

COE “Workshop series for strengthening capacity to manage child and adolescent TB”

Session 4: South-to-South Sharing

Date: October 6, 2022

Moderator: John Paul Dongo



Session 4 Agenda (Cohort 1)



- 1) Quick round of introductions (All)
- 2) Session 3 recap (John Paul Dongo)
- 3) Session 4 outline (Brittany Moore)
- 4) Presentation on successful capacity-building strategies used in other countries and public health programs (FETP and AFENET)
- 5) Discussion (All)
- 5) Closing remarks (Riitta Dlodlo)

Remind ourselves - who is present for session 4!

- Quick round of introductions (*Name, Organisation/Country and position title*)
- The Union
- CDC
- Member countries
 - Tanzania
 - Mozambique
- AFENET
- FETP

COE Union Team



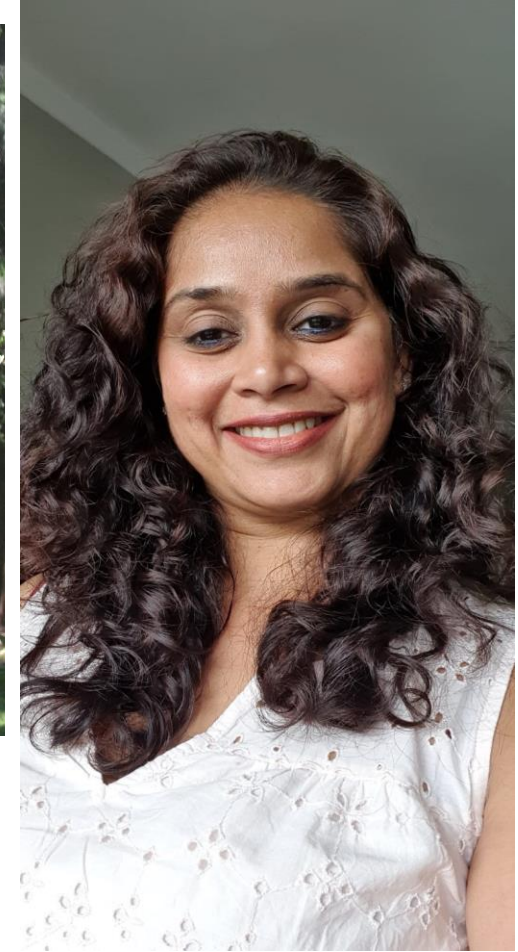
John Paul Dongo



Ritah Mande



Riitta Dlodlo



Selma Dar Berger

COE CDC Team



Brittany Moore

Tanzania



- Allan Tarimo
- Mandala Adam
- Issa Sabi
- Bhavin Jani
- Peter Neema

Mozambique



- Criménia Mbate Mutemba
- Benedita José
- Yolanda Cachomba
- W. Chris Buck

FETP and AFENET

- Peter Thomas, Field Epidemiology Training Program, CDC Atlanta
- Kevin Mugenyi, Senior Epidemiologist, AFENET Uganda



Session 3 recap, session 4 outline, and workshop series running schedule

John Paul Dongo, Country Director, The Union Uganda office

The Union

International Union Against
Tuberculosis and Lung Disease
Health solutions for the poor



3. Adapting/developing a national capacity building strategy for child and adolescent TB

Objectives

1. Describe adult learning theory and effective training techniques for adult-learners
2. Use learner-centered ADDIE model (Assess, Design, Develop, Implement and Evaluate) to adapt and/or develop a national capacity building strategy for child and adolescent TB

Post-session work completed by country team

Assess:

- Conduct root cause analysis to determine root causes of challenges for successfully implementing child and adolescent TB activities in country
- Identify causes that are within the country's control to change/improve, and that can be improved through capacity building

Design:

- Brainstorm solutions/interventions for root causes that are identified as within the country's control to change/improve and can be improved through capacity building (root causes related to poor workforce skills, knowledge, and attitudes)
- Use impact resource matrix to start prioritizing solutions/interventions based on impact and resources needed

4. South-to-south experience sharing: Country experiences of implementing public health capacity-building strategies!

Objectives

1. Become familiar with successful capacity-building strategies used in other countries and public health programs

Post-session work completed by country team

- Begin shaping a document that links capacity building solutions and strategies with identified problems/barriers/performance issues
- Identify and integrate best practices/lessons learned from south-to-south learning into the country's national child and adolescent TB capacity building strategy
- Develop broad costing estimates for each intervention, including annual budgets for ongoing activities, if applicable.

Deliverable: Country team develops a presentation summarizing proposed components of national capacity building strategy for child and adolescent TB.

Session calendar

No	Session	Dates	Duration
1	Let's get started: What is the COE "Workshop series for strengthening capacity to manage child and adolescent TB" - Introduction.	March 30, 2022	1 hour 30 minutes
2	Sharing findings from countries' review of their national training strategy, training materials, and staff training needs for child and adolescent TB	May 19, 2022	1 hour 30 minutes
3	Adapting and/or developing a national capacity building strategy for child and adolescent TB, incorporating best practices for adult learning	June 14, 2022	1 hour 30 minutes
4	South-to-south experience sharing: Real-life country experiences of implementing public health capacity-building strategies!	October 06, 2022	1 hour 30 minutes
5	Sharing countries' national child and adolescent TB capacity-building strategies	TBD	1 hour 30 minutes



Presentations on implementing public health capacity-building strategies

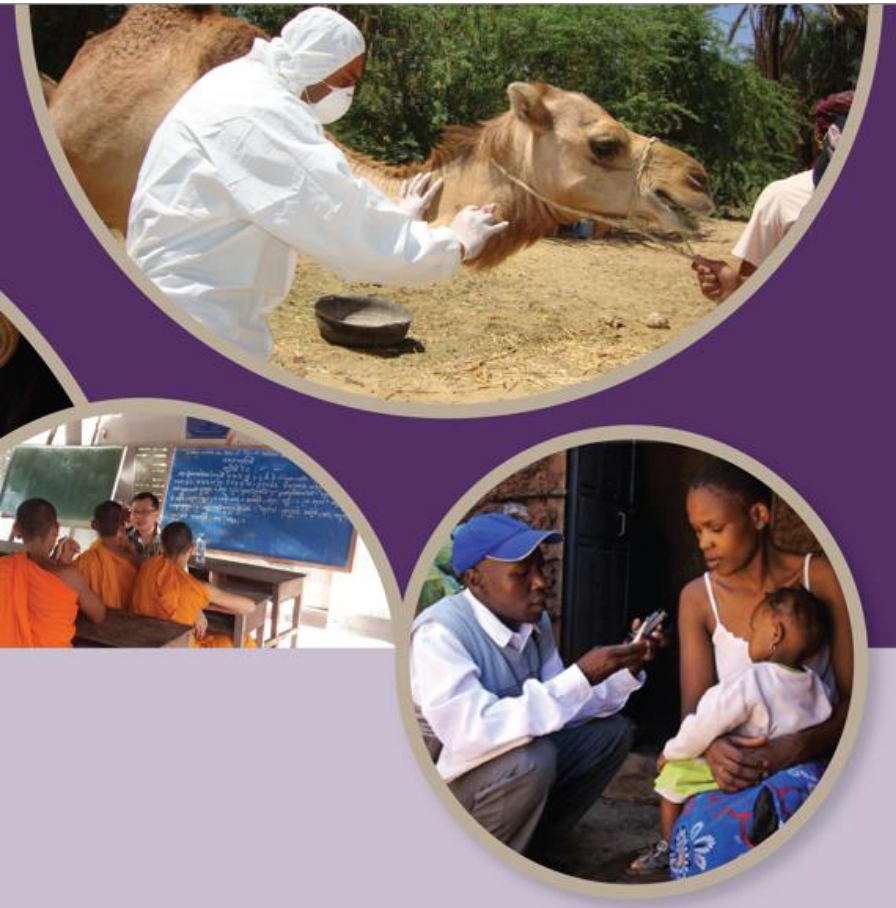
FETP and AFENET

The Union

International Union Against
Tuberculosis and Lung Disease
Health solutions for the poor



Overview of Field Epidemiology Training Programs



6 October 2022

Peter Thomas PhD, MPH

Division of Global Health Protection
Center for Global Health
CDC, Atlanta, USA



“Field Epidemiology Training Programs – in the tradition of CDC’s Epidemic Intelligence Service – may be the single most important thing CDC does in global health.”

Dr. Thomas Frieden, Former CDC Director

What is a Field Epidemiology Training Program (FETP)?

- Mentored, on-the-job, competency-based **training and service** program
- Recruit health professionals to gain important skills while providing key services to their health system
- Curriculum centers on field projects with supporting **didactics at all levels**



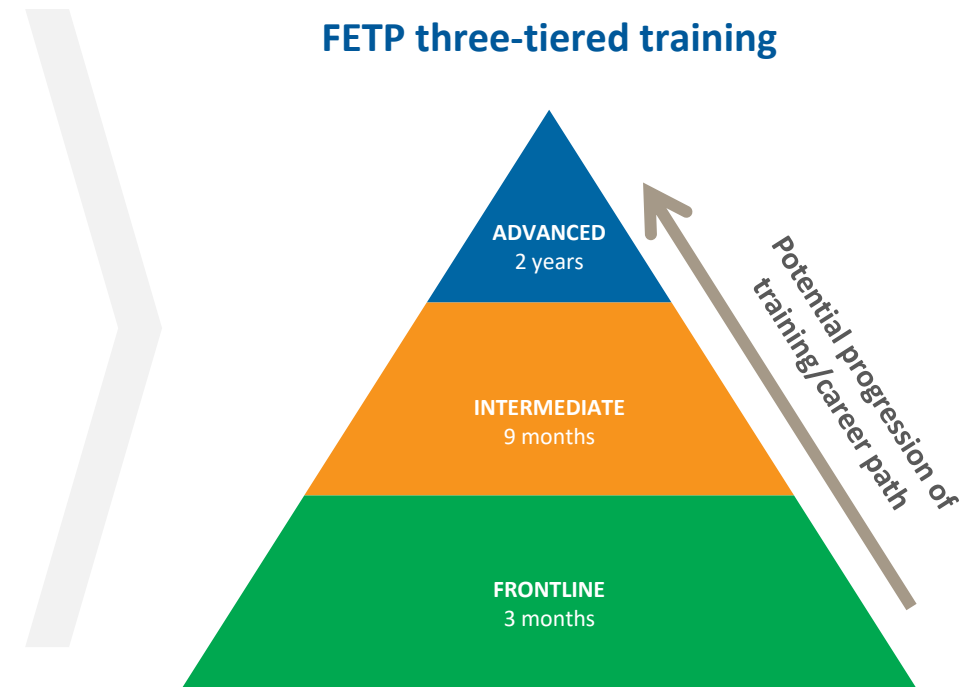
Sample collection conducted by members of the Malaysia Epidemic Intelligence Program. (Photo from TEPHINET)

FETP variations

- Variations in FETP levels
 - FETP-Frontline
 - FETP-Intermediate
 - FETP-Advanced
 - FELTP: Includes laboratory training
 - FETP-V: Includes training for veterinarians
- Variations in FETP structure
 - Some programs award a degree
 - Proportion of coursework vs. field work
 - Location of field placements
 - Country vs. regional program
 - Funding sources
 - Background, source, and number of trainees
 - Post-graduation job opportunity / requirement

CDC's FETP has a three-tiered training approach

	FRONTLINE	INTERMEDIATE	ADVANCED
Target Audience	District, Regional, National	Regional, National	National
Duration	3 Months	9 Months	2 Years
Cohort Size	20 - 30	15 - 20	8 - 15
Part-time or Full-time	Part-time	Part-time	Full-time
Awarded on Completion	Certificate	Certificate	Certificate, MPH, or other Master's
Classroom Time / Field Time	2 Weeks+ / 10 - 12 Weeks	8 Weeks / 33 Weeks	10 - 26 Weeks / at least 68 Weeks



Tier 1: FETP Frontline

- Goal
 - Build epidemiologic capacity
 - Strengthen public health surveillance
 - Promote use of data for decision-making at local level
- Target audience
 - Governmental public health workers responsible for surveillance data collection, compilation, analysis, reporting and response at local level of health system
 - Staff at the intermediate and central level responsible for analysis of surveillance data
- Proposed program length: ~3 months
 - Classroom sessions: 2 weeks (divided)
 - Field work: 8–10 weeks

Tier 2: FETP Intermediate

- Goal: Build epidemiologic capacity (surveillance, outbreak investigation and response, data for decision-making) at the intermediate level
- Target audience: Public health workers responsible for surveillance data analysis, outbreak investigation and response, reporting at the intermediate (and national) level of the health system
- Proposed program length: ~9 months
 - Classroom sessions: 5–9 weeks (divided)
 - On the job (with assignments): 31–35 weeks

Tier 3: FETP Advanced

- Goal
 - Train public health personnel in applied (field) epidemiology by providing epidemiologic services to national and sub-national health authorities
 - Strengthen country's capacity to
 - Respond to public health emergencies
 - Build and evaluate surveillance systems
 - Lead research activities on priority public health problems
 - Improve communications and networking within the country and throughout the region
- Target audience: Public health workers at the national level of the health system
- Proposed program length: 2 years
 - Classroom sessions: 20–25% of 2 years
 - On the job (with assignments): 75–80% of 2 years

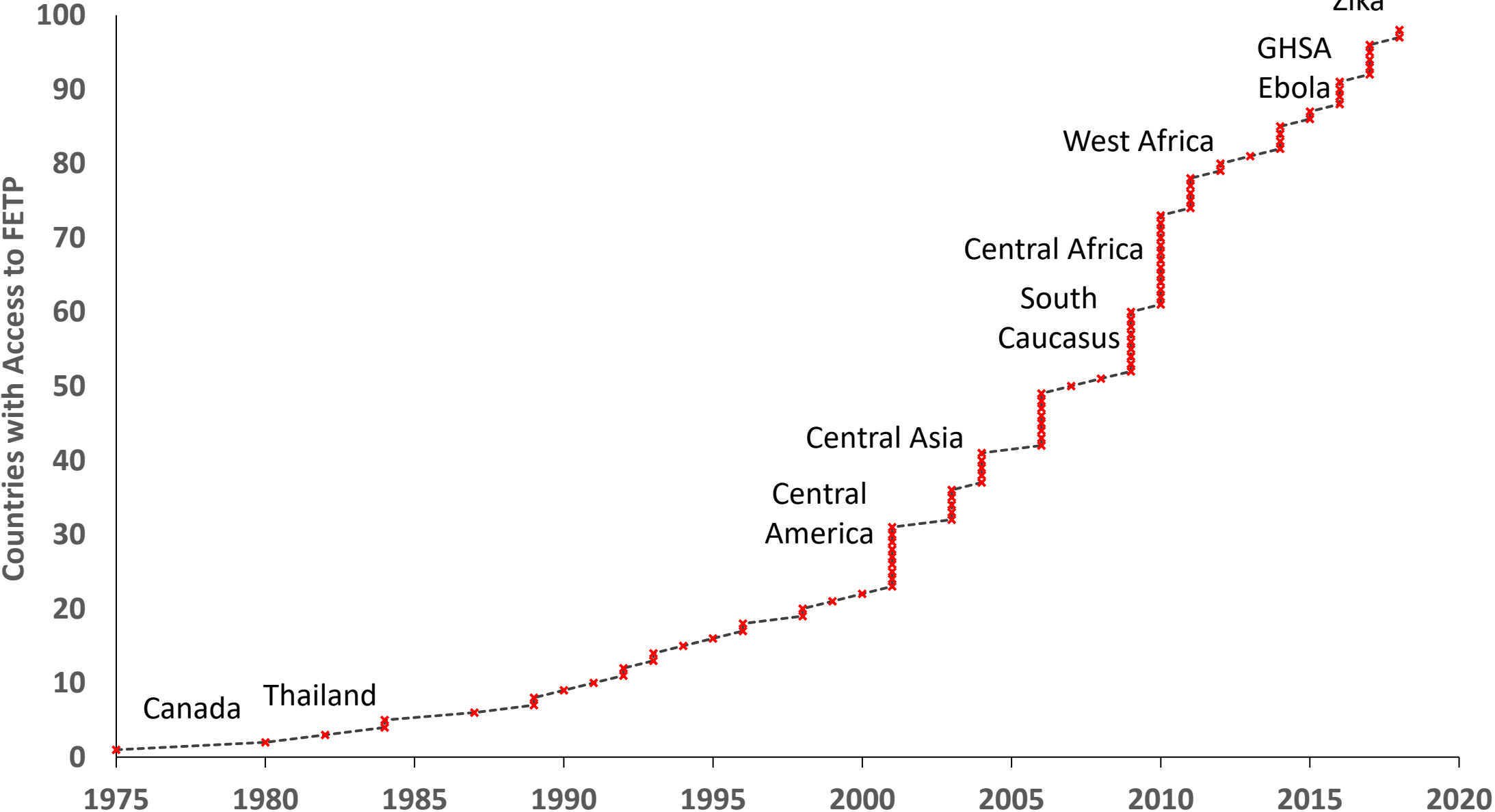
The Global Field Epidemiology Roadmap vision is shared by CDC's FETP

2030 FETP Vision

Every country in the world will have the applied epidemiology capacities needed to protect and promote the health of its own population, and to collaborate with others to promote global health **[and health security]**.



Growing CDC-engaged FETPs, 1975–2018



FETP at 40

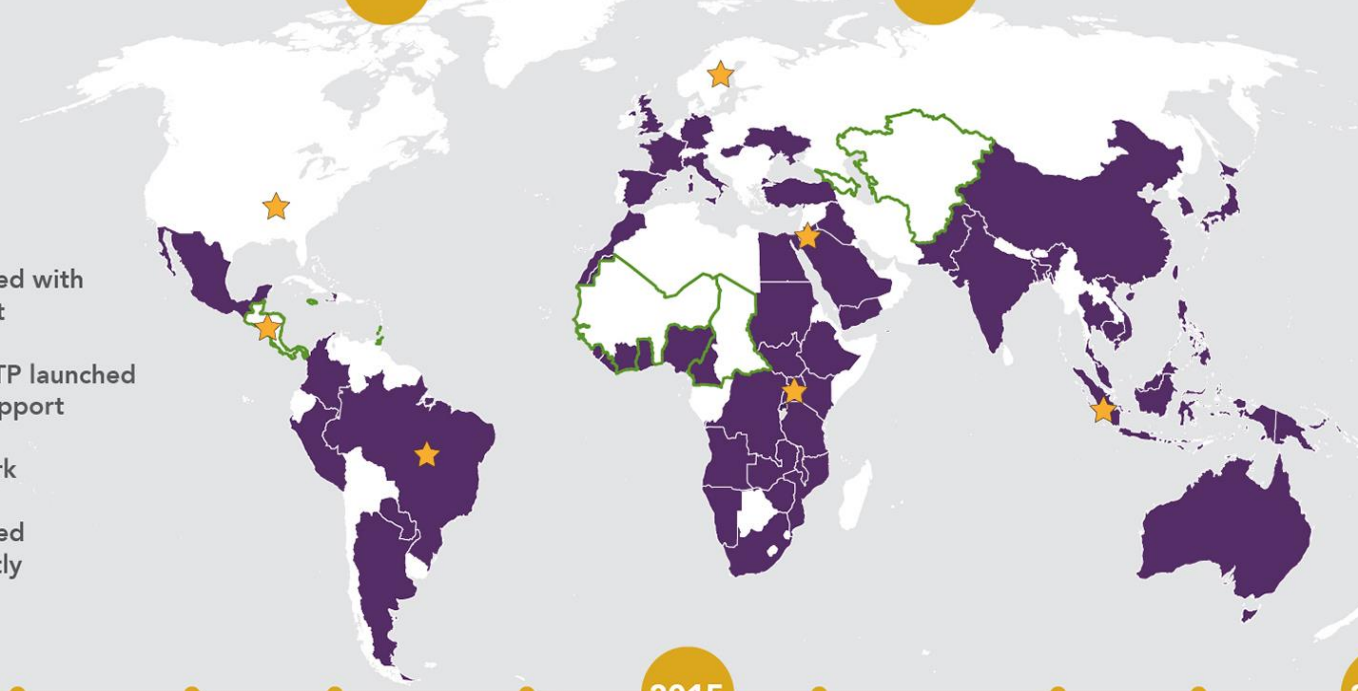
Expanding the footprint of disease detectives worldwide

Over the past 40 years, CDC helped establish Field Epidemiology Training Programs (FETPs) throughout the world, starting with Thailand in 1980. The map and timeline show when FETPs began in countries and in regions, as well as the dates when FETP networks were established. Additionally, Canada's FETP launched independently in 1975 and CDC's Epidemic Intelligence Service (EIS) launched in 1951.



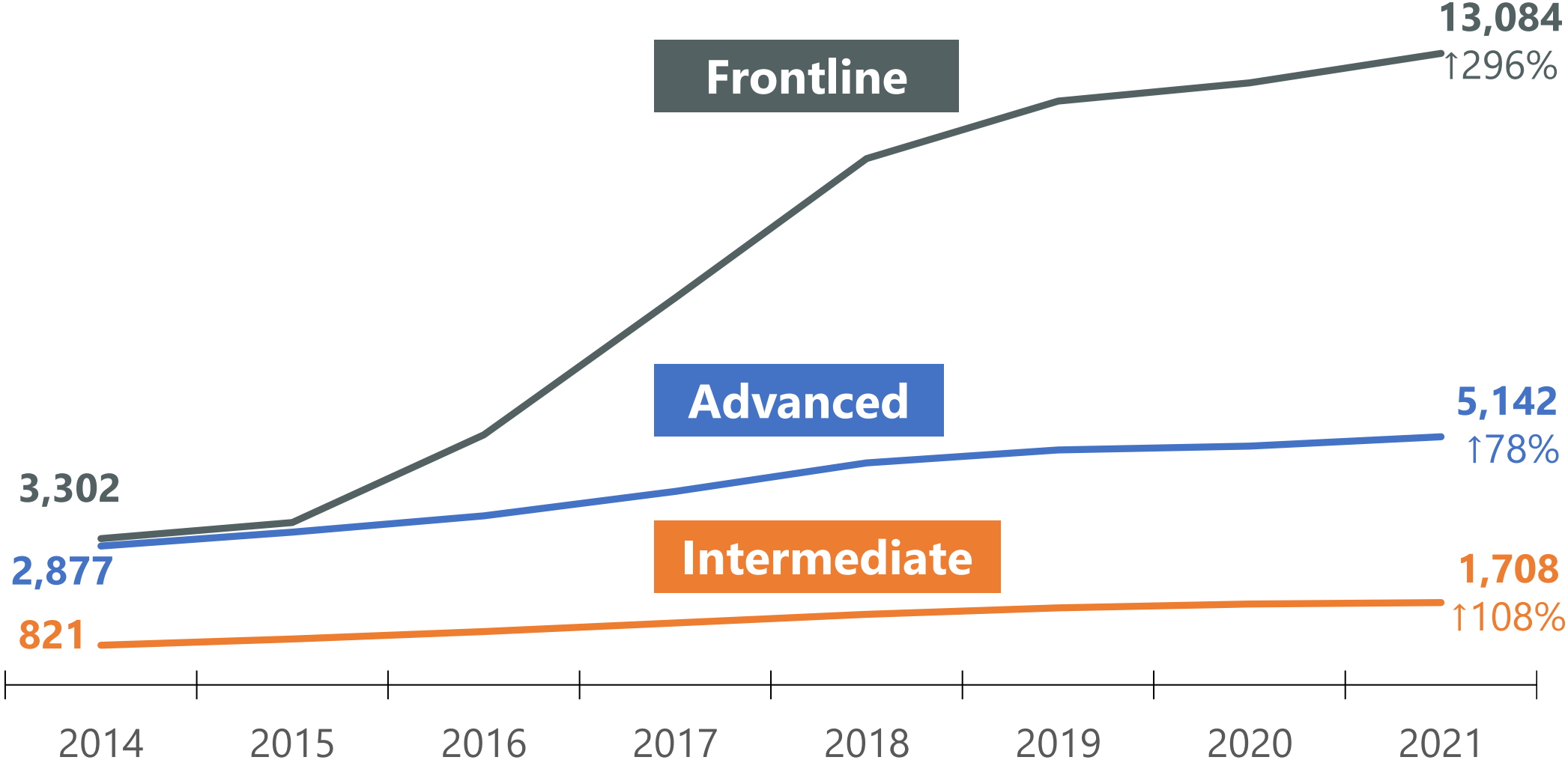
LEGEND

- FETP launched with CDC support
- Regional FETP launched with CDC support
- FETP network
- FETP launched independently

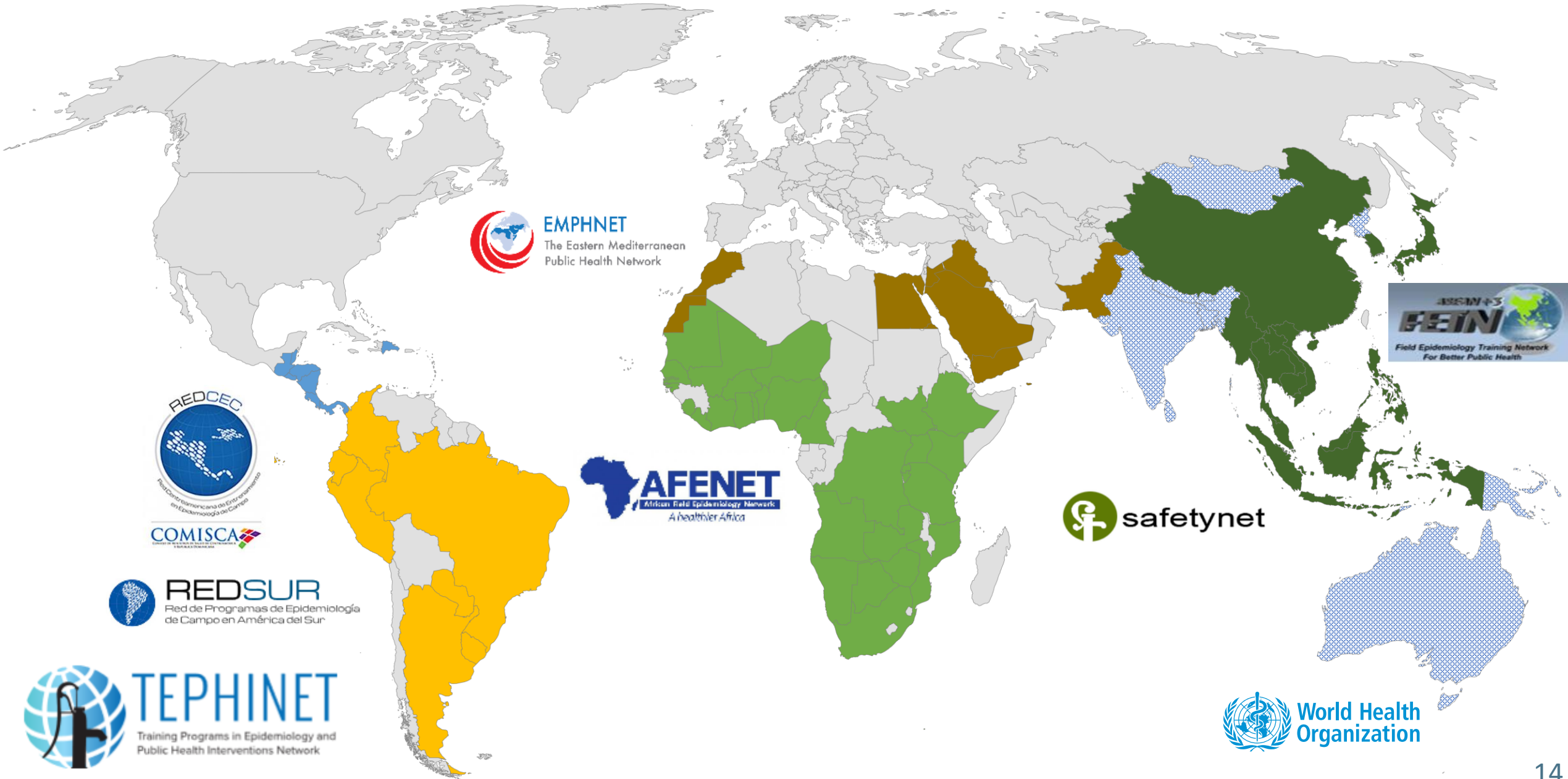


FETP programs, particularly Frontline, continue to grow

Number of graduates



Key FETP Partners around the Globe



FETP key to Nigeria's Ebola response

- July 2014: Traveler infected with Ebola arrive in Lagos, Africa's largest city
- FETP involvement:
 - Helped identify and isolate cases
 - Identified 894 contacts
 - Completed nearly 19,000 contact tracing visits
 - Implemented social mobilization strategy, reaching 26,000 households
 - Established Ebola Treatment Unit in 2 weeks
- Outbreak ended in October (19 cases total)



Training on effective use of PPE

FETP-Frontline Impact — Benin

On-time reporting: 37%

Percentage of facilities reporting on time, by district – Benin												
Districts		Frontline Workshop 1	Frontline Field Work 1						Frontline Workshop 2	Frontline Field Work 2		
	W 25	W 26	W 27	W 28	W 29	W 30	W 31	W 32	W 33	W 34	W 35	W 36
1 NIKKI	94%											
2 SO-AVA	56%											
3 PEV d'Abomey-Calavi	25%											
4 Save	0%											
5 Zagnanado	25%											
6 Malanville	100%											
7 Allada	25%											
8 Cotonou 7	0%											
9 Aguégués	0%											
10 Pobe	67%											
11 Abomey-Calavi	25%											
12 Ze	50%											
13 Sèmè-Podji	30%											
14 Ifangni	9%											
15 Adja-Ouèrè	100%											
16 Adjarra	14%											
17 Tchaourou	31%											
18 Perere	0%											
19 Kalale	27%											
20 Cotonou V (Zone)	0%											
21 Segbana	100%											
22 Cotonou I & IV (Zone)												
Average by Week	37%											

FETP-Frontline Impact — Benin

On-time reporting: 37% to 79%

Percentage of facilities reporting on time, by district – Benin												
Districts	Frontline Workshop 1		Frontline Field Work 1						Frontline Workshop 2	Frontline Field Work 2		
	W 25	W 26	W 27	W 28	W 29	W 30	W 31	W 32	W 33	W 34	W 35	W 36
1 NIKKI	94%	94%	88%	56%	31%	31%	38%	38%				
2 SO-AVA	56%	56%	56%	78%	100%	100%	100%	100%				
3 PEV d'Abomey-Calavi	25%	25%	38%	50%	63%	75%	75%	88%				
4 Save	0%	0%	42%	83%	83%	92%	100%	100%				
5 Zagnanado	25%	0%	0%	50%	100%	100%	100%	100%				
6 Malanville	100%	100%	100%	100%	100%	100%	100%	100%				
7 Allada	25%	25%	50%	75%	100%	100%	25%	50%				
8 Cotonou 7	0%	0%	0%	0%	0%	0%	50%	50%				
9 Aguégués	0%	0%	0%	0%	100%	100%	100%	100%				
10 Pobe	67%	83%	100%	83%	83%	83%	100%	100%				
11 Abomey-Calavi	25%	25%	38%	50%	63%	75%	75%	88%				
12 Ze	50%	75%	100%	100%	100%	100%	100%	100%				
13 Sèmè-Podji	30%	20%	30%	40%	60%	80%	90%	90%				
14 Ifangni	9%	27%	9%	9%	9%	36%	9%	9%				
15 Adja-Ouèrè	100%	100%	100%	100%	100%	100%	100%	100%				
16 Adjarra	14%	29%	43%	43%	57%	57%	71%	57%				
17 Tchaourou	31%	54%	46%	46%	46%	62%	100%	100%				
18 Perere	0%	0%	27%	36%	36%	36%	45%	36%				
19 Kalale	27%	27%	40%	53%	87%	93%	67%	80%				
20 Cotonou V (Zone)	0%	0%	0%	0%	75%	75%	75%	75%				
21 Segbana	100%	100%	100%	100%	100%	100%	100%	100%				
22 Cotonou I & IV (Zone)	No Report											
Average by Week	37%	40%	48%	55%	71%	76%	77%	79%				

FETP-Frontline Impact — Benin

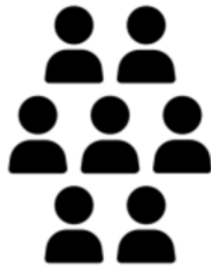
On-time reporting: 37% to 89% in 3 months

Percentage of facilities reporting on time, by district – Benin												
Districts		Frontline Workshop 1	Frontline Field Work 1						Frontline Workshop 2	Frontline Field Work 2		
	W 25	W 26	W 27	W 28	W 29	W 30	W 31	W 32	W 33	W 34	W 35	W 36
1 NIKKI	94%	94%	88%	56%	31%	31%	38%	38%	44%	75%	94%	94%
2 SO-AVA	56%	56%	56%	78%	100%	100%	100%	100%	100%	100%	100%	100%
3 PEV d'Abomey-Calavi	25%	25%	38%	50%	63%	75%	75%	88%	100%	100%	100%	100%
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5 Zagnanado	25%	0%	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%
6 Malanville	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
7 Allada	25%	25%	50%	75%	100%	100%	25%	50%	25%	75%	100%	75%
8 Cotonou 7	0%	0%	0%	0%	0%	0%	50%	50%	100%	75%	100%	100%
9 Aguégués	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%
10 Pobe	67%	83%	100%	83%	83%	83%	100%	100%	100%	100%	100%	100%
11 Abomey-Calavi	25%	25%	38%	50%	63%	75%	75%	88%	100%	100%	100%	100%
12 Ze	50%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
13 Sèmè-Podji	30%	20%	30%	40%	60%	80%	90%	90%	100%	100%	100%	100%
14 Ifangni	9%	27%	9%	9%	9%	36%	9%	9%	9%	9%	9%	45%
15 Adja-Ouèrè	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
16 Adjarra	14%	29%	43%	43%	57%	57%	71%	57%	71%	57%	57%	57%
17 Tchaourou	31%	54%	46%	46%	46%	62%	100%	100%	100%	100%	100%	100%
18 Perere	0%	0%	27%	36%	36%	36%	45%	36%	36%	45%	18%	36%
19 Kalale	27%	27%	40%	53%	87%	93%	67%	80%	87%	87%	87%	93%
20 Cotonou V (Zone)	0%	0%	0%	0%	75%	75%	75%	75%	75%	75%	75%	75%
21 Segbana	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
22 Cotonou I & IV (Zone)	No Report											
Average by Week	37%	40%	48%	55%	71%	76%	77%	79%	83%	86%	88%	89%

How do FETPs support the COVID-19 response?

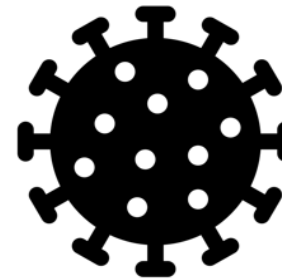
Conducting
Epidemiologic
Activities

Contact Tracing



Created by Adrien Coquet
from Noun Project

Sample Collection



Created by Andrejs Kirma
from Noun Project

Situation Reports



Created by Arafat Uddin
from Noun Project

Case Investigations



Created by visual language
from Noun Project

Leading Risk
Communication
Efforts

Communication
Materials



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Combat
Misinformation



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Public Awareness
Campaigns



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Call Centers

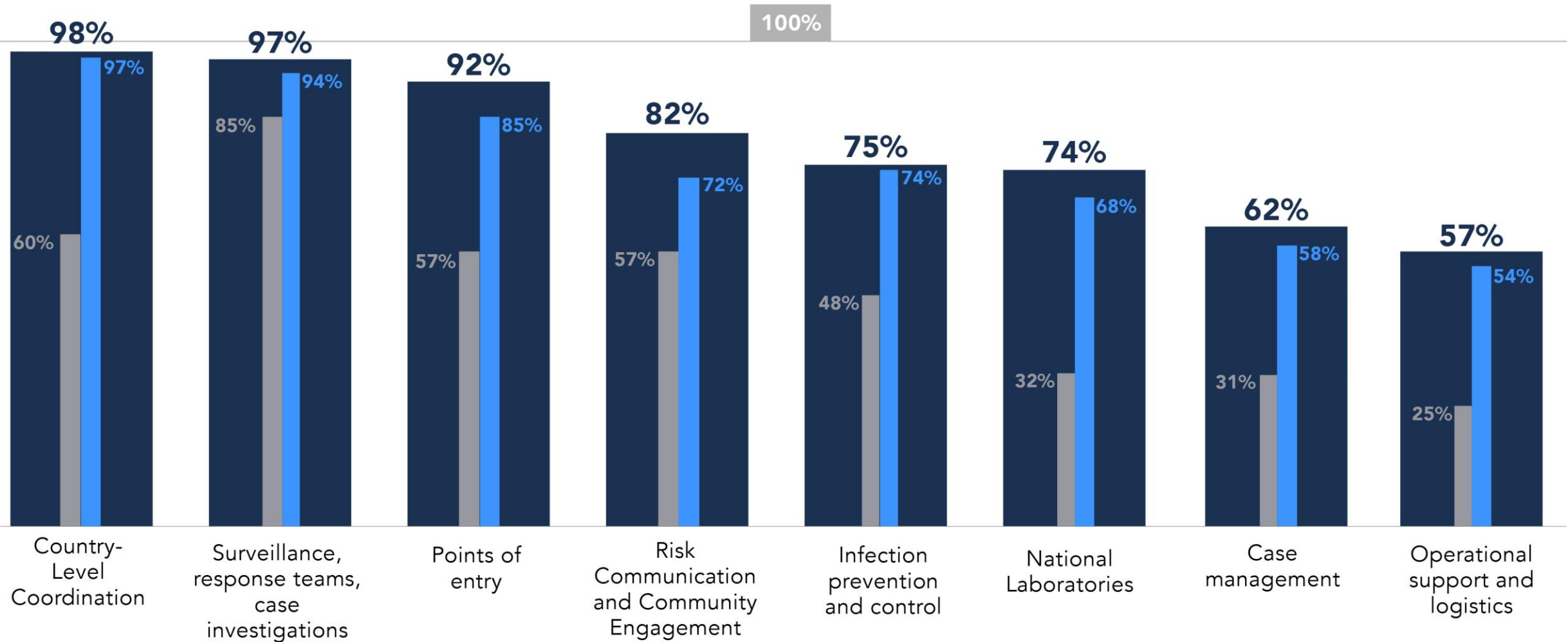


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from Noun Project

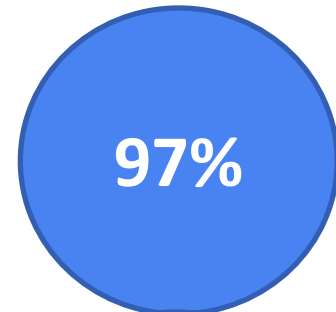
How do FETPs support the COVID-19 response?

% of programs supporting WHO pillars (N=65)

Trainees
Graduates
Trainees or Graduates



FETP trainee, graduate, and staff engagement



of 32 programs report trainee engagement*



of 32 programs report graduate engagement



of 32 programs report staff engagement

* one program not currently training, has not trainees to report

Impact and Effectiveness: Recent publications

- **Impact of Kenya's Frontline Field Epidemiology Training Program on Outbreak Detection and Surveillance Reporting: a Geographical Assessment, 2014-2017.** *Health Secur.* 2021 May-Jun
- **Field Epidemiology Training Programs contribute to COVID-19 preparedness and response globally.** *BMC Public Health* 2022 Jan
- **Strengthening the global one health workforce: Veterinarians in CDC-supported field epidemiology training programs.** *One Health* 2022 Mar
- **A Comparative cross-sectional evaluation of the Field Epidemiology Training Program – Frontline in Ethiopia.** *BMC Public Health* 2022 May
- **Evaluation of the first two Frontline cohorts of the Field Epidemiology Training Program in Guinea, West Africa.** *Hum Resour Health* 2022 May

FETP Challenges

- Program institutionalization within MOH or national public health institute
 - Organizational integration
 - Technical and administrative oversight
 - Stable financing
- Challenges for career path for FETP graduates
- Hard to network and innovate
 - Scientific conferences
 - Networking platforms
 - Accreditation
 - E-learning platforms

Thank you

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



The African Field Epidemiology Network (AFENET) – Experience sharing on capacity-building

Dr. Kevin Mugenyi

6th October 2022

What is AFENET?

- **A** non-profit organization and networking alliance dedicated to helping Ministries of Health in Africa build strong, effective and sustainable programs and capacity to improve public health systems
- **N**etwork of Field Epidemiology and Laboratory Training Programs (FELTPs) in Africa

Vision

A healthier Africa



Mission

Committed to ensuring effective prevention and control of epidemics and other priority public health problems in Africa




Objective

- To strengthen field epidemiology and public health laboratory capacity and, effectively contribute to addressing epidemics and other major public health problems in Africa


AFENET's Strategic Priorities


01  Field Epidemiology
Capacity Development

02  Public Health
Laboratory
Capacity Development

03  Public Health Disease
Surveillance &
Effective Response

04  Public Health Program
Management &
Research
Development

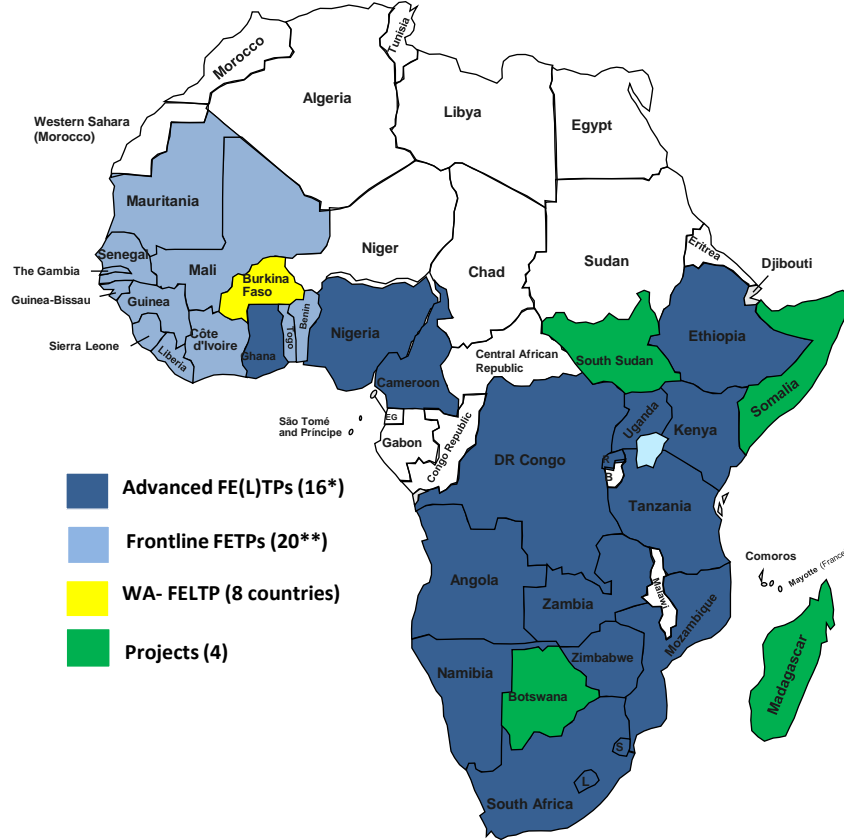
05  Networking &
Collaboration For
Public Health
Advancement

06  Documentation &
Publication For
Public Health

07  Promoting the 'One
Health' Approach

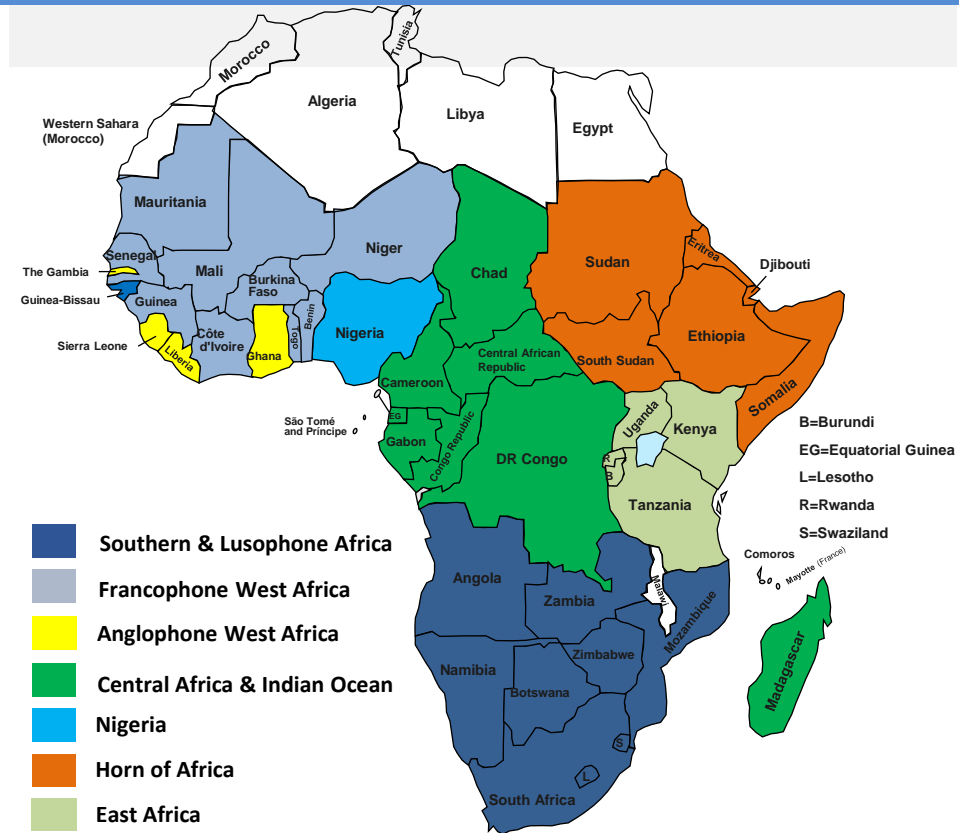
www.afenet.net

Footprint in Sub-Saharan Africa



*8 countries have Frontline FETP
 ** 6 Countries have Intermediate

AFENET Regionalisation



www.afenet.net

Polio Eradication and Immunization Systems Strengthening – Examples of Initiatives Supported

- NSTOP Nigeria
- Polio Outbreak response- Africa
 - 20 countries including – Benin, Cameroon, Chad, Ghana, DRC, Liberia, Mali, Madagascar, Chad, Kenya, Malawi, Tanzania, Uganda, Zambia
- NSTOP South Sudan
- Civil Registration and Vital Statistics (CRVS) – Zambia
- Immunization Data Improvement Teams (DIT) - Uganda
- START – Kenya, Uganda, Ethiopia
- 2YL-Ghana
- Data Quality project Kenya
- International STOP training with CDC, WHO

International STOP & Field work, Nigeria NSTOP



Capacity building - Improvement of EPI Data Quality in Uganda through the Data Improvement Teams (DIT) Strategy

Presentation outline

- Background
- DIT objectives
- Methodology
 - DIT strategic approach
 - Monitoring & evaluation
- Results from 2 rounds of DIT implementation to date
 - Knowledge and skills
 - Immunization data quality
- Best practices and lessons learned
- Discussion



Background

- Data Quality Self-Assessment (DQSA) conducted August 2013
- Data Improvement Team (DIT) strategy was developed to implement recommendations from the DQSA by the Uganda Ministry of Health (Resource Center and UNEPI) with support from partners – WHO, UNICEF, CDC and GAVI
- The DIT strategy was launched in 2014 using a cascading approach and rolled out one region at a time
 - National TOT, Regional trainings, Health Facility mentorship
 - Phase 1 from 2014-2016; Phase 2 from 2016-2020
 - Inception – training materials developed with MOH, WHO, UNICEF, EPI partners. Stakeholder meetings to develop agreed strategy
 - Funding – multi-partner - WHO, UNICEF, CDC and GAVI
 - Standardized training package used across all regions, improvements made from first set of ‘pilot’ regions

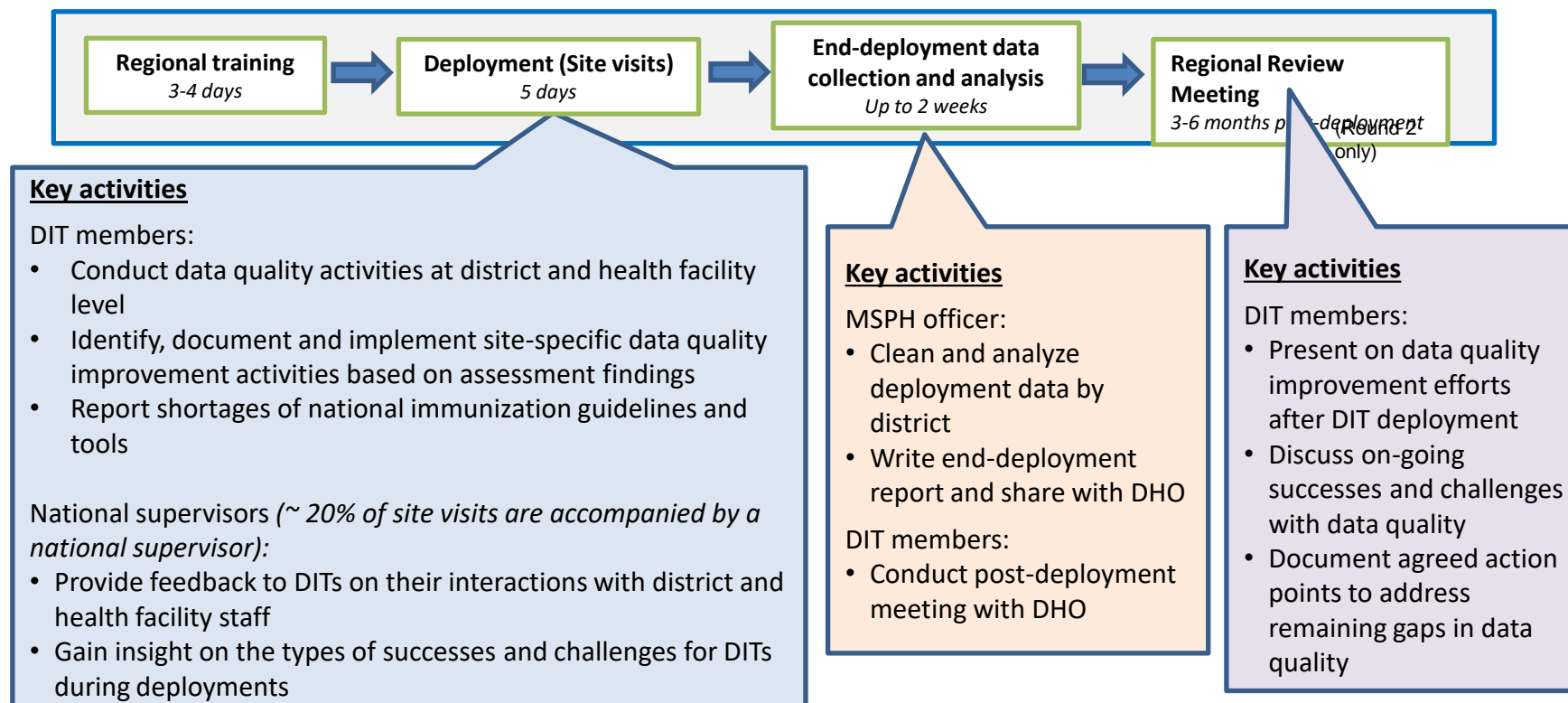
Key DIT Objectives

- Develop capacity of district and health facility level staff to improve the quality and use of routine immunization data
 - Identify root causes of routine immunization data quality and use challenges
- Build sustainability, ownership and understanding of the importance of immunization data at all levels
- Develop specific, targeted recommendations that are actionable and result in sustainable improvement

Methodology: DIT Team Composition

- Members of Data Improvement Teams are deployed in pairs and include district and sub-district staff
 - **District Biostatistician, District Surveillance Officer, District EPI Focal Person**, and in some districts also **sub-district staff**
- One officer from the Makerere University School of **Public Health (MSPH)** or **Health Informatics (MSHI)** is assigned as a member of the Data Improvement Team in each district

Methodology: DIT Strategic Approach



Regional Training – Jinja (I) Region



Regional Training – Gulu Region



Regional Training – Facility field practicum, Mubende Region



Field Deployment – Greater Kampala (II) Region



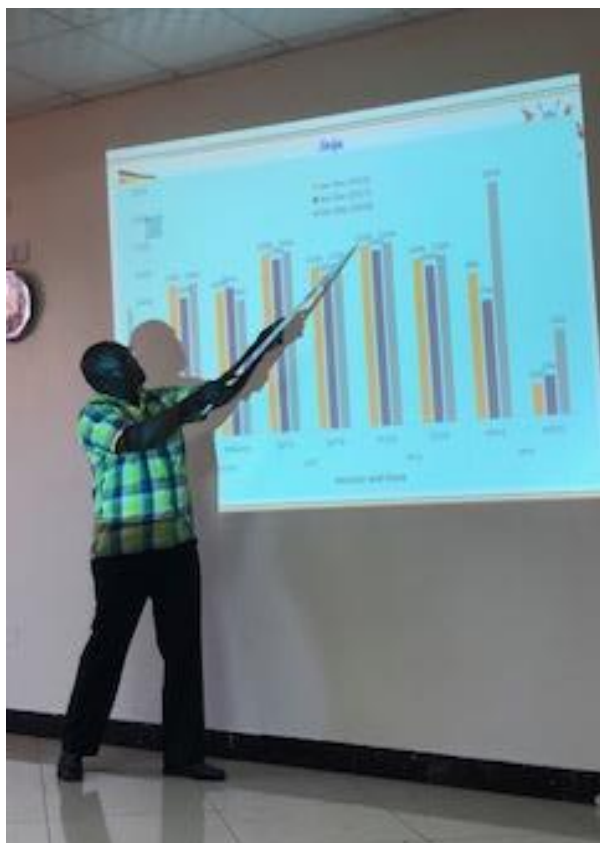
Field Deployment (II) – Greater Kampala Region



Field Deployment – Lobalangit HC II, Karenga district, Karamoja



Regional Review Meeting – Jinja Region



Methodology: DIT Monitoring and Evaluation

- Objectives
 - To continuously assess implementation quality and progress toward desired goals and objectives
 - Identify and document best practices, challenges and improvement strategies for DIT implementation
- Tools used to identify gaps in routine immunization data management practice and data quality:
 - *District Level Checklist, Health Facility Checklist and Data Quality Improvement (DQI)*
- Smart phones for data entry, LINKS app, reporting templates
- Health facility, district and regional level data analysis is conducted using Tableau to observe changes between Round 1 and 2

RESULTS FROM ROUND 1 AND 2 OF DIT IMPLEMENTATION

Round 1 and Round 2 implementation status

	Round 1 (2014-2016)	Round 2 (2016 to 2020)
No. of regions	17	17
No. of districts	112 districts + 5 Kampala divisions	123 districts + 5 Kampala divisions
No. of health facilities	3443 (<i>89% of all immunizing facilities</i>)	3,882 (<i>97% of all immunizing facilities</i>)
No. of DITs trained and deployed	438	750
Average time spend on data collection at HF	1 hour 5 minutes	1 hour 22 minutes
Average time spend on mentorship at HF	1 hour 37 minutes	1 hour 40 minutes

Standard Immunization Tools – Health facility level

For health facilities that are visited in both Round 1 and Round 2 (N= 3221)

Indicator: Standardized Immunization Tools

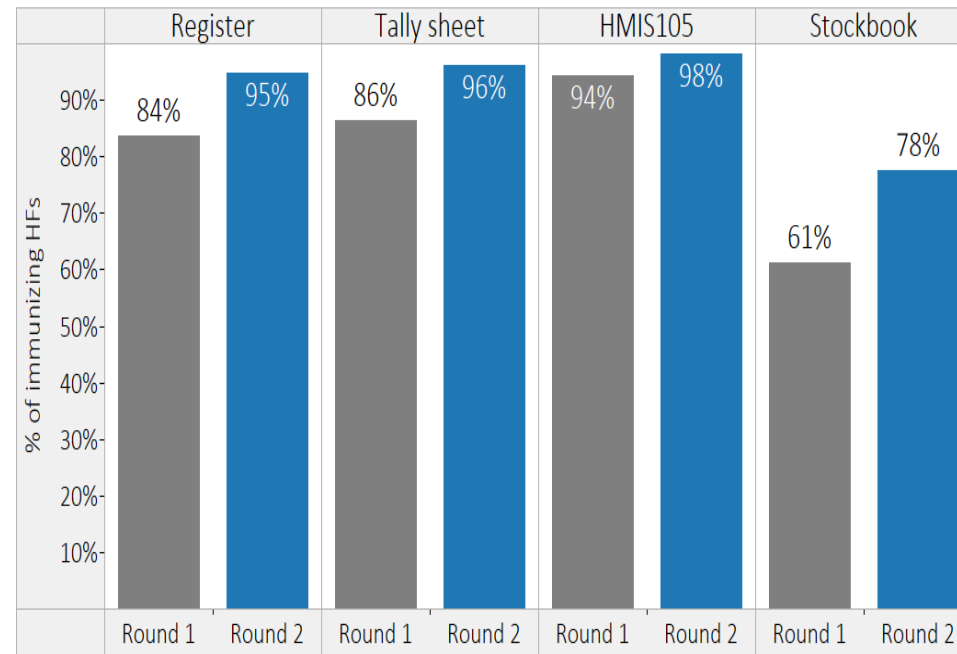
Definition:

Standard immunization tools refer to EPI tools that have been designed, developed and issued by the Ministry of Health, as described in the MoH HMIS health facility procedure manual, and include:

- Immunization Child Register (HMIS Form 073)
- Child Tally Sheet (HMIS Form 076)
- Health Unit Monthly Report (HMIS 105)

17 Regions

% HFs with standardized immunization tools



Archiving – District level

For districts in regions that are covered in both rounds of DIT implementation (17 regions to date)

Selected Key Indicator		Indicator definition
Archiving: Proportion of districts with paper copies of the HMIS105 forms archived and easily accessible		The district must: <ol style="list-style-type: none"> 1) Have monthly HMIS 105 forms safely filed e.g. in a box file, and the file must clearly be labeled 2) HMIS 105 forms in the files should be arranged in chronological order, with the most recent month's form placed at the top 3) HMIS 105 forms should stored in a safe place, e.g. a storage shelf or filing cabinet, and must be easy to retrieve when required
Round 1 (2014-2016)	Round 2 (2016 2020)	Potential reasons/factors contributing to the change/observation
87/116 (75%)	99/128 (77%)	<ul style="list-style-type: none"> • Inadequate resources to purchase files for storage of forms • Inadequate attitude towards record keeping • Lack of knowledge by newly recruited staff on standard archiving practices • Inadequate external and internal supportive supervision and follow up at all levels • Low motivation to routinely conduct standard data archiving practices

Example - Archiving finding at field visit – District level (Phase 1)



R.I. data use for action – District level

For districts in regions that are covered in both rounds of DIT implementation (17 regions to date)

Selected Key Indicator		Indicator definition
Proportion of districts with documented evidence that routine immunization data is used to inform EPI activities		<p>The district must:</p> <ol style="list-style-type: none"> 1) Have at least ONE of the following examples of analyzed data: RED Categorization, immunization monitoring chart, catchment area maps completed following micro planning etc. 2) Have at least ONE example of action taken based on analyzed facility data (e.g. monthly meeting minute, other documentation). Probe for explanation of how analyzed data use for action
Round 1 (2014-2016)	Round 2 (2016-2020)	Potential reasons/factors contributing to the change/observation
78/116 (67%)	101/128 (79%)	<ul style="list-style-type: none"> • Inadequate knowledge on EPI data analysis and use • Inadequate attitude/apathy towards data analysis and use • Insufficient feedback from supervisors on data submitted to the next reporting level • Inadequate external and internal supportive supervision and follow up at all levels

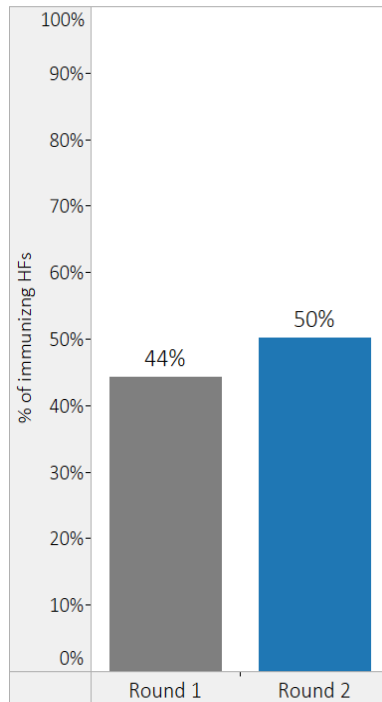
R.I. data use for action – HF level

17 Regions
Overall

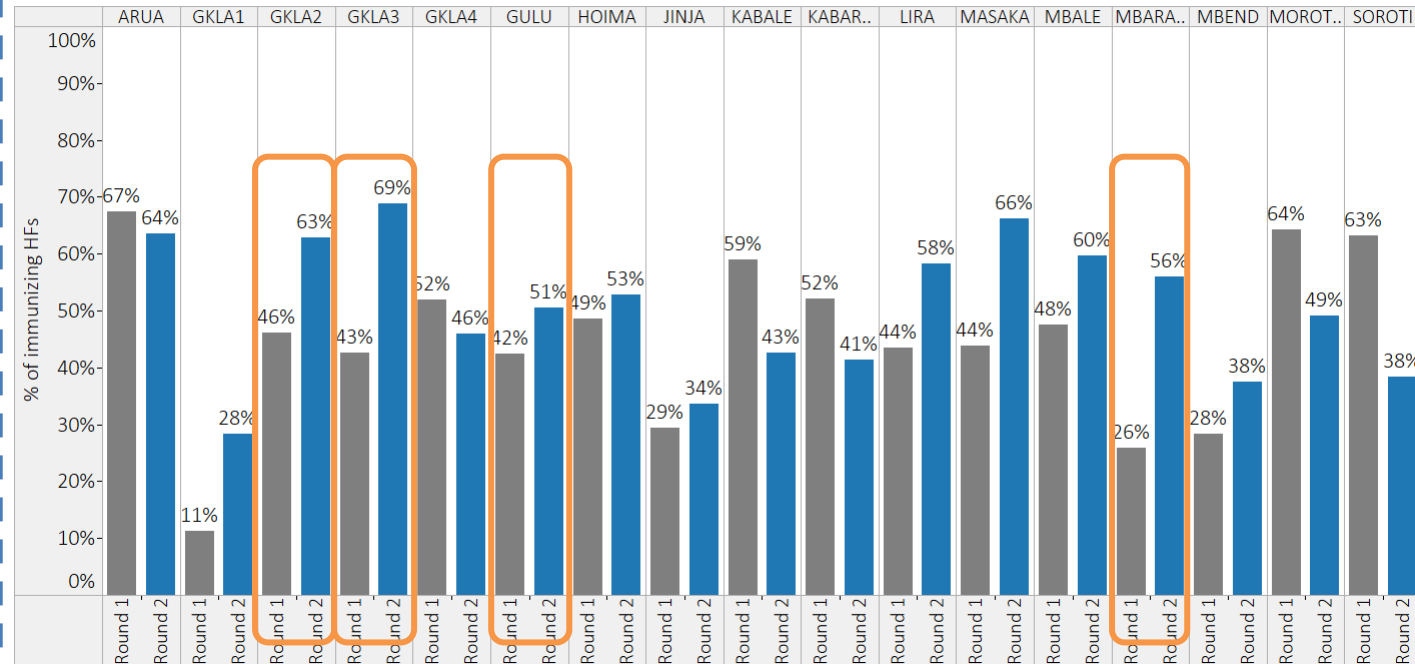
For health facilities that are visited in both Round 1 and Round 2 (N= 3221)

By
Region

% HFs using RI data for action

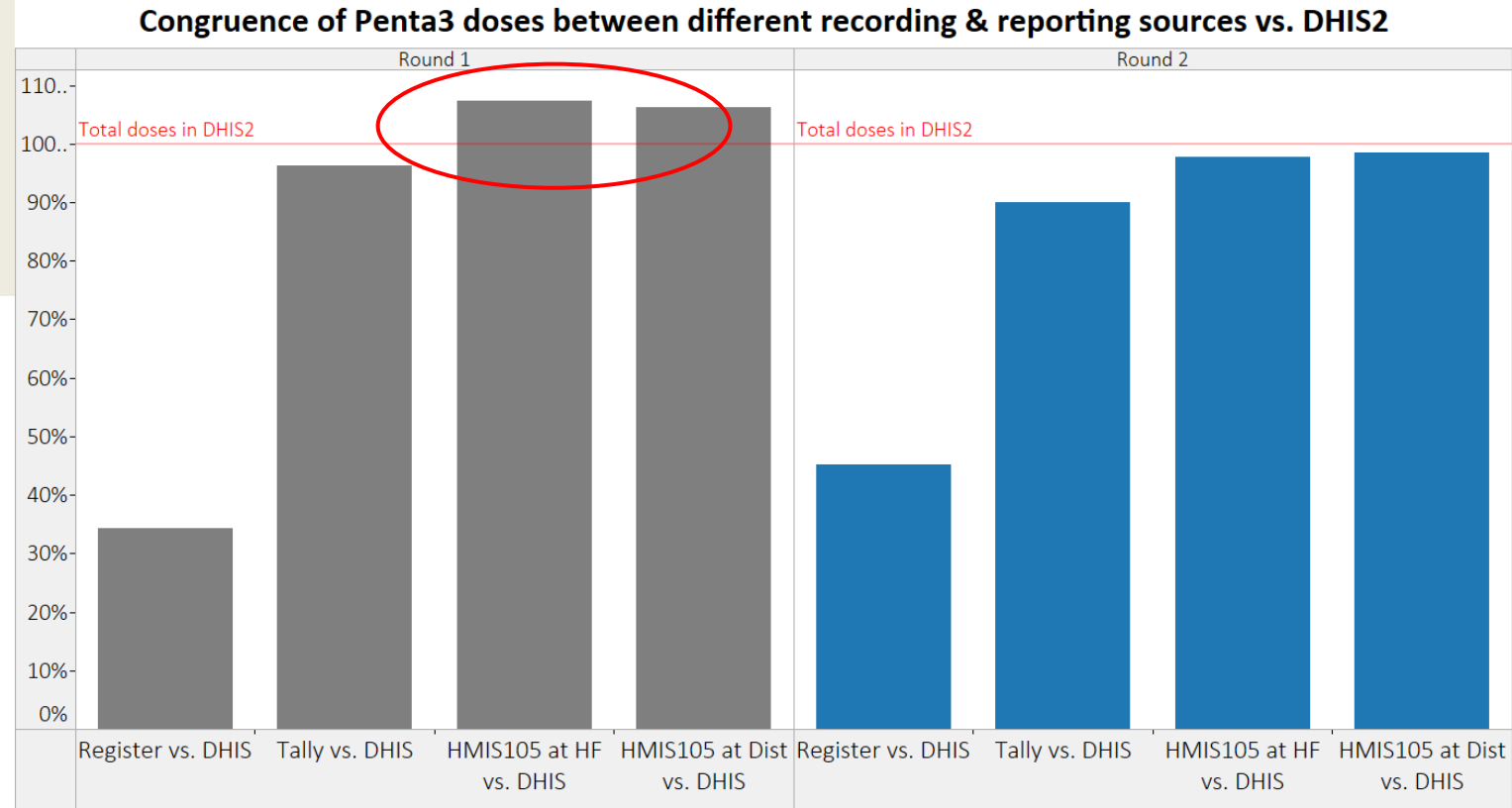


% of HF using RI data for action



Immunization Data Congruence – All 17 Regions, DPT3

17 Regions
Overall (for
one
assessment
month)



Data agreement for Penta 3 doses in round 2 improved, especially between DHIS and the HMIS105 forms. However, the use of child register is still low.

Field deployment - Assessing records for data congruence, Otuke District



BEST PRACTICES AND LESSONS LEARNED

Best practices: Health Facility Level

Before Visit



During Visit



After Visit



Before Visit



During Visit



During Visit

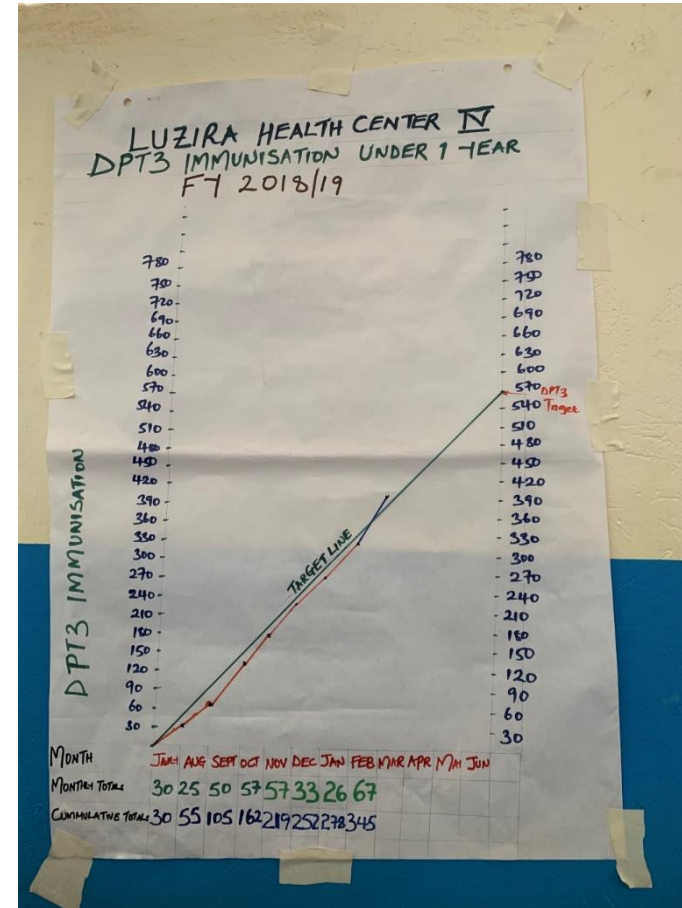
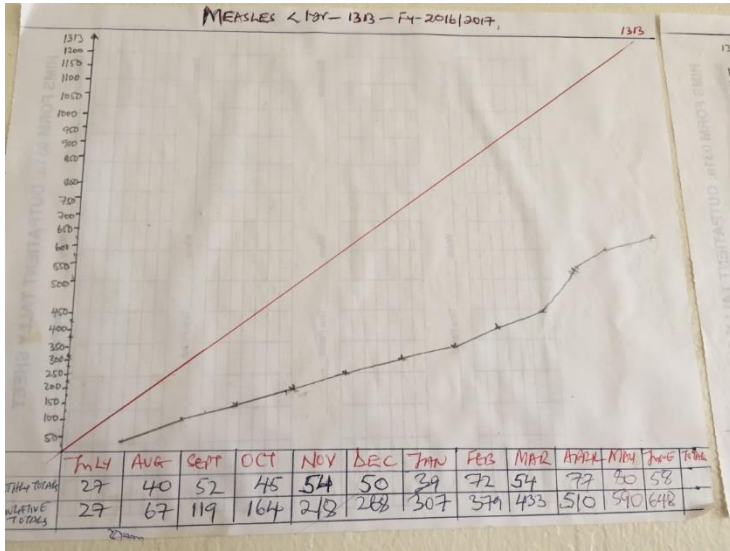


After Visit



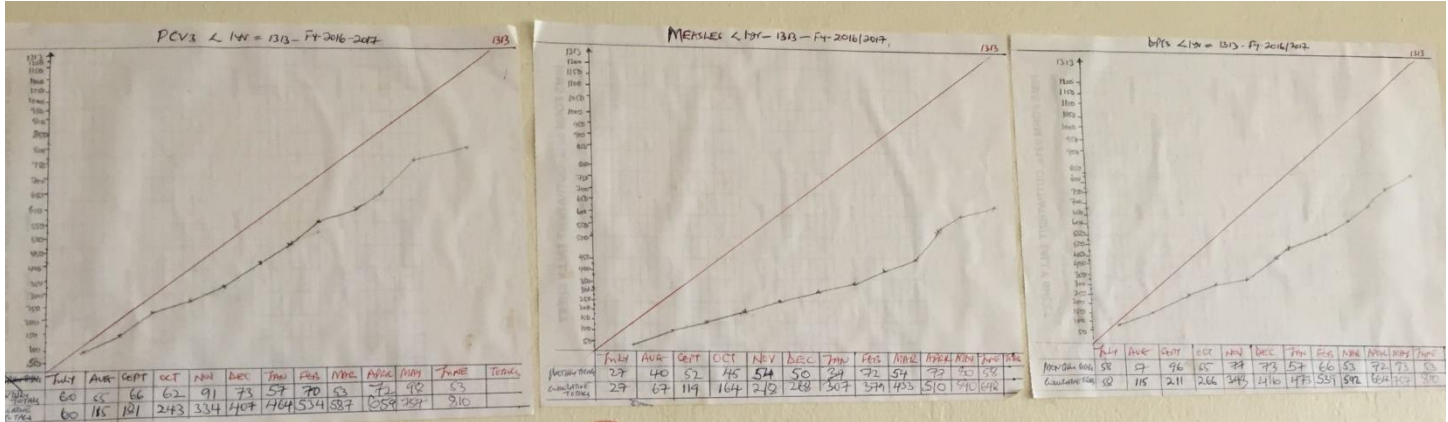
Photo from health facility in Jinja region, Nov 2017

Best practices: Health Facility Level

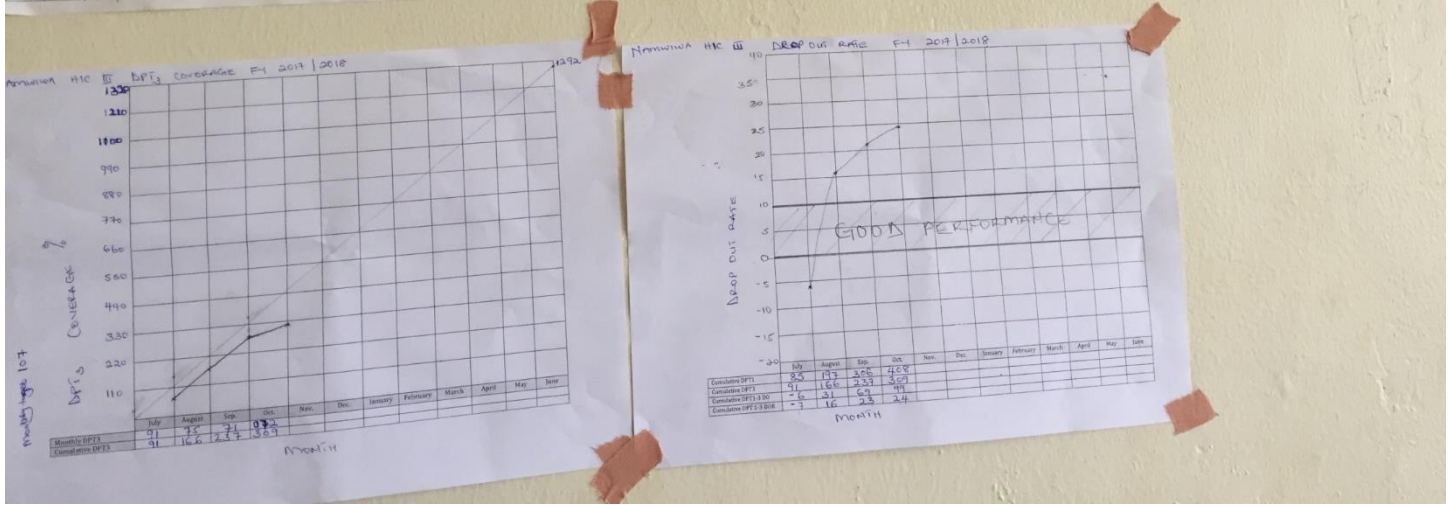


Best practices: Health Facility Level analysis

2016/2017



2017/2018



Challenges

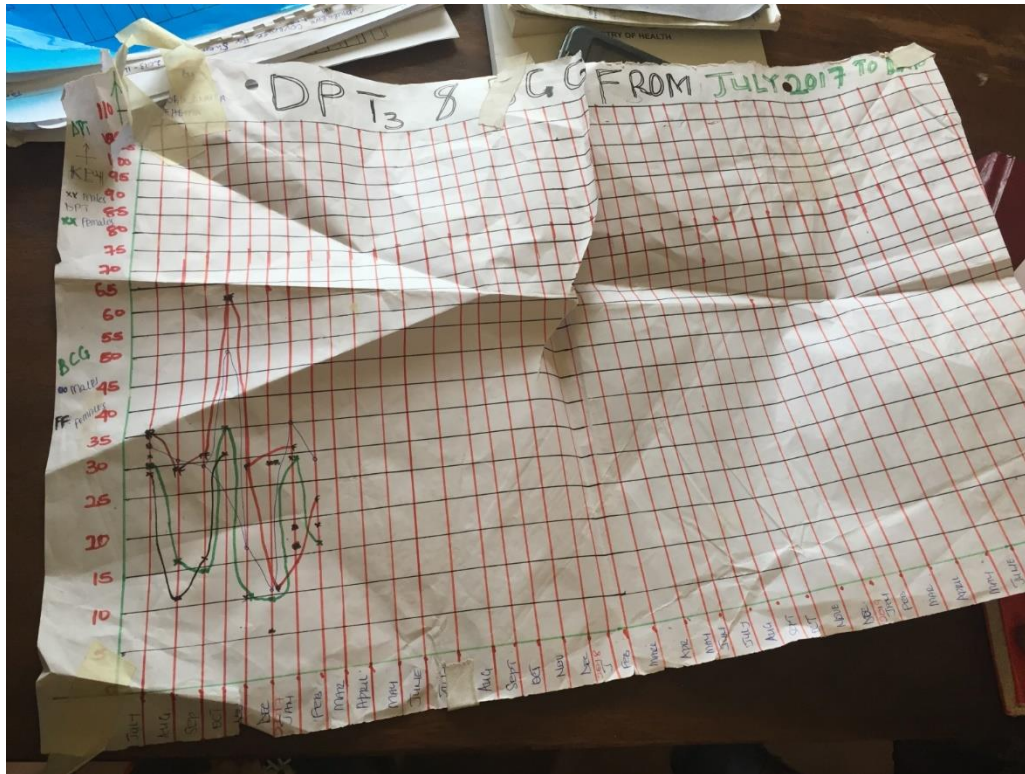
- Competing national priorities
- Human resource gaps in health facilities - workload
- Funding constraints
- Needed to increase number of days of trainings due to increasing training content
- High costs of field deployment, national supervision
- Sustainability – long term

Lessons learned (1)

- During Round 2 DIT training, overall 70% district level staff were newly trained
- Key DIT roles:
 - 64% EPI Focal Persons are newly trained
 - 51% Biostatisticians are newly trained
 - 45% Surveillance Focal Persons are newly trained
- Infrequent supportive supervision on data management and data quality
- High workload at large facilities making it difficult to document all children – perceived need for technology – ‘SPT’ roll out
- Absence of guidance on how to document transit children in immunization registers
- Very few HFs monitor coverage and drop out
 - Immunization monitoring charts needs to be visible, correctly charted **and** up-to-date

Lessons learned (2)

Need for continuous training & mentorship.....



HMIS FORM 073a: CHILD TALLY SHEET
 Health Facility Name: [redacted] Date started: 11/2017 Date finished: [redacted]
 Static/Outreach site/School: State
 Use a separate tally sheet each day of vaccination

ANTIGEN	UNDER ONE YEAR OF AGE				ONE TO 4 YEARS OF AGE			
	MALE	MALE TOTAL	FEMALE	FEMALE TOTAL	MALE	MALE TOTAL	FEMALE	FEMALE TOTAL
BCG	4	4	19	19				
Protection at Birth for TT								
POLIO 0	16	16	20	20				
POLIO 1	10	10	20	20				
POLIO 2	15	15	18	18				
POLIO 3	1	1	1	1				
IPV	1	1	1	1				
DPT-HepB-Hib 1	10	10	17	17				
DPT-HepB-Hib 2	10	10	8	8				
DPT-HepB-Hib 3	1	1	1	1				
PCV 1	10	10	22	22				
PCV 2	15	15	13	13				
PCV 3	1	1	1	1				
Rotavirus 1	1	1	25	25				
Rotavirus 2	10	10	3	3				
Rotavirus 3	15	15	7	7				
MEASLES	2	2	3	3				
FULLY IMMUNIZED								

Conclusions

- System-level change is **not immediate** and happens over a period of time – pressure to achieve rapid impact
- **Improvements** in some districts have been observed in knowledge, skill, and practices between Round 1 and Round 2 time points
 - There is some improvement in **data congruence** across different immunization reporting and recording tools
- The **use of child register** was low across the 2 time points
- Reach of DIT was high – all 128 districts and almost all immunizing health facilities (>90%) have been reached, presenting a great opportunity for capacity building
 - **Sustainability discussions** for subsequent phases

Recommendations

- **Continuous mentorship** and training are needed to improve data quality and use, given high staff turnover
- **Routine supportive supervision** including EPI data quality checks should be considered
- **Guidelines/SOPs** need to be provided to health workers on how to use child registers
- **Further studies** needed to better understand factors impacting immunization data quality
- **Sustainability** is key – integrate activities in District Work Plans

Acknowledgement

- Uganda MOH – UNEPI & DHI
- District Health Offices/ Local Government staff
- US Centers for Disease Control & Prevention
- GAVI
- WHO
- UNICEF
- Partners – JSI, CHAI, PATH, Makerere School of Public Health

THANK YOU!





Closing remarks

Riitta Dlodlo

Senior Advisor, The Union

The Union

International Union Against
Tuberculosis and Lung Disease
Health solutions for the poor



Thank You

U.S. Centers for Disease Control & Prevention/Division of Global
HIV & TB/Global TB Branch

Brittany Moore: bkmoore@cdc.gov

Tori Tully: nts2@cdc.gov

The International Union Against TB & Lung Disease/
The Department of Tuberculosis

John Paul Dongo (The Union/Uganda): jpdongo@theunion.org

Riitta Dlodlo (The Union): rdlodlo@theunion.org

Ritah Mande (The Union/Uganda): Ritah.Mande@theunion.org

The Union

International Union Against
Tuberculosis and Lung Disease
Health solutions for the poor

