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## Why use process indicators for routine immunization and why focus on improving routine immunization data quality?

1. Which process indicators are appropriate for providing real-time system data to demonstrate strengthening of routine immunization (RI) on a pathway to uniformly high immunization coverage that is sustainable over time?

## Methods:

- ## 2. What are the lessons learned across MCSP countries regarding approaches to improve the generation and active user of RI data?

## Methods:

- Desk review of documents (reports, tools, presentations) submitted by country staff related to RI data
- Key informant interviews with MCSP country staff and sub-national level government partners who are familiar with MCSP's efforts in improving RI data

### Relevance/Usefulness, Feasibility, Acceptability, Accuracy/Reliability of Process Indicators at the Sub-National Level



Tanzania Regional Immunization Officer

## Common Data Challenges Noted by Country Staff and Sub-National Government Partners: Factors Contributing to Poor RI Data Quality at Health Facilities

<table><tr><td>Haiti</td><td>Malawi</td><td>Tanzania</td></tr><tr><td>Kenya</td><td>Mozambique</td><td>Uganda</td></tr><tr><td>Liberia</td><td>Nigeria</td><td>Zimbabwe</td></tr><tr><td>Madagascar</td><td>Pakistan</td><td></td></tr></table>	Haiti	Malawi	Tanzania	Kenya	Mozambique	Uganda	Liberia	Nigeria	Zimbabwe	Madagascar	Pakistan		LACK OF RELIABLE DENOMINATOR
Haiti	Malawi	Tanzania											
Kenya	Mozambique	Uganda											
Liberia	Nigeria	Zimbabwe											
Madagascar	Pakistan												
<table><tr><td>Haiti</td><td>Liberia</td><td>Malawi</td></tr><tr><td>Kenya</td><td>Madagascar</td><td>Uganda</td></tr></table>	Haiti	Liberia	Malawi	Kenya	Madagascar	Uganda	STOCKOUT OF TOOLS						
Haiti	Liberia	Malawi											
Kenya	Madagascar	Uganda											
<table><tr><td>Haiti</td><td>Malawi</td><td>Uganda</td></tr><tr><td>Liberia</td><td>Nigeria</td><td>Zimbabwe</td></tr></table>	Haiti	Malawi	Uganda	Liberia	Nigeria	Zimbabwe	MOTIVATION/TRAINING OF HEALTH WORKERS/BEHAVIOR						
Haiti	Malawi	Uganda											
Liberia	Nigeria	Zimbabwe											
<table><tr><td>Haiti</td><td>Mozambique</td><td>Tanzania</td></tr><tr><td>Kenya</td><td>Nigeria</td><td>Zimbabwe</td></tr><tr><td>Malawi</td><td></td><td></td></tr></table>	Haiti	Mozambique	Tanzania	Kenya	Nigeria	Zimbabwe	Malawi			NOT UNDERSTANDING IMPORTANCE OF REPORTING			
Haiti	Mozambique	Tanzania											
Kenya	Nigeria	Zimbabwe											
Malawi													
<table><tr><td>Madagascar</td><td>Nigeria</td><td>Uganda</td></tr></table>	Madagascar	Nigeria	Uganda	HUMAN RESOURCE CONSTRAINTS, LACK OF JOB AIDS									
Madagascar	Nigeria	Uganda											
<table><tr><td>Madagascar</td><td>Nigeria</td><td>Tanzania</td></tr></table>	Madagascar	Nigeria	Tanzania	MULTIPLE REPORTING FORMS/ NO HARMONIZED TOOLS									
Madagascar	Nigeria	Tanzania											
<table><tr><td>Mozambique</td><td>Tanzania</td><td></td></tr></table>	Mozambique	Tanzania		LACK OF SUPERVISION AND FEEDBACK MECHANISM									
Mozambique	Tanzania												

TOOLS AND TRAINING		
Haiti Kenya Liberia	Malawi Mozambique Nigeria	Pakistan Uganda Zimbabwe
DATA QUALITY ASSESSMENT/ DATA VISUALIZATION		
SUPERVISION AND MENTORING		
Haiti Liberia	Malawi Mozambique	Nigeria Uganda
Kenya Liberia	Madagascar Mozambique	Nigeria Zimbabwe
DATA REVIEW MEETINGS		
Haiti Kenya	Mozambique Nigeria	Pakistan Uganda
JOB AIDS/GUIDES		
Madagascar	Nigeria	
DASHBOARD DATA VISUALIZATION		
Liberia	Nigeria	
APPRAISING GOOD PERFORMANCE		
Liberia	Uganda	
GIS FOR MICROPLANNING		
Nigeria		
VACCINE INFORMATION MANAGEMENT SYSTEM		
Tanzania		
DHIS2 TRAINING		
Nigeria		
DATA SPOT-CHECKS		
Nigeria		

Month	Tally sheet	Child Register	Percentage Difference
April '18	~9000	~8200	8%
September '17	~9000	~7500	15%
April '17	~7800	~6000	21%
September '16	~9000	~6800	27%
April '16 (Baseline)	~5800	~3200	38%

DTP3 doses administered

Nigeria Local Government Immunization Officer

- Process indicators are critical for decision making and regularly monitoring the progress of RI activities at the sub-national level as demonstrated in the MCSP supported countries
- Process indicators do not necessarily predict the coverage
- There are also other process indicators which are country-context specific and should be explored and encouraged
- Generating meaningful data and utilizing data for decision making to strengthen RI system, especially at the sub-national level have gained major focus among program managers with impetus from MCSP
- Technical support from MCSP has encouraged government partners to focus more deeply on improving data quality.