

The following schedule is to be read only in conjunction with the footnotes below

Vaccine Schedules for South Africa for 2023

Compiled by Amayeza Info Services' Vaccine Helpline: for more information call 0860 160 160

Age of child	EPI schedule (6-10-14 wks)	Age of child	Private Starting schedule with Hexaxim® at 6 weeks	Age of child	Private Starting schedule with Infanrix Hexa® at 8 weeks
At birth	OPV(0)	At birth	OPV(0)	At Birth	OPV(0)
	BCG		BCG		BCG
			*See footnotes regarding hep B vaccine at birth		*See footnotes regarding hep B vaccine at birth
6 weeks	OPV-Merieux®(1)	6 weeks	OPV(1)	8 weeks	OPV(1)
	Rotarix® (1)		Rotarix® (1) or Rotateq®(1)		Rotarix® (1) or Rotateq®(1)
	Prevenar13®(1)		Prevenar13®(1) or Synflorix® (1)		Prevenar13®(1) or Synflorix® (1)
	Hexaxim® (1)		Hexaxim®		Infanrix Hexa® (1) ¹
10 weeks	Hexaxim® (2)	10 weeks	Rotateq® (2) ²	12 weeks	Rotateq® (2) ²
			Synflorix® (2) ³		Synflorix® (2) ³
			Hexaxim®(2)		Infanrix hexa®(2)
14 weeks	Rotarix® (2)	14 weeks	Rotarix® (2) or Rotateq® (3)	16 weeks	Rotarix® (2) or Rotateq(3)
	Prevenar13®(2)		Prevenar13®(2) or Synflorix® (3)		Prevenar13®(2) or Synflorix® (3)
	Hexaxim® (3)		Hexaxim® (3)		Infanrix hexa® (3)
6 months	Measbio® ⁴ (1)	6 months	Measbio® ⁴ or Measles vaccine Cipla® Vaxigrip Tetra® or Influvac Tetra® (one month after Measbio®) ⁵		
9 months	Prevenar13®(3)	9 months	Prevenar13(3)® or Synflorix® (4) ³ [at least 6 months from 3 rd dose] Menactra® (1) Measles vaccine Cipla® ⁶ (if measles vaccine was not given at 6 months)		
12 months	Measbio® (2) ⁴	12-15 months	Priorix® (1) ⁷ or Omzyta® at 12 months Avaxim 80® or Havrix Jnr® (1) at 12 months Onvara® or Varilrix® ^{6,8} (1) Menactra® (2) (At least 3 months after the first dose of Menactra)		
18 months	Hexaxim® (4)	18 months	Hexaxim® (4) or Infanrix hexa® (4) Avaxim 80® or Havrix Jnr® (2) (At least 6 months after the first dose of Hep A)		
6years	Diftavax® (6 years)	5-6 years	Tetraxim® or Boostrix tetra® or Adacel Quadra®		
	Comirnaty Paed® vaccine from 5-11 years (high risk pts only) 2 doses 21 days apart		Priorix® or Omzyta®(2) ⁶		
			Varilrix® (2) ^{6,10}		
			Comirnaty Paed® vaccine from 5-11 years (high risk patients only) 2 doses 21 days apart		
9 years	Cervarix ¹¹	9 years	Cervarix® or Gardasil® or Gardasil 9® ¹² (from 9 years)		
Diftavax® campaign dose					
12 years	Diftavax® vaccine	12 years	Adacel Quadra®, Adacel®, Boostrix® or Boostrix Tetra® ¹³		
	Comirnaty® vaccine		Comirnaty® vaccine (2 doses 21 days apart) Ages 12-17 years		

- Heberbio®, Engerix B® or Euvax® (0) given at birth to babies born to mothers who test positive for hepatitis B

General:**(0) Birth dose which doesn't count as part of primary series****(1) First dose in a series****(2) Second dose in a series****(3) Third dose in a series****(4) Fourth dose - a booster****Referenced notes (superscripts)**

- If the hexavalent vaccine -Infanrix-hexa® is given according to the EPI schedule (6, 10 and 14 weeks), then a birth dose of hepatitis B vaccine is required. However, if Hexaxim® is used according to the EPI schedule, a birth dose of HBV is NOT required. If no birth dose is given, then Infanrix hexa® should only be given from 8 weeks of age. The first three doses must be at least 4 weeks apart.
- If Rotateq® vaccine is used, then 3 doses are required, 6, 10 and 14 weeks. If Rotarix® is used, only 2 doses are given – 6 and 14 weeks.
- When Synflorix® is used, it is given at 6, 10 and 14 weeks and the 4th dose should be given at least 6 months after the third dose.
- Measbio® cannot be given at the same time as other vaccines. It is therefore given at 6 and 12 months (in the EPI). It must also be given subcutaneously.
- The flu vaccine can be given from 6 months of age but should be separated from Measbio® by 4 weeks. The first year a child gets the vaccine, 2 doses a month apart are indicated.
- Measles vaccine Cipla® can be given at 9 months if the child did not have a measles vaccine at 6 months. Can be given on the same day as other vaccines.
- If Measbio® is used at 12 months in the private sector, all other vaccines will then have to be given at least a month later. This will then mean that the second hepatitis A dose cannot be given at 18 months, but at least six months after the first dose.
- Varilrix® can be given any time from 9 months of age but is probably most effective if given over the age of 12 months. If not given on the same day as measles vaccines, must then be separated by at least one month. The second dose can be given as early as 4-6 weeks after the first dose but is routinely given at 5-6 years of age.
- Internationally a DTaP-containing vaccine is recommended at 6 years, but Tdap-IPV may also be used.
- Currently Onvara® is registered as a single dose for children younger than 13 years in South Africa.
- Cervarix® in the EPI for girls only. 2 doses six months apart. Given to girls >9 years in public schools.
- Both HPV vaccines are for boys and girls. Course consists of 2 doses, six months apart for children 9 -13/14 years of age or 3 doses – 0, 2 and 6 months for older adolescents.
- If not given at six years, as Boostrix Tetra is currently only licensed as a single dose.

TRADE NAME	ANTIGEN	AGE GROUP
ADACEL®	Tdap - Tetanus & reduced amounts of diphtheria and acellular pertussis	from 4 years of age
ADACEL QUADRA®	Tdap-IPV - Tetanus & reduced amounts of diphtheria and acellular pertussis with inactivated polio vaccine	from 3 Years of age
AVAXIM 80®	Hepatitis A	1 – 15 years
BCG®	BCG - Bacille Calmette Guerin vaccine	Usually at birth only but in certain cases up to 1 year
BOOSTRIX®	Tdap - Tetanus & reduced amounts of diphtheria and acellular pertussis	from 4 years of age
BOOSTRIX TETRA®	Tdap-IPV - Tetanus & reduced amounts of diphtheria and acellular pertussis with inactivated polio vaccine	from 4 years of age
CERVARIX® (bivalent)	HPV - Human papillomavirus vaccine	9 years and older
COMIRNATY® Paed	Covid-19 spike protein	5-11 years for high-risk patients only, 2 paed doses 21 days apart
COMIRNATY®	Covid-19 spike protein	12 years and older, 2 doses 21 days apart
DIFTAVAX®	Td - Tetanus & reduced amount of diphtheria vaccine	6 years and older
ENGERIX-B®	HBV - Hepatitis B vaccine	Paediatric dose from birth through 15 years of age
EUVAX®	HBV - Hepatitis B vaccine	Paediatric dose from birth to 10 years of age
GARDASIL® (quadrivalent)	HPV - Human papillomavirus vaccine	Gardasil ages 9-45 years (girls and women) Gardasil ages 9-26 years (boys and men)
GARDASIL 9® (nonavalent)	HPV - Human papillomavirus vaccine	9 years and older for both females and males
HAVRIX JUNIOR®	Hepatitis A	1 – 15 years
HEBERBIO®	Hepatitis B (HBV)	Paediatric dose from birth to 10 years of age
HEXAXIM®	Dtap-IPV-Hib-HBV – diphtheria, tetanus, acellular pertussis/inactivated polio, <i>haemophilus influenzae</i> type b and hepatitis B vaccine, fully liquid	6 weeks to 5 years
INFANRIX-HEXA®	Dtap-IPV-HBV/Hib - diphtheria, tetanus, acellular pertussis/inactivated polio, <i>haemophilus influenzae</i> type b and hepatitis B vaccine, requiring reconstitution	Children 8 weeks to 2 years
INFLUVAC TETRA®	Influenza	From 6 months of age
MEASBIO®	Measles	6 months and 12 months on the EPI. Must be given subcutaneously. Not to be given at same time as other vaccines
MEASLES VACCINE CIPLA®	Measles	From 9 months of age (from 6 months in HIV pos patients)
MENACTRA®	MCV (A,C,W,Y) - Meningococcal (Groups A, C, W and Y) polysaccharide diphtheria toxoid conjugate vaccine	9 months – 23 months; 2 doses 3 months apart. ≥ 2years – 55 years – a single dose
OMZYTA®	Measles, mumps, rubella (MMR)	From 12 months of age
ONVARA®	Chickenpox (varicella)	From 12 months of age
B-OPV®	B-OPV - Oral polio vaccine (bivalent)	Administered up to 6 months of age (not generally recommended in older patients due to VAPP – vaccine associated paralytic polio)
PREVENAR-13®	Pneumococcal (PCV)	from 6 weeks of age
PRIORIX®	Measles, mumps, rubella (MMR)	From 12 months of age.
ROTARIX®	Rotavirus (RV)	First dose from 6 weeks, second before 24 weeks
ROTATEQ®	Rotavirus (RV)	First dose from 6 weeks of age and by 12 weeks, last dose before 33 weeks
SYNFLORIX®	Pneumococcal (PCV)	Children 6 weeks to 5 years
TETRAxim®	Dtap-IPV	From 6 weeks of age up to 12 years.
VARILRIX®	Chickenpox (varicella)	From 9 months of age
VAXIGRIP TIV or TETRA®	Influenza	From 6 months of age

Other paediatric vaccines available, for use in certain situations.

Hiberix® (Hib - *Haemophilus influenzae* type b): Used up to 5 years of age, Twinrix® (Hepatitis A + hepatitis B) and Pneumovax® (Pneumococcal infection, from 2 years of age for those at high risk)

References for vaccine schedule:

- Expanded programme of immunisation (EPI) (From April 2009, 2015, and 2022)
- Package inserts: Infanrix-Hexa, Hexaxim, Prevenar, Varilrix, Gardasil, Cervarix, Adacel, Adacel quadra, Synflorix, Boostrix, Boostrix Tetra, Trivovax, Priorix, Rotateq, Rotarix, Menactra, Onvara, Omzyta.
- Personal communication with GSK (Upper age limit of Infanrix-Hexa®)
- CDC pink book <http://www.cdc.gov/vaccines/Pubs/pinkbook/pink-chapters.htm>
- NAGI (National Advisory Group on Immunisation)