



# NATIONAL COLD CHAIN & VACCINE MANAGEMENT RESOURCE CENTRE (NCCVMRC)

*A joint initiative of the Ministry of Health & Family Welfare,  
the National Institute of Health & Family Welfare  
& UNICEF*



आरोग्यं सुखसम्पदा

**NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE**



The National Cold Chain & Vaccine Management Resource Centre (NCCVMRC) was conceptualized in 2011 as an apex resource centre for the Government of India placed in the National Institute of Health & Family Welfare (NIHFW).

The necessary approvals from the Government of India were obtained in 2011-12. The NCCVMRC was established in 2013 as a joint initiative of the Ministry of Health & Family Welfare (MoHFW), NIHFW and UNICEF. Subsequently, funds for building and infrastructure were placed with NIHFW by the MoHFW and physical construction of the centre started in 2013-14. The newly built centre was formally inaugurated by the Union Minister of Health & Family Welfare, Government of India, on 9<sup>th</sup> March 2015.

Currently, NCCVMRC derives its establishment and operational costs from the Government of India with financing of certain key positions and activities from GAVI-HSS. There are 15 staff currently engaged at NCCVMRC with 9 positions financed by the Government of India and 6 positions by GAVI-HSS, through UNICEF.

The NCCVMRC is placed under the direct supervision of the Nodal Officer (Immunization), NIHFW with functional oversight provided by the Immunization Division, Ministry of Health & Family Welfare. Technical and financial support for GAVI-HSS activities is provided through UNICEF.

The NCCVMRC is managed by a Coordinator with a multi-disciplinary team involving vaccine managers, training & research experts, cold chain professionals, technicians, software developers, data analysts and admin/ finance staff. All activities are planned annually and approved by the MoH&FW before execution.

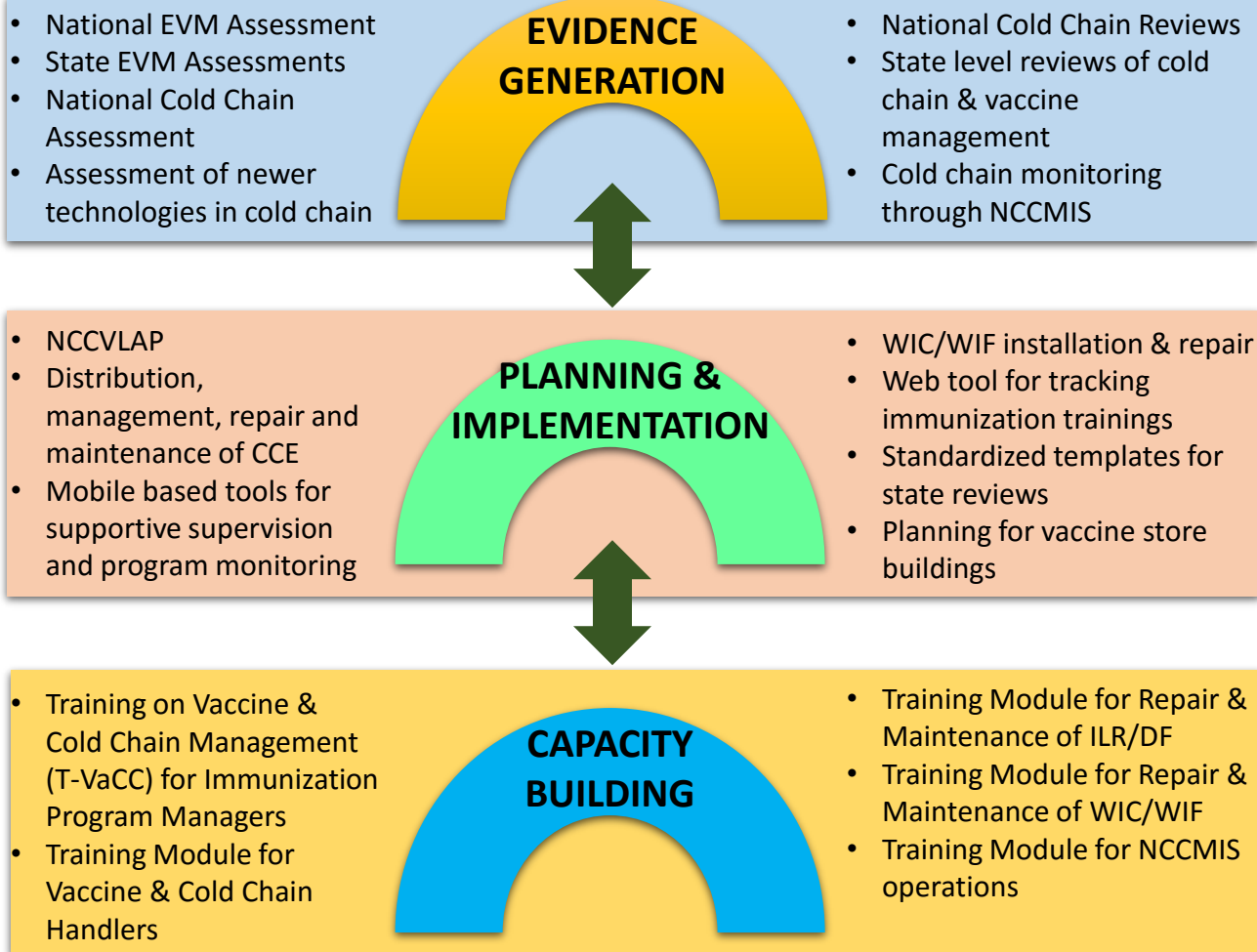
Vision

NCCVMRC will facilitate the establishment of a high quality, effective and efficient immunization supply chain in India to ensure universal immunization coverage with safe and potent vaccines.

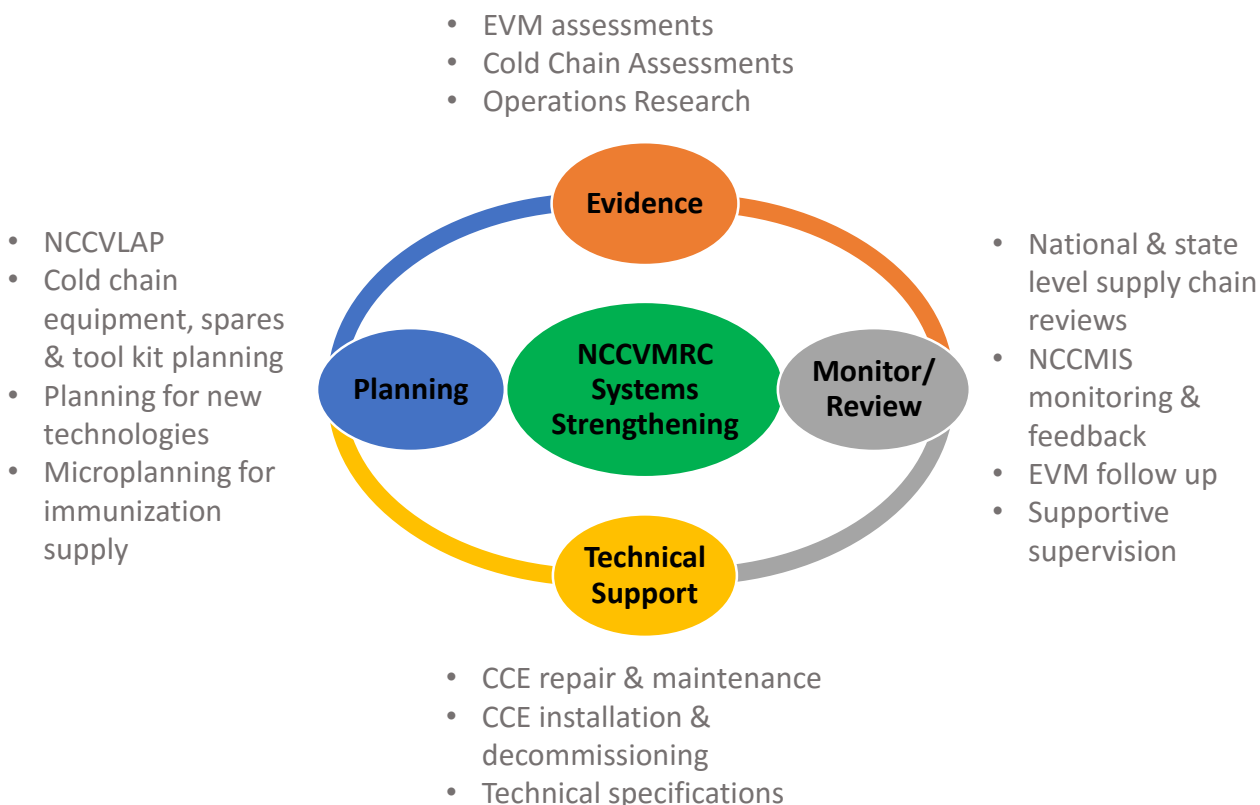
Mission

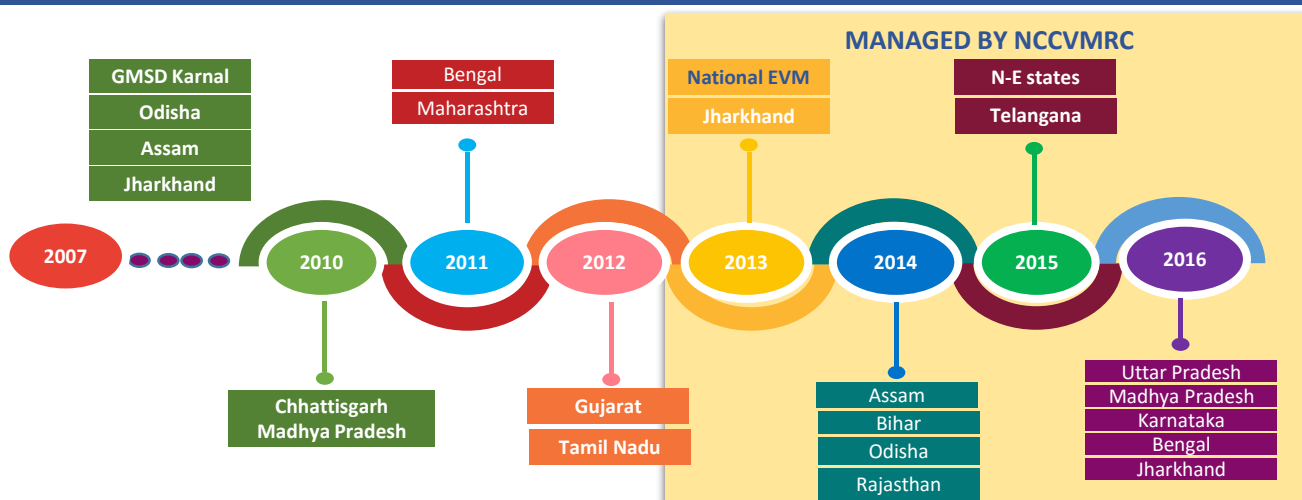
Provide technical support for all cold chain & vaccine management initiatives at the national/ international level as per the directives of the Ministry of Health & Family Welfare, Government of India	Enhance the capacity of all staff, program managers and policy makers in the country to run an effective and efficient immunization supply chain	Ensure the development of a comprehensive and integrated monitoring system across all levels of the immunization supply chain in the country	Function as the nodal resource centre for all immunization supply chain related research, training, planning and policy initiatives in India
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## ACTIVITIES

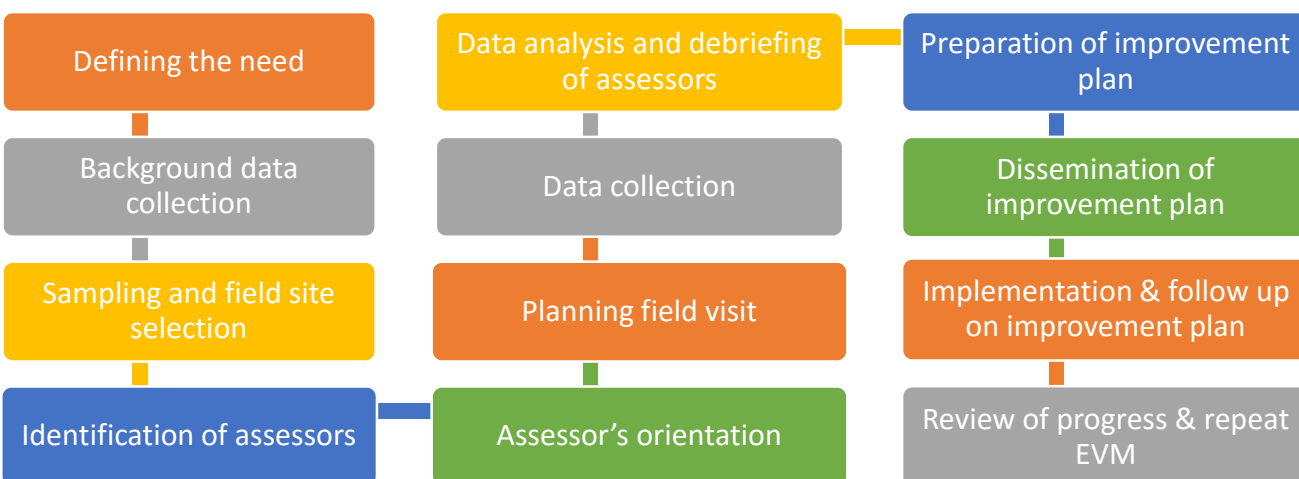


The NCCVMRC looks at all activities through a system strengthening lens and believes in contributing towards a holistic improvement in the immunization supply chain through appropriate interventions at each link of the systems strengthening approach

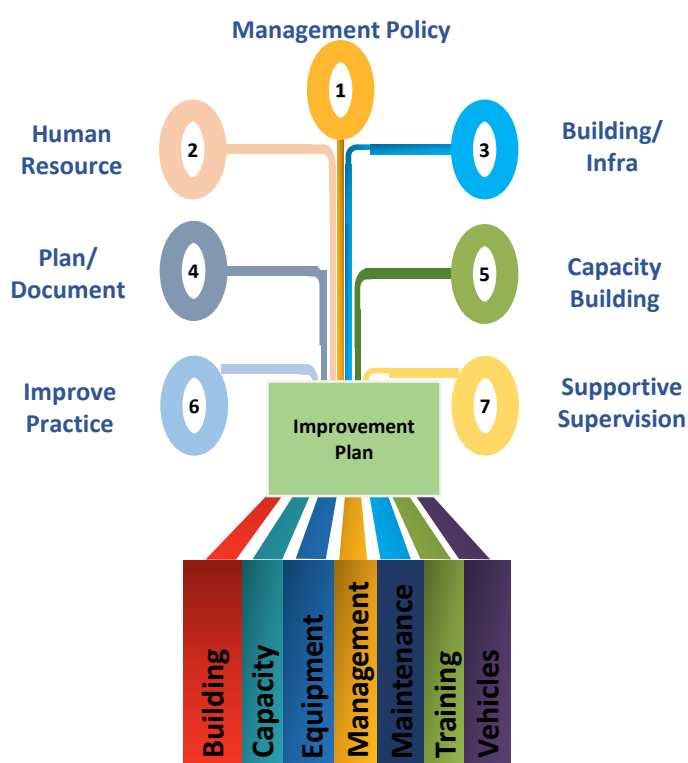




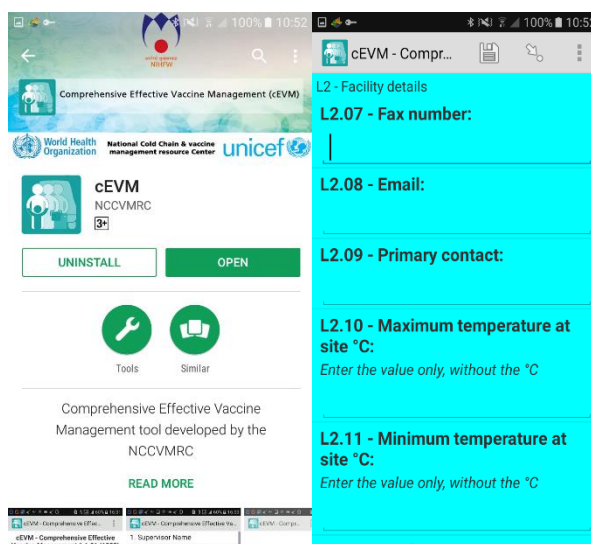
## OUR APPROACH TO A COMPREHENSIVE EFFECTIVE VACCINE MANAGEMENT ASSESSMENT



## OUR IMPROVEMENT PLAN PARAMETERS



## OUR EVM TOOLS



NCCVMRC believes in an end to end comprehensive EVM assessment with technology aids to facilitate the entire process and deliver quality outputs in a reasonable timeframe



The Training on Vaccine & Cold Chain Management (T-VaCC) is conceptualized as skill multiplier for immunization program managers to better plan and manage their vaccine cold chain systems. It is a management oriented training for mid level immunization program managers, especially those involved with the immunization supply chain.

## Objectives

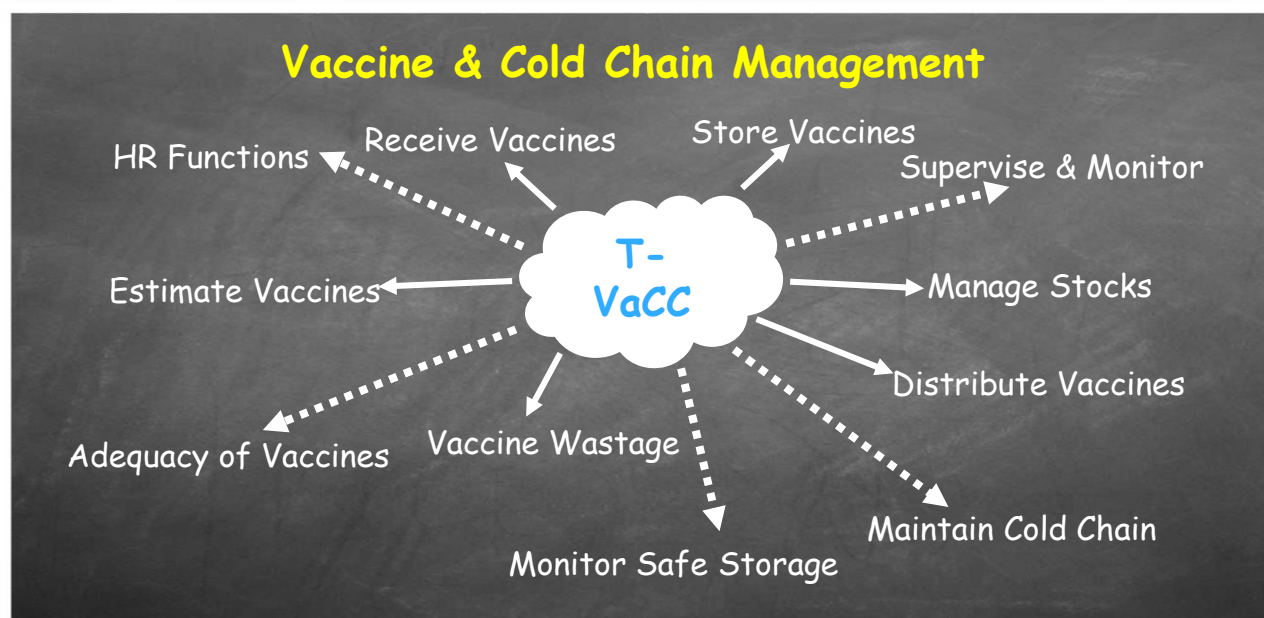
Equip participants with the skill to identify managerial issues in Vaccine & Cold Chain Management

Enhance the ability of participants to manage real-world issues in Vaccine & Cold Chain Management

Ensure understanding of participants about end-to-end vaccine management through a vaccine life cycle approach

Enable participants to effectively handle the Vaccine & Cold Chain Management ecosystem

## Contents



## Methodology



**Case Study**



**Discussion**



**Group Work**






**Field Visit**

T-VaCC is appropriate for Immunization policy makers, planners and program managers at national and sub-national levels along with staff from international organizations involved with the immunization program, especially the supply chain. The training fee per participant is US\$ 500. The training fee is inclusive of tuition fees, field visit, training materials and lunch with tea / coffee twice a day. The training fee does not include travel expenses, accommodation, breakfast and dinner.

The Vaccine & Cold Chain Handler's Module was first introduced in 2010 by the Ministry of Health & Family Welfare with technical support from UNICEF. Subsequently, all vaccine & cold chain handler's were trained on this module over a 4 year period.


NCCVMRC was tasked with coming out with the 2<sup>nd</sup> edition of this module, which was successfully completed in 2015-16.

As part of the roll out process for this module, NCCVMRC undertook the national training of state level trainers. More than 200 state level trainers were trained by NCCVMRC in 8 batches across 3 months. These trainers are involved with cascading the training down to district and sub district levels. NCCVMRC is also involved with monitoring of the training process at state level. The tracking of the training process is maintained through the Immunization Training MIS (ITMIS) by NCCVMRC.



### Handbook for Vaccine & Cold Chain Handlers

2nd edition  
India 2016



Immunization Division  
Ministry of Health and Family Welfare  
Government of India

## Contents

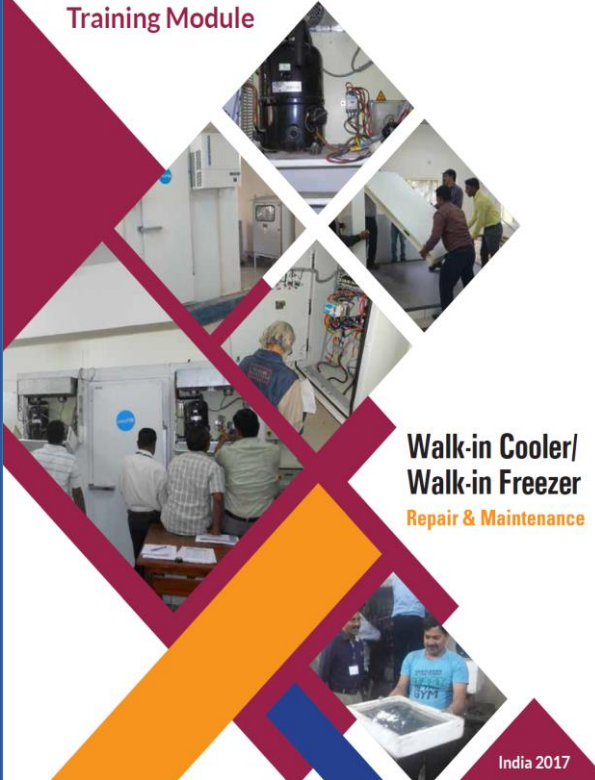
- Introduction
- Cold Chain System
- Cold Chain Equipment
- Temperature Monitoring
- Maintenance of Cold Chain Equipment
- Vaccine Storage & Distribution
- Last Cold Chain Point
- AEFI and Immunization Waste Management
- Documentation, Reporting and MIS







### Training Module



### Walk-in Cooler/ Walk-in Freezer Repair & Maintenance

India 2017

NCCVMRC offers a 7 day modular training on repair & maintenance of Cold Rooms/ Freezer Rooms and Freezers/ Refrigerators along with its collaborative institute, the National Cold Chain Resource Centre at Pune, Maharashtra.

Initially, there is a grounding on the basic principles of refrigeration which is followed by a hands on training on repair & maintenance using live equipment. The training incorporates classroom teaching, hands on practice and management scenarios as part of its methodology.

The training batch includes 20 – 25 participants with 4 – 5 facilitators with English as the medium of communication.

The training contents can be customized based on the participating countries.



20 03 2017



20 03 2017



25 03 2017

NCCVMRC and NCCRC have trained more than 300 technicians on equipment repair & maintenance.

NCCRC has also hosted international batches from Bhutan and Afghanistan.



24 03 2017



22 03 2017



The National Institute of Health and Family Welfare was established on 9th March, 1977. The NIHFw, an autonomous organization, under the Ministry of Health and Family Welfare, Government of India, acts as an 'apex technical institute' as well as a 'think tank' for the promotion of health and family welfare programs in the country.

The Institute addresses a wide range of issues on health and family welfare through the departments of Communication, Community Health Administration, Education and Training, Epidemiology, Management Sciences, Medical Care and Hospital Administration, Population Genetics and Human Development, Planning and Evaluation, Reproductive Bio-Medicine, Statistics and Demography and Social Sciences



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