



Data Sources Supporting Vaccine Markets Analysis

2023

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Objectives of the module

This module provides an overview of available vaccine market data to empower manufacturers to effectively answer strategic business questions and optimize data use for decision-making.

This module includes:

- Several available data sources DCVMs can use to inform their go-to-market strategies
- Useful tips to leverage these data sources

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Several important data sources exist to understand the supply, demand, pricing, usage and coverage dynamics across vaccine markets



← Information & data break-downs →

Category	Source Name (Source Link) ¹	Antigen	Supply	Demand	Price	Supplier	Country
 Demand	Linksbridge/GHMH (Login)	✓		✓			✓ ²
Demand	Gavi Demand Forecast (Login)	✓		✓			
Product Profile	Gavi Detailed Product Profiles - DPP (Link)	✓			✓	✓	
Product Profile	WHO PQ List (Link)	✓				✓	
 Intro & Usage	View-hub by IVAC (Link)	✓					✓
Coverage	National Immunization Coverage - WUENIC (Link)	✓					✓
Supply	Gavi Shipment Reports (Link)	✓	✓				✓
Supply	United Nations Global Marketplace (UNGM) (Link)	✓	✓	✓			
 Supply and Price	WHO MI4A Database (Link)	✓			✓	✓	
 Price	UNICEF Price Data (Link)	✓			✓	✓	
Price	CDC Price List (Link)	✓			✓		
Price	PAHO Price List (Link)						

 Deep dive included in this deck

1 List is not exhaustive

2 Industry partners might not have online access to country level information. This is where CHAI can support through country level analysis for strategic decision making

Additional data sources cover market studies and country overviews alongside guidance on epidemiology, financing, R&D and immunization policies (1/2)



Category	Source name with link ¹	Description
Countries	Gavi country hub	Detailed information on each Gavi-eligible country
Countries	Gavi country support overview	Visual overview of which countries are approved for each type of Gavi support
Countries	Immunization Delivery Cost Catalogue by Immunization Economics	Global evidence base on the cost of delivering vaccines in LMICs
Countries	LNCT member country profiles	High-level overview of transition-related targets and progress for Gavi countries
Epidemiology	GHDx health data	Assesses mortality and disability from hundreds of diseases, injuries, and risk factors
Epidemiology	John Hopkins Lives Saved Tool (LiST)	Impact of coverage change on mortality in low- and middle-income countries
Financing	WHO immunization financing indicators	Immunization expenditure indicators from the WHO-UNICEF Joint Reporting Form
Immunization	SAGE meetings	Documentation from previous SAGE meetings
Market	Gavi market shaping roadmaps	Guide Gavi's market shaping efforts by analysing the dynamics of each vaccine or other immunisation product market
Market	UNICEF market notes and updates	Market and product updates highlighting trends in supply, demand, shortages, surplus and availability of key strategic products procured by UNICEF
Market	UNICEF Tender Calendar	Tentative vaccine tender issuance dates by UNICEF
Market	MI4A market studies by WHO	Vaccine-specific market studies, analyzing global demand and supply prospects

¹ List is not exhaustive

Additional data sources cover market studies and country overviews alongside guidance on epidemiology, financing, R&D and immunization policies (2/2)



Category	Source name with link ¹	Description
R&D	WHO Full Value of Vaccine Assessments (FVVA)	WHO framework to guide the assessment and communication of the value of a vaccine beyond individual health benefits and facilitate alignment across key stakeholders
R&D	WHO Vaccine Value Profiles (VVP)	Comprehensive summaries of critical evidence currently available to define vaccine values for a particular pathogen for guiding vaccine funding, research initiatives, and clinical and policy development strategies
R&D	Clinical Trial Registry - India Indian National Institute of Medical Statistics	Online public record system of clinical trials conducted in India
R&D	Clinical Trial Registry US National Library of Medicine	Database of privately and publicly funded clinical studies conducted around the world
Regulatory	WHO Prequalification information	Provides information on the WHO prequalification process, procedures and key documents
Schedules	WHO recommendations for routine immunization	WHO compiled key information on its current routine immunization recommendations

¹ List is not exhaustive

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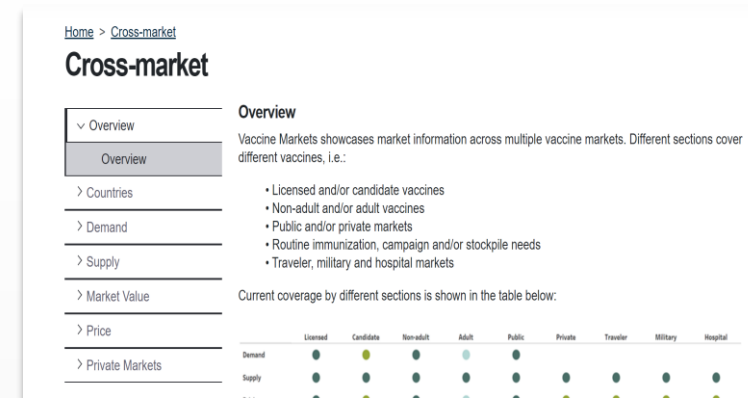
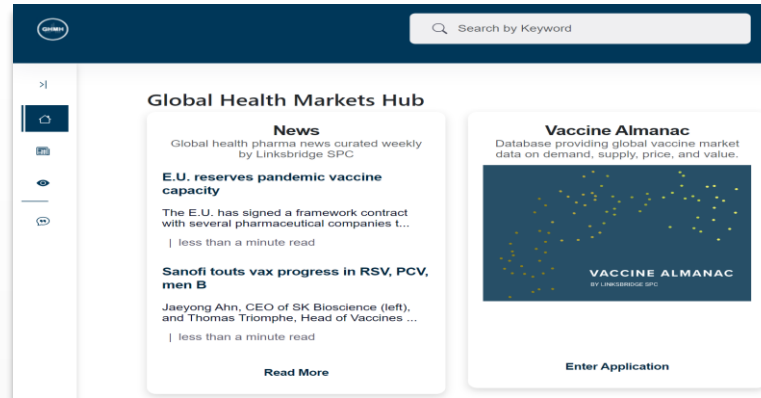
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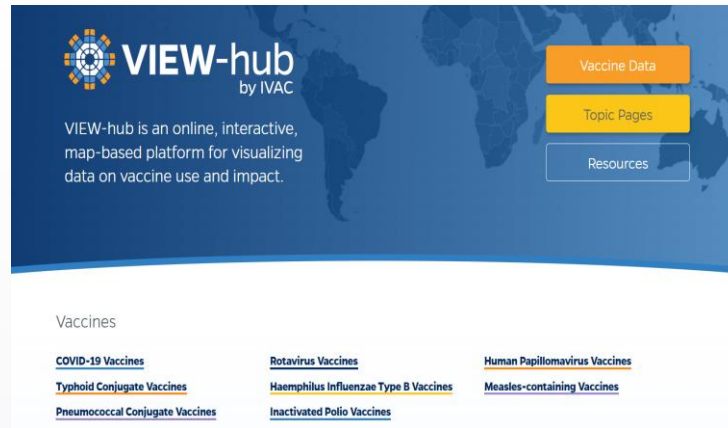
4. WHO MI4A Database

Global Health Markets Hub (GHMH) gives direct access to timely, constantly-updated vaccine demand information



Link	GHMH online portal (access request needs to be placed in accordance with the user guide)
Overview	<ul style="list-style-type: none"> • GHMH is a data-sharing collaboration using public information on vaccine demand and supply managed and curated by Linksbridge, SPC • Industry partners can receive online access to GHMH, including global demand data by country and World Bank income group for key antigen markets • In addition, the Vaccine Almanac is published every 1-2 years and provides a catalogue of available data
Tips for use	<ul style="list-style-type: none"> • Industry can carry out analyses to answer questions such as forecasted market demand of a vaccine for LMICs over the next 5 years, dollar value of a particular market etc. • CHAI can support with country level analysis and interpretation of information found in GHMH for use in strategy development and modelling

VIEW-hub by IVAC provides an online, interactive, map-based platform visualizing data on vaccine use and impact across countries



Link	View-hub online portal
Overview	<ul style="list-style-type: none"> • Easy-to-use repository for the most relevant and recent vaccine data, covering topics such as vaccine introduction & use, immunization equity, vaccine preventable disease burden, and immunization system strength • It also includes country level summary data on the latest academic studies on vaccine impact, as well as the economic burden of disease • Provides information on current or planned vaccine product used in a country's national immunization program (including planned and actual introduction dates, planning status, Gavi application status, etc.)
Tips for use	<ul style="list-style-type: none"> • Data can inform country-specific market access strategies • Quick reference point for a country overview and can supplement with GHMH for more detailed demand information

UNICEF pricing data provides both historical and future prices for vaccines procured via UNICEF, both for Gavi countries and non-Gavi MICs procuring via UNICEF

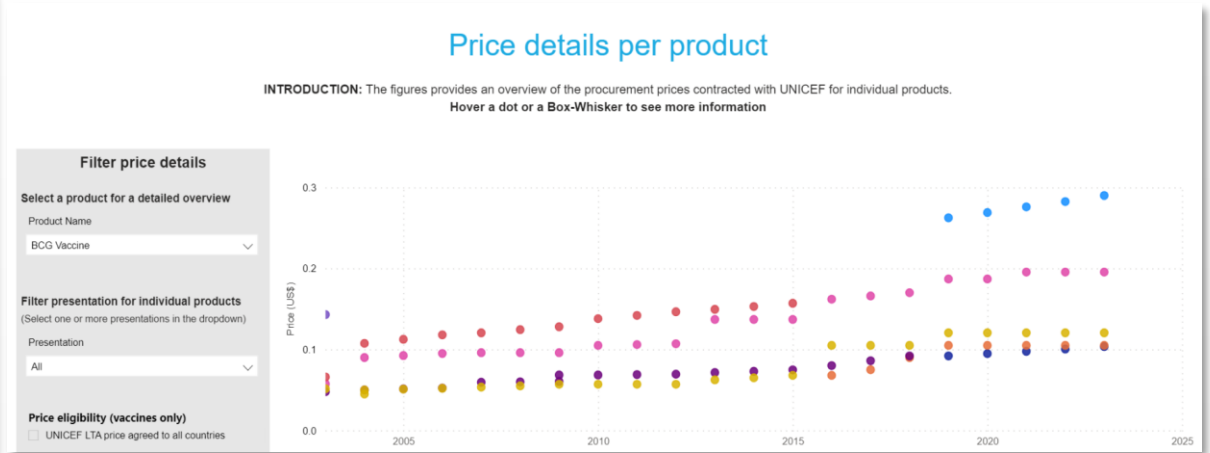


Vaccines pricing data
Find prices of vaccines procured by UNICEF.

Data on prices of vaccines procured by UNICEF. The data from previous years was prepared after consultations with UNICEF suppliers.

The tables show the awarded price per dose (in US\$) per product per supplier per calendar year, based on a multiyear supply agreement.

Document
Japanese encephalitis vaccine price data
See awarded prices paid per dose of the vaccine against Japanese encephalitis. 27/07/2021
[Download file](#)



Link	Vaccines pricing data
Overview	<ul style="list-style-type: none"> Historical (and future, if long term agreements have been signed) pricing data for UNICEF-procured vaccines
Tips for use	<ul style="list-style-type: none"> Use these price tables in conjunction with the Gavi detailed product profiles (DPPs) to understand pricing trends

WHO MI4A Database is a database of self-reported vaccine orders providing an estimate of prices and supply for countries



Link	WHO MI4A Database
Overview	<ul style="list-style-type: none">• Self-reported information by countries on vaccine prices, volumes, products, procurement modalities, contract length etc. updated annually• Reported by over 150 countries through the WHO/UNICEF Joint Reporting Form• Countries are anonymised
Tips for use	<ul style="list-style-type: none">• Note that this is not a comprehensive list of vaccine purchases (as it is self-reported), but can be a useful guide particularly when looking across large groups of countries where pricing data is not available through other sources (e.g., non-Gavi MICs)



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