

Where to find information on vaccine product, price, procurement & markets

Learning Network of Countries in Transition from Gavi – Webinar May 31st 2018

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WHO's engagement



What are we solving for?





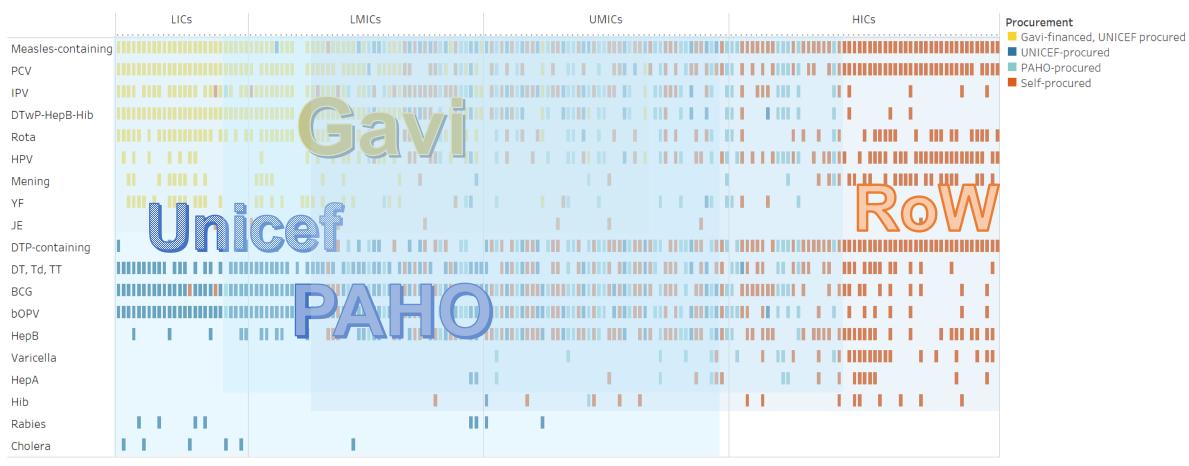






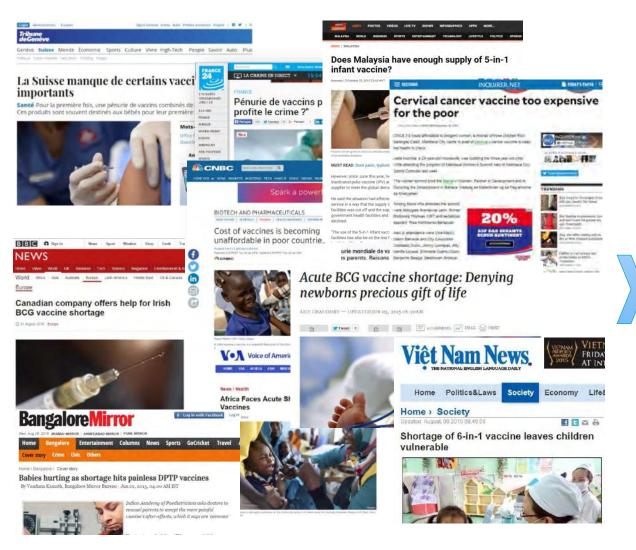


Market Information for Access: the missing segment



Increasing GNI per capita

The WHA has repeatedly called for action on access to vaccine supply







- Total of 50 WHA Global Resolutions on access to medicines and vaccines + 45 regional Resolutions. E.g.
 - Resolution 68.6 WHA -May 2015
 - Resolution 69.25 WHA– May 2016
- Call for action also from GVAP (objective 5), SAGE (e.g. April 2015)
- May 2018: Mandate to develop Access Roadmap
 2019-2023

Supply, demand and information factors influence access to vaccine supply





INCOMPLETE INFORMATION

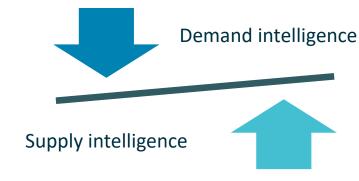
DEMAND FACTORS
Factors limiting
access

Production issues

Limited communication between supply & demand

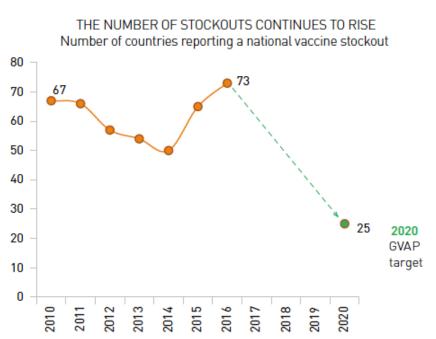
Inflexible demand

Limited supplier base & production capacity



Unpredictable or unknown demand

An important share of national stock-outs has information-related drivers account for



The number of countries reporting a national stockout rose again in 2016, continuing a recent trend of increasing disruptions in vaccine supply. Some 73 countries reported 131 national-level stockout events for at least one vaccine for an average duration of 51 days in 2016. These 73 countries account for 38% of WHO Member States and represent 34% of the world's birth cohort. The vaccine supplies most commonly affected were of DTP-containing vaccines and poliovirus vaccines.

THE CAUSES OF NATIONAL VACCINE STOCKOUTS VARY 100% Vaccine quality issues and other causes events by cause Global vaccine shortages Order or stock **Information** management issues % of stockout related drivers* ■ Procurement delays Funding delays Lower Gavi-eligible High-income countries (n=36) countries countries countries (n=11) (Gavi-ineligible/ (Gavi-ineligible) procurement

Countries of all income levels were affected by stockouts, although the causes tended to vary. Stockouts in high-income countries were generally caused by vaccine shortages but in other countries were often linked to factors such as inaccurate forecasting and delays in procurement.

[n=9]





MI4A to inform global and local access strategies





Convene global health partners to define strategies and guidance to address identified risks

Strengthen national and regional **capacity** for improved access to vaccines supply

MI4A builds on the success of the V3P project and on 2017 successful BCG and D&T pilots

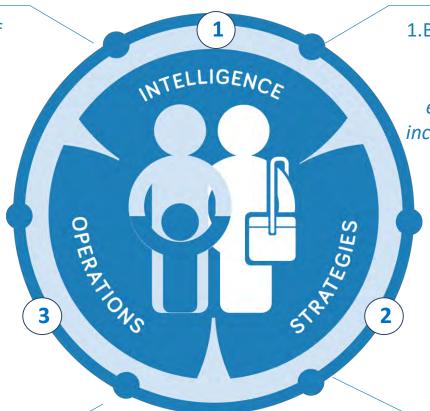




Market Information for Vaccine Access initiative

1.A Collection & quality control of price/procurement/demand/supply data
i.e. GVMM, V3P

3.B Providing **technical assistance** to countries to access supply



1.B In depth global market analysis

for vaccines at risk (affordability/shortages) e.g. Relationship between price & income; D&T global market analysis

2.A Information sharing ecosystem i.e. convening of industry, global health partners, countries

3.A Developing guidelines/tools

2.B **Guidance & strategies** to enhance affordability and availability *i.e. Humanitarian Mechanism (PCV); WHO-UNICEF Joint Statement on TT to Td switch*





Intelligence



What information is available?

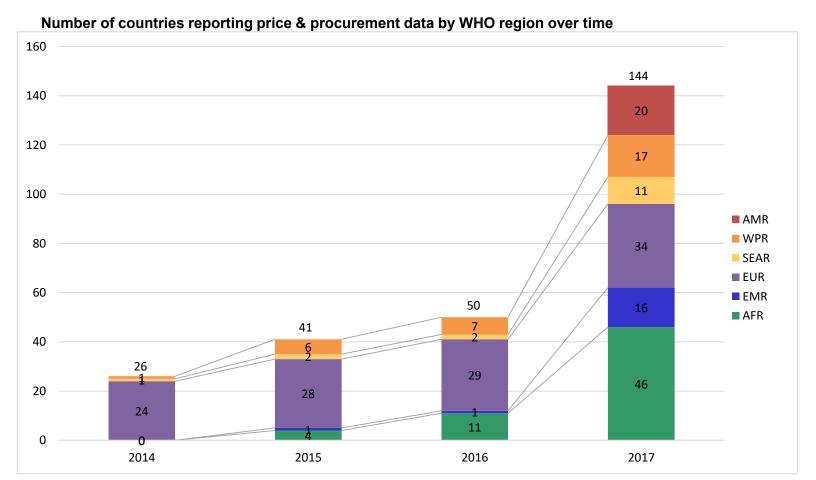


Great advances in vaccine market intelligence



- 144 countries have collaborated with WHO to share information (90% of non-Gavi MICs; 84% of world)
- Countries share info on vaccines, products, suppliers, prices, volumes, procurement & payment method, contract duration, incoterms
- We are now enlarging this knowledge hub with additional partner/industry sources of information (MI4A)





Where can you access information?



A dedicated website is available for you:*
www.who.int/immunization/MI4



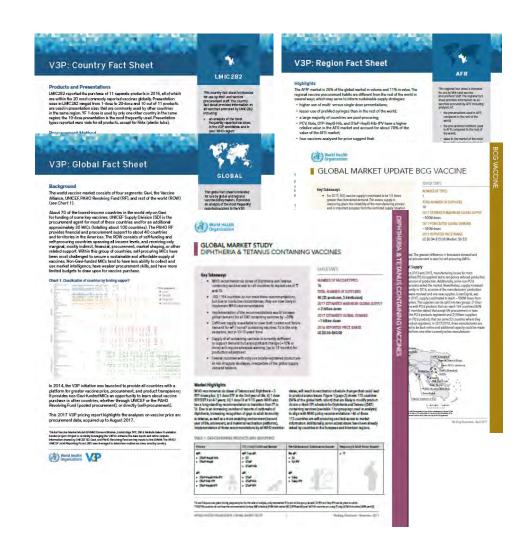
Vaccine purchase database: all country reported data on vaccine purchase, including source, price, terms and conditions



Knowledge repository: all available analysis and fact sheet developed with country data



 Resource gateway: links to other websites with relevant information (e.g. UNICEF, PAHO RF)



^{*} This link also works: www.who.int/immunization/v3p

Using information



How does information help countries?





What is the information gap and how can we close it?

1

NEED

Countries lack visibility into vaccine markets for decision making

ENABLER

Identifying price ranges and supplier, product, procurement options

BENEFIT

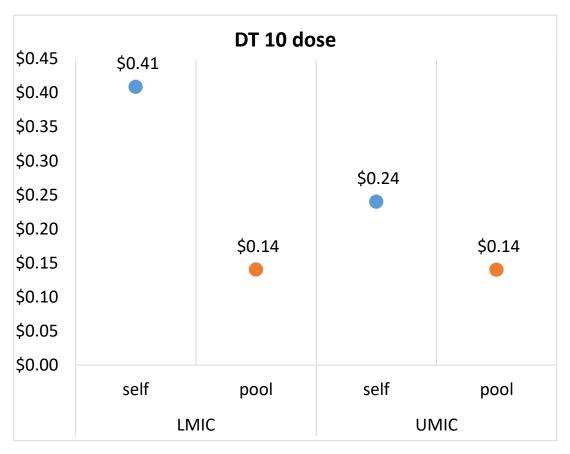
Informed planning & procurement leading to sustainable demand

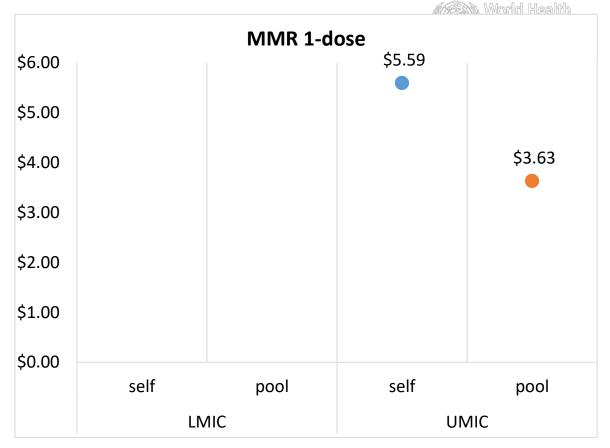




Countries can use information to compare procurement methods

For the 2016 V3P data set, pool-procurement resulted in lower WAP than self-procurement for 77 to 91% of vaccines, depending on income group





Sources: WHO V3P data 15



Countries can use information to understand pricing prospects: e.g. Gavi transitioning countries

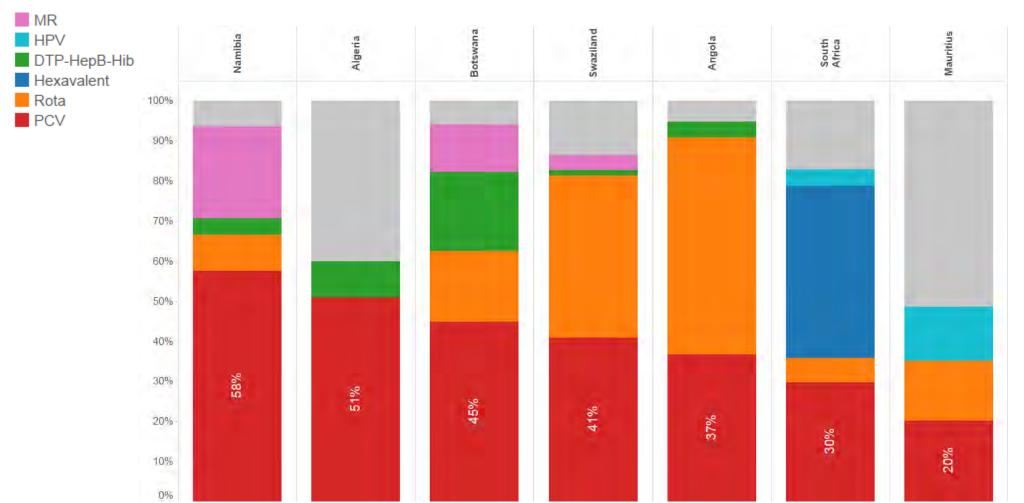
As of August 2017, six manufacturers have committed to continue providing countries that transition out of Gavi support with access to the same prices accessed by Gavi-supported countries for a period of 5 years or more.

| | Period | | PCV (2017) | | | | Rota (2017-2021) | | | Vaccine Pricing: Gavi Transitioning Countries | 1 170 |
|---------|--|------|------------------------------------|------------------------------------|--------------------------|--------------------------|------------------------------------|---|---|--|--|
| | 1 st year accelerated transition / self- financing | | Intro with Gavi ^a | GSK 2-dose vial ^b | Pfizer 1-dose vial | Pfizer 4-dose vial | Intro with Gavi ^a | GSK 1-dose presentation ^b (2-dose course) | Merck 1-dose tube (3-dose course) | All prices shown in this cheament are lined exerted price par dose (in USD), per product, per supplier per calendar year, based on multi-year supply agreements. They do not represent contractual dollarious helwon sallers and Gavi-transitioning countries and as such are not a guarantee of price. They are provided solely for the purpose of helping Gavi transitioning countries to plan and budget adequately for self-financing. Highlights Starting January 2018, nine countries will be in a state of accelerated transition from Gavi support to self-financing, and 17 countries will have transitioned out of Gavi support with access to the same prices accessed by Gavi support gound from the continue providing countries that transition out of Gavi support with access to the same prices accessed by Gavi support gound from the continue providing countries that transition out of Gavi support with access to the same prices accessed by Gavi support gound from the continue providing countries that transition out of Gavi support with access to the same prices accessed by Gavi support gountries, of the continue providing countries that transition out of Gavi support with access to the same prices accessed by Gavi support gountries, of the continue providing countries that transition out of Gavi support with access to the same prices accessed by Gavi support gountries, and the continue providing countries that transition out of Gavi support with access to the same prices accessed by Gavi support gountries, and the continue providing countries that transition and the support gountries and the supp | This fact sheet intends to address questions that Ministry of Health and Ministry of Financing officials may fave about vaccine pricing and pricing the property of Financing officials may have about vaccine pricing and property of the provide information on public sector vaccine prices that can assist downtransitioning countries financing between the additioning appropriate that the property of |
| Angola | 2011 | 2018 | √ | NE | \$3.30 | \$3.05 | √ | €1.88 | NE | Table 4 shows how the UNICEF multi-year supply agreement price would apply to each of the 26 Gavi-transitioning, or fully self-financing countries, based on the supplier commitments. For these countries, please note: One country is currently not eligible for the price commitments to PCV, because they do not meet the Advanced Market Commitment (AMC) condition of DIP3 coverage of ≥ 70%. Six countries that had not introduced rotavirus vaccine with Gavi support are not currently covered by any price commitment for | VSD database contains vaccine prio and pocuments information from 14d countries in 2017, as and UNDECT. The database, as well as documents on vaccine pricing, are available on the VSD website fills //www.wine.informatization/ 2022. Information for Gau-transitioning processing is a similar or the control of processing in a similar or con- trol on the VSD website for the VSD with the VSD with the VSD with processing the VSD with the VSD with the VSD with processing the VSD with the VSD with the VSD with processing the VSD with |
| Congo | 2011 | 2018 | √ | NE | \$3.30 | \$3.05 | √ | €1.88 | \$3.20 | rotavirus vaccine; Eight countries that had not introduced HPV vaccine with Gavi support are susceptible to not being covered by any price commitment if an agreement for introduction has not been made by end of 2017; Countries that do not procure through UNICEF are ineligible for Phzer's price commitments to PCV, and countries that do not procure through UNICEF or PAHO are ineligible for GSK and Merck's price commitments to ROta and HPV vaccines. | Gav website <u>into</u> / reworant, oral usport depolar inhalition, contribed. This document has been prepared by the Epianded Programme on Immunization (EPI) of the Department of Immunization, working document. This version of the fact sheet is up to date as of Movember 2017. |
| Nigeria | 2017 | 2022 | ✓ | \$3.05 | \$3.30 | \$3.05 | Xe | €1.88 | \$3.20 | India, Las PDR, Nizaragua, Nigoria, Papua New Guiren, Sao Tone and Principe, Solomon Inlands, Udwisiatan, Vidram. Nagoria, Aremania, Amethajae, Shudue, Bulvis, Conge, Cuba, Georgia, Guyana, Henduras, Indonesia, Kiribali, Molosu, Mongola, Sri Landa, Terret Landa, Ukraina. World Health World Health | For most information on this document or on vaccine price and procurement, please email VEP project time bent. WORKING DOCUMENT - December 2017 1 |

Source: WHO IVB

Countries can use information for financial planning & budgeting processes





- Current analysis
 shows that for non
 Gavi-MICs
 introduction of
 certain vaccines can
 have a major budget
 impact (e.g. on
 average PCV is 34%
 of budget)
- PCV can represent as much as 58% of budget in African non Gavi MICs

Note: Each bar represents a country, country alias are used rather than country names. Only include records with volumes >10. Only includes countries that have reported a price for PCV. Calculated as: [Price per dose of a vaccine] x [Volume of same vaccine]/[sum of [price per dose]x[Volume] for all vaccines. Used as a proxy for spending on vaccine purchases. Source: V3P data (extracted 18 July 2017). Immunization Vaccines and Biologicals, (IVB), World Health Organization.



What is the information gap and how can we close it?



2

Missing global view of vaccine market preventing risk management

Complement existing information on vaccine markets from Gavi, UNICEF and PAHO RF

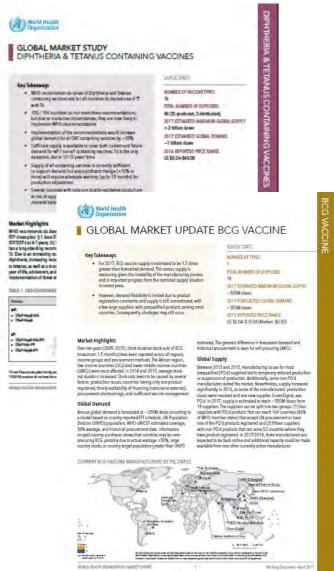
Informed risk identification & target actions to manage <u>vaccine</u> shortages



WHO to identify access barriers and communicate with stakeholders



| Country Concern | Barriers Identified | MI4A proposed actions | | | |
|--|---|--|--|--|--|
| | Insufficient number of quality products registered locally (e.g. BCG and D&TCV) | Work with companies and countries support registration of quality products (e.g. registration fund; collaborative procedure for PQed products) | | | |
| Insufficient supplyLong lead times | Over- purchasing due to in country product management issues (e.g. BCG) | Work with countries to enhance supply management at country level (BCG) | | | |
| No visibility availability Little flexibility to change products | Frequent production failure | Investigate strengthening the production processes of a few key manufacturers - BCG | | | |
| products | No information on supply availability at time of product choice | Improve communication of recommendation for wP versus aP containing D&T combinations with information on tight supply availability | | | |





What is the information gap and how can we close it?



3

Several countries cannot access sustainable & fair pricing

Completing understanding of global pricing dynamics

Informed dialogue on fair pricing



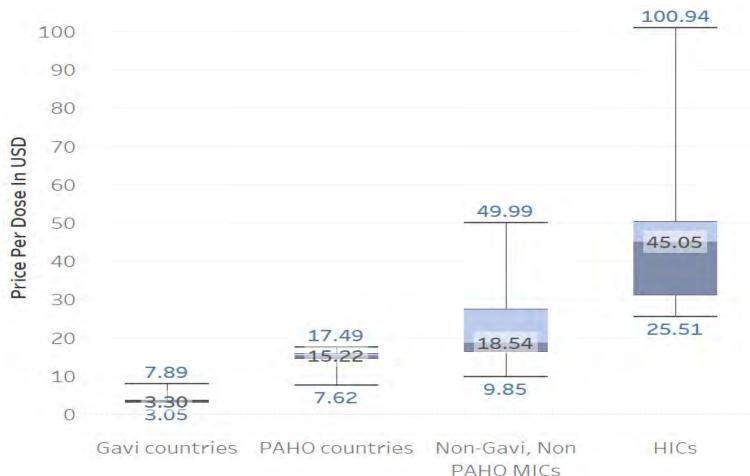


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Information is used for dialogue on fair pricing

- There is a clear association between GNI per capita and price level
- We also observe larger price variation for higher income:
 - non-Gavi MICs, max
 price = 14x min
 - HICs, max price = 30x
 min
- We can improve transparency of pricing strategies and encourage fair pricing to strengthen access



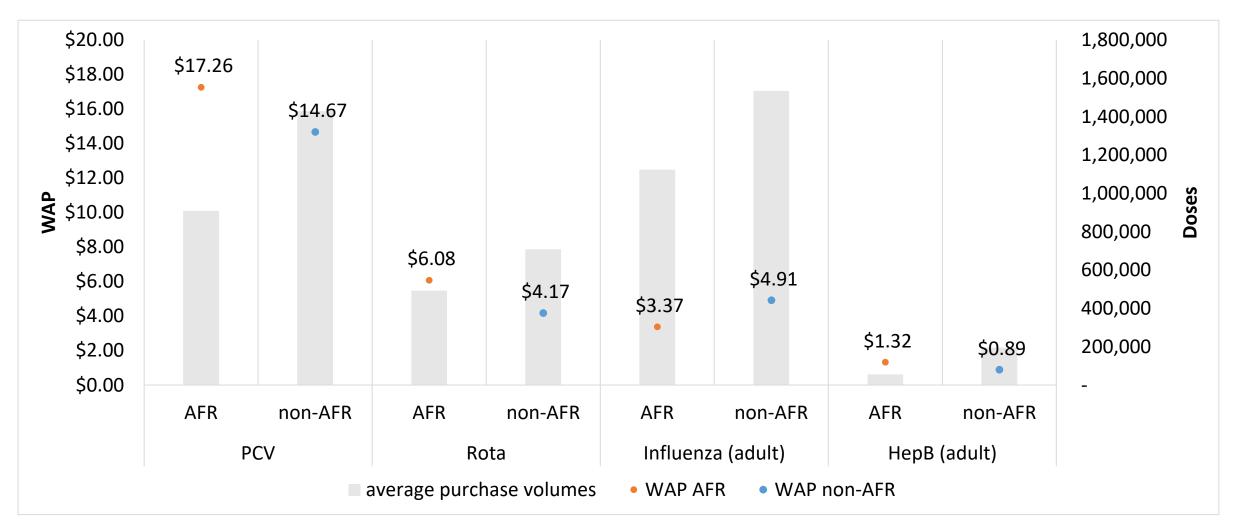


Note: The boxes on the graph show the median (centre of the box), a box above and below the median for the nearest quartiles, and a set of "whiskers" that extend to the entire data range.

Source: WHO V3P

Region/countries can inform negotiation/tender processes

Non-Gavi MICs in the Afro region pay higher prices for PCV, Rota and Hep B than other self-procuring MICs



Source: WHO V3P

Organization



Fair Pricing Forum



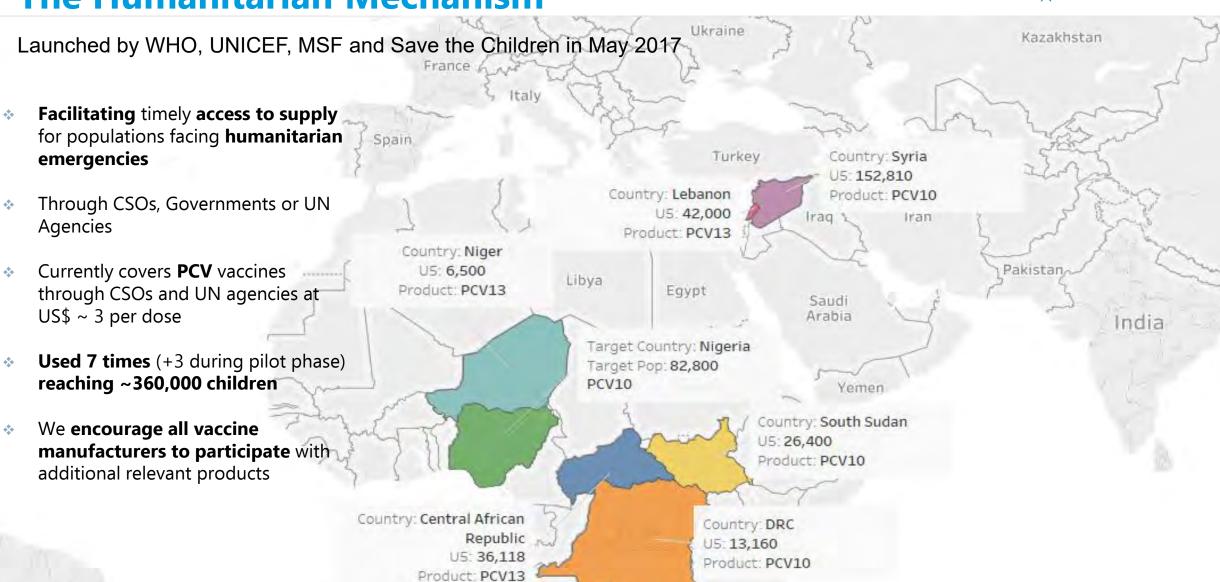


- A global dialogue to explore strategies for establishing fair prices that is sustainable for health systems and for innovation
 World Health
 Organization
- Participants: 250 participants from Member states, IGOs, NGOs, academia and industry
- Organized jointly by WHO and the Ministry of Health, Welfare and Sport of The Netherlands
- The Forum took take place in Amsterdam, the Netherlands on 10-11 May 2017
- For more information, please see
 http://www.fairpricingforum2017.nl/home

Source: WHO EMP

The Humanitarian Mechanism





Overview of other efforts



- WHO: regulatory efforts (e.g. WHO PQ; WHO-NRAs Collaborative Procedure for registration of Pqed products; harmonization, convergence, reliance efforts for registration and Post approval changes)
- WHO Affordability and budget impact analysis, negotiation skills trainings
- UNICEF MIC tenders + strengthening procurement, VII revolving fund
- Gavi ATAP and potential role post transition
- Regional pool procurement efforts



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