



Ministry of Health and Sports



TWG meeting on Development of Research Agenda Workshop for EPI

Research agenda according to the HSS 2 objectives





Background

- **Research Agenda Development for EPI (2018-2020) meeting was conducted on 21st May 2018 at Office 47, Department of Public Health, Naypyitaw**
- **The participants were**
 - NITAG chair and members
 - Representatives from Department of Public Health
 - Representatives from Department of Human Resource for Health
 - Representatives from Medical Research
 - Representatives from National Health Laboratory
 - Representatives from Medical Universities
 - Representatives from WHO, UNICEF and PATH





Background contd.

- Focused the needs of research on five areas of National Immunization Programme
 - Program Management and Financing
 - Service Delivery
 - Data management and information
 - Vaccine supply, quality and logistics
 - Surveillance and Monitoring

And global research agenda which were globally published and carried out on different components of Immunization Programme through out the world



Proposed research titles for Program management and financing



No	Title	Type of research	Status	Objectives
1	Budget impact analysis of new vaccines/ routine immunization (Universal/ fixed point/etc)	Economic study	Have not started	? 3
2	Immunization Strategies and Actions in Areas of High Seasonal Population Fluctuations: Gaps and Disparities at the sub-national level of Myanmar	IR	Have not started	4
3	Barriers and challenges – fixed posts at township level facilities	Exploratory study	Have not started	4
4	Application of QGIS in estimating outreach costs and township micro-planning:Evidence generation for government budget allocation on outreach costs*	IR	Ongoing (Protocol under development)	3, 4
5	Sustainable public financing for immunization (both economics and epidemiology evidences)*	Policy brief development	Have not started	3, 5
6	Feasibility study on mandatory immunization at school entry	Exploratory study	Ongoing	4
7	Effectiveness of integrated HPV vaccination and community based cervical cancer screening program	Comparative	Have not started	4
8	Impact and opportunity of NITAG	Exploratory study	Have not started	3

Proposed title for Services Delivery



No	Title	Type of research	Status	Objectives
1	Identification of supply side bottle-neck to improve immunization services utilization in selected low performance townships	IR	Have not started	4
2	Assessment of knowledge, attitude and perceived barriers towards children immunization among woman in urban and rural areas in selected township	Basic Research	On going	1
3	Reasons for refusing vaccination by parents living in peri-urban areas	Basic Research	Have not started	1 (might be part of KAP)
4	Exploring strategies to improve immunization coverage in migrants population in Yangon region	Exploratory Research	Have not started	1, 4
5	Operational cost analysis on outreach immunization sessions	Operational research	Have not started	3, 4
6	Exploration of task sharing in rota vaccine introduction to EHOs/AMWs/CHWs/ Volunteers (improve coverage, safety and compliance of vaccine)	Exploratory study	Have not started	3, 4
7	Exploration of service delivery points for HPV vaccination among teenagers (10-13 yrs) in Myanmar (Area change? No longer relevance)	Basic Research	Have not started	4



Proposed title for vaccine supply, cold chain and logistics

No	Title	Type of research	Status	Objectives
1	Evaluation of Current knowledge, attitude and practice of cold chain key persons (CCKPs)	Cross sectional descriptive study	On going	2
2	A study on temperature and stock management of EPI vaccines	Cross sectional descriptive study	Have not started	2
3	A Comparative study on Hepatitis B vaccination with cold chain and out of cold chain	Quasi Experimental Prospective Study	Have not started	2, 4

Proposed title for Surveillance and Monitoring



No	Title	Type of research	Status	Objectives
1	Association between Rotavirus vaccine introduction and admission of seizure cases (?Indirect effect of RV on reducing seizures) in Myanmar	Clinical	Have not started	5
2	Trend of serious AEFI admissions and their causality assessment at YCH and YKCH		Have not started	5
3	Prevalence study of HBV infection among children under 5 years of age	Liver foundation	Have not started	5
4	Population immunity profile against diphtheria and other antigens (among children of under 5, under10 and under15 years of age) + coverage survey		Ongoing	5
5	Immunity profile against Rubella among adolescents and/ young adults	EPI	Have not started	5
6	Molecular Characterization of Invasive Pneumococcal/Bacterial disease	Clinical	Have not started	5
7	Missed opportunities for vaccination among children with severe pneumonia at YCH and/or YKCH	Implementation Research	Have not started	4
9	Technical gaps in adherence to WHO ARV 2012 Guideline in Rabies Highly Endemic Areas	Implementation Research	Have not started	3



Proposed titles for advocacy and communication



No	Title	Type of research	Status	Objectives
1	Community's demand generation for routine immunization by using PLA/ Human Center Design	Exploratory Qualitative Study	Have not started	1
2	Identification of KAPB, access, barriers and communication gap in EPI low coverage areas	IR	Ongoing	1
3	Holistic review on available IEC materials on EPI	IR	Have not started	1
4	Stakeholder Analysis on EPI services	OR	Have not started	3
5	KAP on Measles and Rubella infection among mothers of under 5 years children	IR	Have not started	1
6	Factors related to advocating legislative and financial commitment for EPI	Exploratory Qualitative Study	Have not started	3



Proposed titles to meet regional vaccine action plan (Routine immunization system and services are strengthened)



No	Title	Type of research	Status	Objectives
1	Equity analysis on DPT3 coverage in DHS 2016		?? Published by (JICA)	5
2	Reasons for low immunization coverage (in selected States/ Regions)		Have not started	4, 5
3	Implementation research on assessment of immunization services through 98 hospitals	Implement-taion research	On going	3, 4
4	Feasibility of expansion of fixed posts in 29 urban townships (Feasibility – no longer relevance, challenges and opportunities – m/b areas to be considered)	Operational research	Have not started	3, 4
5	Effective utilization of cold chain at township level and below township level in one state/level	Implement-taion research	Have not started	2
6	Feasibility study of effective utilization of (5) cold chain points extended from cell phone tower in Ayeyarwady Region	Implement-taion research	Ongoing	2
7	Situational analysis of Diphtheria in 2017 and 2018		Ongoing data analysis (not research)	5

Proposed titles to meet regional vaccine action plan (Measles is eliminated and Rubella and Congenital Rubella Syndrome controlled)



No	Title	Status	Objectives
1	Vaccine efficacy of measles containing vaccine currently using in Myanmar/ used in 2017-2018	Have not started	2
2	Situational analysis of measles outbreak in 2020	Done up to 2018	5
3	Barriers for unmet surveillance indicator of measles and rubella surveillance	Have not started	5



Proposed titles to meet regional vaccine action plan (Polio- free status is maintained)



No	Title	Type of research	Status	Objectives
1	Effectiveness of RSO system in vaccine preventable diseases (VPD) surveillance network		Have not started	3
2	Feasibility and cost effectiveness of pharmajet for of IPV in Yangon Children Hospital (Relevance – to be checked since IPV supply increases globally)	Exploratory study	Have not started	2, 3, 4



Proposed titles to meet regional vaccine action plan (Elimination of maternal and neonatal tetanus is sustained)



No	Title	Type of research	Status	Objectives
1	Reasons for incomplete immunization against tetanus during pregnancy	Implementation research	Have not started	4



Proposed titles to meet regional vaccine action plan (Control of Japanese Encephalitis is accelerated)



No	Title	Type of research	Status	Objectives
1	Impact study of JE vaccine introduction and JE catch up campaign among 9 months to 15 years of age in 2017	Impact study	Have not started (to check for other studies)	5
2	Study in distribution of JE case in pocket of low immunization coverage in SIA and routine immunization	Impact study	Have not started	5

Proposed titles to meet regional vaccine action plan (Control of Hepatitis B is accelerated)



No	Title	Type of research	Status	Objectives
1	Feasibility Study of hepatitis B birth dose vaccination using controlled temperature chain (out of cold chain)	Basic Research	Have not started	2
2	Seroprevalence of HBsAg among 5 years old children at National Level		Have not started	5

Proposed titles to meet regional vaccine action plan (Introduction of new vaccines and related technologies accelerated)



No	Title	Type of research	Status	Objectives
1	Cost effectiveness study of Rota virus vaccine		Have not started	3
2	Economic study of hospitalized severe diarrhoea among under 5 children	Economic Analysis	Have not started	3
3	Rota Virus surveillance		(Ongoing) DMR	5
4	Sentinel surveillance of Intussusceptions among children before Rotavirus vaccine introduction		(Ongoing) DMR	5



Proposed titles to meet regional vaccine action plan (Access to high quality vaccine is ensured)



No	Title	Type of research	Status	
1	Cost analysis of vaccine cost in routine immunization after 2025 (?for sustainability)		not started	3
2	Assessment on functionality of National Regulatory Authority (NRA)		not started	3
3	Assessment of quality of training		not started	3
4	Implementation research on feasibility of school entry	IR	On going	4
5	Impact study on MR vaccine to health care worker	Impact study	not started	5
6	Impact on seasonal influenza vaccine introduction to health care worker	Impact study	not started	5
7	Implementation research on feasibility of microplanning	IR	not started	4
8	Audience insights on cEPI official facebook page: lesson learned and best practices in reaching intended audience with vaccination messages	Qualitative and Facebook/ google/ hootsuite analytics	not started	1
9	Assessment on effectiveness of routine immunization posters	Qualitative (individualinterviews/ FDG)	not started	1
10	Post introduction evaluation on Japanese Encephalitis vaccine	PIE study	Done	All
11	Post introduction evaluation on Rota virus vaccine	PIE study	not started	All
12	Post introduction evaluation on Human Papilloma Virus	PIE study	not started	All



cEPI would like to propose research according to Gavi objectives

Objectives	Responsible from cEPI	Responsible from S/R
Objective 1 - To strengthen demand for immunization services	Dr HNNA (AD)	Dr. CNA, Dr. KTS, Dr. SWP, Dr. KTK, Dr. HHA
Objective 2 - To implement cold chain expansion and improvement plan	Dr ANO (DD)	Dr. ZLK, Dr. LHO, Dr. TSM, Dr. SMK, Dr. YN
Objective 3 - To strengthen leadership management capacity and coordination	Dr NNC (AD)	Dr. TTH, Dr. KMT, Dr. THT, Dr. WTYM, Dr. LHA
Objective 4 - To improve equitable access to service delivery	Dr HEP (AD)	Dr. WPPH, Dr. MPPA, Dr. MKT, Dr. YLN, Dr. ZWK
Objective 5 - To strengthen EPI data management, Monitoring and Evaluation system	Dr AMCT (AD)	Dr. MNY, Dr. BNN, Dr. KKN, Dr. PZP, Dr. AKT





Thank you for your kind attention





Questions, comments and suggestion