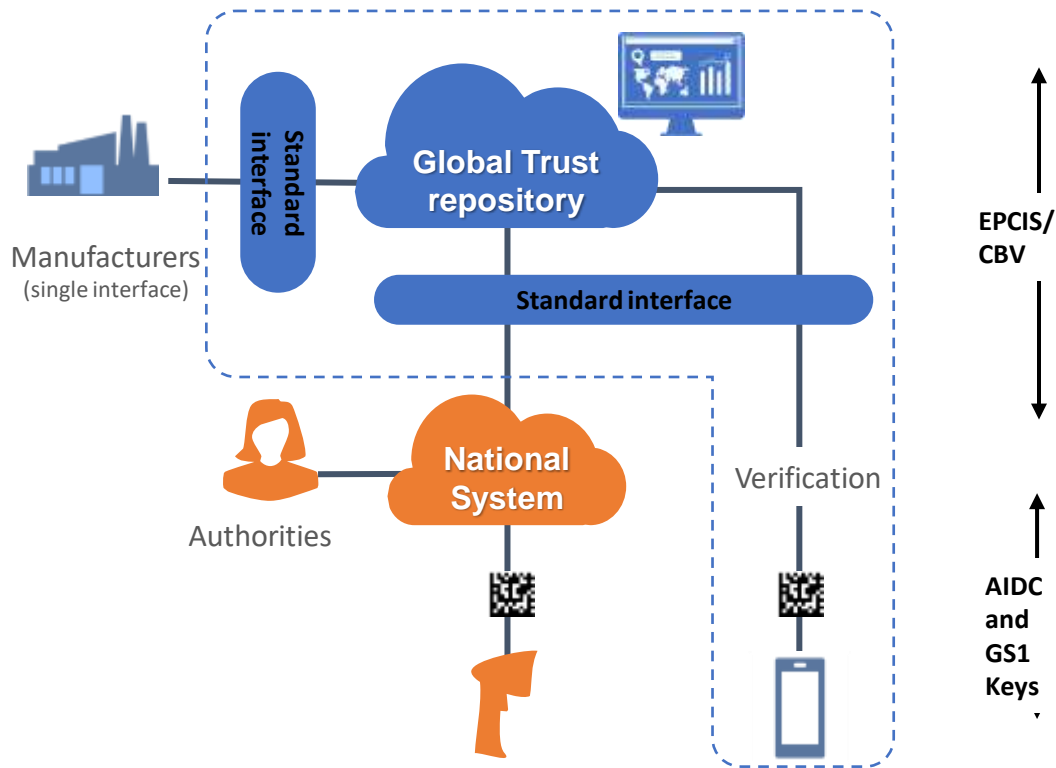


**Exceptionally for the Covid-19 tender, the following is included as a preferred characteristic:**

*In addition to the standard requirements, serialization is required.*



# Global Trust Repository Vision



Traceability Roadmaps Implemented – Data Visualization of Scanning

The capability can be broken into 3 elements

A **pre-country EPCIS system** which will transfer traceability data to national system, when in place. (similar to the EU FMD EMVS)

An optional **product verification capability** for use where there is no national system in place.

A **reporting and dashboard capability**

# Implementations showing the benefits



Ireland



Australia



Turkey

# Some key points...



- The global pandemic has shown us the need for **cooperation and interoperability**
- **Trust** in an efficient and safe supply chain is needed
- Our **supply chains are global** and across borders

**GS1 standards are an important enabler. They can play a key role in overcoming the current pandemic and improve healthcare processes for a better future.**

**Thank you.**

**Safer, more efficient care starts with a simple scan!**

