## DCVMN – General Meeting Impact of C-19 on RI and mitigation strategies

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## Global vaccine markets

- C-19 impact on supply and demand for other antigens
- C -19 impact on Routine Immunization
- Mitigation strategies



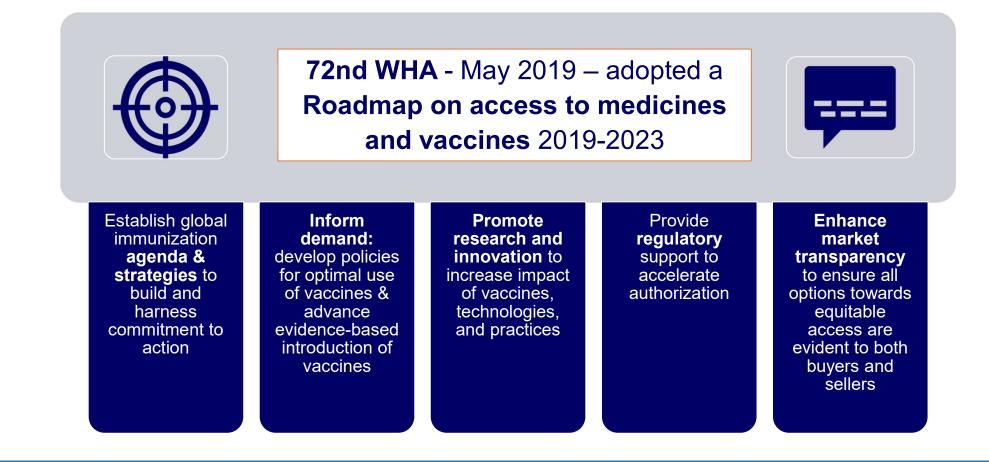
# Countries worldwide, through WHO processes, are calling for enhancing access to vaccines



- Total of 50 WHA Global Resolutions on access to medicines and vaccines + 45 regional Resolutions
- WHA72 adopted a Resolution on improving the transparency of markets for medicines, vaccines, and other health products
- WHA73 endorsed the Immunization Agenda 2030 (IA2030) with Strategic Priority 6 on supply and adopted a resolution recognizing extensive immunization against COVID-19 as a global public good for health.



#### How does WHO influence access to vaccine supply?

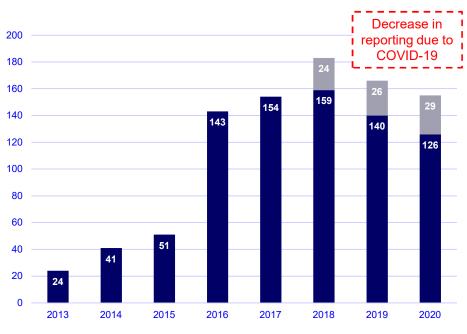




#### Key resource: market intelligence and analysis for increased access Market Information for Access (MI4A)

 Increased engagement of countries sharing information on products purchased, however recent difficulties due to Covid-19. Vaccine Purchase Data is updated annually and publicly available: <a href="https://www.who.int/teams/immunization-vaccines-and-biologicals/vaccineaccess/mida/mida-vaccine-purchase-data">https://www.who.int/teams/immunization-vaccines-and-biologicals/vaccineaccess/mida/mida-vaccine-purchase-data</a>

- Considerable progress in engagement of manufacturers with 37 main producers providing yearly update – representing of ~90% of global supply for key vaccine markets. Covid-19 now provides an opportunity to go even further.
- Industry engagement has increased over time but only 30% of DCVMN members participate in the annual data survey.



Number of countries reporting Vaccine Purchase Data over time

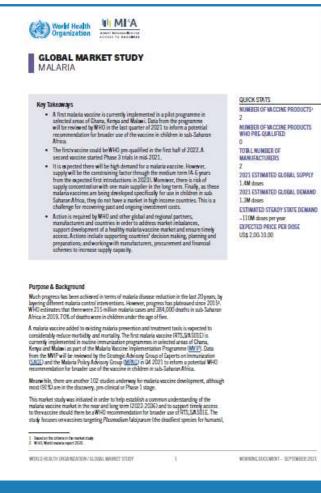
Complete reporting Partial reporting

Partial reporting: countries reporting vaccines procured but not prices Member States report vaccine purchase data through the WHO/UNICEF JRF 2020 data as of 31<sup>st</sup> September – further updates expected



# Policy influences demand for vaccines and intelligence is used to inform strategic understanding of market dynamics, e.g. Malaria

MALARIA



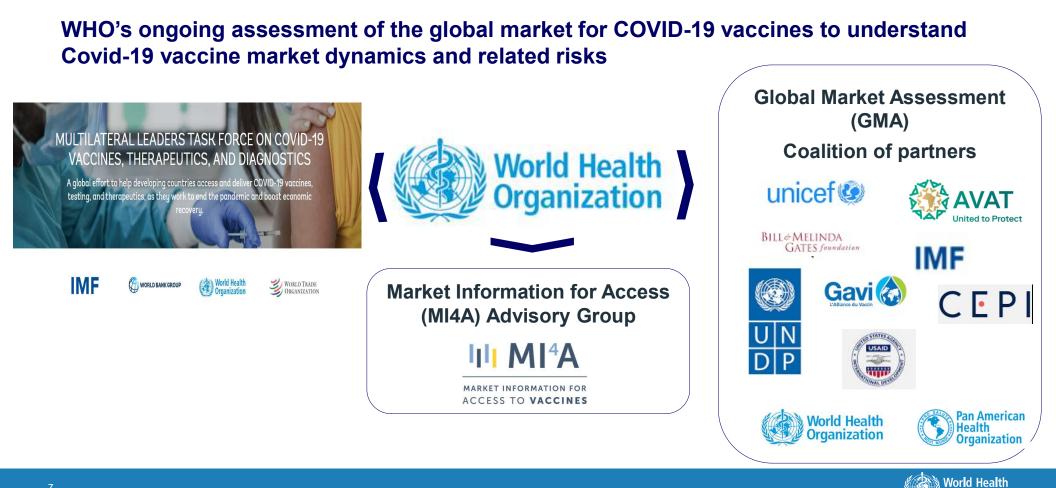
**October 2021, following SAGE recommendation on Malaria Vaccine RTS'S, WHO recommended that** *'the vaccine be used for the prevention of P. falciparum malaria in children living in regions with moderate to high transmission as defined by WHO."* 

**WHO Global Market Study** feeds into programmatic discussions and define required action by WHO in collaboration with partners to ensure timely access including:

- Support countries on decision-making, planning and introduction.
- Provide visibility into supply outlook and develop an approach to prioritizing distribution of limited supply in initial years.
- Work with manufacturers, governments, procurement and financing schemes to incentivize an increase in supply capacity.

https://www.who.int/publications/m/item/who-malaria-vaccine-global-market-study-september-2021

#### This work happens in full collaboration with partners



Organization

- Global vaccine markets
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#### Understanding risks for access to key vaccines due to COVID-19 impact

- Potential supply issues due to both pandemic & COVID-19 vaccine production need to be investigated (e.g. linked to manufacturing processes, constraints in the release and distribution of the vaccines )
- Evolution of programmatic dose requirements/demand due to both pandemic & COVID-19 vaccine introduction requires study (e.g. coverage, postponement of NVI, postponement of campaigns, outbreak response, etc)

**Objective**: highlight risks for access to key vaccines and identify potential actions



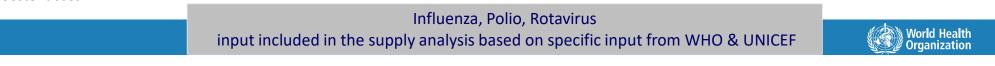
Indicative: BCG vaccine

\* Primary series \*\* Booster doses



D&T containing vaccines\* Pneumococcal vaccines Measles containing vaccines D&T containing vaccines\*\*

HPV vaccine D&T containing vaccines\*\*



#### **COVID-19** increases risks of supply-demand unbalances for MCV and PCV

Measles			PCV	
MARKET HEALTH PRE COVID-19*	BALANCED (MR) WITH RISKS		BALANCED WITH RISKS	
	Supply sufficient to meet baseline global demand, but risks linked to highly variable doses requirements (coverage gaps triggering large SIAs) and highly concentrated market		Growing supply to meet global demand through rich pipeline, but market fragmentation carry risks linked to mismatch of country product preferences with supply	
COVID-19 IMPACT	Demand	Available Supply for Commercialization	Demand	Available Supply for Commercialization
	Moderate risks of change	Moderate to high risks of decrease	Low risks of change	Moderate to high risks of decrease
	Potential increase in demand unpredictability due to reduced coverage and delayed planned SIAs	Very concentrated supply base, involved in C-19 + one NRA (MR); possible delays in pipeline / capacity scale up	Potential decrease due to drops in coverage; potential increase because respiratory disease similar to COVID-19	Existing production processes shared with C-19: delays may affect capacity scale-up and pipeline
RISK OF SUPPLY-   DEMAND Reduced   MBALANCE Reduced   *Per WH0 MI4A market studies 2020				
10				World Health Organization

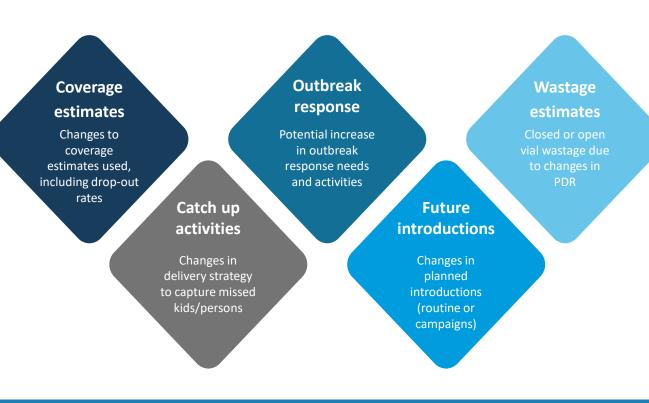
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# 5 areas related to demand that were potentially impacted due to COVID-19 pandemic

Experts indicated there were several factors that could impact global mid- to longterm demand forecasting :

- Stopping of immunization services
- Changes in health seeking behavior
- Disruption of staff and workforce
- Inefficiencies in cold chain and logistics systems
- Financing and economic downturn

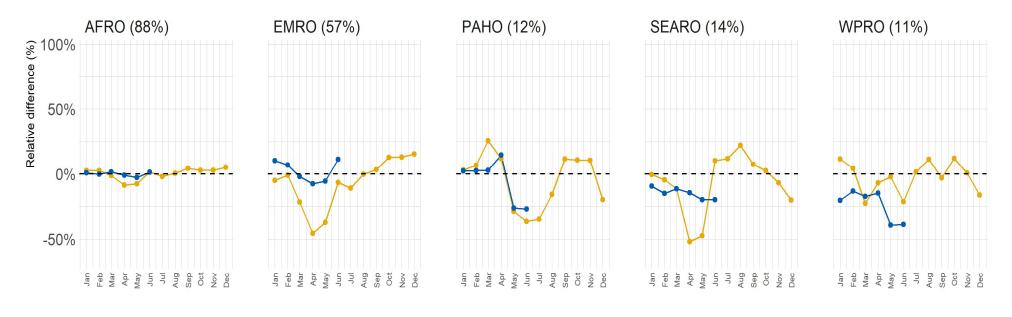


World Health Organization

#### Level of RI disruption varies by region and continues into 2021

# Weighted relative difference in #DTP3 vaccinated in 2021 and 2020, compared to 2019

Countries that have consistently reported data through June 2021 (%) is the proportion of surviving infant population in the region represented by the countries reporting through last month

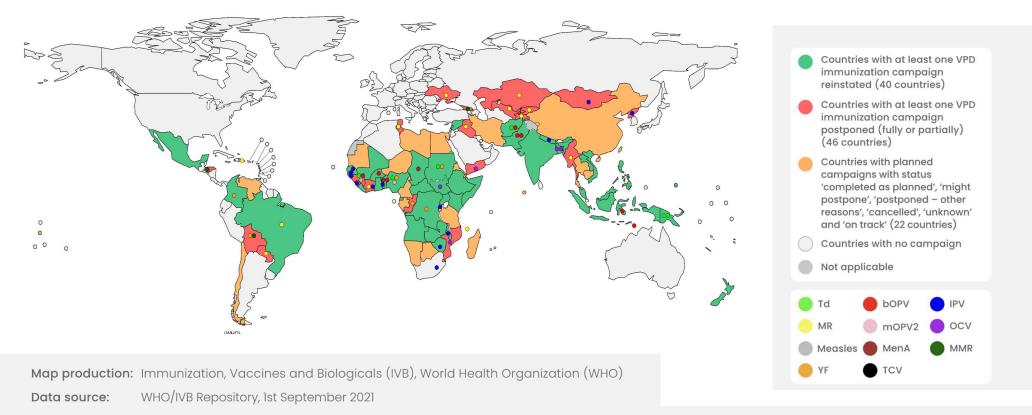


-- 2020 -- 2021

Difference for each country weighted by surviving infants for each country. Source: Monthly admin estimates, September 2021



# 46 Countries with VPD campaigns postponed due to COVID-19, by antigen



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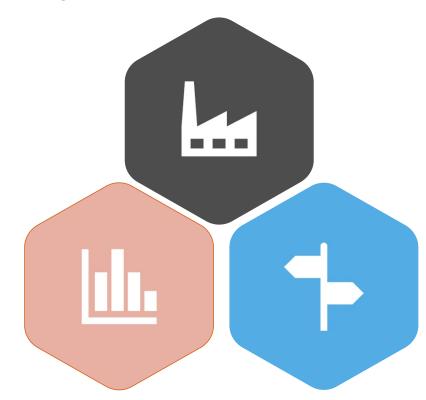


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## Mitigating action for C-19 impact on market for other antigens

#### **Cross-cutting actions:**



#### Manufacturer engagement

Continue engagement with manufacturers:

- Bilateral discussions
- Continue data collection
- Debrief on 2021 findings and conduct information sessions

#### **Information for access**

- With UNICEF, monitor shipment trends and country implementation plans
- Monitor coverage estimates and introduction dates, particularly for new vaccines (HPV and PCV) + measles outbreaks
- Monitor timeliness of DCGI lot release and new vaccine registrations

#### **Demand shaping**

- Implement flexibilities to meet short-term country demand (e.g., product presentations, country preferences, shelf life)
- WHO keeps working to expand reliance on PQ and SRAs marketing authorisation across all vaccines



#### NIGERIA: LEVERAGING THE CVDPV OUTBREAK RESPONSE TO SUPPORT COVID-19 VACCINE ROLLOUT

Sensitizing communities to build confidence in the COVID-19 vaccine, leading to an increase in vaccination coverage

Using polio surveillance tools and applications (e.g. AVADAR) for case detection, reporting, monitoring COVID-19 vaccine uptake

Technical support to cold chain management – resulting in significant reductions in wastage

Supporting national deployment plans through capacity building (e.g. using smartphones for eregistration of vaccine recipients, AEFI training)







# Assessment of mid-to long-term risks of COVID19 impact on demand changes

