

Global Update: iSC Data for Management Progress, challenges and priorities

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WHO & UNICEF

Data for Management, one of the Five Fundamentals of the Gavi Alliance immunization supply chain strategy



Leaders

Supply chain leadership

- Strengthening HR for supply chain management.



Plans

Supply chain continuous improvement plans

- Develop a comprehensive national supply chain management plan.



Data

Supply chain data for management

- Stimulating better use of data for supply chain management.



Cold chain equipment

Supply chain cold chain equipment

- Ensure improved quality and choice of equipment for immunisation supply chains.



System design

Supply chain system design

- Improve efficiencies in supply chain structures and in the distribution and transport of vaccines.

Data for Management: indicators & dashboards

What's the issue?

- Good quality, fit for purpose supply chain data **may not always be available**, or if it is, may not be used
- Capturing data is **a chore**
- Data flows one way up the chain and there's **no feedback mechanism**
- Data has **little immediate value** to the person collecting it
- Data is **not acted upon**

So what can be done?

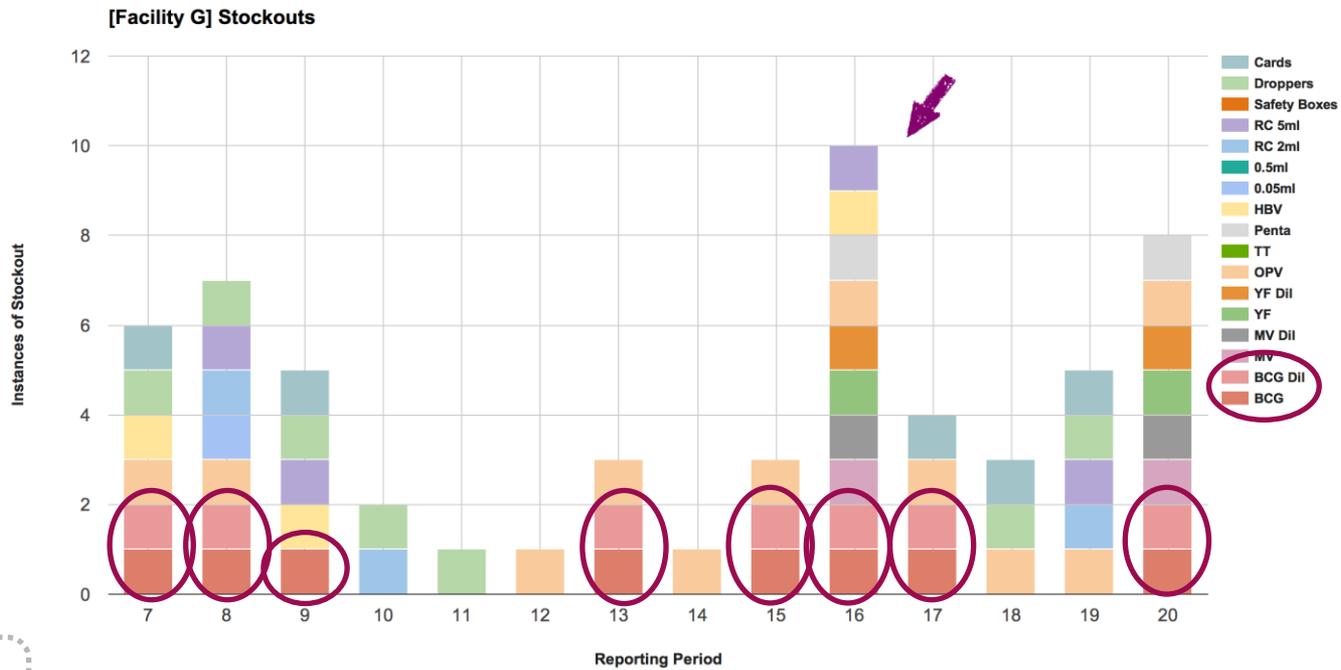
- **simplify** the capture of data, the number of data pieces collected and the visualisation of results
 - identify and use **relevant information for each level**
 - ensure data allows **root-cause analysis and action**
 - establish a flexible system that allows for **continuous improvement**
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What has been done?

- Draft menu of **primary indicators**
 - action-oriented
 - standardized but non-prescriptive
 - per immunization supply chain level
 - Draft **guidance** on planning for and using indicators and dashboards
 - including experience from countries
 - based on supply chain capability and maturity
 - user-centric: linked to people and processes
 - Output is to have an **evolving on-line resource**
 - Audience includes country governments, implementing partners and software companies
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Primary Indicator: Stock out rate

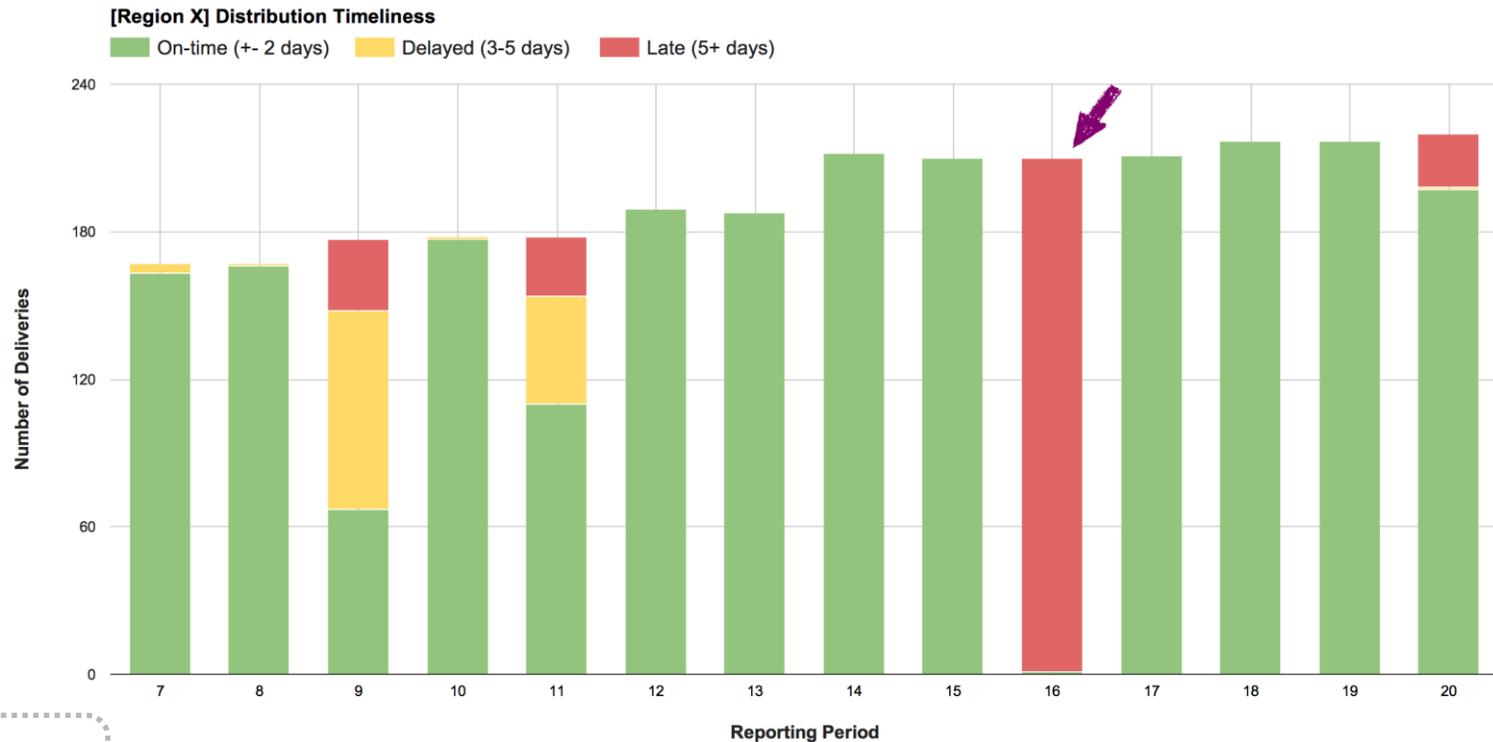
Percentage of re-supply periods with a stock-out event by product. Stock-out is defined as store or health facility not able to meet demand. Zero stock is only considered a stock out if it resulted in missed demand.



illustrative

Primary Indicator: On-time and in-full deliveries

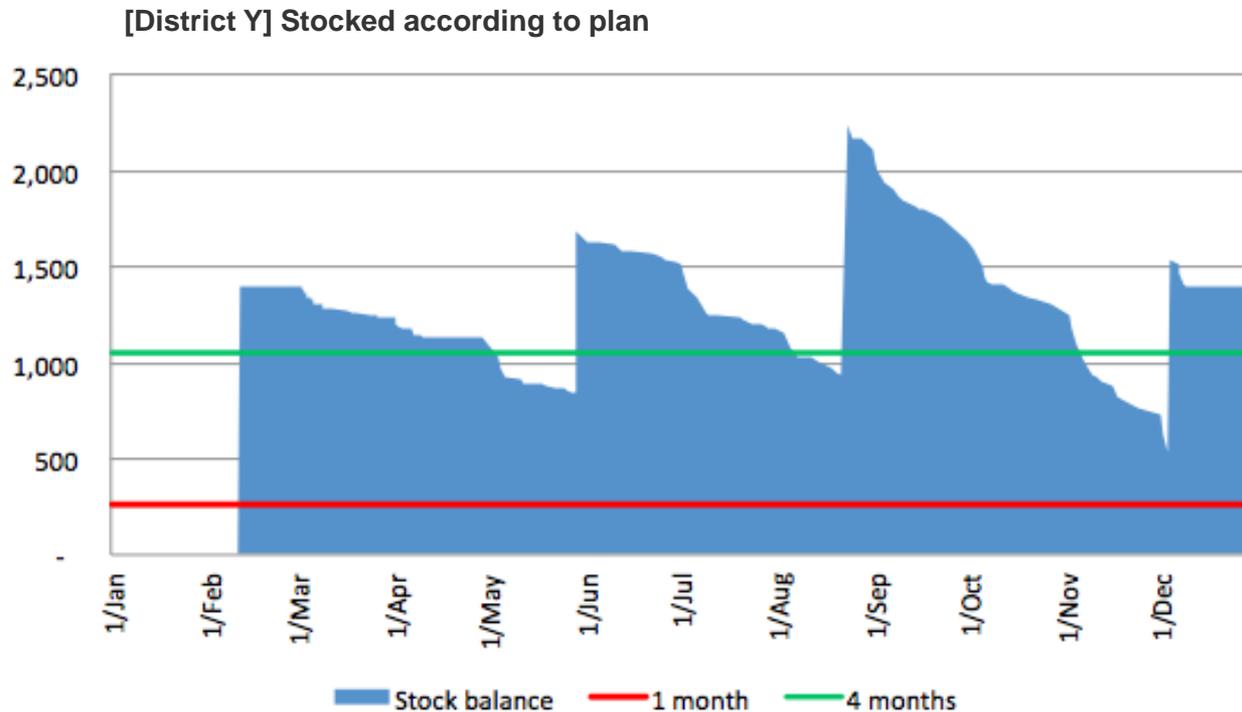
Percentage of deliveries correctly delivered - in terms of timeliness (delivered when expected) and in-full (expected quantities and products) - over total number of deliveries.



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Primary Indicator: Stocked according to plan

Visualisation of stock levels compared to established minimum and maximum level for each product over time.

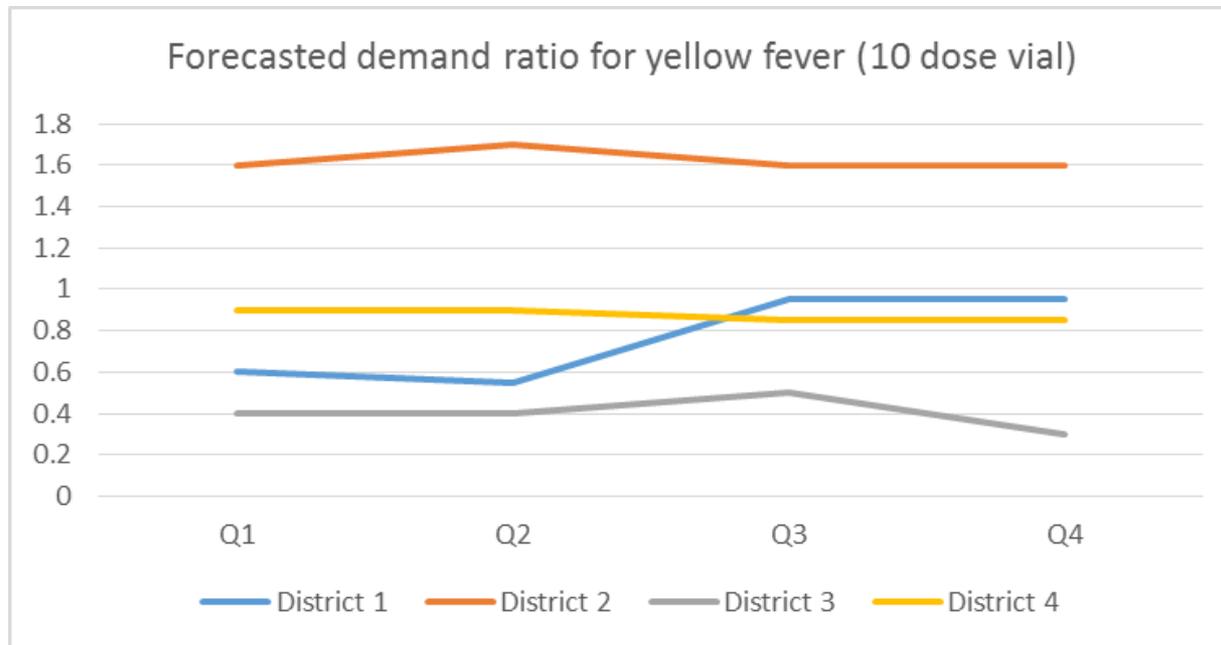


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Primary Indicator: Forecasted demand ratio

Ratio of actual usage in assessment period compared with forecasted usage for the same period. Usage is defined as opened or issued vials plus closed vial wastage.

[Region L] Forecasted demand ratio



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Primary Indicator: Closed vial wastage

Percentage of vaccine doses or supply units spoiled due to poor vaccine management or handling practices. Can be calculated by reason code.

[Facility C] Closed via wastage

Reason code	Doses under management	Discarded doses	%
Expired		500	2%
VVM status		0	-
Frozen		0	-
Breakage		0	-
Missing Inventory		240	1%
Closed vial wastage	25,000	740	3%

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Primary Indicator: Temperature alarm rate

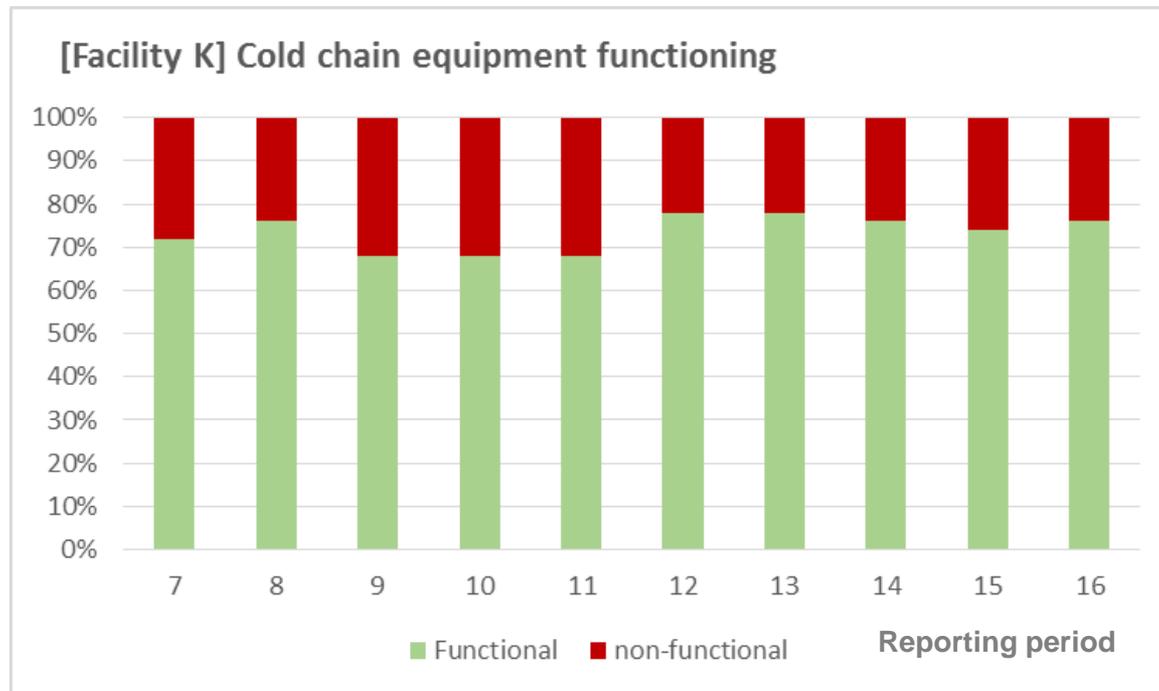
Number of times the inside cold chain equipment (CCE) temperature is above or below a reference range for a given period of time as per WHO recommendations. CCE is defined as all cold chain equipment which stores vaccines.

[Facility M] Temperature Alarm Rates	Alarm Rate – June	Alarm Rate – July	Alarm Rate – August
Health Facility A	0	1	0
Health Facility B	0	0	0
Health Facility C	4	3	5
Health Facility D	1	0	0

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Primary Indicator: Cold chain equipment functioning

Percentage of cold chain equipment (CCE) operable at a point in time for storing vaccines of the overall number of commissioned CCE devices in a particular area. CCE is defined as all cold chain equipment which stores vaccines.



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Challenges and way ahead

Challenges

- Capacity to **understand and use** the data at all levels
- Capacity in countries, UNICEF & WHO country offices and / or regional offices to **support initial implementation**, and **financing**
- Need to **align and coordinate** with existing improvement processes underway and projects by implementing partners

Way forward

- collecting country experiences for publication
 - validation in countries
 - continue inclusive conversations with partners and countries
 - external review of drafts starting today – **please take our survey!**
www.surveymonkey.com/s/JFRGZXV
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**... start by contacting
us to help you think
through your
indicators**

**... start by
responding to our
survey in TechNet**

**... start by providing
your feedback**



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