

ROUTINE IMMUNIZATION

UNIVERSAL IMMUNIZATION

The universal immunization programme was started to achieve 100 % immunization and to reduce the mortality and morbidity among infants and young children due to vaccine-preventable diseases such as tuberculosis (T.B.), Diphtheria, Whooping Cough, Tetanus, Polio and Measles. It is clear that coverage of different vaccination is increasing. Table 13.6 presents information on the achievement of different vaccinations in the State. The full immunization rate is 63.00% currently till September 15. Immunization has proven to be one of most cost effective interventions. Vaccines provide immunity to the body by stimulating the body's immune system against a number of killer disease producing organisms, thus saving the beneficiaries from the diseases, related to disability and death.

Government of Karnataka has been providing vaccines free of cost to all pregnant women and children as part of Government of India's Universal Immunization Programme(UIP). The routine vaccines are provided to beneficiaries at Immunization Sessions conducted regularly at all District and Taluk level Government hospitals, Community Health centres, Urban and Rural Primary Health Centres and also by organizing out-reach sessions at Health Sub-centres, Anganwadi centres or other locations close to the communities.

All Health centres prepare a Micro-Plan for carrying out fixed sessions at the hospital and out-reach sessions in the community. Conscious efforts are made by the Staff of Health Centres to include any families of migrant workers in their area in addition to the local population for including them to the Immunization Services.

The Immunization services are routinely provided throughout the year as part of the Universal Immunization Programme one of

Sl. No.	Disease	Vaccine	Beneficiary	How many doses given ?
1.	Tetanus (Mother and New born)	Tetanus Toxoid Injection	Pregnant women	2 doses (or 1 booster dose if received 2 doses in previous pregnancy with in the last 3 years)
2.	Hepatitis B	Hep B vaccine Injection	At Birth <in 24 hours and as part of Pentavalent vaccine	Birth +3 doses
3.	Tuberculosis	BCG Injection	At birth or as early as possible till 1 year age	1 doses
4.	Polio	Oral Polio Vaccine Two drops orally	At Birth(with in 14 days), at 6,10 and 14weeks and a booster at 16-24 months age Also during Pulse Polio campaigns for all children below 5 years	Birth + 3 doses in first year + 1 booster (5 doses) Additionally all doses of OPV given as part of Pulse Polio campaigns

Government of India’s flagship National Programmes. Additionally Supplementary Immunization Activities (SIA) are organized to augment routine immunization through special Immunization Weeks as part of Mission Indradhanush which aims to cover the left out and drop out children. Some of the vaccines such as Oral Polio Vaccine (OPV), Japanese Encephalitis vaccine are also provided through mass vaccination campaigns to boost the immunization coverage in the community and to obtain better herd immunity.

5.	<p>Hepatitis B</p> <p>Haemophilus Influenzae b type</p> <p>Diphtheria</p> <p>Pertussis</p> <p>Tetanus (children)</p>	<p>Pentavalent vaccine against five diseases in the first year</p> <p>DPT vaccine for boosters</p> <p>TT Vaccine boosters</p>	<p>Pentavalent at 6, 10 and 14 weeks of age at</p> <p>DPT booster at 16-24 months age and at 5-6 years</p> <p>TT at 10 years and at 16 years age</p>	<p>Pentavalent vaccine 3 doses</p> <p>DPT 2 doses booster</p> <p>TT 2 doses booster</p>
6.	Measles	Measles vaccine injection	At 9 completed months till 12 months and again 16-24 months	Two doses
7.	Japanese Encephalitis (in select 10 districts only)	J.E. Injection	At 9 completed months till 12 months and again 16-24 months	Two doses
8.	Vitamin A	Oral supplementation	<p>First dose with Measles vaccine – 1 Lakh units</p> <p>8 doses at six monthly intervals till 5 years of age</p> <p>Each 2 lakh units</p>	1+ 8 doses

Vaccine Preventable Diseases and National Immunization

Schedule

Government of Karnataka is providing vaccines to pregnant women and children with an aim to prevent the following diseases.

Vitamin A supplementation is also provided along with vaccines.

Performance of Universal Immunization Programme

Vaccine Name	No. of Beneficiaries				
	2011-12	2012-13	2013-14	2014-15	2015-16
					(April to September)
BCG	1178976	1159252	1131948	1127020	546813
Pentavelent*	-	-	853719	1086558	547947
OPV	1115886	1127987	1057854	863393	432524
Measles	1062082	1085495	1030082	1044281	536199

DPT (Booster)	1130349	860455	894994	933998	490300
Polio (Booster)	1115886	850957	893404	930911	489903
TT (10Years)	777183	735010	703318	714250	429504
TT (16Years)	663688	677897	639792	670732	366488
TT (Mothers)	1259156	1245414	1195491	1208346	586138
Fully Immunized Children (%)	95	100	93	>100	63.00

Completing the Immunization as per the National Immunization schedule:

It is extremely important that the beneficiaries make use of the Immunization services and complete all the recommended doses to the pregnant women and children. The beneficiaries/ parents of children are hereby requested to note the schedule of visits to Immunization Session sites so that they may benefit from completing the age appropriate vaccinations.

1	8During pregnancy:	2 visits to Immunization sessions (to be clubbed with 4 visits
2	At Birth	Birth doses provided for Institutional Delivery