The Republic of the Union of Myanmar

<table>
<thead>
<tr>
<th>Total Population</th>
<th>54,164,262</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth cohort (2015)</td>
<td>903,782</td>
</tr>
<tr>
<td>Surviving Infants</td>
<td>861,265</td>
</tr>
<tr>
<td>Infant mortality rate</td>
<td>40/1000</td>
</tr>
<tr>
<td>Sub-National (State / Region)</td>
<td>17</td>
</tr>
<tr>
<td>No. of districts/territories</td>
<td>330</td>
</tr>
<tr>
<td>MR Campaign Target</td>
<td>13,979,006</td>
</tr>
</tbody>
</table>
EPI Supply Chain System in Myanmar

Central
- Walk In Cooler/Walk In Freezer
- Ice Pack Freezers

Regional

Central Cold Room
Regional Sub Depots
Township Cold Room
Station Hospital/RHC
Sub RHC

Cold Chain space at all level can accommodate target of 9-59 months age group including routine stock

9 Antigens in National Immunization Schedule
## Phasing Myanmar MR Campaign

<table>
<thead>
<tr>
<th>Phase</th>
<th>Period</th>
<th>Strategy</th>
<th>Age range or other characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase I</td>
<td>19-27</td>
<td>School</td>
<td>&gt; 5 to 15 years</td>
</tr>
</tbody>
</table>

The main reason for the phased campaign is limitation of COLD CHAIN SPACE at all levels of Health Facility.

- Children
- Left out from school campaign
Nationwide Measles-Rubella Campaign (2015)

Phase-1 School Phase

Phase-2 Community Phase
Central and Regional Committees

- Managed by Central Executive Committee

Regional Management Committee

Subcommittee

- Technical Advisory Committee

Social Mobilization Subcommittee

Logistic Management Subcommittee

Financial Management Subcommittee

Conduct Advocacy Meetings

- Central Advocacy
- Regional Advocacy
- Township Level Training
- Advocacy to Ministry of Education
- Advocacy to Myanmar Medical Association
- MMCWA, INGO
- UN Agencies
Coordinating Meeting/Training for Logistic Management

Central Executive Committee

Sub -Committee

INGO/NGO Advocacy

Township Level Technical Training
Challenges for MR catch up campaign and MR vaccine introduction

- Existing School based immunization programme- not established
- Immunization programme in out of school adolescents
- Phased wise programme with high Target
- Operation in Social Conflict Areas / Physically Hard to Reach Areas
- Operation in Special Regions
Physical Barriers for Supply Distribution
# Challenges for MR Campaign Logistic Management

Logistic Management Subcommittee finds solutions

<table>
<thead>
<tr>
<th>Challenge</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource Limitation</td>
<td>Recruit Temporary Staff</td>
</tr>
<tr>
<td>Limitation of Central Medical Sub-Depot Staff</td>
<td>Temporary Logistician Recruited</td>
</tr>
<tr>
<td>Custom Clearance for huge supply</td>
<td>Hire Private Agent</td>
</tr>
<tr>
<td>Shortage Vaccine Store Capacity</td>
<td></td>
</tr>
<tr>
<td>Central</td>
<td>Install 2 WIC/2WIF</td>
</tr>
<tr>
<td>Regional</td>
<td>Install 2 WIC/WIF (Expand the Building)</td>
</tr>
<tr>
<td>Township</td>
<td>Install (131) ILRs (133) Freezers</td>
</tr>
<tr>
<td></td>
<td>Install (17) Solar Refrigerators</td>
</tr>
</tbody>
</table>
### Challenges for MR Campaign Logistic Management (2)

Logistic Management Subcommittee finds solutions to the following challenges:

<table>
<thead>
<tr>
<th>Challenge</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expansion of Vaccine Containers</td>
<td>Vaccine Carrier (11139)</td>
</tr>
<tr>
<td></td>
<td>Plastic Container (21636)</td>
</tr>
<tr>
<td></td>
<td>RCW-12 Cold Box (249)</td>
</tr>
<tr>
<td></td>
<td>RCW-25 Cold Box (1016)</td>
</tr>
<tr>
<td></td>
<td>AVR-363 No.</td>
</tr>
<tr>
<td>Warehouse Capacity (Dry Store)</td>
<td>Temporary Warehouse Hiring</td>
</tr>
<tr>
<td>Central</td>
<td>Direct Shipment of Shipping Container (from port to...</td>
</tr>
<tr>
<td>Regional</td>
<td></td>
</tr>
<tr>
<td>Record and Return with CMSD</td>
<td>Paper Transaction only</td>
</tr>
</tbody>
</table>
Steps toward optimal supply management

- Country is in the process of cold chain expansion plan for new vaccine introduction (Scenario Based)
- Integrated supply chain management SCMS supported by USAID
- EVM in 2011 and ongoing EVM in 2015 May
- National Immunization Programme Gap analysis for MR Campaign Surge capacity
- Cold Chain Inventory update
- Development of cold chain investment plan assisted by Consultant Mr. Ticky
Vaccine and Logistics Distribution

Dry Stock Preparation

New Cold Chain Facility Expansion
Myanmar Measles Rubella campaign

Effort for Effective Supply Management
Coordination for MR Campaign

- Technical working group was formed with the participation of other sections of Department of Health including BHS, School Health, Child Health, Health Education Bureau and Department of Health Planning
  - with coordinated group- WHO and UNICEF (every week)
  - coordination with Education Department (every month)
  - National Committee for Immunization Practice (July, September & October 2014)

- Interagency coordination committee meeting was conducted two times in May and September 2014 and discussed on demographics and campaign management
Preparation - National level

- Basic Health Staff guidelines for SIAs
- micro planning tools
- Master lists, tally sheets, reporting forms, AEFI forms, Supervisory checklists for both Education and Health personnel for both pre campaign and during campaign developed, printed and started distributing
- Central level training was conducted with Region and State level Health Directors, Team leaders of special diseases control units and EPI focal persons
Preparation - Regions/States level

Third and Forth week of November

- Region/States level advocacy meeting and coordinating meeting
- Region/States level training of TMOs were being conducted.
Preparation - Township level

- Township level advocacy meeting and coordinating meeting
- Master listing or registration of eligible, both in school and community have been done.
- Training of Basic Health Staff - conducted at the end of November and first week of December.
Vaccines

- Order placed for the purchase of vaccines injection devices and safety boxes by UNICEF.

- Vaccines are arriving in three shipments
  - First shipment in the first week of December (50%)-arrived
  - Second shipment in the last week of December (30%)
  - Third shipment in mid-January 2015 (20%)
Cold Chain Equipment

- Cold chain requirements by sub-depots and townships are calculated after updated inventory by townships.

**September and last week of October 2014**

- Vaccine carriers and cold boxes arrived

**Third week of November 2014**

- VC and cold boxes are under distribution
- ILR and freezers
- WIC, WIF
- Freeze tags and Fridge tags arrived and under distribution
- Construction and installation of WIC and WIF by private enterprise
Logistics

- Injection devices and safety boxes arrived in shipping containers.
- Distributed to Regions and States
Lesson learn and Way forward

- Strengthening supply chain management based on the lesson learn from MR campaign
- Outsourcing the supply management
- Plan for Human capacity buildup for management of supply chain
- Cold chain based on WHO-UNICEF
- Web based supply tracking system