

MI4A Vaccine Purchase Data for Countries

This note is intended to guide countries in their use of the MI4A vaccine purchase data.

The MI4A Vaccine Purchase Database

What data is available?

The WHO vaccine market intelligence database compiles vaccine purchase (product, price and procurement) data as reported by countries via the WHO/UNICEF Joint Reporting Form (JRF) over the period of 2013–2019.

While country names are not displayed, data is publicly available on the WHO website and provides information by country characteristics (e.g. region, income group...) by vaccine and by year of purchase, along with price per dose (USD), procurement mechanism and annual volumes.

The vaccine purchase data reported by countries is essential to WHO to build a complete global market view, identifying risks to vaccine access without underrepresenting certain market segments.

In 2019, new questions were included in the JRF to support efforts on prospective data collection and have better visibility on countries' future plans – for new vaccine introductions, but also for product switches – and to understand the status of product registrations.

Information on future vaccine introductions and switches are essential to WHO's efforts to improve global market forecasts and inform suppliers' and global policy-makers' investment decisions. Only 50% of new vaccine introductions were reported through the JRF in the last 5 years. **WHO encourages all countries to report information on any new vaccine introduction plan and planned product changes and switches as well as to respond to questions related to registration.**

How can my country use this data?¹

Countries can use the vaccine purchase data in several different ways, such as to:

- **Understand how the price of vaccines in their immunization schedule relate to other products on the market**, or compare the prices paid by other countries in similar conditions (e.g. income, funding/procurement group, contract conditions) – *for example: how much does seasonal flu vaccine cost in countries similar to mine?*
- **Identify other vaccines available from a given manufacturer** – *for example, what products are in the portfolio of a manufacturer of interest for my country?*
- **Understand other available products and presentations for each vaccine** – *for example, which BCG vaccine products are on the market?*
- **Develop budget estimates** to inform new vaccine introduction product choices, planning and budgeting

The 2019 data, provided in Section D for easy reference, is organized by vaccine, listing all reported manufacturers and vial sizes. Prices are indicated by procurement mechanism, income group and WHO region. Reference to UNICEF price information is included in Section B; PAHO Revolving Fund prices are reported in Section C.

The Vaccine Purchase data set (including past years' data) can also be downloaded in Excel format from <http://who.int/immunization/MI4A>

¹ Also refer to the guidance note on "How to interpret the data: factors to consider when comparing vaccine price": https://www.who.int/immunization/programmes_systems/procurement/mi4a/platform/module2/factors_to_consider.pdf?ua=1

Building on the list of products reported as purchased by countries, WHO is also leveraging other publicly available intelligence to publish a more complete list of vaccine products available for procurement – including non-prequalified-vaccines.² This list is included in Section A.

Reporting Vaccine Purchase Data

Over the years, WHO has seen great progress in reporting of vaccine purchase data through the JRF. 182 Member States (93%) reported some vaccine procurement information in 2019 – including 158 (81%) fully reporting on vaccine purchase data. 15 Member States did not report any vaccine purchase data.

In 2020, country reporting decreased by 9% from last year due to competing priorities in managing the COVID-19 pandemic, but reporting still remains high. Most of the decrease comes from high-income countries (HICs), of which 35% did not report any data, compared to 20% last year.

WHO encourages countries to continue and report on vaccine purchase data through the JRF.

Documenting use of MI4A data

Understanding and monitoring the impact of market information use in countries is an area of focus for WHO and its partners. WHO aims to support information sharing between countries by documenting and sharing examples of how the use of MI4A data has been used for improved access to vaccines.

WHO encourages countries to share their experience on the use of the MI4A Vaccine Purchase Data at MI4A@who.int WHO can also respond to any request or questions at this address.

Immunization Agenda IA 2030

In August 2020, the 73rd World Health Assembly endorsed the **Immunization Agenda 2030: A Global Strategy to Leave No One Behind (IA2030)**.³ IA2030 sets an ambitious, overarching global vision of a world where everyone, everywhere, at every age fully benefits from vaccines for good health and well-being.

IA2030 is based on a conceptual framework of seven strategic priorities. Strategic Priority 6 is focused on Supply and sustainability with the objective that all countries have a reliable supply of appropriate and affordable vaccines of assured quality, and sustainable financing for immunization programmes. MI4A contributes to the IA 2030 objectives by enhancing access to information and by providing global understanding of market dynamics supporting efforts for improved access to vaccines in countries.

For more information please consult the [WHO website](#).

² The list of vaccine products provides an overview of vaccine products available organized by vaccine type, manufacturer and commercial name. See Section A and Excel format available on the WHO website:

https://www.who.int/immunization/programmes_systems/procurement/mi4a/platform/module1/en/

³ https://www.who.int/docs/default-source/immunization/strategy/ia2030/ia2030-document-en.pdf?sfvrsn=5389656e_66&download=true

Key messages to countries

COVID-19 PANDEMIC IMPACT ON VACCINE SUPPLY

The COVID-19 pandemic has had a major impact on 2020 in many ways. Disruptions and challenges affected immunization programmes and access to vaccines in many countries across the world.

In November 2020, WHO published a guidance document on the guiding principles for immunization activities during the COVID-19 pandemic or any other major disruption.⁴

It is expected that in the short to mid-term, countries will be implementing catch up activities following the service delivery disruptions and mass vaccination campaign suspensions experienced in 2020.

WHO encourages all countries to timely share any anticipated change in vaccine requirements with WHO offices at country, regional and/or headquarter level or their procurement agents (e.g. UNICEF, PAHO Revolving Fund) so all efforts can be explored to enhance timely availability of supply.

Information can be shared with WHO through the following address: MI4A@who.int

The data shared by countries allows MI4A to complete global analysis, providing key insights to understand availability and affordability issues. A Global Vaccine Market Report is published annually, offering global insights on vaccine markets.⁵

MI4A also develops vaccine-specific Global Market Studies. In 2020, Global Market studies were published on Measles Containing Vaccines, Pneumococcal Vaccines, HPV, Rabies and Typhoid vaccines. Assessment of D&T, BCG and Meningococcal Meningitis Vaccines were published in 2019.⁶ **The section below highlights important messages from these market studies for countries to consider.**

MEASLES CONTAINING VACCINES (2020)

- A new Measles-Rubella Strategic Framework has been recently endorsed as part of IA2030.⁷
- **Global supply is currently sufficient to meet demand across all vaccine types.** However, there are factors that may impact supply availability at individual country level including the timing of large SIAs for M and MR, and the potential of future catch-up campaigns. This is especially true for large countries with sizeable demand. Timing and appropriate cross-country synchronization of those immunization activities will be important to avoid facing issues with supply availability.
- Similarly, choices to switch to MMR/MMRV require timely signalling to producers and procurement agents to ensure supply availability, given the limited short-term supply flexibility from the manufacturers of those vaccines.

⁴ <https://www.who.int/publications/i/item/immunization-as-an-essential-health-service-guiding-principles-for-immunization-activities-during-the-covid-19-pandemic-and-other-times-of-severe-disruption>

⁵ The most recent version of the Global Vaccine Market Report is available at: https://www.who.int/immunization/programmes_systems/procurement/mi4a/platform/module2/en/

⁶ All MI4A Global Market Studies are available on the WHO website: https://www.who.int/immunization/programmes_systems/procurement/mi4a/platform/module2/en/

⁷

- M and MR are the lowest priced Measles Containing Vaccines available although the prices for both of these vaccines vary widely. MMR price is significantly higher compared to MR, particularly for MICs, and has been reported as a barrier to introduction. The price for a higher-dose presentation of MMR is much lower than the single dose presentation MMR – particularly for self-procuring MICs – but this presentation has more limited availability. MMRV is more expensive than MMR.
- **In the context of the COVID-19 pandemic and the urgent need to fill emerging immunity gaps as soon as possible, countries are encouraged to signal to the WHO offices at country, regional and/or headquarter level and the procurement agents any plan for upcoming SIA and catch up campaigns.**

Information can be shared with WHO through the following address: MI4A@who.int

HPV VACCINES (2020)⁸:

- **A very high interest in HPV vaccination programme by countries across all income groups, has led to a sharp increase demand in the past few years.** In 2020, WHO Member States have adopted the Global Strategy towards the elimination of Cervical Cancer through national introductions of HPV in all countries and increased coverage. WHO expects that the elimination strategy will continue to increase demand over the coming years.
- **There is currently limited supply available to meet demand and this requires careful management until 2024. In this context, it is imperative that countries:**
 - 1- Give due consideration to all available HPV products – WHO considers that from a public health perspective, all three licensed and prequalified HPV vaccines, by protecting against HPV16& 18 are equally effective to prevent cervical cancer⁹.
 - 2- Carefully consider WHO's Strategic Advisory Group of Experts (SAGE) on Immunization recommendations on HPV issues in 2019 – SAGE recommended that all countries should temporarily **pause implementation of gender-neutral, older age group (>15 years) and multi-age cohort** HPV vaccination strategies as well as consider possible alternative strategies¹⁰.
 - 3- Timely communicate any deviations to introduction plans as well as any catch up activity related to the COVID-19 pandemic to WHO or their procurement agent
- Trends in pricing indicate that for self procuring countries, HPV2 product is available at a lower price compared to HPV4 product. The price of HPV vaccine has decreased over time for all countries regardless of their income group. Further significant changes in price are expected to materialize once investments have been recovered and a competitive environment is established.

Information can be shared with WHO through the following address: MI4A@who.int

⁸ WHO HPV Vaccines Position Paper (Last update May 2017):
<https://apps.who.int/iris/bitstream/handle/10665/255353/WER9219.pdf?sequence=1/>

⁹ *Choice of HPV vaccines* - WHO HPV Vaccines Position Paper, p267

¹⁰ WHO Weekly Epidemiological Record (WER) Meeting of the Strategic Advisory Group of Experts on Immunization, October 2019: conclusions and recommendations: <https://apps.who.int/iris/bitstream/handle/10665/329962/WER9447-eng-fre.pdf?ua=1>

PNEUMOCOCCAL VACCINES (2020)¹¹:

- **Global supply for pneumococcal conjugate vaccine (PCV) is currently sufficient and is expected to improve based on new products to be registered in the near future.** In 2019, a new PCV product received WHO prequalification and is available at a lower price than previous PCV products. Affordability of PCV has been raised as an important concern by MICs.
- In view of the differences in serotype coverages among the available vaccines, the **WHO encourages countries to consider all relevant aspects** (such as local epidemiology, cost-effectiveness, affordability, vaccine management, price, market conditions, etc.) **when selecting a vaccine product.** Duly considering all quality assured products enhances the establishment of a healthy supply base and reduces possibilities of shortages. **Early communication to WHO offices at country, regional and/or headquarter level and procurement entities on product preferences will allow informed investments by companies.**
- **Pneumococcal polysaccharide vaccine supply is vulnerable** because of the dependence on a single large manufacturer that accounts for most supply outside of China. **WHO recommends countries to communicate with WHO, the procurement agent and the supplier to be fully informed of the supply situation.**

Information can be shared with WHO through the following address: MI4A@who.int

TYPHOID (2020)¹²

- Different typhoid vaccines are available on the market for the control of typhoid fever; among the available typhoid vaccines, TCV is preferred at all ages given its improved immunological properties, suitability for use in younger children, and expected duration of protection.
- There is currently only one TCV manufacturer with a WHO prequalified product (2017), with another manufacturer anticipated to receive WHO prequalification (PQ) for its TCV vaccine by the end of 2020. Ty21a and ViPS established vaccines supply is reducing as is the number of suppliers.
- **Global supply for TCV is available to meet the foreseen demand needs, and no imbalance is anticipated in the short, mid or long-term. Supply for Ty21a and ViPS is more uncertain** and is expected to reduce greatly in the mid-long term as demand evolves and switches to TCV.
- **WHO encourages countries, particularly those non benefitting from Gavi support, to (i) consider estimating their typhoid burden and typhoid antimicrobial resistance to make evidence-based decisions regarding introduction of Typhoid vaccines, define the most appropriate vaccination strategy and appropriately estimate their demand. Countries currently using typhoid vaccines are encouraged to update the WHO and procurement agents about their future plans and potential intention for switching to TCV.**

Information can be shared with WHO through the following address: MI4A@who.int

¹¹ WHO Pneumococcal Conjugate Vaccines Position Paper (Last update February 2019):

<https://apps.who.int/iris/bitstream/handle/10665/310968/WER9408.pdf?ua=1>

¹² WHO Typhoid Vaccines Position Paper (Last update March 2018):

<http://apps.who.int/iris/bitstream/handle/10665/272272/WER9313.pdf?ua=1>

RABIES (2020)¹³

- In 2015, the WHO, the World Organization for Animal Health (OIE), the Food and Agriculture Organization (FAO), and the Global Alliance for Rabies Control (GARC) endorsed a global framework to eliminate human deaths from dog mediated rabies by 2030 – “Zero by 30”.
- In 2018 and 2019, shortages of rabies vaccine were reported in a number of countries; shortages were caused by one-time events linked to the discontinuation of a product and issues with production and lot releases for some other vaccines. Overall, **there is sufficient supply available to meet country demand in the short – mid- and long-term horizon.**
- **Moving forward, countries are encouraged to implement the switch from intramuscular (IM) to intradermal (ID) route of administration and to timely communicate with WHO and procurement agents their plans so that overall supply can be calibrated to demand. This will avoid risks of single country shortages and exit from markets of key suppliers that can alter the current positive balance of demand and supply.**

Information can be shared with WHO through the following address: MI4A@who.int

BCG VACCINES (2019)¹⁴:

- As of 2019, **available global supply is more than twice the global demand, and this situation is likely to continue in the future.** BCG vaccine is produced by over 20 manufacturers, which ensures a large supplier base.
- However, national stock-outs may still emerge in the event of production issues from individual manufacturers in reason of (i) the concentration of a large share of global supply in two manufacturers that are regulated by the same NRA, (ii) an unstable manufacturing process, that can lead to unexpected and sudden reduction in availability; and (iii) many countries having only one product registered.
- Vaccine product registration is also an important factor affecting access to vaccines. Ensuring that, whenever possible, there are always multiple product **registered and/or reliance on prequalification / mutual recognition is leveraged will help countries to avoid stock-outs in the case of market exit or supply shortage from the preferred manufacturer.**

Information can be shared with WHO through the following address: MI4A@who.int

DIPHTHERIA AND TETANUS (D&T)–CONTAINING VACCINES (2019):

- Global vaccine supply is sufficient across all D&T-containing combinations for all countries to introduce the recommended life course of six doses of D&T–containing vaccines and to replace TT vaccine with Td.
- Supply of acellular pertussis (aP)–containing vaccines remains limited. It is sufficient to support demand from countries where the product is already in use, but introduction in additional countries may lead to availability issues and require, under all circumstances, 12 to 18 months advance notice to the suppliers or

¹³ WHO Rabies Vaccines Position Paper (Last update April 2018):

https://www.who.int/rabies/resources/who_wer9316/en/

¹⁴ WHO BCG Vaccines Position Paper (Last update February 2018):

<http://apps.who.int/iris/bitstream/10665/260306/1/WER9308.pdf?ua=1>

procurement agency. **This constraint – and the WHO recommendations on pertussis¹⁵ – should be taken into account before considering switching from whole-cell pertussis (wP)–containing products.** Supply for whole-cell (wP)–containing vaccines remains sufficient to absorb any production issues or sudden increases in demand.

- Some vaccine combinations (DTwP-HepB, DTwP-Hib, TdaP-IPV, Td-IPV) are used in a very limited number of countries and may be at risk of discontinuation from the manufacturers. **Countries procuring those combinations should make themselves aware of potential product alternatives and contact regularly the WHO and their procurement agents to ascertain the evolution of the market**

Information can be shared with WHO through the following address: MI4A@who.int

MENINGOCOCCAL VACCINES (2019)¹⁶:

- In 2020, the WHA endorsed the “Defeating Meningitis by 2030: a global roadmap”¹⁷, a global strategy with the goal to achieve higher vaccine coverage among the population. This may lead countries to redefine their strategies with potential impact on future demand.
- The meningococcal vaccine market is diverse and complex, with regional variations in serogroup distribution, significant use outside of routine immunization, and 29 marketed products targeting various combinations of the five serogroups (A, B, C, W, Y) in conjugated, polysaccharide and protein based forms. Countries – particularly MICs – are facing a number of challenges in access to these vaccines. In particular, discontinued production of some polysaccharide vaccines has reduced country access, and constraints in supply are expected to continue in the near future.
- **The currently available global supply of conjugate MenACWY is insufficient to meet demand growth.** For successful vaccines switch or introduction, MICs and LMICs should carefully consider market limitation and plan accordingly. Global supply for polysaccharide vaccine is also reducing and fewer prequalified products are available.
- **Countries are encouraged to regularly share their demand and any plan for changes with WHO and their procurement agents and engage in dialogue with manufacturers early in this process.**

Information can be shared with WHO through the following address: MI4A@who.int

¹⁵ WHO Pertussis Position Paper (Last update August 2015): “National programmes currently administering wP vaccination should continue to use wP vaccines for primary vaccination series. Surveillance and modelling data suggest that the use of aP vaccines may result in a resurgence of pertussis after a number of years and such resurgence may also lead to an increased risk of death in those too young to be vaccinated.” <https://www.who.int/wer/2015/wer9035.pdf?ua=1>

¹⁶ WHO Meningococcal Vaccines Position Paper (Last update November 2011): <https://www.who.int/wer/2011/wer8647.pdf?ua=1>

¹⁷ “Defeating meningitis by 2030: a global road map”, <https://www.who.int/publications/m/item/defeating-meningitis-by-2030-a-global-road-map>

What is MI4A?

WHO launched the Market Information for Access (MI4A) project in 2018 with the objectives to:

- Enhance the understanding of global vaccine demand, supply and pricing dynamics and identifying affordability and shortage risks;
- Convene all relevant global health partners to contribute to the development of policies, strategies and guidance to address the identified risks; and
- Strengthen national and regional capacity for improved access to vaccines supply – focusing in particular on improving availability of information and use of data in self-funding and self-procuring middle-income countries. Those countries are mostly excluded from international support and the majority do not have sufficient access to market information.

This project was launched to contribute to the achievement of Sustainable Development Goal 3.8 (universal health coverage target) by enhancing access to safe, effective, quality and affordable vaccines for all. MI4A is part of the broader WHO effort to ensure availability of Essential Medicines and responds to specific requests from Member States and SAGE to address vaccine market information gaps.

The importance of improving access to vaccines and medicines was once again raised by Member States at the 2019 World Health Assembly with the endorsement of the WHO Access Roadmap for Medicines, Vaccines and Other Health Products.¹⁸ A resolution¹⁹ on improving the transparency of markets for medicines, vaccines and other health products was also adopted to “facilitate efforts towards affordable and equitable access to health products.”

More information on WHO’s MI4A initiative is available at: <http://who.int/immunization/MI4A>

Disclaimer

Information contained in the MI4A database is provided by participating countries that have agreed to share vaccine price and procurement data. Participating countries are solely responsible for the accuracy of the data provided.

The information contained in the MI4A database does not in any way imply an endorsement, certification, warranty of fitness or recommendation by WHO of any company or product for any purpose, and does not imply preference over products of a similar nature that are not mentioned. WHO furthermore does not warrant that: (1) the information is complete and/or error free; and/or that (2) the products listed are of acceptable quality, have obtained regulatory approval in any country, or that their use is otherwise in accordance with the national laws and regulations of any country, including but not limited to patent laws. Inclusion of products in the database does not furthermore imply any approval by WHO of the products in question (which is the sole prerogative of national authorities).

WHO will not accept any liability or responsibility whatsoever for any injury, death, loss, damage, or other prejudice of any kind that may arise as a result of, or in connection with the procurement, distribution and use of any product listed in the MI4A database.

¹⁸ WHO. (2018). Addressing the global shortage of, and access to, medicines and vaccines. http://apps.who.int/gb/ebwha/pdf_files/WHA71/A71_12-en.pdf

¹⁹ WHO. (2019). Improving the transparency of markets for medicines, vaccines, and other health products. http://apps.who.int/gb/ebwha/pdf_files/WHA72/A72_ACONF2Rev1-en.pdf

A. Available Products List - as known to WHO

The MI4A Products List provides a snapshot overview of vaccine products available for procurement - irrespective of their WHO prequalification status - as of November 2020.

This list reflects information reported by countries through the 2020 Joint Reporting Form (JRF) and is supplemented with available information gathered through separate consultations. As part of the MI4A project, WHO conducts in-depth global market studies where the list of available vaccines can be considered comprehensive and up to date. Studies conducted so far include BCG, D&T-containing, measles-containing, meningococcal, HPV, pneumococcal, rabies, and typhoid vaccines. For all the other vaccines it should be noted that this list may not be complete and may be missing some products whose availability is not documented through public reported data and sources.

For reference the list of WHO Prequalified vaccines is available at:

https://www.who.int/immunization_standards/vaccine_quality/PQ_vaccine_list_en/en/

Vaccine	WHO PQ	Manufacturer	Vial Size	Commercial Name (where available)
Anthrax	No	Kazakh	10-dose	Y. pestis EV line NIEG attenuated (lyophilized)
		Ministry of Defense, Russia	10-dose	Unknown
BCG	No	Administración Nacional de Laboratorios e Institutos de Salud	10-dose	Unknown
			20-dose	Unknown
		AJ Vaccines A/S	20-dose	BCG vaccine (former SSI - Statens Serum Institut)
		BCG Vaccine Laboratory	Unknown	Unknown
		BCG Vaccine Laboratory, Chennai	10-dose	Unknown
			20-dose	Unknown
		Biomed Lublin	10-dose	Antitubercle vaccine (Szczepionka przeciwgruzlicza)
		BioVac	20-dose	BCG VACCINE SSI ID
		Chengdu Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	5-dose	BCG Vaccine for Intradermal Injection - 0.25mg
		Fundacao Ataulpho de Paiva	10-dose	BCG vaccine
		GreenSignal Bio Pharma Limited	10-dose	BCG vaccine 10 (Freeze Dried)
			20-dose	BCG vaccine (Freeze Dried) - Intradermal
		ImmunoBiology Ltd	Unknown	T-Biovax
		Institut Pasteur de Tunis	20-dose	BCG vaccine, freeze-dried - Pasteur 1173 P2 strain
		Institut Pasteur Iran	20-dose	Lyophilized B.C.G vaccine
		Institute of Vaccines and Medical Biologicals, Vietnam	10-dose	Freeze dried BCG vaccine
		Instituto Biologico Argentino SAIC	10-dose	Unknown
		Japan BCG Laboratory	1-dose	Freeze-Dried BCG Vaccine for Percutaneous Use
		Merck Vaccines	1-dose	TICE® BCG
		Microgen	10-dose	BCG. One dose contains 0.05mg of BCG cells in 0.1 ml of solvent
			20-dose	BCG. One dose contains 0.05mg of BCG cells in 0.1 ml of solvent
		National Institute of Infectious Diseases & Vaccinology	20-dose	Unknown
		PT Bio Farma (Persero)	5-dose	BCG Vaccine (Freeze Dried)

BCG	No	PT Bio Farma (Persero)	10-dose	BCG Vaccine (Freeze Dried)	
			20-dose	BCG Vaccine (Freeze Dried)	
		Serum Institute of India Pvt. Ltd.	10-dose	BCG Vaccine	
			20-dose	BCG Vaccine for Intradermal Injection	
		Shaanxi Pharmaceutical	20-dose	BCG Vaccine for Intradermal Injection	
		Shanghai Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	5-dose	BCG Vaccine for Intradermal Injection - 0.25mg	
		Staten Serum Institute	10-dose	BCG Vaccine SSI	
			20-dose	BCG vaccine SSI	
		Taj Pharma Ltd	20-dose	Unknown	
		Thai Red Cross	10-dose	Freeze dried BCG vaccine 0.1 mL	
	Yes	Torlak	10-dose	BCG Vaccine	
			20-dose	BCG Vaccine	
		AJ Vaccines A/S	10-dose	BCG Vaccine (former SSI - Statens Serum Institut)	
		Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	10-dose	BCG Vaccine	
			20-dose	BCG Vaccine	
		Japan BCG Laboratory	10-dose	BCG Freeze Dried Glutamate vaccine	
			20-dose	BCG Freeze Dried Glutamate vaccine	
		Serum Institute of India Pvt. Ltd.	20-dose	BCG Vaccine	
bOPV	No	Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	10-dose	Poliomyelitis Vaccine (live, oral attenuated, human Diploid Cell), type 1 and 3	
		Bio-Manguinhos/Fiocruz	25-dose	Vacina Poliomielite 1.3	
		Bio-Med	20-dose	Unknown	
		BIRMEX	20-dose	Vacuna Antipoliomielítica Bivalente Oral	
		Chumakov Federal Scientific Center	10-dose	Unknown	
		Panacea Biotec Ltd.	10-dose	Unknown	
		POLYVAC	20-dose	bivalent Oral Polio Vaccine 2mL	
		Razi Vaccine & Serum Research Institute	10-dose	bOPV vaccine	
			15-dose	bOPV vaccine	
		Sanofi Pasteur	1-dose	Unknown	
			10-dose	Unknown	
		VABIOTECH	10-dose	Unknown	
			20-dose	Unknown	
	Yes	Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	20-dose	Poliomyelitis Vaccine (live, oral attenuated, human Diploid Cell), type 1 and 3	
		Bharat Biotech International Limited	10-dose	BIOPOLIO B1/3	

bOPV	Yes	Bharat Biotech International Limited	20-dose	BIOPOLIO B1/3	
		GlaxoSmithKline Biologicals SA	10-dose	Polio Sabin One and Three	
			20-dose	Polio Sabin One and Three	
		Haffkine Bio Pharmaceutical Corporation Ltd	20-dose	Bivalent type 1&3 Oral Poliomyelitis vaccine, IP (bOPV1&3)	
		Panacea Biotech Ltd.	20-dose	Unknown	
		PT Bio Farma (Persero)	10-dose	Bivalent Oral Poliomyelitis Vaccine Type 1&3 (bOPV 1&3)	
			20-dose	Bivalent Oral Poliomyelitis Vaccine Type 1&3 (bOPV 1&3)	
		Sanofi Pasteur	20-dose	Polio Vaccine - Oral (OPV) Bivalent Types 1 and 3	
		Serum Institute of India Pvt. Ltd.	10-dose	Poliomyelitis Vaccine (Oral), Bivalent types 1 and 3	
			20-dose	Poliomyelitis Vaccine (oral) Bivalent types 1 and 3	
CCHF	No	Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	1-dose	Inactivated CHF - agent (strain V 42/81) 1mL	
Diphtheria	No	IBSS Biomed	1-dose	Unknown	
			20-dose	Unknown	
		Microgen	1-dose	AD-M toxoid - Diphtheria toxoid adsorbed purified with reduced antigen content liquid (ATC: J06AA01 Diphtheria toxoid) - 0.5 mL	
			2-dose	AD-M toxoid - Diphtheria toxoid adsorbed purified with reduced antigen content liquid (ATC: J06AA01 Diphtheria toxoid) - 0.5 mL	
			20-dose	AD-M toxoid - Diphtheria toxoid adsorbed purified with reduced antigen content liquid (ATC: J06AA01 Diphtheria toxoid)	
DT	No	Arabio	10-dose	Diphtheria Toxoid (Child & adult)	
		Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	Unknown	Unknown	
		Biological E. Limited	1-dose	Adsorbed Diphtheria and Tetanus Vaccine BP	
			10-dose	Adsorbed Diphtheria and Tetanus Vaccine	
			20-dose	Adsorbed Diphtheria and Tetanus Vaccine	
		BioVac	10-dose	DIFTAVAX	
		Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	1-dose	DIFTET (DT) vaccine	
		Butantan	Unknown	Diphtheria and Tetanus (DT) Infant and Children Use	
		Finlay Institute	10-dose	VA-DIFTET	
		IBSS Biomed	1-dose	Unknown	
		Intervax	1-dose	DIPHThERIA TETANUS VACCINE (ADSORBED) (For Pediatric)	
			10-dose	DT	
			20-dose	DIPHThERIA TETANUS VACCINE (ADSORBED) (For Pediatric)	
		Microgen	1-dose	DIPHThERIA AND TETANUS ANATOXIN (TOXOID)	
			2-dose	DIPHThERIA AND TETANUS ANATOXIN (TOXOID)	
			20-dose	DIPHThERIA AND TETANUS ANATOXIN (TOXOID)	

DT	No	Razi Vaccine & Serum Research Institute	10-dose	DT vaccine
			14-dose	DT vaccine
		Sanofi Pasteur	1-dose	DT VAX
			10-dose	DT VAX
		Takeda	1-dose	ADSORBED DIPHTHERIA-TETANUS COMBINED TOXOID » TAKEDA «
		Torlak	10-dose	Ditevaksal-T (DT)
		Vacsera	10-dose	Unknown
		Wuhan Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	4-dose	Diphtheria and Tetanus Combined Vaccine, Adsorbed
	Yes	Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	10-dose	Diftet
			20-dose	DIFTET (DT) vaccine
		PT Bio Farma (Persero)	10-dose	Adsorbed DT Vaccine
		Serum Institute of India Pvt. Ltd.	1-dose	Diphtheria and Tetanus Vaccine Adsorbed (Paediatric)
			10-dose	Diphtheria and Tetanus Vaccine Adsorbed (Ped)
			20-dose	Diphtheria and Tetanus Vaccine Adsorbed (Pediatric)
DTaP	No	SK Bioscience Co., Ltd.	1-dose	SK DPT3
		Arabio	Unknown	Unknown
			1-dose	Unknown
		Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	1-dose	DTaP Combined Vaccine, Adsorbed - 0.5ml
		Boryung	1-dose	Boryung Purified PDT Vaccine
		Butantan	1-dose	Unknown
		Chengdu Institute of Biological Products Co.,Ltd	1-dose	Diphtheria, Tetanus and Acellular Pertussis Combined Vaccine, Adsorbed
		GlaxoSmithKline Biologicals SA	1-dose	Infanrix
		Microgen	1-dose	Adsobred Pertussis-Diphtheria-Tetanus Vaccine
			2-dose	Adsobred Pertussis-Diphtheria-Tetanus Vaccine
		Sanofi Pasteur	1-dose	Daptacel
		Walvax	1-dose	Diphtheria, Tetanus and Acellular Pertussis Combined Vaccine, Adsorbed
		Wuhan Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	1-dose	Diphtheria, Tetanus and Acellular Pertussis Combined Vaccine, Adsorbed
DTaP-HepB-Hib-IPV	No	GlaxoSmithKline Biologicals SA	1-dose	Infanrix hexa
		Merck Vaccines	1-dose	Vaxelis (5 component pertussis, Merck/Sanofi Pasteur)
	Yes	Sanofi Pasteur	1-dose	Hexaxim (2 component pertussis)
DTaP-HepB-IPV	No	GlaxoSmithKline Biologicals SA	1-dose	Infanrix Penta
DTaP-Hib	No	Beijing Minhai Biotec Group	1-dose	DTaP-Hib Combined Vaccine

DTaP-Hib	No	GlaxoSmithKline Biologicals SA	1-dose	Infanrix-Hib
		Sanofi Pasteur	1-dose	TriHIBit
DTaP-Hib-IPV	No	AJ Vaccines A/S	1-dose	DiTeKiPol/Hib
		Farmeks	1-dose	Pentaxim, Pentavac (2 component pertussis), Pentacel (5 component) or Pediacel (5 component)
		GlaxoSmithKline Biologicals SA	1-dose	Infanrix-IPV/Hib
		Nanolek	1-dose	Pentaxim
		Sanofi Pasteur	1-dose	Pentacel/Pediacel (5 component pertussis)
				Pentaxim/Pentavac (2 component pertussis)
DTaP-IPV	No	Biken	1-dose	Pentacel/Pediacel (5 component pertussis)
		Daiichi Sankyo	1-dose	Squarekids subcutaneous injection syringe
		GlaxoSmithKline Biologicals SA	1-dose	Kinrix (for use in children age 4-6 yrs old only)
		KM Biologics Co Ltd	Unknown	Quattrovac
		Mitsubishi Tanabe Pharma	Unknown	Tetrabik
		Sanofi Pasteur	1-dose	Tetravac (2 component pertussis), Tetraxim (2 component) or Quadracel (5 component)
		Wuhan Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	Unknown	Diphtheria and Tetanus combined vaccine, absorbed
DTwP	No	Bharat Biotech International Limited	1-dose	ComVac 3
		Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	10-dose	Diftekok
		Butantan	10-dose	diphtheria, tetanus and pertussis (DTP) vaccine absorbed
		Finlay Institute	Unknown	DTP-VAX
		IBSS Biomed	1-dose	DTP-Szczepionka blonicz-tezcowo-krztusowa adsorbowana Biomed
		Indian Immunologicals Ltd	1-dose	Abhay-TAG
		Institut Pasteur Iran	10-dose	Unknown
		Institute of Vaccines and Medical Biologicals, Vietnam	20-dose	DTP Vaccine 10mL/vial
		Institute Rafael Rangel Caracas	Unknown	Unknown
		Microgen	1-dose	DTP-vaccine
			2-dose	DTP-vaccine
			20-dose	DTP-vaccine
		Panacea Biotech Ltd.	10-dose	DTP vaccine
		Razi Vaccine & Serum Research Institute	Unknown	DTP
		Torlak	10-dose	Aldipete-T
		Vacsera	10-dose	DTP vaccine
	Yes	Biological E. Limited	1-dose	Unknown

DTwP	Yes	Biological E. Limited	10-dose	TRIPVAC
		PT Bio Farma (Persero)	10-dose	DTP Vaccine
		Serum Institute of India Pvt. Ltd.	1-dose	Diphtheria-Tetanus-Pertussis Vaccine Adsorbed
			10-dose	Diphtheria-Tetanus-Pertussis Vaccine Adsorbed
			20-dose	Diphtheria-Tetanus-Pertussis Vaccine Adsorbed
DTwP-HepB	No	Bharat Biotech International Limited	1-dose	ComVac 4
		Biological E. Limited	1-dose	Diphtheria, Tetanus, Pertussis (Whole Cell) and Hepatitis B (rDNA) Vaccine (Adsorbed)
			10-dose	Diphtheria, Tetanus, Pertussis (Whole Cell) and Hepatitis B (rDNA) Vaccine (Adsorbed)
		Centro de Ingenieria Genetica y Biotecnologia	Unknown	Unknown
		Microgen	1-dose	DTwP-HepB
			2-dose	DTP-HepB
		Serum Institute of India Pvt. Ltd.	2-dose	DTP Hep B (Liquid)
	Yes	Serum Institute of India Pvt. Ltd.	1-dose	Diphtheria ,Tetanus,Pertussis and Hepatitis B Vaccine Adsorbed
			10-dose	Diphtheria ,Tetanus, Pertussis and Hepatitis B Vaccine Adsorbed
			20-dose	DTP Hep B (Liquid)
DTwP-HepB-Hib	No	Arabio	1-dose	AraPenta
		Berna Biotech	1-dose	Quinvaxem
		Bharat Biotech International Limited	1-dose	ComVac 5
			5-dose	ComVac 5
			10-dose	ComVac5
		Centro de Ingenieria Genetica y Biotecnologia	1-dose	Heberpenta-L
		Espromed Bio	1-dose	Vacuna Pentavalente (DPT + HB + Hib) Adsorbida
		GlaxoSmithKline Biologicals SA	1-dose	Tritanrix HB+Hib
			2-dose	Tritanrix HB+Hib
		HLL Biotech Limited	Unknown	PENTAHIL
		Incepta Vaccine	1-dose	Propenta Vaccine
			10-dose	Propenta Vaccine
		Indian Immunologicals Ltd	1-dose	Vaxtar-5
			10-dose	Vaxtar 5
	Yes	Biological E. Limited	1-dose	ComBE Five
			2-dose	ComBE Five
			5-dose	ComBE Five

DTwP-HepB-Hib	Yes	Biological E. Limited	10-dose	ComBE Five
		Janssen Vaccines Corp.	1-dose	Quinvaxem
		LG Chem Ltd	1-dose	Eupenta
			10-dose	Eupenta
		Panacea Biotec Ltd.	1-dose	Easyfive-TT
			10-dose	Easyfive-TT
		PT Bio Farma (Persero)	5-dose	Pentabio
			10-dose	Pentabio
		Serum Institute of India Pvt. Ltd.	1-dose	Diphtheria, Tetanus, Pertussis, Hepatitis B and Haemophilus influenzae type b Conjugate Vaccine
			2-dose	DTP Hep B Hib (Liquid)
			10-dose	Diphtheria, Tetanus, Pertussis, Hepatitis B and Haemophilus influenzae type b Conjugate Vaccine Adsorbed
		Shantha Biotechnics Private Limited (A Sanofi Company)	1-dose	Shan-5
			10-dose	Shan-5
DTwP-HepB-Hib-IPV	No	Panacea Biotec Ltd.	1-dose	EasySix
			4-dose	EasySix
DTwP-Hib	No	Bio-Manguinhos/Fiocruz	5-dose	Diphtheria, tetanus, pertussis, and Haemophilus influenzae B (conjugated) Vaccine
		Panacea Biotec Ltd.	1-dose	Easyfour-TT
		Serum Institute of India Pvt. Ltd.	10-dose	Diphtheria, Tetanus, Pertussis and Haemophilus influenzae type b Conjugate Vaccine - liquid
	Yes	Serum Institute of India Pvt. Ltd.	1-dose	Diphtheria-Tetanus-Pertussis (whole cell)-Haemophilus influenzae type b freeze-dried
			2-dose	Diphtheria-Tetanus-Pertussis (whole cell)-Haemophilus influenzae type b freeze-dried
			5-dose	Diphtheria-Tetanus-Pertussis (whole cell)-Haemophilus influenzae type b freeze-dried
HepA (adult)	No	Changchun Changsheng	1-dose	Hepatitis A (Live) Vaccine, Freeze-Dried
			10-dose	Hepatitis A (Live) Vaccine, Freeze-Dried
		Janssen Vaccines Corp.	1-dose	Epaxal
		Merck Vaccines	1-dose	VAQTA, Hepatitis A Vaccine Inactivated - 1mL
		Sanofi Pasteur	1-dose	Avaxim 160 U Adult
		Vector-BiAlgam	1-dose	Hepatitis A
	Yes	GlaxoSmithKline Biologicals SA	1-dose	Havrix 1440 Adult
		Sinovac Biotech Co. Ltd	1-dose	Healive
HepA (ped.)	No	Butantan	1-dose	Vacina adsorvida hepatite A (inativada)
		Changchun Changsheng	1-dose	Hepatitis A (Live) Vaccine, Freeze-Dried
		China National Biotech Group	1-dose	Hepatitis A (Live) vaccine, Freeze-dried 0.5mL

HepA (ped.)	No	Chinese Institute of Medical Biology	1-dose	Freeze-dried Live Attenuated Hepatitis A Vaccine
		Merck Vaccines	1-dose	VAQTA, Hepatitis A Vaccine Inactivated - 0.5mL
		Sanofi Pasteur	1-dose	Avaxim 80 U Pediatric
		Vector-BiAlgam	1-dose	Hepatitis A
		Zhejiang Pukang Biology	1-dose	Hepatitis A (Live) Vaccine, Freeze-dried
	Yes	GlaxoSmithKline Biologicals SA	1-dose	Havrix 720 Junior
		Sinovac Biotech Co. Ltd	1-dose	Healive - 0.5ml containing 250u
HepA-Typhoid	No	GlaxoSmithKline Biologicals SA	1-dose	HepaTyrix
HepA+B	No	GlaxoSmithKline Biologicals SA	1-dose	Twinrix Adult
HepB (adult)	No	SK Bioscience Co., Ltd.	1-dose	Hepamune prefilled syringe
		Berna Biotech	5-dose	Hepavax-Gene
		Binnopharm	1-dose	Regevac B
		Biological E. Limited	1-dose	BEVAC
			10-dose	BEVAC
		Dynavax Technologies Corp	1-dose	Hepsilav
		Espromed Bio	1-dose	Espro Hepatitis B 20
		Institut Pasteur Iran	5-dose	Recombinant hepatitis B vaccine
		Janssen Vaccines Corp.	1-dose	Hepavax-Gene TF (thimerosal free)
		LG Chem Ltd	5-dose	Euvax B (adult)
			10-dose	Euvax B (adult)
		Merck Vaccines	1-dose	HB Vaxpro
		Microgen	1-dose	HEPATITIS B VIRUS VACCINE, RECOMBINANT-DNA, YEAST - 1mL
		Sanofi Healthcare India Private Limited (India)	1-dose	Shanvac-B (adult)
			10-dose	Shanvac-B (adult) 10mL
	Yes	Centro de Ingenieria Genetica y Biotecnologia	1-dose	Heberbiovac HB
			5-dose	Heberbiovac HB
		GlaxoSmithKline Biologicals SA	1-dose	Engerix B 20mcg
			10-dose	Engerix
			20-dose	Unknown
		LG Chem Ltd	1-dose	Euvax B (adult)
		Serum Institute of India Pvt. Ltd.	1-dose	Hepatitis B Vaccine (rDNA) (Adult)
			10-dose	Hepatitis B Vaccine (rDNA) (Adult)

HepB (ped.)	No	SK Bioscience Co., Ltd.	1-dose	Hepamune inj.
		Berna Biotech	1-dose	Hepavax-Gene
			10-dose	Hepavax-Gene
		Bharat Biotech International Limited	1-dose	Revac-B+
			5-dose	Revac-B+
			10-dose	Revac-B+
		BioKantai	1-dose	Hepatitis B vaccine
		Biological E. Limited	1-dose	BEVAC
			2-dose	BEVAC
			5-dose	BEVAC
			10-dose	BEVAC
		Butantan	10-dose	Vacina adsorvida hepatite B (recombinante)
		China National Biotech Group	1-dose	Recombinant Hepatitis B Vaccine (Saccharomyces cerevisiae, HBsAg 5µg)
		Dalian Hissen	1-dose	HepB ped vaccine Hansenula yeast
		Espromed Bio	1-dose	Espro Hepatitis B 10
		Institut Pasteur Iran	10-dose	Recombinant hepatitis B vaccine
		Janssen Vaccines Corp.	1-dose	Hepavax
			10-dose	Hepavax
		LG Chem Ltd	2-dose	Euvax B
		Merck Vaccines	1-dose	HB Vaxpro
		Microgen	1-dose	HEPATITIS B VIRUS VACCINE, RECOMBINANT-DNA, YEAST - 0.5mL
		North China Pharmaceutical Group	1-dose	Recombinant Hepatitis B Vaccine
		PT Bio Farma (Persero)	1-dose	Hepatitis B Vaccine Recombinant
		Sanofi Healthcare India Private Limited (India)	1-dose	Shanvac-B
			10-dose	Shanvac-B
		VABIOTECH	1-dose	Hepatitis B vaccine 0.5 ml
	Yes	Centro de Ingenieria Genetica y Biotecnologia	1-dose	Heberbiovac HB
			10-dose	Heberbiovac HB
		GlaxoSmithKline Biologicals SA	1-dose	Engerix
			10-dose	Engerix
		LG Chem Ltd	1-dose	Euvax B
			10-dose	Euvax B

HepB (ped.)	Yes	Serum Institute of India Pvt. Ltd.	1-dose	Hepatitis B Vaccine (rDNA) (Ped)
			10-dose	Hepatitis B Vaccine (rDNA) (Ped)
Hib	No	GlaxoSmithKline Biologicals SA	10-dose	Hiberix
		LG Chem Ltd	1-dose	Euhib
		Merck Vaccines	1-dose	Pedvax HIB
		Novartis	1-dose	Vaxem HIB
		Sanofi Pasteur	10-dose	Act-HIB
	Yes	Centro de Ingenieria Genetica y Biotecnologia	1-dose	Quimi-Hib
		GlaxoSmithKline Biologicals SA	1-dose	Hiberix
		Sanofi Pasteur	1-dose	Act-HIB
		Serum Institute of India Pvt. Ltd.	1-dose	Hemophilus influenzae type b Conjugated Vaccine
Hib-MenAC conj.	No	Chongqing Zhifei	Unknown	HibACon
Hib-MenC conj.	No	GlaxoSmithKline Biologicals SA	1-dose	Menitorix
HPV2	No	BioVac	1-dose	Cervarix
	Yes	GlaxoSmithKline Biologicals SA	1-dose	Cervarix
			2-dose	Cervarix
HPV4	No	Butantan	1-dose	Vacina papilomavirus humano tipo, 6, 11, 16 e 18 (recombinante)
		Sinergium Biotech	1-dose	SILGARD VPH
	Yes	Merck Vaccines	1-dose	Gardasil
HPV9	Yes	Merck Vaccines	1-dose	Gardasil 9
IPV	No	AJ Vaccines A/S	1-dose	IPV Vaccine SSI
			5-dose	Picovax
		Arabio	5-dose	Unknown
		Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	1-dose	Inactivated Poliomyelitis Vaccine Made from Sabin Strains (Vero Cell)
		Bio-Manguinhos/Fiocruz	10-dose	Poliomyelitis 1, 2 and 3 (inactivated)
		Chinese Institute of Medical Biology	1-dose	Inactivated Poliomyelitis Vaccine
		Korea Vaccine	1-dose	Kovax Polio PF Inj
		PT Bio Farma (Persero)	1-dose	Unknown
			5-dose	inactivated polio vaccine
		Sanofi Pasteur	1-dose	IMOVAX POLIO
	Yes	Bilthoven Biologicals	1-dose	Poliomyelitis vaccine
			5-dose	Poliomyelitis vaccine multidose, suspension for injection 2.5 mL

IPV	Yes	GlaxoSmithKline Biologicals SA	1-dose	Poliorix
		Sanofi Healthcare India Private Limited (India)	5-dose	ShanIPV
		Sanofi Pasteur	10-dose	IMOVAX POLIO
		Serum Institute of India Pvt. Ltd.	1-dose	Poliomyelitis Vaccine (Inactivated)
			5-dose	Poliomyelitis Vaccine (Inactivated)
			10-dose	Poliomyelitis Vaccine (Inactivated)
JE inactivated (adult.)	Yes	Biological E. Limited	5-dose	JEEV
JE inactivated (adult)	No	Bharat Biotech International Limited	1-dose	Jenvac
			5-dose	Jenvac
	Yes	Biological E. Limited	1-dose	JEEV
JE inactivated (ped.)	No	Bharat Biotech International Limited	1-dose	Jenvac
			5-dose	Jenvac
		Boryung	1-dose	Boryung Cell culture-derived Japanese Encephalitis Vaccine (injection)
		GPO-MBP Co., Ltd.	2-dose	MBJEV, Beijing strain, Inactivated
		Green Cross Corporation	1-dose	JenceVac
		VABIOTECH	10-dose	Japanese Encephalitis vaccine - tech transfer from BIKEN Institute, Japan 5mL
		Valneva	1-dose	Ixiaro
		Biological E. Limited	1-dose	JEEV
			5-dose	JEEV
JE live attenuated (adult)	No	Wuhan Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	1-dose	Japanese Encephalitis Vaccine, Live Attenuated
	Yes	Chengdu Institute of Biological Products Co.,Ltd	1-dose	Japanese Encephalitis Vaccine Live (SA14-14-2)
			5-dose	Japanese Encephalitis Vaccine Live (SA14-14-2)
JE live attenuated (ped.)	No	China National Biotech Group	1-dose	Japanese Encephalitis Vaccine, Live Attenuated
		GPO-MBP Co., Ltd.	1-dose	IMOJEV MD
		Sanofi Pasteur	1-dose	IMOJEV MD (also produced in JV with GPO Thailand)
			4-dose	IMOJEV MD (also produced in JV with GPO Thailand)
		Wuhan Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	1-dose	Japanese Encephalitis Vaccine, Live Attenuated
	Yes	Chengdu Institute of Biological Products Co.,Ltd	1-dose	Japanese Encephalitis Vaccine Live (SA14-14-2)
			5-dose	Japanese Encephalitis Vaccine Live (SA14-14-2)
		GPO-MBP Co., Ltd.	4-dose	IMOJEV MD
Measles	No	BioVac	10-dose	Morbilvax
		Imunoloski zavod Zagreb	1-dose	Cjepivo protiv ospica

Measles	No	Intervax	10-dose	Measles Vaccine Live
		Microgen	1-dose	Measles vaccine
			2-dose	Live Tissue Culture Measles
		POLYVAC	10-dose	Measles vaccine. Freeze-dried, live attenuated vaccine. AIK-C Strain 5mL
		Razi Vaccine & Serum Research Institute	Unknown	Unknown
		Sanofi Pasteur	1-dose	ROUVAX
			10-dose	ROUVAX
		Takeda	1-dose	FREEZE-DRIED LIVE ATTENUATED MEASLES VACCINE » TAKEDA «
	Yes	PT Bio Farma (Persero)	10-dose	Measles vaccine
			20-dose	Measles Vaccine
		Serum Institute of India Pvt. Ltd.	1-dose	Measles Vaccine, Live attenuated
			2-dose	Measles
			5-dose	Measles Vaccine, Live attenuated
			10-dose	Measles Vaccine, Live attenuated
MenA conj.	No	Serum Institute of India Pvt. Ltd.	1-dose	MenAfriVac Meningococcal A Conjugate Vaccine - 10mcg
	Yes	Serum Institute of India Pvt. Ltd.	10-dose	MenAfriVac A Conjugate Vaccine 5mcg MenAfriVac A Conjugate Vaccine 10mcg
MenA Ps	No	Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	Unknown	Unknown
		China National Biotech Group	5-dose	Group A Meningococcal Polysaccharide Vaccine
		Wuhan Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	5-dose	Group A Meningococcal Polysaccharide Vaccine
MenAC conj.	No	Chongqing Zhifei	1-dose	MeningACon
		Walvax	1-dose	Group A and C Meningococcal Conjugate Vaccine
MenAC Ps	No	Bio-Manguinhos/Fiocruz	10-dose	Unknown
		Bio-Med	1-dose	Unknown
		China National Biotech Group	1-dose	Group A and C Meningococcal Polysaccharide Vaccine - 0.5mL - 50µg A - 50µg C
		Finlay Institute	Unknown	Vax-Men-AC
		Lanzhou Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	1-dose	Group A and C Meningococcal Polysaccharide Vaccine - 0.5mL - 50µg A - 50µg C
		Sanofi Pasteur	1-dose	POLYSACCHARIDE MENINGOCOCCAL A+C VACCINE
			10-dose	POLYSACCHARIDE MENINGOCOCCAL A+C VACCINE
		Vacsera	10-dose	MenAC Ps
		Walvax	1-dose	Group A and C Meningococcal Polysaccharide Freeze-dried
MenACW-135 Ps	No	Finlay Institute	10-dose	Vax-Men-ACW135

MenACW-135 Ps	No	Hualan Biological Bacterin Co., Ltd	Unknown	Unknown
MenACYW-135 conj.	No	Arabio	1-dose	Aramen : Conjugated Meningitis ACWY Vaccine (tech transfer)
	Yes	GlaxoSmithKline Biologicals SA	1-dose	Menveo
		Pfizer	1-dose	Nimenrix
		Sanofi Pasteur	1-dose	Menactra
MenACYW-135 Ps	No	Bio-Med	1-dose	Quadri Meningo
			10-dose	Quadri Meningo
		Chengdu Kanghua	1-dose	Group ACYW135 Meningococcal Polysaccharide Vaccine
		Chongqing Zhifei	1-dose	Menwayac
		GlaxoSmithKline Biologicals SA	1-dose	Mencevax
			10-dose	Mencevax 5mL
		Hualan Biological Bacterin Co., Ltd	1-dose	Group ACYW135 Meningococcal Polysaccharide Vaccine
		Incepta Vaccine	1-dose	Ingovax® ACWY
		Pfizer	10-dose	Mencevax 5mL
		Sanofi Pasteur	1-dose	Menomune
		Wavax	1-dose	Group ACYW135 Meningococcal Polysaccharide Vaccine
MenB	No	GlaxoSmithKline Biologicals SA	1-dose	Bexsero (ex Novartis product)
		Pfizer	1-dose	Trumenba
MenBC	No	Espromed Bio	1-dose	Espro Meningo BC
		Finlay Institute	1-dose	VA-MENGOC-BC
MenC conj.	No	Ezequiel Dias Foundation (FUNED)	1-dose	MenC vaccine
		GlaxoSmithKline Biologicals SA	1-dose	Menjugate (ex Novartis product)
		Nuron Biotech	1-dose	Meningitec
		Pfizer	1-dose	NeisVac-C (ex-Baxter product)
MM	No	Microgen	1-dose	Mumps-Measles vaccine
MMR	No	Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	1-dose	Measles, Mumps and Rubella Combined Vaccine, Live 0.5mL
		Bio-Manguinhos/Fiocruz	1-dose	Measles, mumps and rubella (MMR)
			10-dose	Measles, mumps and rubella (MMR)
		Razi Vaccine & Serum Research Institute	5-dose	MMR
		Sanofi Pasteur	1-dose	TRIMOVAX MÉRIEUX
			10-dose	TRIMOVAX MÉRIEUX
		Shanghai Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	1-dose	Measles, Mumps and Rubella Combined Vaccine, Live 0.5mL

MMR	Yes	GlaxoSmithKline Biologicals SA	1-dose	Priorix	
			2-dose	Priorix	
		Merck Vaccines	1-dose	rHA M-M-R II	
		Serum Institute of India Pvt. Ltd.	1-dose	Measles,Mumps and Rubella Vaccine Live attenuated	
			2-dose	Measles,Mumps and Rubella Vaccine Live attenuated	
			5-dose	Measles,Mumps and Rubella Vaccine Live attenuated	
			10-dose	Measles,Mumps and Rubella Vaccine Live attenuated	
MMRV	No	Bio-Manguinhos/Fiocruz	1-dose	Tetravalente Viral	
		GlaxoSmithKline Biologicals SA	1-dose	Priorix-Tetra	
		Merck Vaccines	1-dose	ProQuad	
mOPV1	Yes	GlaxoSmithKline Biologicals SA	10-dose	Polio Sabin Mono T1	
			20-dose	Polio Sabin Mono T1	
		Haffkine Bio Pharmaceutical Corporation Ltd	20-dose	Monovalent type 1 Oral Poliomyelitis vaccine, IP (mOPV1)	
		PT Bio Farma (Persero)	20-dose	Monovalent Oral Poliomyelitis Vaccine Type 1 (mOPV1)	
		Sanofi Pasteur	20-dose	ORAL MONOVALENT TYPE 1 POLIOMYELITIS VACCINE	
mOPV2	Yes	GlaxoSmithKline Biologicals SA	10-dose	Polio Sabin Mono Two (oral)	
			20-dose	Polio Sabin Mono Two (oral)	
		PT Bio Farma (Persero)	20-dose	Monovalent Oral Poliomyelitis Vaccine Type 2	
		Sanofi Pasteur	20-dose	ORAL MONOVALENT TYPE 2 POLIOMYELITIS VACCINE (mOPV2)	
mOPV3	No	Sanofi Pasteur	10-dose	ORAL MONOVALENT TYPE 3 POLIOMYELITIS VACCINE	
	Yes	GlaxoSmithKline Biologicals SA	10-dose	Polio Sabin Mono Three (oral)	
			20-dose	Polio Sabin Mono Three (oral)	
		Sanofi Pasteur	20-dose	ORAL MONOVALENT TYPE 3 POLIOMYELITIS VACCINE	
MR	No	Beijing Institute of Biological Products Co., Ltd. (CNBG Subsidiary)	1-dose	Measles and Rubella Combines Vaccine, Live	
		Beijing Minhai Biotec Group	1-dose	Measles and Rubella Combined Vaccine ,Live	
		Daiichi Sankyo	Unknown	freeze-dried attenuated measles, rubella combined vaccine "DAIICHI SANKYO"	
		Imunoloski zavod Zagreb	1-dose	Unknown	
		Incepta Vaccine	1-dose	Rubavax-MTM	
		Microgen	1-dose	Vaccine measles-mumps culture alive	
		Mitsubishi Tanabe Pharma	Unknown	Mearubik	
		POLYVAC	10-dose	MRVAC	
		Razi Vaccine & Serum Research Institute	10-dose	MR	

MR	No	Takeda	1-dose	FREEZE-DRIED LIVE ATTENUATED MEASLES AND RUBELLA COMBINED VACCINE » TAKEDA «
	Yes	Biological E. Limited	1-dose	MR
			5-dose	MR
			10-dose	Measles and Rubella Vaccine (Live) (Attenuated, Freeze Dried)
		Serum Institute of India Pvt. Ltd.	1-dose	Measles and Rubella Vaccine, Live, Attenuated
			2-dose	Measles and Rubella
			5-dose	Measles and Rubella Vaccine, Live, Attenuated
			10-dose	Measles and Rubella Virus Vaccine Live
Mumps	No	Microgen	1-dose	Live tissue culture mumps vaccine
OCV	No	PaxVax	1-dose	Vaxchora
		VABIOTECH	5-dose	mORC-VaxT. 7.5mL
	Yes	EuBiologics Co., Ltd.	1-dose	Euvichol Euvichol-plus
		Sanofi Healthcare India Private Limited (India)	1-dose	Shanchol
		Valneva	1-dose	Dukoral
PCV10	No	Bio-Manguinhos/Fiocruz	1-dose	Vacina pneumocócica 10-valente
	Yes	GlaxoSmithKline Biologicals SA	1-dose	Synflorix
			2-dose	Synflorix
			4-dose	Synflorix
		Serum Institute of India Pvt. Ltd.	1-dose	PNEUMOSIL
			5-dose	PNEUMOSIL
PCV13	No	BioVac	1-dose	Prevenar 13
		Sinergium Biotech	1-dose	Prevenar 13
	Yes	Pfizer	1-dose	Prevenar 13
			4-dose	Prevenar 13
PPSV23	No	SK Bioscience Co., Ltd.	Unknown	Prodiar23
		Beijing Minhai Biotec Group	Unknown	Pneumococal
		Chengdu Institute of Biological Products Co.,Ltd	Unknown	Pneumococal
		Chongqing Zhifei	Unknown	PNEUMOVAX 23
		Merck Vaccines	1-dose	Pneumovax 23
		Walvax	1-dose	23-valent Pneumococcal Polysaccharide Vaccine
Rabies	No	Bharat Biotech International Limited	1-dose	Indirab

Rabies	No	Butantan	1-dose	inactivated rabies vaccine (VR/VERO)
		Changchun Changsheng	1-dose	Lyophilized Human Rabies
		Chengdu Kanghua	1-dose	Rabies Vaccine (human diploid cell) for Human Use, freeze-dried - HDCV
		Chumakov Federal Scientific Center	1-dose	Rabies Vaccine
			5-dose	Rabies Vaccine
		GlaxoSmithKline Biologicals SA	1-dose	Rabipur
		GPO-MBP Co., Ltd.	1-dose	Vero rabies vaccine
		Liaoning Chengda Biotechnology	1-dose	Inactivated rabies vaccine
		Microgen	1-dose	Inactivated concentrated tissue culture purified rabies vaccine
		Thai Red Cross	1-dose	Unknown
		Vacsera	1-dose	Rabies vaccine
	Yes	Cadila Health Care LTD	1-dose	VaxiRab N
		Chiron Behring Vaccines Private Ltd.	1-dose	Rabipur
		Sanofi Pasteur	1-dose	VERORAB
		Serum Institute of India Pvt. Ltd.	1-dose	Rabies Vaccine Inactivated (Freeze Dried) (RABIVAX-5)
Rota	No	Bio-Manguinhos/Fiocruz	1-dose	Human rotavirus
	Yes	Bharat Biotech International Limited	5-dose	Rotavac
			10-dose	Rotavac
		GlaxoSmithKline Biologicals SA	1-dose	Rotarix
			5-dose	Rotarix
		Merck Vaccines	1-dose	Rotateq
		Serum Institute of India Pvt. Ltd.	1-dose	ROTASIIL
				ROTASIIL Thermo
			2-dose	ROTASIIL
				ROTASIIL Thermo
RTS,S	No	GlaxoSmithKline Biologicals SA	2-dose	Mosquitox
Rubella	No	Imunoloski zavod Zagreb	1-dose	Cjepivo protiv rubele
		Microgen	1-dose	Rubella vaccine
		Razi Vaccine & Serum Research Institute	1-dose	Rubella
	Yes	Serum Institute of India Pvt. Ltd.	1-dose	Rubella Vaccine ,Live,attenuated
			2-dose	Rubella Vaccine ,Live,attenuated
			5-dose	Rubella Vaccine ,Live,attenuated

Rubella	Yes	Serum Institute of India Pvt. Ltd.	10-dose	Rubella Vaccine ,Live,attenuated	
Seasonal Influenza - QIV (ped.)	No	Abbott Biologicals BV	1-dose	Influvac Tetra	
		AstraZeneca	1-dose	FluMist	
		GlaxoSmithKline Biologicals SA	1-dose	Fluarix Quadrivalent	
				FluLaval Quadrivalent	
			10-dose	FluLaval Quadrivalent	
		Seqirus Limited	1-dose	Afluria Quadrivalent	
				Flucelvax	
	Yes	Green Cross Corporation	1-dose	GC FLU Multi inj.	
			10-dose	GC FLU Multi inj.	
		Sanofi Pasteur	1-dose	Flubok	
				Fluzone Quadrivalent	
			10-dose	Fluzone Quadrivalent	
		Seqirus Limited	10-dose	Afluria Quadrivalent	
Seasonal Influenza - TIV (ped.)	No	Green Cross Corporation	20-dose	GC FLU Multi inj.	
		Microgen	1-dose	Grippol	
		Petrovax	1-dose	Grippol Plus	
		Sanofi Pasteur	20-dose	Fluzone	
		Seqirus Limited	1-dose	Agriflu	
			Fluad		
			Fluvirin		
	Yes	Abbott Biologicals BV	1-dose	Serinflu	
		Green Cross Corporation	1-dose	GC FLU Multi inj.	
			10-dose	GC FLU Multi inj.	
		Sanofi Pasteur	1-dose	Fluzone	
			10-dose	Fluzone	
				Vaxigrip	
		Seqirus Limited	1-dose	Afluria	
			10-dose	Agriflu	
				Fluvirin	
		Seasonal Influenza (adult) - QIV	No	SK Bioscience Co., Ltd.	1-dose
Abbott Biologicals BV				1-dose	Influvac Tetra

Seasonal Influenza (adult) - QIV	No	AstraZeneca	1-dose	FluMist
		Boryung	1-dose	Fluvaccine V/VIII-TF Inj.(Prefilled)
		Changchun Changsheng	1-dose	Quadrivalent vaccine
		GlaxoSmithKline Biologicals SA	1-dose	Fluarix Quadrivalent
				FluLaval Quadrivalent
			10-dose	FluLaval Quadrivalent
	Yes	Green Cross Corporation	1-dose	GC FLU Multi inj.
			10-dose	GC FLU Multi inj.
		Sanofi Pasteur	1-dose	Flubok
				Fluzone Quadrivalent
			10-dose	Fluzone Quadrivalent
		Seqirus Limited	10-dose	Afluria Quadrivalent
Seasonal Influenza (adult) - TIV	No	Boryung	1-dose	V/VIII Tetra Vaccine Inj.(PFS)
		Green Cross Corporation	20-dose	GC FLU Multi inj.
		Korea Vaccine	1-dose	Kovax Inlu Tetra
		Microgen	1-dose	Grippol
		Petrovax	1-dose	Grippol Plus
		Sanofi Pasteur	20-dose	Fluzone
		Seqirus Limited	1-dose	Agriflu
				Fluad
				Fluvirin
	Yes	Sinergium Biotech	1-dose	Viraflu (adult) TIV
		Abbott Biologicals BV	1-dose	Serinflu
		Green Cross Corporation	1-dose	GC FLU Multi inj.
			10-dose	GC FLU Multi inj.
		Hualan Biological Bacterin Co., Ltd	1-dose	Influenza Vaccine (Split virion, inactivated)
		IL-YANG PHARMACEUTICAL CO., LTD.	1-dose	IL-YANG FLU Vaccine INJ
		Sanofi Pasteur	1-dose	Fluzone
			10-dose	Fluzone
				Vaxigrip

Seasonal Influenza (adult) - TIV	Yes	Seqirus Limited	1-dose	Afluria
			10-dose	Agriflu
				Fluvirin
Seasonal Influenza (ped.) - QIV	No	SK Bioscience Co., Ltd.	1-dose	SKY Cellflu
Seasonal Influenza (ped.) - TIV	No	Sinergium Biotech	1-dose	Virafu (ped) TIV
Shingles	No	GlaxoSmithKline Biologicals SA	1-dose	Shingrix
		Merck Vaccines	1-dose	Zostavax
TBE (adult)	No	Bavarian Nordic	1-dose	Encepur
		Chumakov Federal Scientific Center	1-dose	Unknown
		Microgen	1-dose	EnceVir
			10-dose	EnceVir
		Pfizer	1-dose	TicoVac (0.5ml) (ex-Baxter product)
TBE (ped.)	No	Bavarian Nordic	1-dose	Encepur
		Chumakov Federal Scientific Center	1-dose	TBE-Moscow
		Microgen	1-dose	EnceVir
		Pfizer	1-dose	Ticovac Junior (0.25ml) (ex-Baxter product)
TCV	Yes	Bharat Biotech International Limited	1-dose	Typbar-TCV
			5-dose	Typbar TCV
Td	No	SK Bioscience Co., Ltd.	1-dose	SK Td vaccine inj.
		AJ Vaccines A/S	1-dose	diTeBooster (0.5 ml)
				diTeBooster (0.5 ml) (former SSI - Statens Serum Institut)
		BIRMEX	10-dose	Td vaccine Adult
		Boryung	10-dose	tetanus-diphtheria toxoid BR-TD-1001
		Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	1-dose	Tetadif
		Butantan	10-dose	diphtheria and adult tetanus (dT) vaccine adsorbed?
		Finlay Institute	10-dose	diTe-Vax
		GlaxoSmithKline Biologicals SA	1-dose	Td Pur (ex-Novartis product)
		IBSS Biomed	1-dose	Clodivac
		Imunoloski zavod Zagreb	10-dose	Cjepivo protiv difterije i tetanusa sa smanjenim sadržajem antigena
		Institute of Vaccines and Medical Biologicals, Vietnam	10-dose	Td vaccine
		Instituto Biologico Argentino SAIC	1-dose	VACUNA DOBLE ADULTOS BIOL (dT _a)
		Intervax	1-dose	Td

Td	No	Intervax	10-dose	Td
			20-dose	TETADIF TETANUS AND DIPHTHERIA VACCINE (ADSORBED) (For Adult)
		MassBiologics	1-dose	TDVAX
		Microgen	1-dose	DIPHTHERIA AND TETANUS ANATOXIN (TOXOID), REDUCED ANTIGEN CONTENT
			2-dose	DIPHTHERIA AND TETANUS ANATOXIN (TOXOID), REDUCED ANTIGEN CONTENT
			20-dose	DIPHTHERIA AND TETANUS ANATOXIN (TOXOID), REDUCED ANTIGEN CONTENT
		Razi Vaccine & Serum Research Institute	10-dose	Td vaccine
		Sanofi Pasteur	1-dose	IMOVAX dT adult
		Torlak	10-dose	Ditevaksal-T (Td)
		Vacsera	10-dose	DIVAC adult vaccine
	Yes	Biological E. Limited	1-dose	BE Td
			10-dose	BE Td
			20-dose	BE Td
		Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	10-dose	Tetadif
			20-dose	TETADIF (Td) vaccine
		PT Bio Farma (Persero)	10-dose	Bio Td
		Sanofi Pasteur	10-dose	IMOVAX dT adult
		Serum Institute of India Pvt. Ltd.	1-dose	Diphtheria and Tetanus Vaccine Adsorbed for Adults and Adolescents
			10-dose	Diphtheria and Tetanus Vaccine Adsorbed for Adultsand Adolescents
			20-dose	Diphtheria and Tetanus Vaccine Adsorbed for Adultsand Adolescents
Td-IPV	No	Bilthoven Biologicals	1-dose	DTP Vaccin
			5-dose	DTP Vaccin
		Sanofi Pasteur	1-dose	Dultavax, Revaxis
TdaP	No	AJ Vaccines A/S	1-dose	TdaP booster vaccine AJV
		BioNet- Asia	1-dose	Boostagen®
		Butantan	1-dose	Tdap, in partnership with GSK
	Yes	GlaxoSmithKline Biologicals SA	1-dose	Boostrix
		Sanofi Pasteur	1-dose	Adacel
TdaP-IPV	No	AJ Vaccines A/S	1-dose	TdaP-IPV
		GlaxoSmithKline Biologicals SA	1-dose	Kinrix
		Sanofi Pasteur	1-dose	Adacel-Polio
tOPV	No	Chumakov Federal Scientific Center	10-dose	Oral Poliovirus Vaccine, type 1,2,3

TT	No	Torlak	10-dose	Tetavaksal-T
		Wuhan Institute of Biological Products Co.,Ltd (CNBG Subsidiary)	Unknown	Unknown
	Yes	Biological E. Limited	1-dose	BEtt
			10-dose	BEtt
			20-dose	BEtt
		Bul Bio - National Center of Infectious and Parasitic Diseases Ltd.	10-dose	Tetatox
			20-dose	Unknown
		PT Bio Farma (Persero)	1-dose	TT vaccine
			10-dose	TT vaccine
			20-dose	TT vaccine
		Sanofi Healthcare India Private Limited (India)	10-dose	ShanTT
		Sanofi Pasteur	10-dose	TETAVAX
			20-dose	TETAVAX
		Serum Institute of India Pvt. Ltd.	1-dose	Tetanus Toxoid Vaccine Adsorbed
			10-dose	Tetanus Toxoid Vaccine Adsorbed
			20-dose	Tetanus Toxoid Vaccine Adsorbed
Tularemia	No	Microgen	1-dose	Tularemia - F. tularensis 15 NIEG attenuated (lyophilized) LTV (exist for 15-60 doses)
Typhoid Ps	No	Boryung	1-dose	Zerotyph Cap.
		Chumakov Federal Scientific Center	1-dose	Vianvac
		DAVAC	20-dose	TyViVac - Vi Polysaccharide
		GlaxoSmithKline Biologicals SA	1-dose	Typherix
		IBSS Biomed	20-dose	Ty -typhoid vaccine
		Microgen	1-dose	Unknown
		PaxVax	1-dose	Vivotif (ex-Crucell vaccine)
			4-dose	Vivotif (ex-Crucell vaccine)
		Sanofi Pasteur	1-dose	Typhym-Vi
	Yes	Sanofi Pasteur	20-dose	Typhym-Vi
Typhoid-Tetanus	No	IBSS Biomed	20-dose	TyT Typhoid and tetanus vaccine
Varicella	No	Changchun Keygen Biological Products Co.,Ltd (CNBG Subsidiary)	1-dose	Varicella Vaccine: Live
		GlaxoSmithKline Biologicals SA	1-dose	Varilrix
		Green Cross Corporation	1-dose	Varicella Vaccine-GCC inj.
		Sinergium Biotech	1-dose	Varicella vaccine

Varicella	Yes	SK Bioscience Co., Ltd.	1-dose	SKY Varicella Inj.	
		Merck Vaccines	1-dose	Varivax	
YF	No	Institut Pasteur de Dakar	1-dose	Unknown	
		Microgen	2-dose	Unknown	
		Sanofi Pasteur	1-dose	Stamaril	
		Serum Institute of India Pvt. Ltd.	10-dose	Unknown	
	Yes	Bio-Manguinhos/Fiocruz	5-dose	Yellow Fever	
			10-dose	Yellow Fever	
			50-dose	Yellow Fever	
		Chumakov Federal Scientific Center	2-dose	YELLOW FEVER VACCINE LIVE FREEZE-DRIED	
			5-dose	YELLOW FEVER VACCINE LIVE FREEZE-DRIED	
			10-dose	YELLOW FEVER VACCINE LIVE FREEZE-DRIED	
		Institut Pasteur de Dakar	5-dose	Stabilized Yellow Fever Vaccine	
			10-dose	Stabilized Yellow Fever Vaccine	
			20-dose	Stabilized Yellow Fever Vaccine	
		Sanofi Pasteur	10-dose	Stamaril	

B. UNICEF Vaccine Prices

UNICEF publishes historic, current and future awarded prices for vaccines, following consultations with vaccine suppliers to UNICEF on making pricing information more transparent.

Vaccine Price Data including historical procurement data are available at: <https://www.unicef.org/supply/pricing-data>

Vaccine market notes are available at: <https://www.unicef.org/supply/market-notes-and-updates>

C. PAHO Revolving Fund (RF) Public Weighted Average Price

PAHO RF's vaccine weighted average prices for current and previous years are available at:

https://www.paho.org/hq/index.php?option=com_content&view=article&id=1864:paho-revolving-fund&Itemid=4135&lang=en

Vaccine	Vial Size	Comments	2019	2020
BCG	10-dose		\$0.22	\$0.23
bOPV	10-dose		\$0.17	\$0.17
	20-dose		\$0.13	\$0.13
DT	10-dose		\$0.16	\$0.16
DTaP	1-dose		\$15.00	\$16.20
DTaP-HepB-Hib-IPV	1-dose		\$21.12	\$21.12
DTaP-Hib-IPV	1-dose		\$14.80	\$15.84
DTaP-IPV	1-dose		\$12.00	\$12.84
DTwP	10-dose		\$0.18	\$0.18
DTwP-HepB-Hib	1-dose		\$1.09	\$1.01
DTwP-Hib	1-dose		\$2.65	\$3.00
HepA (adult)	1-dose		\$13.28	\$13.63
HepA (ped.)	1-dose		\$8.14	\$8.17
HepB (adult)	1-dose		\$0.33	\$0.74
	10-dose		\$0.24	\$0.27
HepB (ped.)	1-dose		\$0.22	\$0.53
Hib	1-dose		\$2.05	\$2.15
HPV4	1-dose			\$9.98
IPV	1-dose		\$5.50	
	5-dose		\$3.10	\$3.10
MenACYW conj.	1-dose		\$20.30	\$20.30
MMR	1-dose			\$2.75-\$5.59
		Jeryl-Lynn	\$5.59	
		Zagreb	\$2.75	
	5-dose			\$1.43
		Zagreb	\$1.43	
MR	1-dose		\$2.48	\$2.48
	10-dose		\$0.66	\$0.66
OCV	1-dose		\$1.70	\$1.70
PCV10	1-dose		\$12.85	\$12.85
PCV13	1-dose		\$14.50	\$14.50
PPSV23	1-dose		\$8.30	\$8.63
Rabies	1-dose		\$9.00-\$13.00	\$9.93
Rota	1-dose		\$6.50	\$6.50
Seasonal Influenza - TIV	20-dose	Trivalent, France Origin	\$1.33	\$1.33
		Trivalent, Korea Origin	\$1.10	\$1.20
Seasonal Influenza (adult) - QIV	1-dose	Quadrivalent, France Origin	\$6.00	
		Quadrivalent, Korea Origin	\$5.40	
	10-dose	Quadrivalent, France Origin	\$5.14	
		Quadrivalent, Korea Origin	\$4.40	
Seasonal Influenza (adult) - TIV	1-dose	Trivalent, France Origin	\$4.50	\$3.20
		Trivalent, Korea Origin	\$3.29	\$3.24-\$5.20
	10-dose	Trivalent, France Origin	\$2.65-\$3.59	\$2.65-\$5.14
		Trivalent, Korea Origin	\$2.19-\$2.44	\$2.39-\$4.40
Td	10-dose		\$0.10	\$0.10
Tdap	1-dose		\$12.72	\$12.94
Typhoid Ps	20-dose		\$10.00	\$10.00
Varicella	1-dose		\$16.59	\$15.85
YF	5-dose			\$1.28
	10-dose		\$1.43	\$1.43

D. Country-reported Prices

Notes:

Excludes purchases made via UNICEF SD or PAHO RF as countries paid the prices listed in sections B and C.

Only shows 2019 purchases where price was reported.

Excludes vaccines that had purchases reported by fewer than 4 countries.

Commercial name is a field derived based on the product information reported by countries. The purpose of this field is to provide additional detail on the product purchased and may not match the brand name of the product in the purchasing country as brand names for the same product may vary between countries.

Vaccine	Vial Size	Extended Manufacturer Name	Procurement Mechanism	Commercial Name	Region	Country Alias	
BCG	5-dose	Chengdu Institute of Biological Products Co.,Ltd	Self-procurement	BCG Vaccine for Intradermal Injection - 0.25mg	WPRO	UMIC2065	\$0.22
		Shanghai Institute of Biological Products (CNBG Subsidiary)	Self-procurement	BCG Vaccine for Intradermal Injection	WPRO	UMIC2065	\$0.22
	10-dose	AJ Vaccines A/S	Other	BCG vaccine (former SSI - Statens Serum Institut)	EURO	HIC2158	\$27.96
			Self-procurement	BCG vaccine (former SSI - Statens Serum Institut)	WPRO	HIC2051	\$6.58
		Biomed Lublin	Other	Antitubercle vaccine (Szczepionka przeciwgruźlicza)	EURO	HIC2077	\$0.96
			Self-procurement	Antitubercle vaccine (Szczepionka przeciwgruźlicza)	EURO	HIC2167	\$2.07
						HIC2193	\$0.91
		Bul Bio - NCIPD	Self-procurement	BCG Vaccine	EURO	UMIC2057	\$0.09
		GreenSignal Bio Pharma Limited	Self-procurement	BCG vaccine 10 (Freeze Dried)	SEARO	LMIC2076	\$0.07
		Institute of Vaccines and Medical Biologicals, Vietnam	Self-procurement	Freeze dried BCG vaccine	WPRO	LMIC2050	\$0.06
		Japan BCG Laboratory	Self-procurement	BCG Freeze Dried Glutamate vaccine	WPRO	HIC2029	\$8.79
		Microgen	Other	BCG. One dose contains 0.05mg of BCG cells in 0.1 ml of solvent	EURO	UMIC2095	\$0.09
		Serum Institute of India	Other	BCG Vaccine	AMRO	UMIC2184	\$0.14
			Self-procurement	BCG Vaccine	EURO	HIC2027	\$1.23
		Thai Red Cross	Other	Freeze dried BCG vaccine 0.1 mL	SEARO	UMIC2128	\$5.20
	20-dose	AJ Vaccines A/S	Self-procurement	BCG vaccine (former SSI - Statens Serum Institut)	AFRO	UMIC2122	\$0.17
					EURO	HIC2053	\$0.85

BCG	20-dose	AJ Vaccines A/S	Self-procurement	BCG vaccine (former SSI - Statens Serum Institut)	WPRO	HIC2156	\$1.10
		Bul Bio - NCIPD	Self-procurement	BCG Vaccine	EURO	UMIC2143	\$1.95
						HIC2071	\$0.90
		GreenSignal Bio Pharma Limited	Self-procurement	BCG vaccine (Freeze Dried) - Intradermal	EMRO	LMIC2015	\$0.19
					SEARO	LIC2087	\$0.08
		Institut Pasteur de Tunis	Self-procurement	BCG vaccine, freeze-dried - Pasteur 1173 P2 strain	EMRO	LMIC2052	\$0.16
		Institut Pasteur Iran	Self-procurement	Lyophilized B.C.G vaccine	EMRO	UMIC2094	\$0.27
		Japan BCG Laboratory	Self-procurement	BCG Freeze Dried Glutamate vaccine	EMRO	HIC2173	\$0.25
					EURO	UMIC2090	\$0.25
					WPRO	UMIC2180	\$0.31
		Microgen	Self-procurement	BCG. One dose contains 0.05mg of BCG cells in 0.1 ml of solvent	EURO	UMIC2033	\$0.06
		PT Bio Farma (Persero)	Self-procurement	BCG Vaccine (Freeze Dried)	SEARO	LMIC2163	\$0.23
		Serum Institute of India	Self-procurement	BCG Vaccine	AFRO	HIC2097	\$2.95
						UMIC2068	\$0.29
					EMRO	UMIC2136	\$0.55
						HIC2070	\$0.43
						HIC2118	\$0.20
					SEARO	LMIC2063	\$0.15
		Torlak	Self-procurement	BCG Vaccine	EURO	UMIC2166	\$0.50
	Not reported	Serum Institute of India	Self-procurement	Unknown	AFRO	LIC2080	\$0.13
						UMIC2195	\$0.28
					EMRO	HIC2172	\$17.45

bOPV	10-dose	Beijing Institute of Biological Products (CNBG Subsidiary)	Self-procurement	Poliomyelitis Vaccine (live, oral attenuated, human Diploid Cell), type 1 and 3	WPRO	UMIC2065	\$3.94
		Chumakov Federal Scientific Center	Other	Unknown	EURO	UMIC2095	\$0.12
		GlaxoSmithKline Biologicals SA	Self-procurement	Polio Sabin One and Three	EMRO	UMIC2136	\$0.21
		PT Bio Farma (Persero)	Self-procurement	Bivalent Oral Poliomyelitis Vaccine Type 1&3 (bOPV 1&3)	SEARO	LIC2087	\$0.18
						LMIC2163	\$0.15
	15-dose	Sanofi Pasteur	Self-procurement	Unknown	EMRO	UMIC2056	\$0.22
		Razi Vaccine & Serum Research Institute	Self-procurement	bOPV vaccine	EMRO	UMIC2094	\$0.09
	20-dose	Bharat Biotech International Limited	Self-procurement	BIOPOLIO B1/3	SEARO	LMIC2076	\$0.08
		BIRMEX	Other	Vacuna Antipoliomielítica Bivalente Oral	AMRO	UMIC2140	\$3.84
		Haffkine Bio Pharmaceutical Corporation Ltd	Self-procurement	Bivalent type 1&3 Oral Poliomyelitis vaccine, IP (bOPV1&3)	SEARO	LMIC2076	\$0.08
		POLYVAC	Self-procurement	bivalent Oral Polio Vaccine 2mL	WPRO	LMIC2050	\$0.08
		PT Bio Farma (Persero)	Other	Bivalent Oral Poliomyelitis Vaccine Type 1&3 (bOPV 1&3)	SEARO	UMIC2128	\$4.75
			Self-procurement	Bivalent Oral Poliomyelitis Vaccine Type 1&3 (bOPV 1&3)	EMRO	LMIC2015	\$0.22
					SEARO	UMIC2128	\$0.22
		Sanofi Pasteur	Self-procurement	Polio Vaccine - Oral (OPV) Bivalent Types 1 and 3	AFRO	UMIC2122	\$0.22
					EMRO	LMIC2015	\$0.22
						HIC2173	\$0.20
						HIC2070	\$0.27
						HIC2118	\$1.01
						HIC2172	\$5.40
					EURO	UMIC2090	\$0.16
						UMIC2166	\$1.70

bOPV	20-dose	Sanofi Pasteur	Self-procurement	Polio Vaccine - Oral (OPV) Bivalent Types 1 and 3	SEARO	LMIC2063	\$0.19
		Serum Institute of India	Self-procurement	Poliomyelitis Vaccine (oral) Bivalent types 1 and 3	AFRO	HIC2097	\$2.60
						UMIC2068	\$0.21
					EMRO	LMIC2052	\$0.23
	25-dose	Bio-Manguinhos/Fiocruz	Other	Vacina Poliomielite 1.3	AMRO	UMIC2074	\$0.28
	Not reported	Bio-Med	Self-procurement	Unknown	AFRO	LIC2080	\$0.13
DT	1-dose	Sanofi Pasteur	Self-procurement	DT VAX	EURO	HIC2027	\$4.55
	2-dose	Microgen	Other	DIPHTHERIA AND TETANUS ANATOXIN (TOXOID)	EURO	UMIC2095	\$0.10
			Self-procurement	DIPHTHERIA AND TETANUS ANATOXIN (TOXOID)	EURO	UMIC2033	\$0.17
	4-dose	Wuhan Institute of Biological Products (CNBG Subsidiary)	Self-procurement	Diphtheria and Tetanus Combined Vaccine, Adsorbed	WPRO	UMIC2065	\$0.19
	10-dose	Arabio	Self-procurement	Diphtheria Toxoid (Child & adult)	EMRO	HIC2070	\$0.81
		PT Bio Farma (Persero)	Self-procurement	Adsorbed DT Vaccine	EMRO	LMIC2015	\$0.36
						HIC2173	\$2.35
					SEARO	LMIC2163	\$0.13
		Serum Institute of India	Other	Diphtheria and Tetanus Vaccine Adsorbed (Ped)	SEARO	UMIC2128	\$1.49
			Self-procurement	Diphtheria and Tetanus Vaccine Adsorbed (Ped)	AFRO	UMIC2068	\$1.71
					EMRO	LMIC2052	\$0.26
						HIC2118	\$0.56
					SEARO	LMIC2063	\$0.37
					WPRO	UMIC2180	\$0.33
		Torlak	Self-procurement	Ditevaksal-T (DT)	EURO	UMIC2166	\$0.85
	14-dose	Razi Vaccine & Serum Research Institute	Self-procurement	DT vaccine	EMRO	UMIC2094	\$0.09

DTaP	1-dose	Boryung	Self-procurement	Boryung Purified PDT Vaccine	WPRO	HIC2156	\$7.55
		Chengdu Institute of Biological Products Co.,Ltd	Self-procurement	Diphtheria, Tetanus and Acellular Pertussis Combined Vaccine, Adsorbed	WPRO	UMIC2065	\$0.49
		GlaxoSmithKline Biologicals SA	Other	Infanrix	EURO	UMIC2033	\$15.64
						HIC2158	\$14.78
			Self-procurement	Infanrix	AMRO	HIC2064	\$18.43
					EURO	UMIC2090	\$14.72
						UMIC2033	\$14.27
						HIC2071	\$16.26
		Sanofi Pasteur	Other	Daptacel	WPRO	HIC2115	\$18.67
			Self-procurement	Daptacel	AMRO	HIC2064	\$17.84
		Wuhan Institute of Biological Products (CNBG Subsidiary)	Self-procurement	Diphtheria, Tetanus and Acellular Pertussis Combined Vaccine, Adsorbed	WPRO	UMIC2065	\$0.49
DTaP-HepB-Hib-IPV	1-dose	GlaxoSmithKline Biologicals SA	Other	Infanrix hexa	EURO	UMIC2033	\$29.44
						HIC2158	\$43.50
			Self-procurement	Infanrix hexa	EMRO	UMIC2136	\$21.19
					EURO	UMIC2033	\$28.00
						UMIC2057	\$30.21
						UMIC2143	\$27.14
					HIC2077		\$42.48
						HIC2045	\$47.99
						HIC2071	\$43.19
						HIC2019	\$43.06
					WPRO	UMIC2134	\$0.35

DTaP-HepB-Hib-IPV	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Infanrix hexa	WPRO	HIC2029	\$31.35				
						HIC2051	\$85.62				
						Unknown	EURO	HIC2174	\$35.79		
		Sanofi Pasteur	Other	Hexaxim (2 component pertussis) or Vaxelis (5 component pertussis, Merck/Sanofi Pasteur)	EURO	HIC2158	\$43.41				
						Self-procurement	Hexaxim (2 component pertussis)	EURO	UMIC2033	\$23.49	
											Hexaxim (2 component pertussis) or Vaxelis (5 component pertussis, Merck/Sanofi Pasteur)
						AMRO	HIC2058	\$18.58			
						EMRO	HIC2173	\$23.80			
							HIC2070	\$21.06			
							HIC2118	\$21.00			
							HIC2172	\$21.00			
						EURO	UMIC2090	\$23.55			
							LMIC2127	\$18.17			
							UMIC2143	\$24.84			
							HIC2193	\$31.22			
							HIC2077	\$24.03			
							HIC2045	\$47.99			
HIC2071	\$25.24										
10-dose	Sanofi Pasteur	Other	Unknown	AMRO	UMIC2140	\$11.91					
DTaP-HepB-IPV	1-dose	GlaxoSmithKline Biologicals SA	Other	Infanrix Penta	WPRO	HIC2115	\$59.05				
						Self-procurement	Infanrix Penta	AMRO	HIC2064	\$58.51	
									EMRO	HIC2070	\$6.47

DTaP-HepB-IPV	1-dose	Sanofi Pasteur	Other	Unknown	EURO	HIC2158	\$20.69
DTaP-Hib-IPV	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Infanrix-IPV/Hib	EURO	UMIC2057	\$23.89
					WPRO	HIC2156	\$27.39
		Sanofi Pasteur	Other	Pentaxim, Pentavac (2 component pertussis), Pentacel (5 component) or Pediacel (5 component)	EURO	UMIC2095	\$17.22
					AMRO	HIC2064	\$58.88
			Self-procurement	Pentaxim, Pentavac (2 component pertussis), Pentacel (5 component) or Pediacel (5 component)	EMRO	HIC2172	\$15.00
					EURO	UMIC2090	\$15.83
						HIC2053	\$28.80
						HIC2167	\$20.44
						HIC2030	\$23.03
						HIC2193	\$29.08
						UMIC2166	\$20.87
						HIC2077	\$13.98
						HIC2103	\$19.97
						HIC2071	\$20.25
					WPRO	UMIC2180	\$12.57
						HIC2156	\$27.39
DTaP-IPV	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Kinrix (for use in children age 4-6 yrs old only)	AMRO	HIC2064	\$40.94
					EURO	HIC2045	\$19.46
					WPRO	HIC2029	\$18.38
		Sanofi Pasteur	Other	Tetravac (2 component pertussis), Tetraxim (2 component) or Quadracel (5 component)	EURO	HIC2158	\$16.78
					AMRO	HIC2064	\$40.12
			Self-procurement	Tetravac (2 component pertussis), Tetraxim (2 component) or			

DTaP-IPV	1-dose	Sanofi Pasteur	Self-procurement	Tetravac (2 component pertussis), Tetraxim (2 component) or Quadracel (5 component)	EMRO	HIC2070	\$15.49
						HIC2172	\$14.00
					EURO	UMIC2033	\$15.55
						UMIC2057	\$19.97
						UMIC2143	\$15.49
						HIC2167	\$15.45
						HIC2193	\$24.61
						HIC2027	\$15.50
						HIC2019	\$20.13
					WPRO	HIC2156	\$19.60
	10-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	WPRO	HIC2051	\$26.35
DTwP	2-dose	Microgen	Other	DTP-vaccine	EURO	UMIC2095	\$0.16
			Self-procurement	DTP-vaccine	EURO	UMIC2033	\$0.18
	10-dose	Biological E. Limited	Self-procurement	TRIPVAC	SEARO	LMIC2076	\$0.11
		Institut Pasteur Iran	Self-procurement	Unknown	EMRO	UMIC2094	\$0.14
		Serum Institute of India	Other	Diphtheria-Tetanus-Pertussis Vaccine Adsorbed	SEARO	UMIC2128	\$2.57
			Self-procurement	Diphtheria-Tetanus-Pertussis Vaccine Adsorbed	AFRO	HIC2097	\$2.95
					EMRO	LMIC2052	\$0.20
						LMIC2015	\$0.33
						HIC2173	\$3.82
						UMIC2136	\$0.71
						HIC2118	\$0.72

DTwP-HepB-Hib	10-dose	Serum Institute of India	Self-procurement	Diphtheria, Tetanus, Pertussis, Hepatitis B and Haemophilus influenzae type b Conjugate Vaccine Adsorbed	SEARO	LMIC2076	\$0.28
HepA	1-dose	Butantan	Other	Vacina adsorvida hepatite A (inativada)	AMRO	UMIC2074	\$8.77
				Freeze-dried Live Attenuated Hepatitis A Vaccine	WPRO	UMIC2065	\$2.82
		GlaxoSmithKline Biologicals SA	Other	Havrix 720 Junior	EURO	HIC2158	\$13.01
				Havrix 1440 Adult	EURO	HIC2158	\$19.91
		Self-procurement		Havrix 720 Junior	AMRO	HIC2064	\$19.89
					EURO	HIC2077	\$17.23
						HIC2019	\$20.83
					WPRO	HIC2156	\$9.88
						HIC2029	\$20.51
						HIC2051	\$23.05
				Havrix 1440 Adult	AMRO	HIC2064	\$29.52
					EMRO	HIC2070	\$16.04
					EURO	UMIC2033	\$15.70
						HIC2027	\$32.66
						HIC2077	\$19.90
						HIC2071	\$31.31
						HIC2019	\$28.14
					WPRO	HIC2051	\$42.02
		Merck Vaccines	Self-procurement	VAQTA, Hepatitis A Vaccine Inactivated - 0.5mL	AMRO	HIC2058	\$8.25
						HIC2064	\$19.41
					EMRO	HIC2070	\$12.03

HepA	1-dose	Merck Vaccines	Self-procurement	VAQTA, Hepatitis A Vaccine Inactivated - 0.5mL	WPRO	HIC2156	\$9.88
				VAQTA, Hepatitis A Vaccine Inactivated - 1mL	AMRO	HIC2064	\$29.02
					EURO	HIC2027	\$31.26
					WPRO	HIC2029	\$27.43
		Sanofi Pasteur	Self-procurement	Avaxim 80 U Pediatric	AFRO	UMIC2195	\$22.53
					WPRO	HIC2156	\$9.88
			Avaxim 160 U Adult	AFRO	UMIC2195	\$28.17	
				EMRO	HIC2118	\$16.50	
						HIC2172	\$16.50
					EURO	HIC2019	\$33.83
	Sinovac Biotech Co. Ltd	(sub)Regional pool-procurement	Healive - 0.5ml containing 250u	EURO	UMIC2090	\$7.65	
		Other	Healive - 0.5ml containing 250u	WPRO	LMIC2104	\$7.33	
		Self-procurement	Healive - 0.5ml containing 250u	EMRO	HIC2118	\$10.29	
				EURO	UMIC2033	\$8.90	
		Zhejiang Pukang Biology	Self-procurement	Hepatitis A (Live) Vaccine, Freeze-dried	WPRO	UMIC2065	\$2.82
	HepB	1-dose	BioKantai	Self-procurement	Hepatitis B vaccine	WPRO	UMIC2065
Centro de Ingenieria Genetica y Biotecnologia			Self-procurement	Heberbiovac HB	AFRO	UMIC2122	\$1.97
Dalian Hissen			Self-procurement	HepB ped vaccine Hansenula yeast	WPRO	UMIC2065	\$0.45
Dynavax Technologies Corp			Self-procurement	Hepsilav	AMRO	HIC2064	\$69.75
GlaxoSmithKline Biologicals SA			Other	Engerix	WPRO	HIC2115	\$12.30
				Engerix B 20mcg	EURO	HIC2158	\$7.18
			Self-procurement	Engerix	EMRO	HIC2070	\$3.91

HepB	1-dose	LG Chem Ltd	Self-procurement	Euvax B (adult)	EURO	UMIC2166	\$7.22
					WPRO	UMIC2180	\$1.67
						HIC2156	\$4.09
						HIC2029	\$4.39
		Merck Vaccines	Self-procurement	HB Vaxpro	AMRO	HIC2064	\$12.30
					WPRO	HIC2051	\$12.84
		PT Bio Farma (Persero)	Self-procurement	Hepatitis B Vaccine Recombinant	SEARO	LMIC2163	\$1.81
		Serum Institute of India	Self-procurement	Hepatitis B Vaccine (rDNA) (Adult)	AFRO	UMIC2195	\$1.21
					EMRO	HIC2173	\$2.25
						UMIC2136	\$2.75
						HIC2118	\$2.85
				Hepatitis B Vaccine (rDNA) (Ped)	EMRO	LMIC2052	\$0.33
						LMIC2015	\$0.69
						HIC2173	\$1.30
						HIC2118	\$2.35
		SK Bioscience Co., Ltd.	Self-procurement	Hepamune inj.	WPRO	HIC2156	\$2.34
				Hepamune prefilled syringe	WPRO	HIC2156	\$4.09
		VABIOTECH	Self-procurement	Hepatitis B vaccine 0.5 ml	WPRO	LMIC2050	\$0.36
2-dose		Biological E. Limited	Self-procurement	BEVAC	AFRO	UMIC2068	\$2.49
		GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	EURO	HIC2193	\$21.81
		LG Chem Ltd	Self-procurement	Euvax B	EURO	UMIC2090	\$0.88
		Serum Institute of India	Other	Hepatitis B Vaccine (rDNA) (Paediatric)	SEARO	UMIC2128	\$1.21

Hib	1-dose	Sanofi Pasteur	Self-procurement	Act-HIB	EURO	UMIC2166	\$7.98
						HIC2027	\$7.38
						HIC2077	\$7.83
						HIC2071	\$9.03
	Not reported	Serum Institute of India	Other	Hemophilus influenzae type b Conjugated Vaccine	AMRO	UMIC2074	\$2.35
					EMRO	UMIC2094	\$4.31
			Self-procurement	Hemophilus influenzae type b Conjugated Vaccine	WPRO	HIC2115	\$13.21
HPV	1-dose	Butantan	Other	Vacina papilomavirus humano tipo, 6, 11, 16 e 18 (recombinante)	AMRO	UMIC2074	\$9.80
					AMRO	UMIC2140	\$8.96
		GlaxoSmithKline Biologicals SA	Other	Cervarix	EURO	HIC2103	\$21.81
					AFRO	UMIC2122	\$9.71
	Not reported	Merck Vaccines	Other	Cervarix	WPRO	UMIC2195	\$19.58
						HIC2030	\$22.85
			Self-procurement	Cervarix	EURO	HIC2193	\$22.93
						UMIC2180	\$7.45
		Merck Vaccines	Other	Gardasil	WPRO	HIC2156	\$48.53
						HIC2174	\$32.62
			Self-procurement	Gardasil	EURO	HIC2158	\$44.74
					AMRO	HIC2058	\$12.90
	Not reported	Merck Vaccines	Other	Gardasil	EMRO	HIC2172	\$60.00
					WPRO	HIC2115	\$178.14

IPV	1-dose	Sanofi Pasteur	Self-procurement	IMOVAX POLIO	EURO	HIC2027	\$8.72	
						HIC2077	\$6.71	
						HIC2103	\$15.56	
						HIC2019	\$7.85	
					WPRO	UMIC2065	\$5.07	
						HIC2029	\$42.48	
						HIC2051	\$26.35	
						AFRO	HIC2097	\$5.70
	EMRO	HIC2118	\$9.50					
	5-dose	Sanofi Pasteur	Other	ShanIPV	EURO	UMIC2095	\$4.45	
						Shantha Biotechnics Private Limited (A Sanofi Company)	Self-procurement	ShanIPV
	10-dose	Bio-Manguinhos/ Fiocruz	Other	Poliomyelitis 1, 2 and 3 (inactivated)	AMRO	UMIC2074	\$2.68	
						Sanofi Pasteur	Self-procurement	IMOVAX POLIO
		Serum Institute of India	Self-procurement	Poliomyelitis Vaccine (Inactivated)	AFRO	UMIC2068	\$3.52	
						UMIC2157	\$2.52	
		Not reported	GlaxoSmithKline Biologicals SA	Other	Unknown	WPRO	HIC2115	\$13.55
	JE	1-dose	Bharat Biotech International Limited	Self-procurement	Jenvac	SEARO	LMIC2076	\$1.04
			Boryung	Self-procurement	Boryung Cell culture-derived Japanese Encephalitis Vaccine (injection)	WPRO	HIC2156	\$9.83
Chengdu Institute of Biological Products Co.,Ltd			Self-procurement	Japanese Encephalitis Vaccine Live (SA14-14-2)	WPRO	UMIC2065	\$1.34	
						HIC2156	\$9.89	
GPO-MBP Co., Ltd.			Self-procurement	IMOJEV MD	WPRO	HIC2029	\$37.21	
Green Cross Corporation			Self-procurement	JenceVac	WPRO	HIC2156	\$9.83	

MenACYW-135	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Menveo	AMRO	HIC2064	\$72.23
					EURO	HIC2019	\$39.71
					WPRO	HIC2029	\$27.47
		Pfizer	Other	Nimenrix	EURO	HIC2158	\$36.39
					AMRO	UMIC2074	\$21.90
			Self-procurement	Nimenrix	EURO	HIC2027	\$29.43
						HIC2077	\$29.27
						HIC2071	\$42.62
						HIC2019	\$46.78
		Sanofi Pasteur	Self-procurement	Menactra	AFRO	UMIC2195	\$20.28
					AMRO	UMIC2074	\$21.90
						HIC2064	\$83.91
					EMRO	UMIC2094	\$6.10
						UMIC2056	\$20.30
						HIC2118	\$19.49
						HIC2172	\$19.49
					EURO	UMIC2166	\$113.76
					SEARO	UMIC2128	\$27.81
					WPRO	HIC2051	\$59.24
MenACYW-135 Ps	1-dose	Bio-Med	Self-procurement	Quadri Meningo	EMRO	UMIC2139	\$14.59
		Chengdu Kanghua	Other	Group ACYW135 Meningococcal Polysaccharide Vaccine	WPRO	LMIC2104	\$4.29
		Sanofi Pasteur	Self-procurement	Menomune	EMRO	HIC2173	\$8.10

MenACYW-135 Ps	1-dose	Sanofi Pasteur	Self-procurement	Menomune	WPRO	UMIC2180	\$23.66
	10-dose	Bio-Med	Self-procurement	Quadri Meningo	EMRO	UMIC2139	\$9.84
		GlaxoSmithKline Biologicals SA	Self-procurement	Mencevax 5mL	EMRO	LMIC2015	\$7.95
MenB	1-dose	GlaxoSmithKline Biologicals SA	Other	Bexsero (ex Novartis product)	EURO	HIC2158	\$80.58
			Self-procurement	Bexsero (ex Novartis product)	AMRO	HIC2058	\$66.55
						HIC2064	\$105.33
					EURO	HIC2077	\$80.54
						HIC2103	\$61.72
						HIC2071	\$71.59
						HIC2019	\$74.57
				Unknown	EURO	HIC2174	\$76.06
		Pfizer	Self-procurement	Trumenba	AMRO	HIC2064	\$96.52
MenC	1-dose	Pfizer	Other	NeisVac-C (ex-Baxter product)	EURO	HIC2158	\$12.29
			Self-procurement	NeisVac-C (ex-Baxter product)	EURO	HIC2030	\$15.10
						HIC2027	\$24.05
					WPRO	HIC2051	\$32.93
				Unknown	EURO	HIC2174	\$19.57
MMR	1-dose	Beijing Institute of Biological Products (CNBG Subsidiary)	Self-procurement	Measles, Mumps and Rubella Combined Vaccine, Live 0.5mL	WPRO	UMIC2065	\$3.01
		Bio-Manguinhos/ Fiocruz	Other	Measles, mumps and rubella (MMR)	AMRO	UMIC2074	\$2.67
		GlaxoSmithKline Biologicals SA	Null	Priorix	EURO	LMIC2127	\$4.81
			Other	Priorix	SEARO	UMIC2128	\$5.90
			Self-procurement	Priorix	AFRO	UMIC2195	\$8.25

MMR	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Priorix	EMRO	UMIC2136	\$5.65
						HIC2172	\$6.56
					EURO	HIC2167	\$5.82
						HIC2077	\$6.82
						HIC2103	\$6.78
						HIC2045	\$10.51
						HIC2019	\$11.86
					SEARO	UMIC2128	\$6.13
					WPRO	UMIC2134	\$0.35
						UMIC2180	\$3.92
		HIC2156	\$9.78				
		HIC2029	\$12.89				
		HIC2051	\$16.47				
			Unknown	EURO	HIC2174	\$7.94	
		Merck Vaccines	Other	rHA M-M-R II	AMRO	UMIC2140	\$6.42
					WPRO	HIC2115	\$21.22
			Self-procurement	rHA M-M-R II	AMRO	HIC2064	\$34.36
		EMRO			HIC2173	\$6.80	
					HIC2070	\$6.32	
		EURO			UMIC2057	\$7.06	
HIC2053	\$7.72						
		HIC2030	\$7.40				

MMR	1-dose	Merck Vaccines	Self-procurement	rHA M-M-R II	EURO	HIC2193	\$6.78
						UMIC2166	\$6.44
						HIC2027	\$7.27
						HIC2071	\$6.93
					WPRO	HIC2156	\$9.78
	2-dose	Sanofi Pasteur	Self-procurement	TRIMOVAX MÉRIEUX	EURO	HIC2045	\$10.51
		Serum Institute of India	Other	Measles,Mumps and Rubella Vaccine Live attenuated	AMRO	UMIC2140	\$4.88
			Self-procurement	Measles,Mumps and Rubella Vaccine Live attenuated	AFRO	HIC2097	\$3.05
					EMRO	HIC2118	\$5.65
					EURO	UMIC2090	\$3.17
		Shanghai Institute of Biological Products (CNBG Subsidiary)	Self-procurement	Measles, Mumps and Rubella Combined Vaccine, Live 0.5mL	WPRO	UMIC2065	\$3.01
	5-dose	GlaxoSmithKline Biologicals SA	Other	Priorix	EURO	UMIC2033	\$4.00
			Self-procurement	Priorix	EURO	UMIC2033	\$4.00
		Serum Institute of India	Self-procurement	Measles,Mumps and Rubella Vaccine Live attenuated	EMRO	UMIC2094	\$2.91
	10-dose	Merck Vaccines	Self-procurement	Unknown	WPRO	HIC2051	\$14.82
		Razi Vaccine & Serum Research Institute	Self-procurement	MMR	EMRO	UMIC2094	\$1.40
		GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	WPRO	HIC2051	\$16.47
		Merck Vaccines	Self-procurement	Unknown	WPRO	HIC2051	\$14.82
		Serum Institute of India	Other	Measles,Mumps and Rubella Vaccine Live attenuated	AMRO	UMIC2184	\$1.08
			Self-procurement	Measles,Mumps and Rubella Vaccine Live attenuated	EMRO	LMIC2015	\$1.66
						UMIC2056	\$0.42
					SEARO	LMIC2063	\$1.40

MR	1-dose	Beijing Institute of Biological Products (CNBG Subsidiary)	Self-procurement	Measles and Rubella Combines Vaccine, Live	WPRO	UMIC2065	\$0.84
		Beijing Minhai Biotech Group	Self-procurement	Measles and Rubella Combined Vaccine ,Live	WPRO	UMIC2065	\$0.84
		Serum Institute of India	Self-procurement	Measles and Rubella Vaccine, Live, Attenuated	EMRO	LMIC2052	\$2.92
	10-dose	Biological E. Limited	Self-procurement	Measles and Rubella Vaccine (Live) (Attenuated, Freeze Dried)	SEARO	LMIC2076	\$0.69
		POLYVAC	Self-procurement	MRVAC	WPRO	LMIC2050	\$0.60
		Razi Vaccine & Serum Research Institute	Self-procurement	MR	EMRO	UMIC2094	\$1.12
		Serum Institute of India	Other	Measles and Rubella Virus Vaccine Live	AMRO	UMIC2140	\$2.05
			Self-procurement	Measles and Rubella Virus Vaccine Live	AFRO	UMIC2068	\$1.71
					EMRO	LMIC2052	\$0.90
						LMIC2015	\$0.92
					SEARO	LIC2087	\$0.66
						LMIC2076	\$0.69
						LMIC2163	\$1.18
						UMIC2128	\$1.77
					WPRO	UMIC2180	\$2.10
PCV	1-dose	Bio-Manguinhos/ Fiocruz	Other	Synflorix	AMRO	UMIC2074	\$14.41
		GlaxoSmithKline Biologicals SA	Other	Synflorix	EURO	HIC2103	\$26.51
			Self-procurement	Synflorix	EMRO	LMIC2052	\$13.34
						LMIC2026	\$13.78
					EURO	UMIC2057	\$29.93
						HIC2030	\$34.66
						HIC2193	\$31.72

PCV	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Synflorix	EURO	UMIC2166	\$23.50				
						HIC2027	\$30.15				
						HIC2077	\$25.73				
						HIC2045	\$42.73				
						HIC2071	\$20.50				
						WPRO	HIC2156	\$45.44			
						Unknown	EURO	UMIC2143	\$29.72		
						Pfizer	Other	Pevnar 13	AMRO	UMIC2140	\$9.53
									EURO	UMIC2095	\$18.58
									HIC2158	\$51.15	
	WPRO	HIC2115	\$137.01								
			Self-procurement	Pevnar 13	AFRO	UMIC2068	\$13.54				
					UMIC2122	\$15.70					
					UMIC2157	\$15.24					
					UMIC2195	\$28.76					
					AMRO	UMIC2074	\$14.84				
					HIC2058	\$13.93					
					HIC2064	\$127.97					
					EMRO	UMIC2056	\$18.90				
					HIC2173	\$26.25					
HIC2070					\$26.32						
HIC2118	\$26.25										

PCV	1-dose	Pfizer	Self-procurement	Pevnar 13	EMRO	HIC2172	\$26.25	
						EURO	UMIC2090	\$23.95
							UMIC2033	\$58.00
							HIC2167	\$26.74
							UMIC2166	\$48.35
							HIC2077	\$29.98
							HIC2045	\$60.64
							HIC2071	\$47.34
							HIC2019	\$56.03
					SEARO	LMIC2163	\$17.68	
					WPRO	UMIC2134	\$0.35	
						HIC2156	\$52.79	
						HIC2029	\$37.35	
						HIC2051	\$95.50	
				Unknown	AMRO	HIC2037	\$25.00	
					EURO	HIC2174	\$49.22	
	10-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	WPRO	HIC2051	\$92.21	
PPSV	1-dose	Merck Vaccines	Other	Pneumovax 23	AMRO	UMIC2140	\$8.46	
					EURO	HIC2158	\$28.21	
			Self-procurement	Pneumovax 23	AMRO	UMIC2074	\$9.66	
					HIC2058	\$8.60		
					HIC2064	\$57.40		

Rabies	1-dose	Sanofi Pasteur	Self-procurement	VERORAB	EMRO	HIC2070	\$15.54
					EURO	UMIC2057	\$16.13
						HIC2053	\$34.56
						HIC2193	\$17.34
						HIC2027	\$26.45
						HIC2077	\$17.90
						HIC2103	\$21.14
						HIC2071	\$75.27
						WPRO	HIC2029
					Serum Institute of India	Self-procurement	Rabies Vaccine Inactivated (Freeze Dried) (RABIVAX-5)
HIC2118	\$10.70						
Thai Red Cross	Self-procurement	Unknown	SEARO	UMIC2128	\$8.39		
Vacsera	Self-procurement	Rabies vaccine	EMRO	LMIC2015	\$3.76		
Rota	1-dose	Bio-Manguinhos/ Fiocruz	Other	Human rotavirus	AMRO	UMIC2074	\$7.85
					GlaxoSmithKline Biologicals SA	Other	Rotarix
		Self-procurement	Rotarix	AFRO			
				UMIC2157		\$7.51	
				UMIC2195		\$16.82	
				AMRO		HIC2058	\$48.96
				HIC2064		\$93.77	
				EMRO		UMIC2056	\$6.70
		HIC2070	\$11.03				

Rota	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Rotarix	EMRO	HIC2172	\$11.00
					EURO	HIC2071	\$18.07
					WPRO	UMIC2134	\$0.35
		Merck Vaccines	Self-procurement	Rotateq	AMRO	HIC2064	\$70.49
					EMRO	UMIC2136	\$4.75
						LMIC2026	\$4.23
						HIC2118	\$6.50
					SEARO	UMIC2128	\$5.91
		Serum Institute of India	Self-procurement	ROTASIIL	AFRO	HIC2097	\$1.90
						UMIC2068	\$4.73
	2-dose	Serum Institute of India	Self-procurement	ROTASIIL	SEARO	LMIC2076	\$0.73
	5-dose	Bharat Biotech International Limited	Self-procurement	Rotavac	SEARO	LMIC2076	\$0.73
	10-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	WPRO	HIC2051	\$26.35
		Merck Vaccines	Other	Unknown	AMRO	UMIC2140	\$6.74
	Not reported	Merck Vaccines	Other	Unknown	WPRO	HIC2115	\$70.49
Seasonal Influenza	1-dose	Abbott Biologicals BV	Other	Serinflu;	EURO	UMIC2033	\$4.33
					SEARO	UMIC2128	\$3.28
			Self-procurement	Serinflu;	AMRO	HIC2058	\$3.31
					EMRO	HIC2173	\$3.25
						HIC2118	\$2.79
					EURO	HIC2030	\$2.80
					EMRO	HIC2070	\$2.80

Seasonal Influenza	1-dose	Abbott Biologicals BV	Self-procurement	Unknown	EMRO	HIC2172	\$2.79	
		AstraZeneca	Self-procurement	FluMist	AMRO	HIC2064	\$18.88	
		Boryung	Self-procurement	Unknown	WPRO	HIC2156	\$7.64	
		GlaxoSmithKline Biologicals SA	Self-procurement	FluLaval Quadrivalent; Fluarix Quadrivalent	WPRO	HIC2051	\$5.93	
		Green Cross Corporation	Other	GC FLU inj.	SEARO	UMIC2128	\$3.07	
				Self-procurement	Unknown	EMRO	UMIC2094	\$4.47
						WPRO	HIC2156	\$7.64
		IL-YANG PHARMACEUTICAL CO., LTD.	Self-procurement	Unknown	WPRO	HIC2156	\$7.84	
		Korea Vaccine	Self-procurement	Unknown	WPRO	HIC2156	\$7.64	
		LG Chem Ltd	Self-procurement	Unknown	WPRO	HIC2156	\$7.84	
		Microgen	Other	Grippol	EURO	UMIC2095	\$2.51	
		Petrovax	Other	Grippol Plus	EURO	UMIC2033	\$1.83	
				Self-procurement	Grippol Plus	EURO	UMIC2033	\$1.83
		Sanofi Pasteur	Other	Fluzone	EURO	UMIC2033	\$4.33	
				Fluzone Quadrivalent; Flubok	EURO	UMIC2033	\$6.26	
						HIC2158	\$8.89	
						HIC2115	\$13.33	
			Self-procurement	Fluzone	AFRO	UMIC2122	\$2.76	
					EMRO	LMIC2015	\$3.70	
						UMIC2056	\$3.40	
EURO	UMIC2143				\$4.29			
	HIC2027				\$3.18			

Seasonal Influenza	1-dose	Sanofi Pasteur	Self-procurement	Fluzone	SEARO	UMIC2128	\$3.29
				Fluzone Quadrivalent; Flubok	EURO	LMIC2066	\$6.88
						UMIC2143	\$10.20
						HIC2053	\$7.84
						HIC2193	\$7.96
						UMIC2166	\$6.44
						HIC2027	\$6.77
						HIC2103	\$6.28
						HIC2071	\$4.95
						HIC2019	\$6.43
				Unknown	AFRO	UMIC2195	\$6.34
					EMRO	UMIC2094	\$4.53
						UMIC2136	\$4.08
						HIC2070	\$7.14
					EURO	HIC2077	\$6.02
					WPRO	HIC2156	\$7.64
						HIC2029	\$9.16
		Seqirus Limited	Other	Afluria Quadrivalent; Flucelvax	EURO	HIC2158	\$8.38
			Self-procurement	Agriflu; Fluvirin; Fluad; Afluria	EURO	HIC2019	\$8.74
		SK Bioscience Co., Ltd.	Self-procurement	Unknown	WPRO	HIC2156	\$7.64
	4-dose	GPO-MBP Co., Ltd.	Other	Trivalent inactivated influenza vaccine Adult;	SEARO	UMIC2128	\$12.08
	5-dose	Petrovax	Self-procurement	Unknown	EURO	UMIC2090	\$2.26

Seasonal Influenza	10-dose	Abbott Biologicals BV	Other	Unknown	EURO	HIC2030	\$10.75	
			Self-procurement	Unknown	WPRO	HIC2051	\$5.93	
		BIRMEX	Other	Unknown	AMRO	UMIC2140	\$2.95	
		Butantan	Other	Seasonal Influenza Vaccine Trivalent (split and inactivated)	AMRO	UMIC2074	\$3.81	
		GlaxoSmithKline Biologicals SA	Self-procurement	FluLaval Quadrivalent	AMRO	HIC2064	\$13.52	
				FluLaval Quadrivalent; Fluarix Quadrivalent	AMRO	HIC2064	\$12.15	
		Sanofi Pasteur	Other	Fluzone	WPRO	LMIC2032	\$3.60	
				Self-procurement	Fluzone Quadrivalent	AMRO	HIC2064	\$13.84
						EURO	HIC2019	\$64.34
						WPRO	HIC2051	\$5.93
		Seqirus Limited	Self-procurement	Afluria Quadrivalent; Flucelvax	AMRO	HIC2064	\$13.75	
TBE	1-dose	Chumakov Federal Scientific Center	Other	Unknown	WPRO	LMIC2104	\$9.20	
			Self-procurement	Unknown	EURO	UMIC2090	\$5.49	
		GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	EURO	HIC2193	\$14.57	
					HIC2077	\$15.66		
		Microgen	Other	EnceVir	EURO	UMIC2033	\$4.47	
					Self-procurement	EnceVir	EURO	UMIC2033
		Pfizer	Self-procurement	TicoVac (0.5ml) (ex-Baxter product)	EURO	HIC2193	\$15.68	
					HIC2077	\$16.43		
				Ticovac Junior (0.25ml) (ex-Baxter product)	EURO	HIC2077	\$19.24	
Td	1-dose	AJ Vaccines A/S	Self-procurement	diTeBooster (0.5 ml) (former SSI - Statens Serum Institut)	WPRO	HIC2156	\$10.88	
		Bul Bio - NCIPD	Self-procurement	Tetadif	EURO	UMIC2057	\$0.80	

Td	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Td Pur (ex-Novartis product)	EURO	HIC2077	\$4.82
					WPRO	HIC2156	\$10.88
		Green Cross Corporation	Self-procurement	Unknown	WPRO	HIC2156	\$10.88
		Intervax	Self-procurement	Td	EMRO	HIC2070	\$4.11
		MassBiologics	Self-procurement	TDVAX	AMRO	HIC2064	\$14.63
		Sanofi Pasteur	Other	IMOVAX dT adult	EURO	HIC2158	\$4.25
			Self-procurement	IMOVAX dT adult	EURO	HIC2053	\$9.40
						HIC2193	\$9.28
						HIC2103	\$9.40
		SK Bioscience Co., Ltd.	Self-procurement	SK Td vaccine inj.	WPRO	HIC2156	\$10.88
	2-dose	Microgen	Other	DIPHTHERIA AND TETANUS ANATOXIN (TOXOID), REDUCED ANTIGEN CONTENT	EURO	UMIC2095	\$0.07
	5-dose	AJ Vaccines A/S	Self-procurement	Unknown	WPRO	HIC2051	\$11.18
	10-dose	Biological E. Limited	Null	BE Td	WPRO	LMIC2032	\$0.10
			Self-procurement	BE Td	EMRO	UMIC2136	\$0.42
					SEARO	LIC2087	\$0.11
						UMIC2128	\$0.25
		Institute of Vaccines and Medical Biologicals, Vietnam	Self-procurement	Td vaccine	WPRO	LMIC2050	\$0.28
		Microgen	Self-procurement	Unknown	EURO	UMIC2090	\$0.11
		PT Bio Farma (Persero)	Self-procurement	Bio Td	EMRO	HIC2173	\$2.35
					SEARO	LMIC2163	\$0.12
		Razi Vaccine & Serum Research Institute	Self-procurement	Td vaccine	EMRO	UMIC2094	\$0.09
		Sanofi Pasteur	Self-procurement	IMOVAX dT adult	AFRO	UMIC2122	\$0.95

Td	10-dose	Sanofi Pasteur	Self-procurement	IMOVAX dT adult	AMRO	HIC2064	\$20.33
		Serum Institute of India	Self-procurement	Diphtheria and Tetanus Vaccine Adsorbed for Adults and Adolescents	EMRO	LMIC2052	\$0.17
						HIC2118	\$0.61
					SEARO	LMIC2063	\$0.25
		Torlak	Self-procurement	Ditevaksal-T (Td)	EURO	UMIC2166	\$0.85
		Vacsera	Self-procurement	DIVAC adult vaccine	EMRO	LMIC2015	\$0.33
Tdap	1-dose	Butantan	Other	Tdap, in partnership with GSK	AMRO	UMIC2074	\$10.85
		GlaxoSmithKline Biologicals SA	Other	Boostrix	AMRO	UMIC2140	\$11.77
			Self-procurement	Boostrix	AMRO	HIC2058	\$12.67
						HIC2064	\$28.28
					EMRO	HIC2173	\$12.20
						HIC2070	\$12.23
						HIC2118	\$45.75
						HIC2172	\$12.20
					EURO	HIC2167	\$14.33
						HIC2030	\$17.98
						HIC2027	\$14.11
						HIC2077	\$14.78
						HIC2019	\$15.10
					WPRO	HIC2156	\$17.24
						HIC2051	\$16.47
		Sanofi Pasteur	Other	Adacel	AMRO	UMIC2140	\$11.51

Tdap	1-dose	Sanofi Pasteur	Other	Adacel	WPRO	HIC2115	\$32.24
			Self-procurement	Adacel	AMRO	HIC2064	\$28.07
					EURO	HIC2103	\$15.27
					WPRO	HIC2156	\$17.24
	10-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	WPRO	HIC2051	\$16.47
Tdap-IPV	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Boostrix-Polio	EURO	HIC2045	\$24.38
						HIC2019	\$21.10
				Unknown	EURO	HIC2174	\$26.06
	10-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	EURO	HIC2030	\$20.35
TT	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Anatetall (ex-Novartis product)	EURO	HIC2077	\$3.98
						HIC2019	\$4.70
		Sanofi Pasteur	Self-procurement	Imovax tetano	AFRO	UMIC2195	\$0.96
					EURO	HIC2071	\$7.68
						HIC2019	\$4.59
		Serum Institute of India	Self-procurement	Tetanus Toxoid Vaccine Adsorbed	WPRO	HIC2029	\$3.52
		Torlak	Self-procurement	Tetavaksal-T	EURO	UMIC2166	\$1.39
	2-dose	Microgen	Other	TETANUS ANATOXIN (TOXOID)	EURO	UMIC2095	\$0.07
	10-dose	PT Bio Farma (Persero)	Self-procurement	TT vaccine	WPRO	UMIC2180	\$0.25
		Sanofi Pasteur	Self-procurement	TETAVAX	AFRO	UMIC2122	\$0.68
		Serum Institute of India	Self-procurement	Tetanus Toxoid Vaccine Adsorbed	AFRO	HIC2097	\$1.45
						UMIC2068	\$1.71
					EMRO	HIC2173	\$0.23

TT	10-dose	Serum Institute of India	Self-procurement	Tetanus Toxoid Vaccine Adsorbed	EMRO	UMIC2136	\$0.18
		Vacsera	Self-procurement	Unknown	EMRO	LMIC2015	\$0.33
	20-dose	Biological E. Limited	Self-procurement	BEtt	EMRO	LMIC2059	\$0.06
		Institute of Vaccines and Medical Biologicals, Vietnam	Self-procurement	TT vaccine 10ml/vial	WPRO	LMIC2050	\$0.05
	Not reported	Biological E. Limited	Self-procurement	Unknown	AFRO	UMIC2195	\$0.08
		Serum Institute of India	Self-procurement	Unknown	AFRO	LIC2080	\$0.09
Typhoid Ps	1-dose	Boryung	Self-procurement	Zerotyph Cap.	WPRO	HIC2156	\$4.29
			Self-procurement	Vivotif (ex-Crucell vaccine)	EURO	HIC2019	\$11.30
		Sanofi Pasteur	Other	Typhym-Vi	EURO	HIC2158	\$14.54
			Self-procurement	Typhym-Vi	AFRO	UMIC2195	\$9.58
					EMRO	HIC2070	\$8.02
						HIC2118	\$8.00
						HIC2172	\$8.00
					EURO	UMIC2057	\$12.01
						HIC2027	\$18.62
						HIC2071	\$27.10
						HIC2019	\$11.59
					WPRO	HIC2029	\$9.52
	5-dose	Bharat Biotech International Limited	Self-procurement	Unknown	EURO	UMIC2090	\$2.66
	20-dose	Sanofi Pasteur	Self-procurement	Typhym-Vi	EMRO	UMIC2056	\$3.50
						HIC2173	\$4.05
Varicella	1-dose	Changchun Keygen Biological Products (CNBG Subsidiary)	Self-procurement	Varicella Vaccine: Live	WPRO	HIC2156	\$11.17

Varicella	1-dose	GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	EURO	HIC2174	\$32.52
				Varilrix	EURO	UMIC2166	\$32.80
						HIC2019	\$42.93
					WPRO	UMIC2134	\$0.35
		Green Cross Corporation	Self-procurement	Varicella Vaccine-GCC inj.	WPRO	HIC2156	\$11.17
		Merck Vaccines	Self-procurement	Varivax	AMRO	UMIC2074	\$18.94
						HIC2064	\$91.19
					EMRO	UMIC2094	\$26.29
						HIC2173	\$20.00
						HIC2118	\$22.49
						HIC2172	\$22.49
					EURO	HIC2193	\$25.35
						HIC2077	\$34.68
	10-dose	SK Bioscience Co., Ltd.	Self-procurement	SKY Varicella Inj.	WPRO	HIC2156	\$11.17
		GlaxoSmithKline Biologicals SA	Self-procurement	Unknown	WPRO	HIC2051	\$32.93
YF	1-dose	Sanofi Pasteur	Other	Stamaril	EURO	HIC2158	\$22.37
			Self-procurement	Stamaril	AFRO	UMIC2195	\$33.41
					EMRO	LMIC2015	\$20.02
						UMIC2094	\$18.18
						HIC2173	\$19.50
						UMIC2136	\$40.96
						HIC2070	\$20.05

YF	1-dose	Sanofi Pasteur	Self-procurement	Stamaril	EMRO	HIC2118	\$20.00
						HIC2172	\$20.00
					EURO	HIC2027	\$27.07
					SEARO	UMIC2128	\$24.13
					WPRO	HIC2029	\$73.24
	2-dose	Chumakov Federal Scientific Center	Self-procurement	YELLOW FEVER VACCINE LIVE FREEZE-DRIED	EURO	UMIC2033	\$7.39
	5-dose	Chumakov Federal Scientific Center	Other	YELLOW FEVER VACCINE LIVE FREEZE-DRIED	WPRO	LMIC2104	\$0.97
	10-dose	Sanofi Pasteur	Self-procurement	Stamaril	AMRO	UMIC2016	\$1.43
	Not reported	Bio-Manguinhos/ Fiocruz	Other	Yellow Fever	AMRO	UMIC2074	\$1.05