Viral Hepatitis Prevention Board LISBON, PORTUGAL 15-16 March 2018

Vaccine shortages: Definitions









Vaccine-preventable Diseases and Immunization

World Health Organization Regional Office for Europe\



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Outline of the presentation

- Vaccine security: global context
- Terms systematic review: shortages/stockouts
- Core Definitions
- Causes of shortages
- Data & Gaps
- What's next?









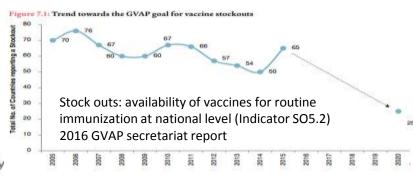
Securing access to quality vaccine supply: Essential to reaching immunization goals



FIVE PRIORITY PROBLEMS

The Global Vaccine Action Plan is far off track. In response, the SAGE recommends that actions focus particularly on addressing five priority problems. Each problem is major, but each can be tackled, with a reasonable expectation that doing so will improve progress considerably





Weak GVAP implementation

Poor data quality and use

Vaccine affordability and supply

Failures of basic integration

Situations disrupting immunization

Stagnant
vaccination
coverage

Eradication
and elimination
goals repeatedly
missed

"the sustained, uninterrupted supply of affordable vaccines of assured quality"









Securing access to vaccine supply: WHA resolutions and access strategies

MEDICINES & VACCINES



69th World Health Assembly, May 2016

URGES Member States **to develop strategies** to forecast, avert or reduce shortages/stockouts ...

CALLS upon manufacturers... **to contribute to global efforts** to address the challenges of medicines and vaccines shortages, including through participation in notification systems;

REQUESTS DG to "develop technical definitions, as needed, for medicines and vaccines shortages and stockouts assess the magnitude and nature of the problem of shortages & develop a global medicine shortage notification system....







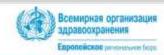
VACCINES

68th World Health Assembly May 2015

Obj. 5 Global Vaccine Action Plan, WHO Middle Income Country Strategy, SAGE April 2015

The establishment of effective and sustainable vaccine production, supply, procurement and delivery systems is essential to ensure access to all the necessary vaccines of assured quality at the right time

Creation of a global forum of exchange, communication and collaboration to address vaccine supply and demand issues between countries and manufacturers



Definitions in use: Terms systematic review

shortage

unavailability

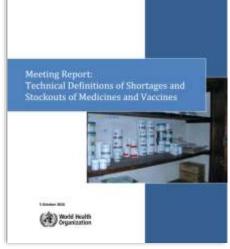
disruption of supply

interruption in supply

supply issue

rupture constatée

- Terms used interchangeably to mean different things
- Definitions vary by supply chain aspect: manufacturing /distribution / dispensing to patients;
- The definitions vary in their specificity;
- Frequently included references to timeframes or durations
- Many definitions linked to contextual factors & sensitivities (i.e. "acceptable shelf life", reporting vulnerabilities)
- Grouping: Supply side VS Demand side systems
- 26 definitions related to the demand side



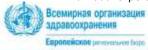
Inter-Agency Supply Chain Group Industry, Member States Individual experts

Source: http://www.who.int/medicines/areas/access/Meeting_report_October_Shortages.pdf









Core Definitions: Shortages & Stockouts

Shortage

Supply side:

The supply of medicines, health products, and vaccines identified as essential by the health system is considered to be insufficient to meet public health and patient needs

Demand side

demand exceeds supply at any point in the supply chain





Stockout

The complete absence of the medicine, health product or vaccine at the point of service delivery to the patient









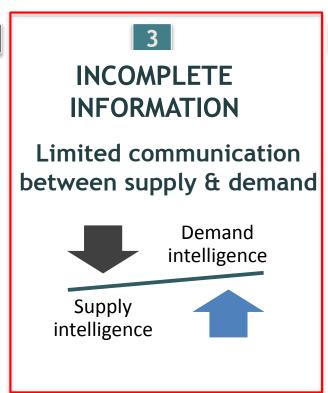
There are various causes of shortages

SUPPLY 1
Factors limiting
availability

Production issues

Limited supplier base & production capacity









DEMAND Factors limiting access

Unpredictable demand

Inflexible demand



Data & Gaps

Reporting stockouts



Indicator: 'At least 1 stock-out event for at least 1 vaccine for at least 1 month at national level'

- Reporting mechanism through WHO/UNICEF JRF
- GVAP/EVAP monitoring indicator

Source: 2016 GVAP secretariat report

https://www.technet-21.org/en/?option=com_content&view=article&id=5064&Itemid=1814



na marin Europe



вистителя Енгоре

Reporting Shortages

- NO routine global reporting (YET)
- NO established response mechanisms
- Supply side:
 - MA holders > to NRA (EU)
 - Limited data published/available
- Demand side:
 - Multiple actors
 - Variable & Fragmented data

Weltgesundheitsorganisation

выниманть Europa



What's next?

EB140/19

Reviewed draft definitions and acknowledged the need for additional consultations

EB 142/13 (January 2018)

- Reviewed the progress made in implementing resolution WHA69.25, i.e.
 - Establishing a global mechanism to notify shortages of medicines & vaccines (limited to medicines included on the WHO Model List of Essential Medicines)
- Defined further areas of WHO work on shortages, i.e.
 - Continuation of WHO's normative work to specify standards and guidance for the development, regulation, production, selection, pricing, procurement, distribution, prescribing and use of medicines and vaccines
 - Supporting inter-organizational, regional and country collaboration, networking and training;

Source: Addressing the global shortage of, and access to medicines and vaccines Report by the Director-General. http://apps.who.int/gb/ebwha/pdf_files/EB142/B142_13-en.pdf









Thank you!







