

## National Immunization Schedule

Age	Vaccines given
<b>Birth</b>	Bacillus Calmette Guerin (BCG), Oral Polio Vaccine (OPV)-0 dose, Hepatitis B birth dose
<b>6 Weeks</b>	OPV-1, Pentavalent-1, Rotavirus Vaccine (RVV)-1, Fractional dose of Inactivated Polio Vaccine (fIPV)-1, <b>Pneumococcal Conjugate Vaccine (PCV) -1*</b>
<b>10 weeks</b>	OPV-2, Pentavalent-2, RVV-2
<b>14 weeks</b>	OPV-3, Pentavalent-3, fIPV-2, RVV-3, <b>PCV-2*</b>
<b>9-12 months</b>	Measles & Rubella (MR)-1, <b>JE-1**</b> , <b>PCV-Booster*</b>
<b>16-24 months</b>	MR-2, <b>JE-2**</b> , Diphtheria, Pertussis & Tetanus (DPT)-Booster-1, OPV – Booster
<b>5-6 years</b>	DPT-Booster-2
<b>10 years</b>	Tetanus & adult Diphtheria (Td)
<b>16 years</b>	Td
<b>Pregnant Mother</b>	Td-1, Td-2 or Td-Booster***

\* **PCV** in selected states/districts: Bihar, Himachal Pradesh, Madhya Pradesh, Uttar Pradesh (selected districts) and Rajasthan; in Haryana as state initiative

\*\* **JE** in endemic districts only

\*\*\* One dose if previously vaccinated within 3 years

**National Immunization Schedule (NIS) for Infants, Children and Pregnant Women (Vaccine-wise)**

Vaccine	When to give	Dose	Route	Site
<b>For Pregnant Women</b>				
<b>Tetanus &amp; adult Diphtheria (Td)-1</b>	Early in pregnancy	0.5 ml	Intra-muscular	Upper Arm
<b>Td-2</b>	4 weeks after Td-1	0.5 ml	Intra-muscular	Upper Arm
<b>Td- Booster</b>	If received 2 TT/Td doses in a pregnancy within the last 3 years*	0.5 ml	Intra-muscular	Upper Arm
<b>For Infants</b>				
<b>Bacillus Calmette Guerin (BCG)</b>	At birth or as early as possible till one year of age	0.1ml (0.05ml until 1 month age)	Intra-dermal	Left Upper Arm
<b>Hepatitis B - Birth dose</b>	At birth or as early as possible within 24 hours	0.5 ml	Intra-muscular	Antero-lateral side of mid-thigh
<b>Oral Polio Vaccine (OPV)-0</b>	At birth or as early as possible within the first 15 days	2 drops	Oral	Oral
<b>OPV 1, 2 &amp; 3</b>	At 6 weeks, 10 weeks & 14 weeks (OPV can be given till 5 years of age)	2 drops	Oral	Oral
<b>Pentavalent 1, 2 &amp; 3</b>	At 6 weeks, 10 weeks & 14 weeks (can be given till one year of age)	0.5 ml	Intra-muscular	Antero-lateral side of mid-thigh
<b>Pneumococcal Conjugate Vaccine(PCV)</b>	Two primary doses at 6 and 14 weeks followed by Booster dose at 9-12 months	0.5 ml	Intra-muscular	Antero-lateral side of mid-thigh
<b>Rotavirus (RVV)</b>	At 6 weeks, 10 weeks & 14 weeks (can be given till one year of age)	5 drops (liquid vaccine) 2.5 ml (lyophilized vaccine)	Oral	Oral
<b>Inactivated Polio Vaccine (IPV)</b>	Two fractional dose at 6 and 14 weeks of age	0.1 ml	Intra dermal two fractional dose	Intra-dermal: Right upper arm
<b>Measles Rubella (MR) 1<sup>st</sup> dose</b>	9 completed months-12 months. (Measles can be given till 5 years of age)	0.5 ml	Sub-cutaneous	Right upper Arm

Vaccine	When to give	Dose	Route	Site
<b>Japanese Encephalitis (JE) - 1</b>	9 completed months-12 months.	0.5 ml	Sub-cutaneous (Live attenuated vaccine)  Intramuscular(Killed vaccine)	Left upper Arm (Live attenuated vaccine)  Anterolateral aspect of mid thigh (Killed vaccine)
<b>Vitamin A (1<sup>st</sup> dose)</b>	At 9 completed months with measles-Rubella	1 ml ( 1 lakh IU)	Oral	Oral
<b>For Children</b>				
<b>Diphtheria, Pertussis &amp; Tetanus (DPT) booster-1</b>	16-24 months	0.5 ml	Intra-muscular	Antero-lateral side of mid-thigh
<b>MR 2<sup>nd</sup> dose</b>	16-24 months	0.5 ml	Sub-cutaneous	Right upper Arm
<b>OPV Booster</b>	16-24 months	2 drops	Oral	Oral
<b>JE-2</b>	16-24 months	0.5 ml	Sub-cutaneous (Live attenuated vaccine)  Intramuscular(Killed vaccine)	Left upper Arm (Live attenuated vaccine)  Anterolateral aspect of mid thigh (Killed vaccine)
<b>Vitamin A (2<sup>nd</sup> to 9<sup>th</sup> dose)</b>	16-18 months. Then one dose every 6 months up to the age of 5 years.	2 ml (2 lakh IU)	Oral	Oral
<b>DPT Booster-2</b>	5-6 years	0.5 ml.	Intra-muscular	Upper Arm
<b>Td</b>	10 years & 16 years	0.5 ml	Intra-muscular	Upper Arm

\*One dose if previously vaccinated within 3 years

Note:

- JE Vaccine is introduced in select endemic districts after the campaign.
- The 2<sup>nd</sup> to 9<sup>th</sup> doses of Vitamin A can be administered to children 1-5 years old during biannual rounds, in collaboration with ICDS.
- PCV in selected states/districts: Bihar, Himachal Pradesh, Madhya Pradesh, Rajasthan & Uttar Pradesh (selected districts), and in Haryana as state initiative