

Rota Talk

NEWSLETTER

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Rotavirus vaccine with diluent, oral syringe and adapter

Message from Deputy Commissioner (Immunization), In-charge, MoHFW, Govt. of India

Diarrhoeal disease is one of the leading cause of under-five mortality globally as well as in India, and it is a known fact that Rotavirus is a major contributor of diarrhoeal disease. Vaccination against rotavirus is the most effective tool available to reduce morbidity and mortality related to rotavirus. The introduction of Rotavirus vaccine in India has widened the scope of Universal Immunization Program (UIP) in terms of providing protection to children from vaccine preventable diseases.



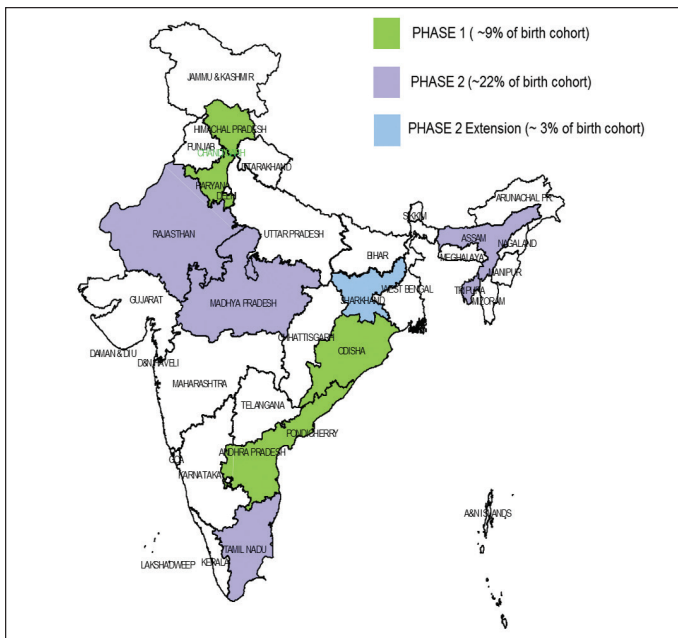
This "RotaTalk" Newsletter is an initiative of MoHFW with support from JSI to cover major achievements, activities and key highlights of Rotavirus vaccine introduction and related immunization activities in India

Dr. Pradeep Halder

MoHFW to introduce new type of Rotavirus vaccine

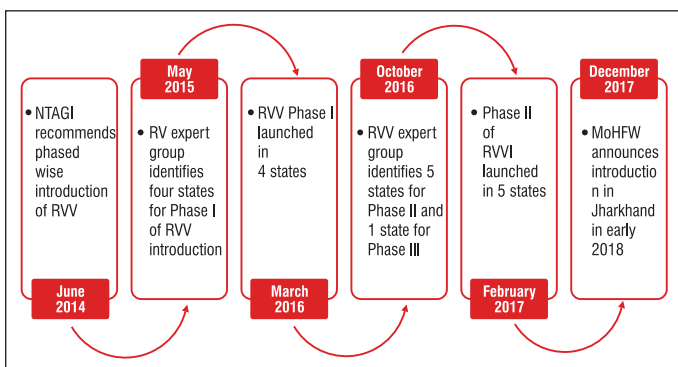
After the successful introduction of Rotavirus vaccine (RVV) in nine states of the country, now Ministry of Health and Family Welfare (MoHFW) has planned to introduce an oral, freeze dried Rotavirus vaccine under Universal Immunization Programme (UIP). The vaccine will be introduced in Jharkhand in the early part of 2018. This vaccine has to be reconstituted with a diluent before administration. Each dose is of 2.5 ml and is administered with the help of a 6-ml oral syringe supplied with the vaccine.

The vaccine is to be administered orally in 3 doses at 6, 10 and 14 weeks along with the other UIP vaccines. With the introduction of the Rotavirus vaccine in Jharkhand, an estimated 34% of the annual birth cohort of the country will now be covered.



| State | Date of roll out of RVV |
|------------------|---------------------------------|
| Phase I | |
| Andhra Pradesh | 22 nd April 2016 |
| Haryana | 13 th April 2016 |
| Himachal Pradesh | 15 th March 2016 |
| Odisha | 6 th April 2016 |
| Phase II | |
| Madhya Pradesh | 2 nd April 2017 |
| Assam | 14 th June 2017 |
| Tripura | 18 th Feb 2017 |
| Rajasthan | 23 rd March 2017 |
| Tamil Nadu | 17 th September 2017 |

Milestones of Rotavirus vaccine introduction in India



Rotavirus vaccine introduction- Experience from states



On 26th March 2016, India became the first country in Asia to launch indigenous rotavirus vaccine in the Universal Immunization Program (UIP). The vaccine was initially introduced in 4 states (Haryana, Himachal Pradesh, Odisha and Andhra Pradesh). In 2017, the vaccine was introduced in 5 more states- Assam, Madhya Pradesh, Rajasthan, Tripura and Tamil Nadu. On 18th February 2017, Hon'ble Minister

of Health and Family Welfare, Government of India, Shri JP Nadda formally set in motion this expansion of Rotavirus vaccine in 5 more states.

Capacity building of health staff is a key activity in new vaccine introduction. For RVV introduction, trainings on key elements like schedule, dosage, administration, cold chain and vaccine logistic management, adverse events following immunization (AEFI), social mobilization were conducted for medical officers, cold chain handler, auxiliary nurse midwife (ANM), accredited social health activist (ASHA) and anganwadi worker (AWW).

| Cadre | Trained in Phase I (Andhra Pradesh, Haryana, Himachal Pradesh, Odisha) | Trained in Phase II (Rajasthan, Tripura, Madhya Pradesh, Tamil Nadu, Assam) |
|---|--|---|
| Medical Officer (13682) | 2849 | 10833 |
| Cold Chain Handler (12693) | 4223 | 8470 |
| Auxillary Nurse Midwife (ANM) (110050) | 26544 | 83506 |
| Accredited Social Health Activist (ASHA) (186783) | 90525 | 96258 |
| Anganwadi Worker (AWW) (297101) | 112768 | 184333 |

In these nine states, the extensive trainings have not only helped in the successful roll out of the RVV but also had a positive impact on building the capacity of the health staff on the overall immunisation program.

»» Stories from the Field

Immunization Umbrella (Suraksha Chhatri) in Madhya Pradesh

Govt. of Madhya Pradesh developed and provided rainbow coloured "Immunization Umbrella" also called as "Suraksha Chhatri" to mobilizers (ASHA & AWW) during the Intensified Mission Indradhanush (IMI). This was part of an initiative by the state government to create community awareness on immunization and also at the same time enable the mobilizers to protect themselves from the sun and the rain. The clubbing of RVV with Pentavalent vaccine in the same colour reinforced the message that both the vaccines need to be given at the same visit following similar schedule.



Insight from Program Leaders

Dr. Mangla Sood, working as State Immunization Officer and Program Officer- Child Health for Government of Himachal Pradesh, is the nodal officer for Rotavirus vaccine introduction and its implementation in the state.

Himachal Pradesh (HP) was the first state to introduce Rota Virus Vaccine on 12th March 2016.



We utilized the New Vaccine Introduction (NVI) opportunity in overall strengthening of RI program of state. The experiences from RVVI were very much beneficial for state which were also used in Pneumococcal conjugate vaccine introduction in 2017. The hurdles and challenges were identified and planned actions were taken



JSI receives appreciation for their support to states in Rotavirus vaccine introduction

JSI provided techno managerial support to all the states who have introduced RVV. The state governments appreciated the efforts of the JSI teams in the introduction of RVV and also for supporting the state in overall strengthening of



JSI Tripura team with Mission Director, NHM, Tripura (From left to right- Dr. MS Chaudhary (SEPIO, Tripura), Dr. Shailesh Yadav (MD, NHM, Tripura), Dr. SN Bagchi, JSI and Mr Prabir Roy, JSI

the immunization health system for improving immunization coverage.



FIELD INNOVATIONS

AEFI management kits in Tamil Nadu

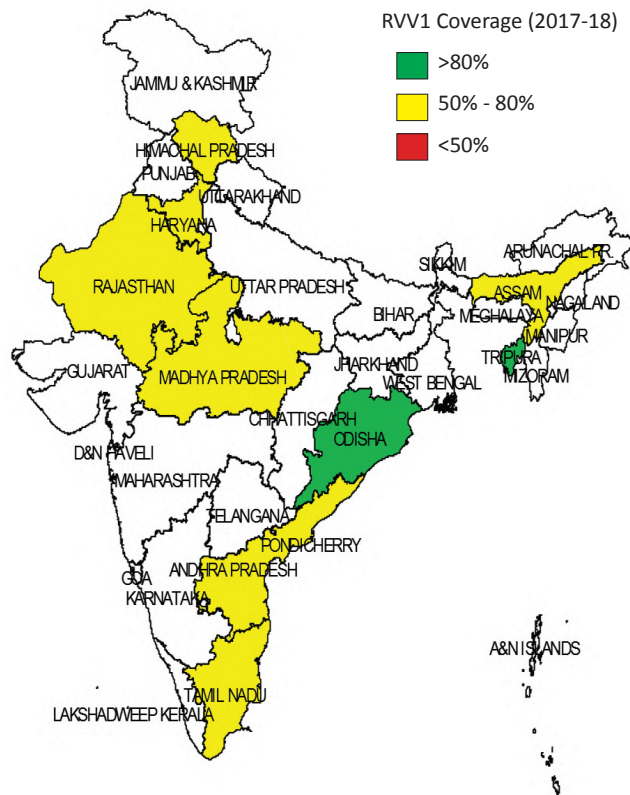


In order to manage the AEFIs especially serious AEFIs, it is essential to have a full stocked management kit in every health facility. To ensure that these drugs are readily available to the health care

functionaries, the Government of Tamil Nadu has developed a mechanism for providing their staff with all the essential drugs for management of AEFI in a brief case with dosage and schedule of the drugs pasted on it. This kit is easy to carry and all drugs are well arranged which ensures that any drug is readily available in case of emergency.

Rotavirus vaccine coverage dashboard

State wise and national coverage of Rotavirus vaccine for the period April – December 2017:



| Doses | Coverage for 9 states (in million) |
|--------------------------|------------------------------------|
| RVV 1 st dose | 3.86 |
| RVV 2 nd dose | 3.32 |
| RVV 3 rd dose | 2.97 |
| Total | 10.15 |

Source: HMIS data

Rota quick facts

Do you know?

- ✓ India is the 1st country in Asia to launch Rotavirus vaccine in the UIP
- ✓ Rotavirus vaccine has already been introduced in nine states of the country
- ✓ A new type of lyophilized Rotavirus vaccine is being introduced in Jharkhand

Mind Power Games

Match the following

- | | |
|--|----------------------|
| 1. Not a vaccine preventable disease | a. PCV |
| 2. Should be avoided in immunocompromised patients | b. Asthma |
| 3. Orally administered vaccine | c. Live vaccines |
| 4. Vaccine preventable disease | d. Measles |
| 5. Vaccine which prevents pneumonia | e. Rotavirus vaccine |

Answers:-

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