

UNIVERSAL IMMUNIZATION PROGRAMME

State Immunization Officer: Dr Lalmuanawma Jongte, Dy. Director.

Aims & Objective: The goal of UIP is to provide every child and pregnant woman protection from vaccine preventable diseases.¹

Immunization Programme in India was introduced in 1978 as 'Expanded Programme of Immunization' (EPI) by the Ministry of Health and Family Welfare, Government of India. In 1985, the programme was modified as 'Universal Immunization Programme' (UIP) to be implemented in phased manner to cover all districts in the country by 1989-90 with the one of largest health programme in the world.

Vaccines provided under UIP in Mizoram:

BCG - BCG stands for Bacillus Calmette-Guerin vaccine. It is given to infants to protect them from tubercular meningitis and disseminated TB.

OPV - OPV stands for Oral Polio Vaccine. It protects children from poliomyelitis.

Hepatitis B vaccine - Hepatitis B vaccine protects from Hepatitis B virus infection.

Pentavalent Vaccine - Pentavalent vaccine is a combined vaccine to protect children from five diseases Diphtheria, Tetanus, Pertussis, Haemophilis influenza type b infection and Hepatitis B.

Rotavirus Vaccine - RVV stands for Rotavirus vaccine. It gives protection to infants and children against rotavirus diarrhoea. It is given in select states.

fIPV - fIPV stands for Fractional Inactivated Poliomyelitis Vaccine. It is used to boost the protection against poliomyelitis.

Measles/ MR vaccine- Measles and Rubella a combined vaccine is given to protect from Measles and Rubella infection.

DPT booster - DPT is a combined vaccine; it protects children from Diphtheria, Tetanus and Pertussis.

Td - Tetanus toxoid and Adult diphtheria combination vaccine is used to provide protection against tetanus and diphtheria.

PCV- Pneumococcal Conjugated Vaccine give protection against pneumonia caused by Pneumococcal strain

Facilities and HR: The Programme is run at the state under the State Immunization Officer under which there are - Assistant State Immunization Officer, State Programme Manager, Cold Chain and Logistic Manager, Computer assistant and 2 IV grades.

State Vaccine Store: The state vaccine store now located at Directorate of Health Services, MINECO, Aizawl receive and hold vaccine for the whole state. It is run by 2 Health supervisor, 1 Health workers and 1 IV Grade.

State Workshop: Workshop for repair of cold chain equipment located at Directorate of Health Services, MINECO, Aizawl. It is run by 3 Cold chain Technician from Aizawl East, Aizawl West and Serchhip and 1 IV grades.

Districts: In each district there are designated District Immunization Officer and Computer Assistant. The district vaccine store are run by 1 or 2 health workers/supervisor (Cold chain Handlers). Each district has Cold chain Technician for maintenance of Cold Chain Equipment within the district.

CHC/PHC: At the CHC/PHCs, each Cold chain points are run by Medical Officer of the respective CH/PHC and a health worker/cold chain handler.

At the **Sub-centre level**, vaccines are given by The Health workers in their respective areas every month.

Partners: Universal Immunization Programme have various partners in implementation of the programme.

1. WHO
2. UNICEF

3. UNDP
4. JSI
5. JHPIEGO

Intensified Mission Indradhanush 5.0:

With the goal of Measles Rubella Elimination by December 2023 and overall improvement of Immunization Coverage, Intensified Mission Indradhanush 5.0 was conducted across the state since August 2023 to November 2023 for four rounds. As the Mission duration fall in the rainy season, the state decided to have an extra 4th round in November 2023 in addition to the three rounds planned by Ministry of Health and Family Welfare.

Achievement for the year 2023-2024 (April 2023 – March 2024)

1. Target	
a. Children (0-11months)	: 20564
b. Pregnant Women	: 22957
2. Full immunization Coverage	: 89.87%
3. Hepatitis B birth dose coverage	: 79.1%
4. Drop out	
a. Penta 1 to Penta 3	: 2.4%
b. Penta 3 to MR 1	: 6.6%
c. MR 1 to MR 2	: 7%
5. Td10 Coverage	: 15643

Issues:

1. Vacant Sub-centres in various districts
2. Poor road communication specially during rainy season

Future prospects:

1. Capacity building of Medical Officers on RI Manual for MO 2024
2. Capacity building of ANM/HW & ASHA on RI Strengthening & bridge
3. Upcoming IMI 6.0