



# VPPAG Bar Code Subgroup – An Update

Barcoding for Efficient Handling in the Vaccine Supply Chain

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# What Is WHO / VPPAG?

- **Vaccine Presentation and Packaging Advisor Group**
  - Forum for public sector and vaccine manufacturers
  - Discuss and reach consensus on vaccine presentation and packaging issues
  - Support the development of products suited to low and middle income country contexts.
  - VPPAG is a standing committee for **Immunization Practices Advisory Committee (IPAC)**
- **Bar Code Subgroup (Working Group)**
  - Established in 2011
  - Reporting back to the full group.
  - Members include: IFPMA<sup>1</sup>, DCVMN<sup>2</sup>, UNICEF Supply Div, GAVI, PATH, CDC and GS1

<sup>1</sup>International Federation of Pharmaceutical Manufacturers and Associations

<sup>2</sup>Developing Country Vaccine Manufacturer's Network



# Supply Chain





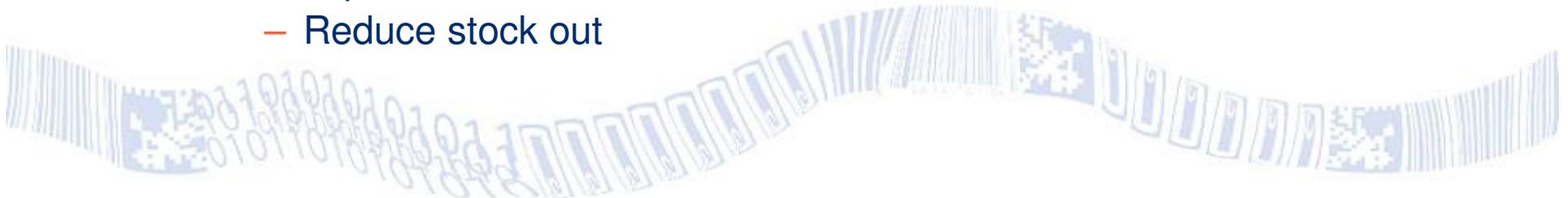
# Objective & Driving Force of the WG

## OBJECTIVE

- Provide input on bar coding by
  - Adopting a standard
  - Recommending data elements for
    - Primary
    - Secondary
    - Tertiary

## DRIVING FORCE

- Improve Stock Management at the country level through bar coding
  - Increase visibility by using AIDC techniques through bar code implementation
  - Reduce stock out





# Starting the Momentum

- Level Set



- Vision



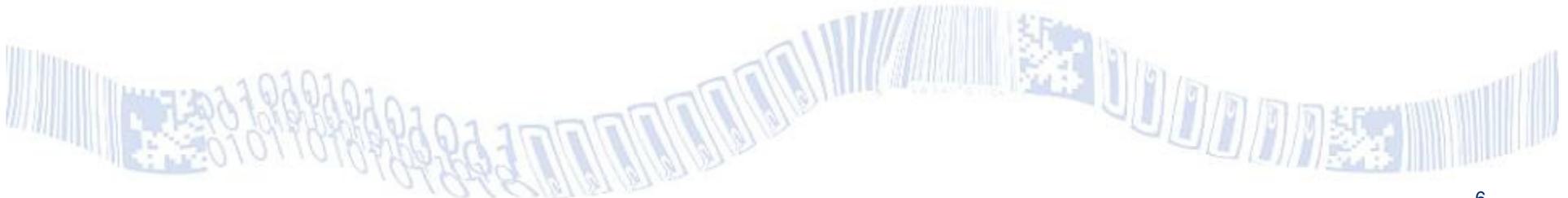
- Challenges





# Building on the Momentum

- Proposed Pilot – Tanzania
  - Determination of vaccines to be used for a study
    - UNICEF
    - Tanzania Gov.
  - Existing GAVI programs would fund vaccines in Tanzania
  - Collaboration with manufactures
    - Introduction of the barcodes needed for the supply chain
      - Initial at tertiary and secondary packaging
      - Addition of a SSCC at the insulated shipping box and or pallet





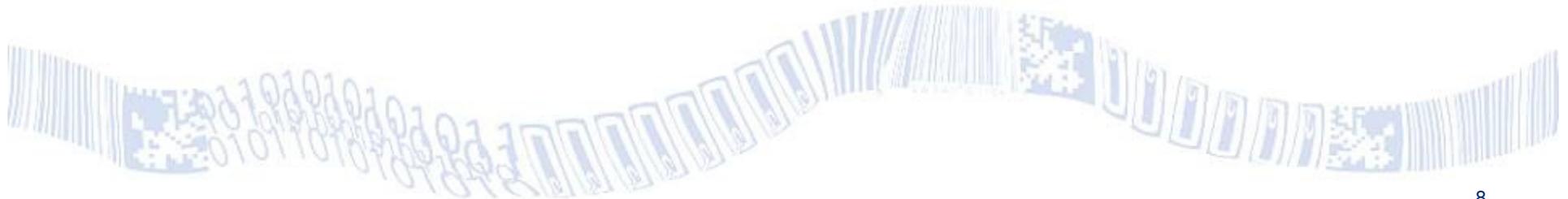
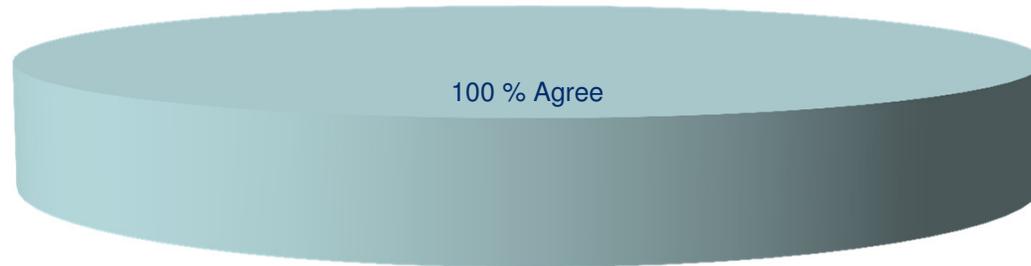
# Information Gathering

- Questions still remained
  - Bar code standard
  - Data set to include
  - Time horizon



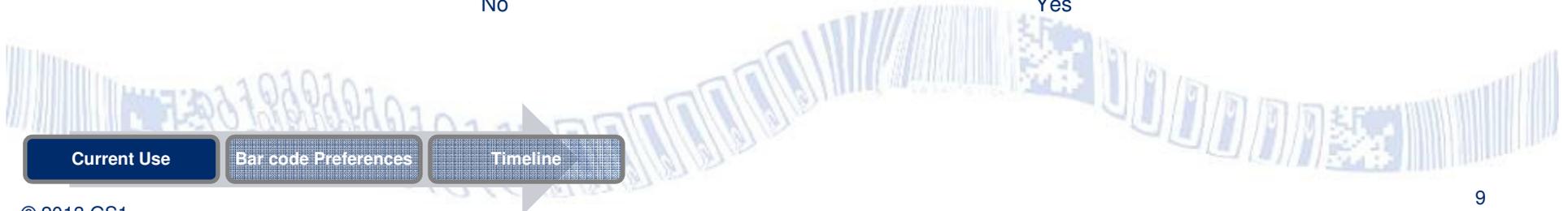
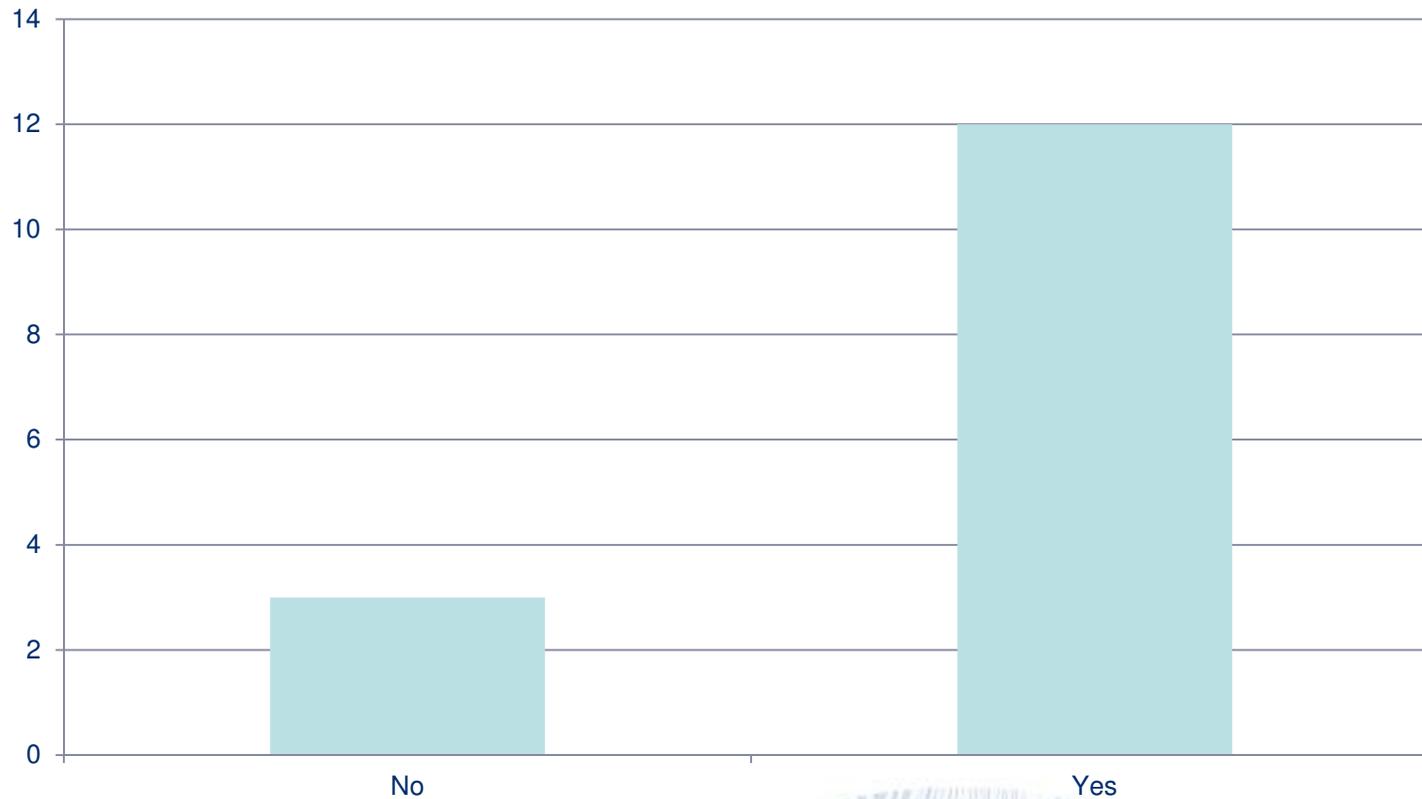


# GS1 standard: 100% of manufacturers say that GS1 is the most appropriate standard to adopt



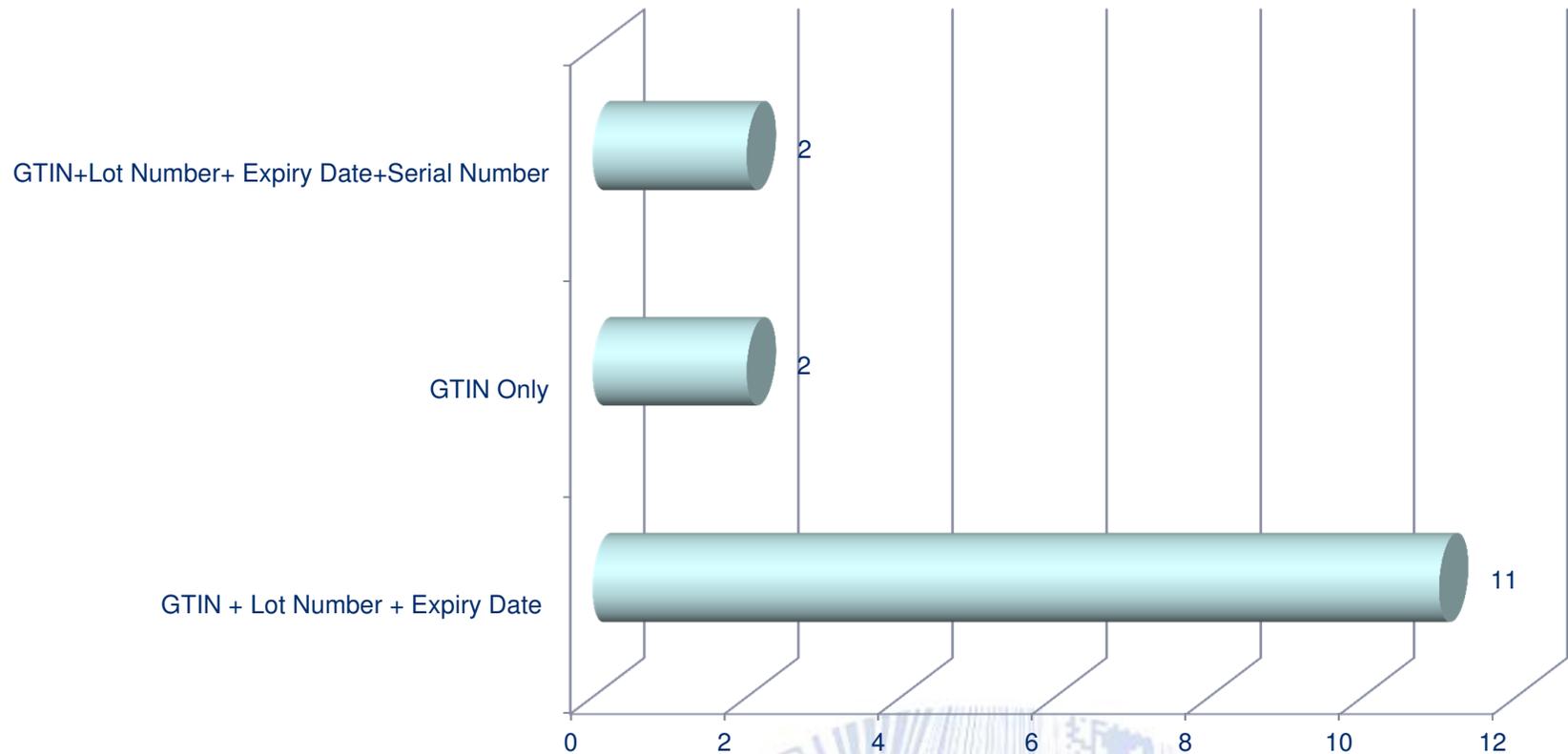


# Do you currently include bar codes on any levels of packaging for vaccines, in any markets?



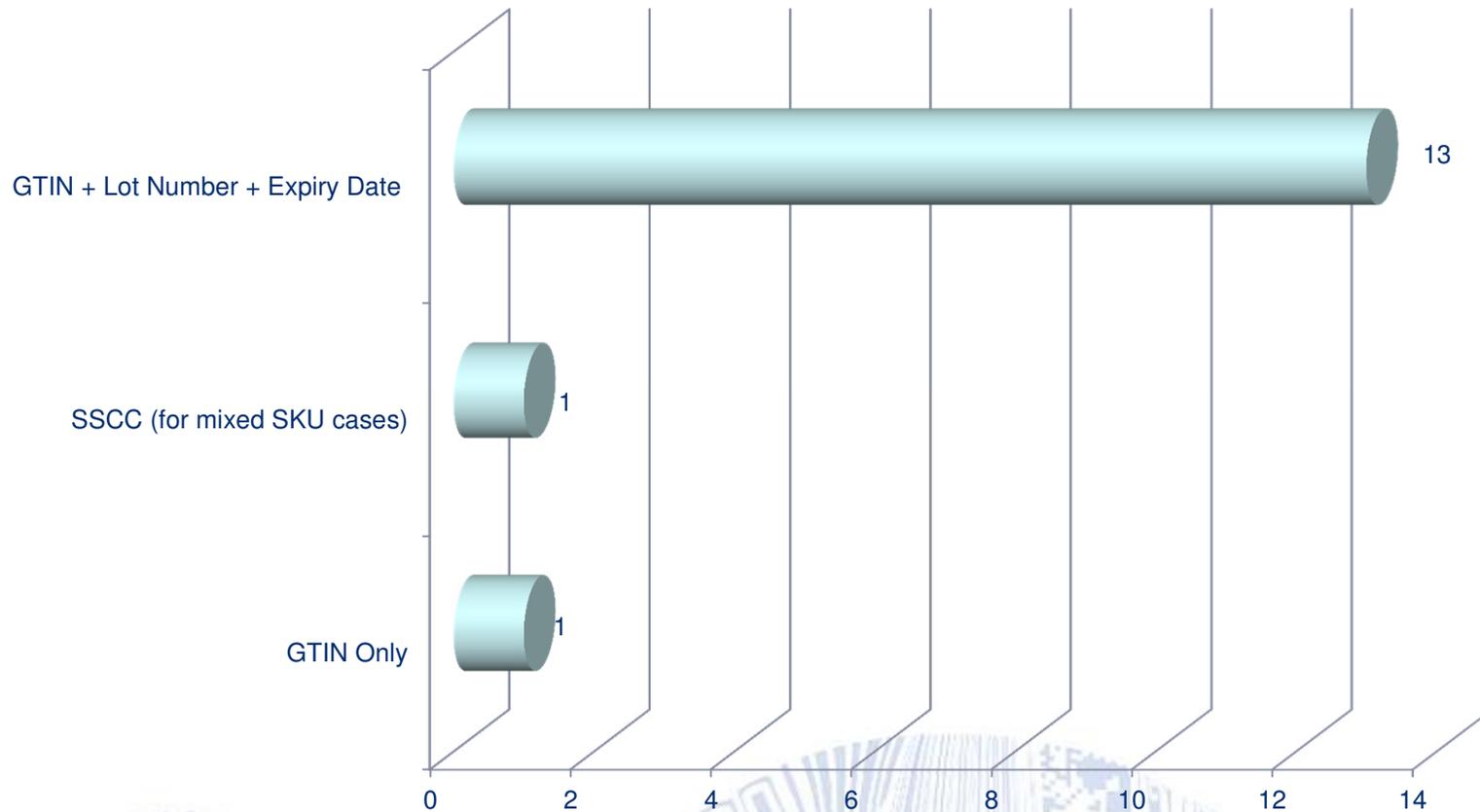


# What information should be encoded onto a bar code for secondary packaging?





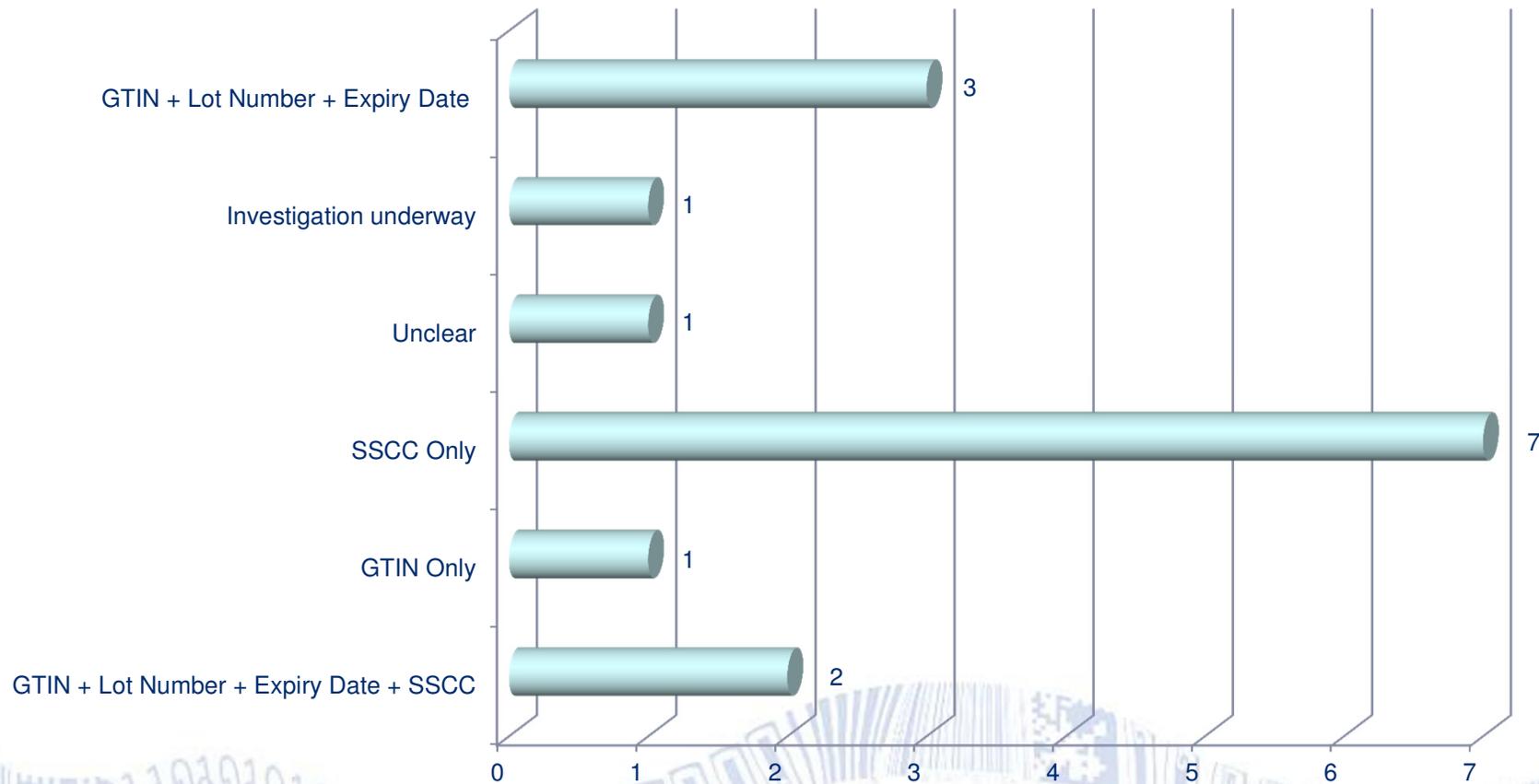
# What information should be encoded onto a bar code for Case (when used as a trade item)/Shipper?



Current Use | **Bar code Preferences** | Timeline



# What information should be encoded onto a barcode for Case/Shipper or Pallet as logistics units?



Current Use

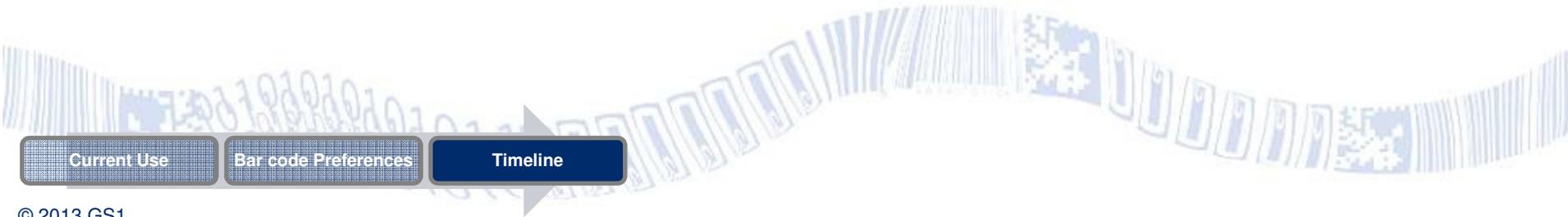
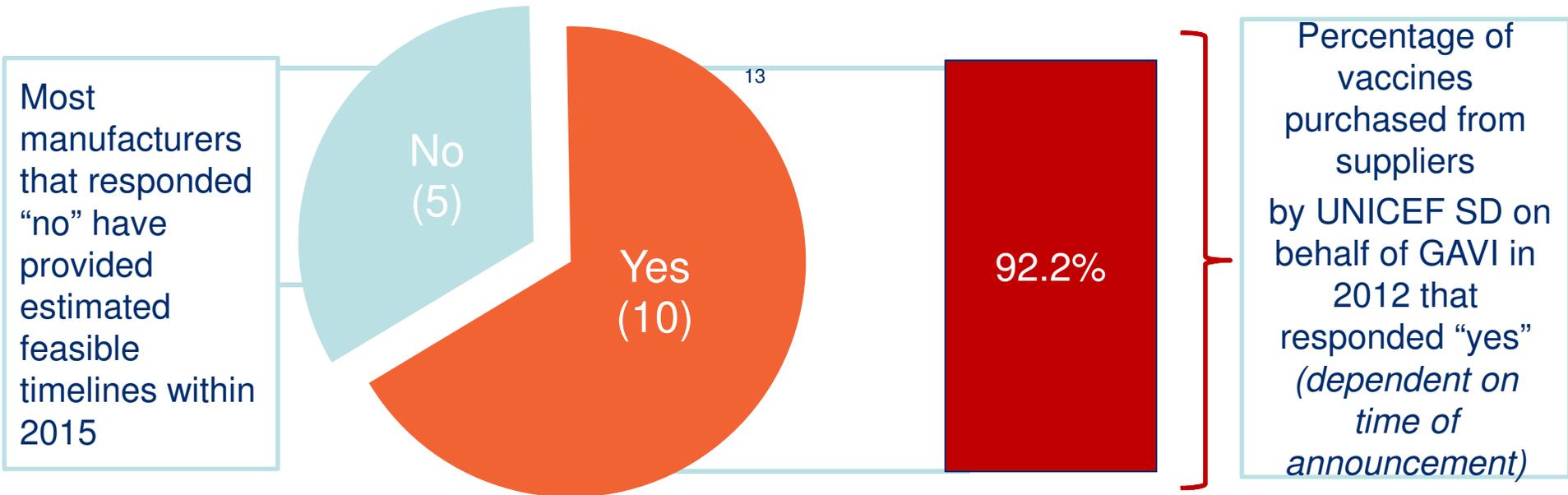
Bar code Preferences

Timeline



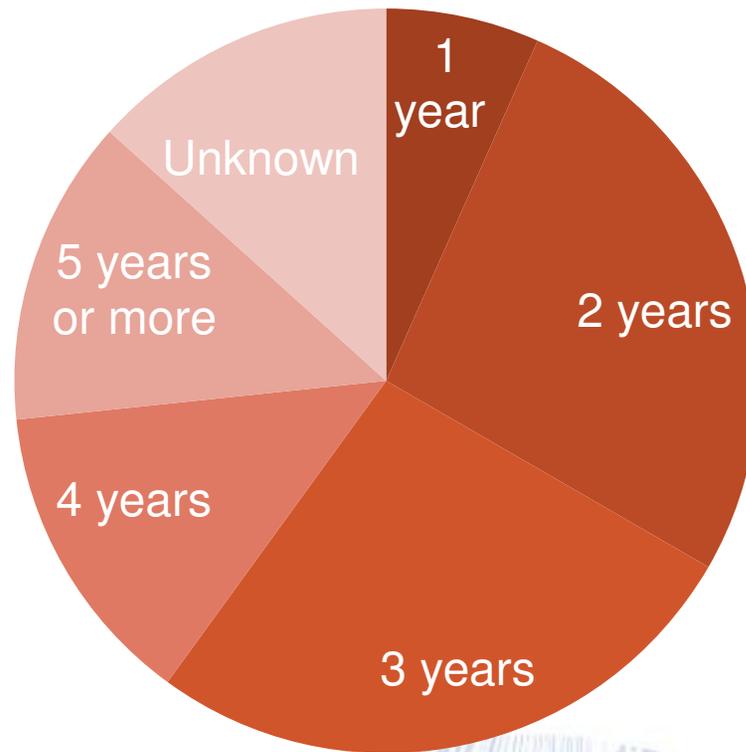
# WHO, UNICEF and GAVI are considering requiring bar codes on all secondary packaging and case-shippers, and an SSCC on pallets, by the end of 2014. Is this timeline feasible?

Manufacturer Response





**From a manufacturer's perspective, what do you feel is a realistic timeline for including bar codes (GTIN + lot number + expiry) on all primary containers for low and middle income country use?**





# Recommendation

#1 **Recommends** the use of GS1 standards for bar codes used on vaccines and diluents prequalified by and purchased through UN agencies

#2 **Recommends** the inclusion of

GTIN + Lot number + Expiry date<sup>1</sup>

on bar codes located on secondary and tertiary packaging for vaccines and diluents prequalified by and purchased through UN agencies

#3 **Prefers** the use of the SSCC on case/shipper or pallet packaging for vaccines prequalified by and purchased through UN agencies

<sup>1</sup> In keeping with the GS1 flexibility, the order of variable and non-variable fields are not specified.



# Thank You

VPPAG Barcode Subgroup Contacts:

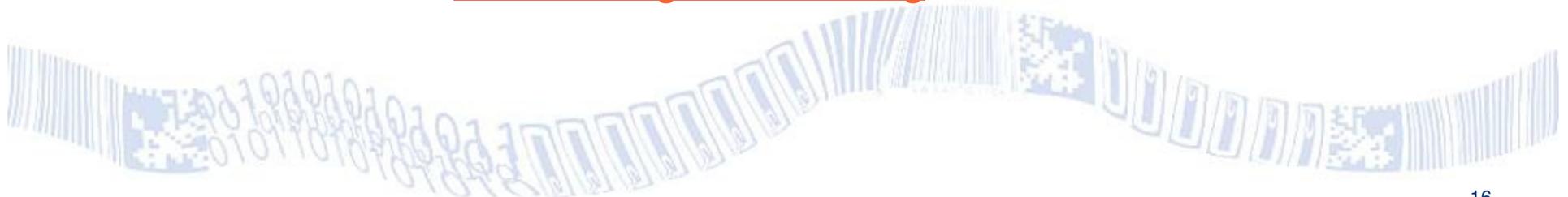
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