DAY 1

SUPPLY UPDATE

VACCINE INDUSTRY CONSULTATION 2023
OUTLINE

- Overall procurement statistics in 2022
- Overall context and priorities for 2023 and beyond
- Procurement capacity strengthening
- Market notes and tender calendar
45% of children under five reached, in over 100 countries

USD 3.7 billion vaccine procurement throughput* in 2022 (from USD 4.1 in 2021)

26 vaccines with different product presentations

Share of Covid-19 doses vaccines procured (including donations managed by UNICEF)

* Throughput value excludes valuation of COVID-19 vaccine donations managed by UNICEF SD
OVERVIEW OF PROCUREMENT - 2022

Distribution of Vaccines procured in 2022, in volume
Based on PO delivery date, million of doses (excluding COVID-19 donations)

Distribution of Vaccines procured in 2022, in value
Based on PO delivery date, million of doses (excluding COVID-19 donations)

Other traditional Vx* (DT, DTP, Hep A, Hep B, TD, Other Vx biological)
OVERVIEW OF DELIVERIES - 2022

Number of doses delivered by UNICEF by funding channel in 2022

GAVI | NON-GAVI

SAR: 1.2b
WCAR: 990m
ESAR: 792m
MENA: 202m
EAPR: 162m
LACR: 16m
>50% of vaccines are procured from developing countries
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<table>
<thead>
<tr>
<th>Context</th>
<th>Description</th>
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<tbody>
<tr>
<td>Increased number of emergencies</td>
<td>Currently 4 level 3 emergencies and 7 level 2 emergencies, as well as outbreaks. Drop in coverage leads to increased number of outbreaks. Impact of climate change and increasing instability in several regions.</td>
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<tr>
<td>Fiscal space and economic stress</td>
<td>Continued economic impact of the Covid-19 pandemic affecting a number of countries, combined with high inflation rates and impact of the war in Ukraine. Overall increased fragility with risk of backsliding for several countries.</td>
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<td>Post-covid recovery</td>
<td>Slow recovery following the drop in coverage during the pandemic during which health systems have been affected. Global efforts to recover and reach missed children.</td>
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<td>Regional Manufacturing &amp; Procurement</td>
<td>Confirmed focus on local and regional manufacturing, and continued emergence of regional procurement hubs.</td>
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<tr>
<td>Innovation</td>
<td>Opportunities with product innovations (microarray patches, heat stable vaccines), platform technologies, small footprint, low(er) costs, scalable, modular, manufacturing facilities, etc.</td>
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<tr>
<td>Global health landscape</td>
<td>Developments in the global health landscape, focus on pandemic preparedness and response. Initial shaping of Gavi 6.0. Recent changes at senior level (Gavi, UNICEF).</td>
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</table>
CURRENT PRIORITIES

COVID programme transition and future pandemic preparedness
Post Covid-19 recovery: HPV relaunch Catch up & recovery
Focus on regional manufacturing and support to procurement hubs
Malaria Launch

Increased focus on financing and support to MICs
Increased efforts towards Polio eradication
Focus on sustainability
$863.9 million
Total procurement for 140 countries and areas.

Globally, the largest commodity groups were:

- $399 million  
  Medical supplies and equipment
- $54.4 million  
  Vaccines/biologicals
- $57.9 million  
  Water and sanitation supplies
- $45.1 million  
  Pharmaceuticals
OUTBREAK RESPONSE OVERVIEW IN 2022

**POLIO/GPEI**
- 566 million doses
- Nigeria, Tanzania, Mozambique, DR Congo, Ethiopia, Egypt, Somalia, Niger, Malawi, Zambia, Ghana, Cameroon, Chad, Uganda, Madagascar, etc.

**MEASLES RUBELLA INITIATIVE**
- 22 million doses
- DR Congo, Zambia, Yemen, Niger, Ethiopia, Congo, Afghanistan, Mali, Cameroon, Mauritania, etc.

**INTERNATIONAL COORDINATION GROUP**
- 35 million doses
- Cameroon, Malawi, Bangladesh, Pakistan, Somalia, Syria, Niger, Lebanon, Haiti, Ethiopia, etc.

624 million doses delivered in 2022
INNOVATIONS

THE NEED

Innovations in **vaccine products, manufacturing and systems** to better meet **country needs** and support Alliance goals on immunisation **coverage and equity** as well as **pandemic preparedness and response**

**Vaccine product innovations**
**Vaccine product innovation in vaccine delivery:**
- Microarray patches
- Heat stable and CTC qualified vaccines
- Barcodes on primary / secondary packaging

**Manufacturing innovations**
- Platform technologies, WHO Hub-spoke program (mRNA)
- Small footprint, low(er) costs, scalable, modular, manufacturing facilities
- 100-day manufacturing vision, manufacturing (scaling) networks

**Systems innovations**
**Enabling systems for track and trace of vaccines:**
- TRaceability and Verification System ("TRUST", pronounced as “trust”)
- eLMIS scale-up strategy

Global Partnerships
- Gavi, PATH, UNICEF, COVAX, Vital Wave
- The Global Fund, PATH, Vital Wave
- USAID, PATH, USAID Global

Immunization Agenda 2030
First steps have been made towards sustainable vaccine procurement over the years. Now, UNICEF is developing a comprehensive **sustainable procurement strategy** for the years to come.

UN Supplier Code of Conduct
Companies doing business within the United Nations are required to accept and comply with the UN Supplier Code of Conduct.

VC Unit mandate to deliver SP Strategy
Accelerating recovery from COVID-19 triggered a refocus on UN 2030 SDGs - Director’s Office provided each SD Centre the mandate to develop a SP strategy.

UNICEF Sustainable Procurement Procedure
The Procedure sets a path toward sustainable procurement embedded, as and when applicable, in different stages of its global supply operations.

Vaccine Centre Baseline assessment
The 2018-2019 baseline assessment leveraged six output indicators.

Vaccine Centre Sustainable Procurement
UNICEF aspires to be more sustainable in vaccine sourcing and procurement, and requires a long-term strategy to do so.

Note: Including many other directives; the UN Convention on the Rights of the Child, the Framework for Advancing Environmental and Social Sustainability in the UN system, the UNICEF Executive Directive on addressing the impact of climate change on children.
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**RESOURCES**

**Strategic Vaccine Procurement Assessment Toolbox**
A standardized methodology for governments to assess their own national vaccine procurement processes

**Strategic Vaccine Procurement e-learning course**
e-course to guide users on how to identify & understand the strategic vaccine procurement cycle & processes to ensure sustainable access to affordable vaccines.

Launched globally in Q1 this year

**PEER TO PEER KNOWLEDGE EXCHANGE**

**Vaccine Procurement Practitioners Exchange Forum (VPPEF)**
Country buyers & partners exchange good practices & expertise
11 Forums (global & regional) held since 2015
 Increasing demand from members & partners

Latest global VPPEF held in June 2023

**Vaccine Procurement Practitioners Network (VPPN)**
Online platform Exchange
>50 countries represented
Knowledge sharing/development - Monthly webinar/ e-discussions

Q&A series launched this year

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TENDER CALENDAR

Q1 2023
- COVID
- BCG
- OCV
- MCV
- nOPV2
- Human Rabies vaccine
- Rabies Immunoglobulin

Q2 2023

Q3 2023
- NH Seasonal Influenza (season 2024/2025)
- SH Seasonal Influenza (season 2024)

Q4 2023

Q1 2024
- YFV
- MNG stockpile
- Ebola vaccine

Q2 2024
- Hep A
Useful resources

- Contracts Awards  
  [link](#)
- Emergency stockpile availability (OCV/ Meningococcal/YFV)  
  [link](#)
- Strategic Tender Calendar  
  [link](#)
- UNICEF Market Notes  
  [link](#)
- UNICEF Product Menu  
  [link](#)
- Vaccine Pricing data  
  [link](#)
Market Notes published in 2021-2023

- Diphtheria tetanus pertussis containing vaccines update JUN 2023
- Malaria Vaccine (Q&A update) JUL 2023
- Typhoid conjugate vaccines (TCV) supply and demand update DEC 2022
- Measles-containing vaccines (MCVs) supply and demand update OCT 2022
- Rotavirus Vaccine JAN 2022
- Japanese Encephalitis NOV 2021

Upcoming Market Notes to be published

- Bivalent Oral Polio Vaccine
- DTP- containing vaccines
- Ebola Vaccine
- Inactivated Polio Vaccine
- Measles Containing Vaccines
- Oral Cholera Vaccine
- Tetanus-Diphtheria vaccine
- HPV
- Yellow Fever Vaccine
