



# VIEW-hub

by IVAC

[www.view-hub.org](http://www.view-hub.org)



JOHNS HOPKINS

BLOOMBERG SCHOOL  
*of* PUBLIC HEALTH

**IVAC**

International Vaccine  
Access Center

# VIEW-hub Data Update Process

1. Google News alerts to notify VIEW-hub team of any vaccine introductions mentioned in the press.
  - Then verified with partners at WHO, Gavi, and internally.
2. Work with IVAC internal and external partners to keep VIEW-hub updated on any new introductions.
3. Targeted monthly searches for new introductions using WHO and Gavi resources (i.e., WHO Immunization Repository, WHO Immunization Data portal).
4. Conduct full data audits every quarter to ensure that all introductions have been included and any additional data is updated.

# VIEW-hub Data Collection

- Data presented on VIEW-hub are continually updated at intervals based upon the frequency of data release or data availability.
- Data cleaning, updating, and basic data management tasks are performed by members of the VIEW-hub team at IVAC.
- Immunization colleagues internally within IVAC as well as external groups (e.g., WHO, Gavi) are routinely consulted about new updates or for verification/confirmation of data.
- A data audit is conducted every quarter. The last exhaustive review of data was conducted in July 2023.

# VIEW-hub Data Collection

Data input	Availability/update frequency	Data source
National estimates of immunization coverage	Annually (released July)	<a href="#">WHO/UNICEF</a>
Vaccine introductions (national or subnational introduction of Hib, Pneumococcal Conjugate, Rotavirus, Inactivated Polio, Typhoid Conjugate, Measles Containing vaccines and Measles- Rubella, Human Papillomavirus vaccines)	Varies	Google news alerts
	Monthly	<ul style="list-style-type: none"> <li>- WHO and Gavi resources (i.e., <a href="#">WHO Immunization Repository</a>, <a href="#">WHO Immunization Data portal</a>)</li> <li>- Ministries of health</li> <li>- Internal sources from Gavi</li> </ul>
Vaccine introductions (COVID-19 vaccines)	Monthly	<ul style="list-style-type: none"> <li>- WHO COVID-19 dashboard</li> <li>- Our World in Data</li> <li>- UNICEF COVID-19 market dashboard</li> <li>- Ministries of health</li> </ul>

# VIEW-hub Data Collection

Data input/Definitions	Availability/update frequency	Data source
Vaccine updates (Gavi status, product switches, etc.)	Monthly	Web, WHO, Gavi resources (i.e., <a href="#">WHO Immunization Repository</a> , <a href="#">WHO Immunization Data portal</a> , <a href="#">Gavi status</a> )
Access estimates (Calculated as the number of surviving infants globally living in countries or subnational regions within countries that have introduced the vaccine)	Annually	<b>Surviving infants</b> - Total population and crude birth rate: Population, total. <a href="#">World Bank Open Data</a> - Infant mortality rate: <a href="#">CME Info - child mortality estimates</a>
Vaccine coverage (PCV, Hib, Rota, IPV, MCV Dose 1 and Dose 2)	Annually	WHO/UNICEF Estimates of National Immunization Coverage (WUENIC) at the Global level ( <a href="https://immunizationdata.who.int/">https://immunizationdata.who.int/</a> )

# VIEW-hub Data Collection

Data input/Definitions	Availability/update frequency	Data source
DTP3 coverage rates	Annually	Diphtheria tetanus toxoid and Pertussis (DTP) vaccination coverage, <a href="#">WHO</a>
Vaccine product characteristics	Varies	<p>For all vaccines:</p> <ul style="list-style-type: none"> <li>- Approval documents from FDA, EMA, DSMB and other regulatory agencies.</li> <li>- Manufacturer’s product pamphlets.</li> </ul> <p>COVID-19 vaccines:</p> <ul style="list-style-type: none"> <li>- <a href="#">PAHO COVID-19 pharmacovigilance</a></li> <li>- COVID-19 vaccine tracker: <a href="https://covid19.trackvaccines.org/">https://covid19.trackvaccines.org/</a> and <a href="https://www.raps.org/news-and-articles/news-articles/2020/3/covid-19-vaccine-tracker">https://www.raps.org/news-and-articles/news-articles/2020/3/covid-19-vaccine-tracker</a></li> </ul> <p>Other vaccines:</p> <ul style="list-style-type: none"> <li>- Only vaccines that are included in the <a href="#">list of WHO pre-qualified vaccines</a></li> </ul>

# VIEW-hub Data Collection

<b>Data input/Definitions</b>	<b>Availability/update frequency</b>	<b>Data source</b>
World Bank income groups	Annually	<a href="#">World Bank Country and Lending groups</a>
GNI in USD (calculated by the Atlas method)	Annually	<a href="#">World Bank</a> - GNI per capita, Atlas method
Birth cohort	Annually	<a href="#">UN, World Population Prospects (2022)</a>