



Appendix 1

Expanded Program on Immunization (EPI) Schedule

Updated in October 2019

	Age Given	Vaccination Type
Childhood Immunization Schedule	Birth	BCG (Bacillus Calmette-Guerin Vaccine)
		HepB (Hepatitis-B Vaccine)
	End of month 2	Hexavalent (Diphtheria, Tetanus, acellular Pertussis, Haemophilus influenzae type b, Hepatitis B, and Inactivated Poliovirus Vaccine)
		PCV13 (Pneumococcal Conjugate 13 valent Vaccine) ¹
		RV1 (Rotavirus Monovalent Vaccine) ²
	End of month 4	Hexavalent (Diphtheria, Tetanus, acellular Pertussis, Haemophilus influenzae type b, Hepatitis B, and Inactivated Poliovirus Vaccine)
		PCV13 (Pneumococcal Conjugate 13 valent Vaccine) ¹
		RV1 (Rotavirus Monovalent Vaccine)
	End of month 6	Hexavalent (Diphtheria, Tetanus, acellular Pertussis, Haemophilus influenzae type b, Hepatitis B, and Inactivated Poliovirus Vaccine)
		bOPV (Bivalent Oral Polio Vaccine)
		PCV13 (Pneumococcal Conjugate 13 valent Vaccine) ¹
	End of month 12	MMR (Measles, Mumps and Rubella Vaccine)
Var (Varicella Vaccine)		
End of month 18	DTaP-Hib-IPV (Diphtheria, Tetanus, acellular Pertussis, Haemophilus influenzae type b, Injectable Polio Vaccine)	
	bOPV (Bivalent Oral Polio Vaccine)	
	MMR (Measles, Mumps and Rubella Vaccine)	
School Immunization Schedule	Grade 1	DTaP-IPV (Diphtheria, Tetanus, acellular Pertussis, Injectable Polio Vaccine)
		bOPV (Bivalent Oral Polio Vaccine)
		MMR (Measles, Mumps and Rubella Vaccine) ³
		Var (Varicella Vaccine) ³
	Grade 8	HPV9 (Human Papillomavirus 9 valent Vaccine) for females only ⁴
	Grade 11	Tdap (Tetanus, reduced Diphtheria and acellular Pertussis Vaccine)
		MCV4 (Meningococcal ACYW135 Conjugated Vaccine) ⁵
HPV4 (Human Papillomavirus Quadrivalent Vaccine) for females only (3 doses) ⁶		

1- Pneumococcal vaccination schedules (refer to Table # 1):

a. Healthy children <5 years of age:

- Vaccination schedule is 3 doses given at 2, 4 and 6 months.
- The number of doses required initiating or complete the vaccination series for children with incomplete schedules (refer to Table # 2).
- PCV13 is used in governmental Healthcare facilities; however, the private sector can use PCV10. It is recommended to complete the series with the same vaccine brand, but in case a series cannot be



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completed with the same type of vaccine, the available product of Pneumococcal Conjugate Vaccine should be used.

b. Children ≤18 years of age at high risk of pneumococcal infection due to one or more of the underlying medical condition/s mentioned in Table # 3:

- Provide PCV13 and PPSV23 as per Table # 4.
- For recommended vaccination schedule for high-risk children ≤ 18 years of age when doses have been delayed or missed, refer to Table # 4.

c. Preterm birth at <28 weeks gestation:

- PCV13 to be provided as 4 doses given at (2, 4, 6 and 18 months) plus one dose of Pneumococcal Polysaccharide 23 valent Vaccine (PPSV23) at age of 4-5 years. Refer to Table # 4 for vaccination schedule of the children with incomplete schedule.

2- Rotavirus:

- RV1 is used in governmental Healthcare facilities, however the private sector can use RV5 (Rotavirus Pentavalent Vaccine). RV5 schedule is 3 doses at 2, 4 and 6 months). It is recommended that the rotavirus vaccine series to be completed with the same product. However, vaccination should not be deferred if the product used for previous doses is not available or is unknown. In this situation, the provider should continue or complete the series with the product available. If any dose in the series was the pentavalent vaccine, or the product is unknown, a total of 3 doses of rotavirus vaccine should be give
- Refer to the Circular No. (DG 42/13) for the vaccine age limitation and doses gabs.

3- MMR and Varicella:

- Initiate or complete the schedule for the student who do not have documented 2 doses given after the first birthday with minimum gab of 4 weeks.
- Refer to "HAAD Standard for Childhood and Young adult Immunization" for schedule and minimum gap between doses.

4- HPV9

- Schedule for grade 8 students depends on the age of the student when she received the first dose:
 - o Students aged below 15 years should receive 2 doses ONLY, even if the 2nd dose is administered after the student age is 15 years or above.
 - o Students aged 15 years and above should receive 3 doses.

5- **MCV4:** Students who have received MCV4 previously are eligible to receive a 2nd dose, if 5 years or more have been passed since last dose.

6- **HPV4:** To be provided for grade 11 female students as a catchup schedule until the school academic year 2021/2022.

Tables:

Table # 1 Pneumococcal Vaccination Schedule for children <5 years of age					
Category	2 months	4 months	6 months	18 months	2-5 years
Healthy children	PCV13 or PCV10	PCV13 or PCV10	PCV13 or PCV10	-	-
Preterm birth at <28 weeks gestation	PCV13	PCV13	PCV13	PCV13	PPSV23 (1 dose of at age of 4-5 years)
All children with a medical condition(s) associated with an increased risk of invasive pneumococcal disease	PCV13	PCV13	PCV13	PCV13	PPSV23 at age of ≥ 2 years