

The Republic of the Union of Myanmar



Total Population	54,164,262
Birth cohort (2015)	903,782
Surviving Infants	861,265
Infant mortality rate	40/1000
Sub-National (State / Region)	17
No. of districts/territories	330
MR Campaign Target	13,979,006



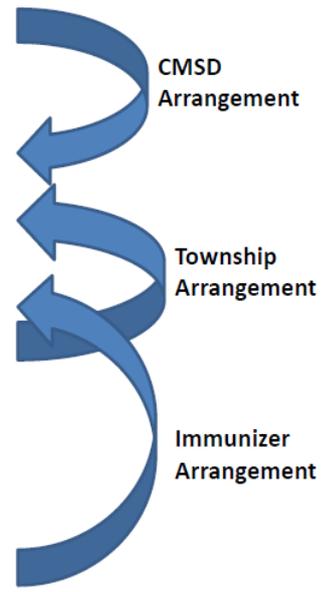
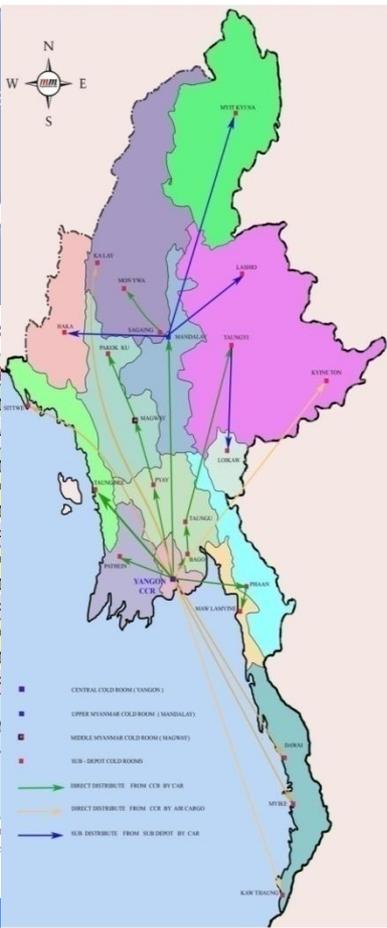
EPI Supply Chain System in Myanmar



Central

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

Regional



ပုံမှန်ကာကွယ်ဆေးထိုးဆေးတိုက်ခြင်းအစီအစဉ်

အကြိမ်/အသက်	ကာကွယ်ဆေး	ကာကွယ်ဆေး
မွေးပြီးပြီးချင်း	ဘီစီဂီ* အသည့်ခရောင်အသားခါ(ဘီ)	ဦးခနောက်တီဘီဓရ အသည့်ခရောင်အသ
ပထမအကြိမ် (၂လ)	ဘီစီဂီ* ဆ-က-မ၊ အသည့်ခရောင်အသားခါ(ဘီ)၊ ဦးခနောက် အဝမ်းရောင်၊ အရောင်ရောင် (ဝါးဖျိစင်ကာကွယ်ဆေး) - ဝ	ဦးခနောက်တီဘီဓရ ဆုံဆုံနာ၊ ကြက်ညှာ ဦးခနောက်အဝမ်းရောင်
ဒုတိယအကြိမ် (၄လ)	ဆ-က-မ၊ အသည့်ခရောင်အသားခါ(ဘီ)၊ ဦးခနောက် အဝမ်းရောင်၊ အရောင်ရောင် (ဝါးဖျိစင်ကာကွယ်ဆေး) - ဝ	ဦးခနောက်အဝမ်းရောင်
တတိယအကြိမ် (၆လ)	ဆ-က-မ၊ အသည့်ခရောင်အသားခါ(ဘီ)၊ ဦးခနောက် အဝမ်းရောင်၊ အရောင်ရောင် (ဝါးဖျိစင်ကာကွယ်ဆေး) - ၂	ဆုံဆုံနာ၊ ကြက်ညှာ ဦးခနောက်အဝမ်းရောင်
စတုတ္ထအကြိမ် (၉လ)	ဆ-က-မ၊ အသည့်ခရောင်အသားခါ(ဘီ)၊ ဦးခနောက် အဝမ်းရောင်၊ အရောင်ရောင် (ဝါးဖျိစင်ကာကွယ်ဆေး) - ၃	ဆုံဆုံနာ၊ ကြက်ညှာ ဦးခနောက်အဝမ်းရောင်
ပဉ္စမအကြိမ် (၁နှစ်ခွဲ)	ဝက်သက် - ဂျက်သိုး	ဝက်သက်ရောင်၊ ဂျက်
	ဝက်သက်	ဝက်သက်ရောင်

*ဘီစီဂီကာကွယ်ဆေးကို မွေးရက်မှ ၂၄ နာရီအတွင်း အသည့်ခရောင်အသားခါ(ဘီ)ကာကွယ်ဆေးထိုး
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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



Phase	Period	Strategy	Age range or other characteristics
Phase I	19-27	School	> 5 to 15 years
The main reason for (2) Phased campaign is limitation of COLD CHAIN SPACE at all level of Health Facility.			
			children <ul style="list-style-type: none">● Left out from school campaign

Nationwide Measles-Rubella Campaign (2015)



Phase-1 School Phase



Phase-2 Community Phase



Campaign Management Committees



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 find solution



Challenge	Solution
<u>Human Resource Limitation</u>	Recruit Temporary Staff
<u>Limitation of Central Medical Sub-Depot Staff</u>	Temporary Logistician Recruited
<u>Custom Clearance for huge supply</u>	Hire Private Agent
<u>Shortage Vaccine Store Capacity</u>	
Central	Install 2 WIC/2WIF
Regional	Install 2 WIC/WIF (Expand the Building)
Township	Install (131) ILRs (133) Freezers
	Install (17) Solar Refrigerators

Challenges for MR Campaign Logistic Management(2)

Logistic Management Subcommittee find solution



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

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 first week of December (50%)-arrived
 - Second shipment in the last week of December (30%) and
 - 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**