

DATA MEASUREMENT & PROJECT INDICATORS

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Session Overview

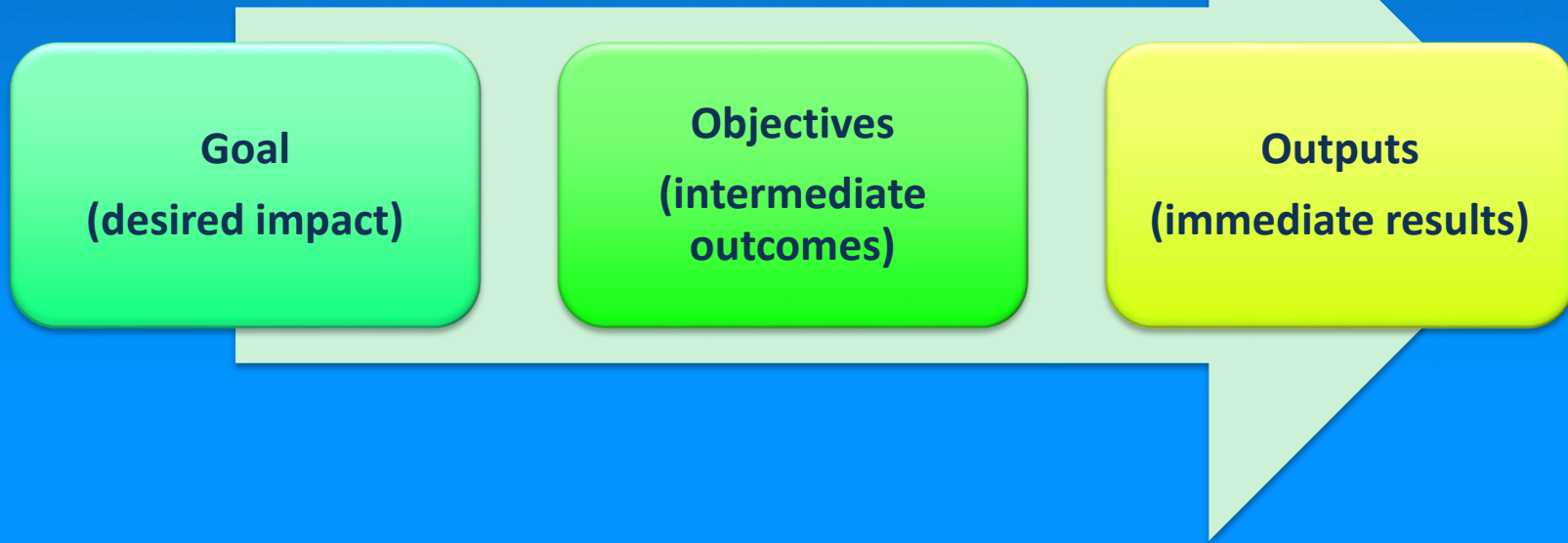
- Recap on the elements of a logic pathway/model
- Logic pathway concepts & definitions
- Approach to Indicator development
- Joint review of M&E matrix (plan)
- Group work – country pairings

Session Overview

- At the end of this session, participants will be able to:
 - ❑ Have a good understanding of the logic pathway
 - ❑ Understand conceptual elements that are part of the logic model used to inform program monitoring
 - ❑ Gain skills in M&E Planning – specifically indicator development - based on well-articulated objectives, outcomes, activities and outputs

Logic Pathway

- A linear approach to help clarify your goal & objectives towards achieving desired short and long-term results

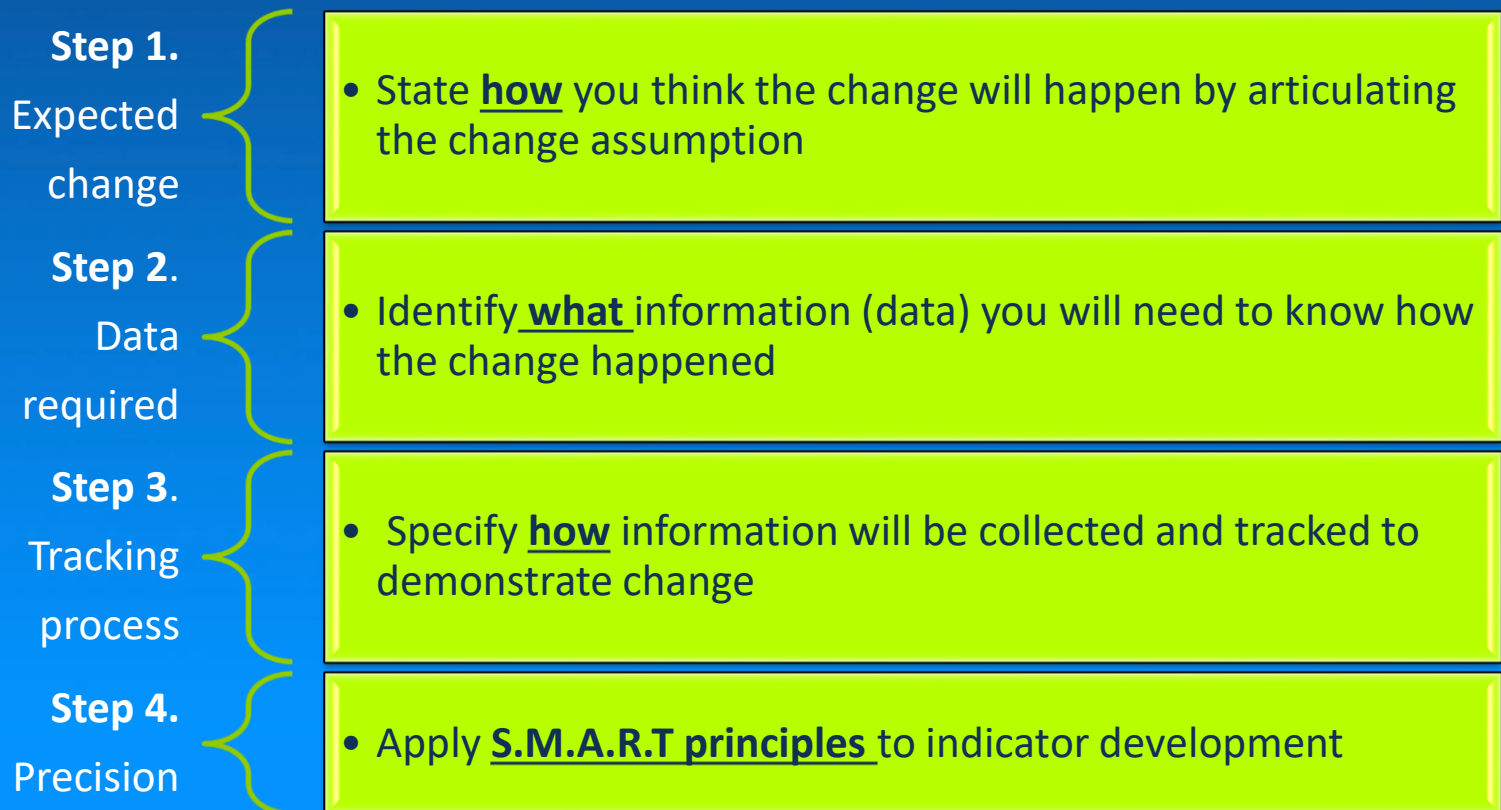


Recap of Key Concepts & Definitions

Concept	Definition	Example
Objectives (desired long-term outcome)	The <u>changes that the project would like to make</u> in order to achieve the overarching goal	To improve retention rate of pregnant and breastfeeding mothers on ART
Output (immediate anticipated outcome)	Statements <u>articulating the direct results that the project would like to achieve in the short-term</u> which directly contribute to the objective	Increase in the number of pregnant and breast feeding mothers enrolled on ART
Activities	<u>Processes and activities</u> done by the project to achieve desired outputs	Monitoring and follow up of pregnant and breast feeding mothers and HEIs on ART
Inputs	<u>Resources</u> (human, financial, technical, organizational or social) used in planned activities	Front-line health providers, mentoring staff, mentoring guideline, ART

What is an indicator?

A specific piece of information that allows you to track the changes you want to achieve.



A good indicator must also be...

- ✓ **Valid:** as accurate as possible
- ✓ **Reliable:** can be measured consistently the same way by different people
- ✓ **Comparable:** can be used in different settings (countries) – for standardization and comparability

What types of indicators are there?

QUANTITATIVE

- Tackles the “*what?*”; “*how many?*”; and “*when?*”
- Numerical
 - Numbers (count)
 - Ratios (%)
 - Rates

EXAMPLE

- *Percent (%) of pregnant women attending antenatal who received an HIV test and know their status*
- *Number of Infants born to HIV-infected women who receive an HIV test within the first two months post-birth*

Operationalizing quantitative indicators

Step 1

What is being measured?

- Give precise definition and metric

Step 2

How is the indicator being calculated?

- What is the intervention/ service/ activity of interest?
- Who/what qualifies to be counted?

Step 3

Determine the numerator and denominator

- Numerator: actual count of individual/ institution that meets requirements in Step 1 & Step 2
- Denominator: Total count of population/ institution surveyed

Operationalizing Indicators - EXAMPLE

INDICATOR – Testing & Counseling

Percentage of women and men aged 15 to 49 years who received an HIV test in the last 12 months and who know their results

CALCULATION INPUTS

- **Numerator:**
 - Number of respondents aged 15 to 49 who have been tested for HIV in the last 12 months who know their results
- **Denominator:**
 - Total number of all respondents aged 15 to 49 surveyed

Operationalizing Indicators - EXAMPLE

INDICATOR – Testing & Counseling

- Percentage of health facilities offering PMTCT services in location X

CALCULATION INPUTS

- **Numerator:**
 - Number of health facilities offering PMTCT services in location X
- **Denominator:**
 - Total number of health facilities surveyed

What types of indicators are there?

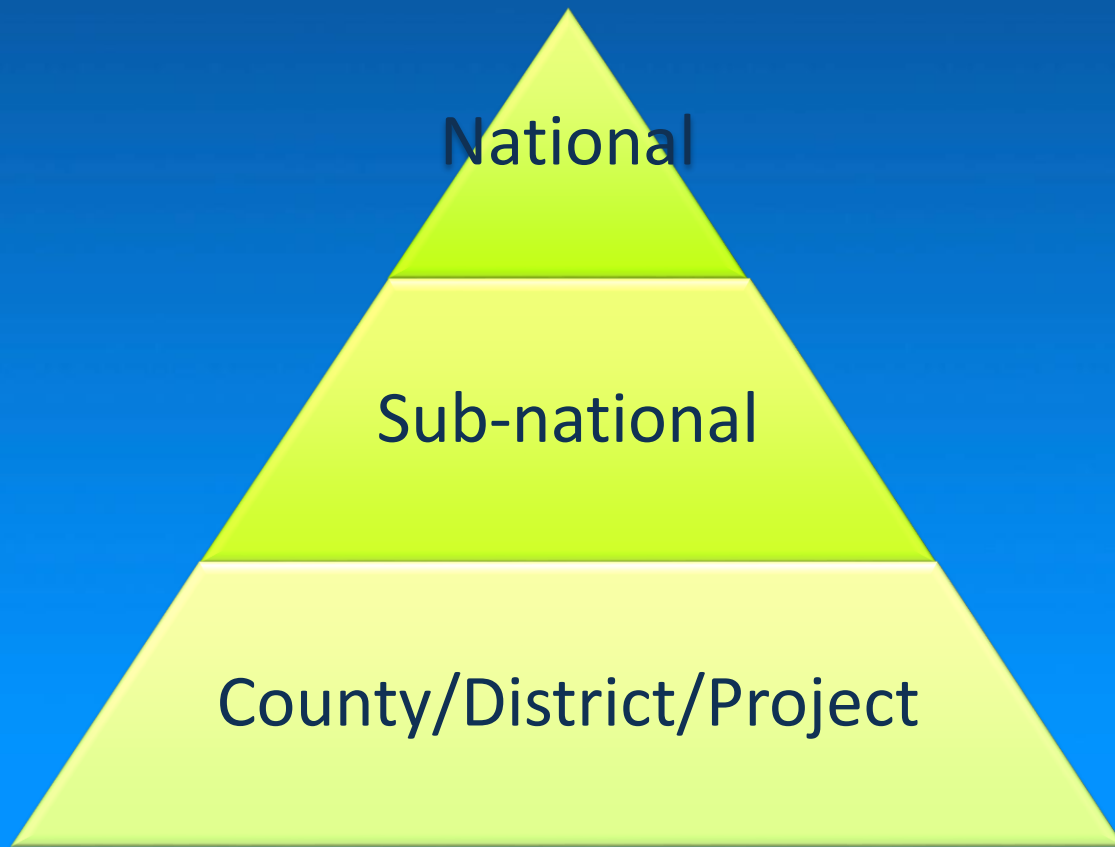
QUALITATIVE

- Tackles the “*what*”, “*why?*,” and “*how?*”
- Data is descriptive prose to document individual or community:
 - Attitudes
 - Perceptions
 - Beliefs
 - Behaviors
 - Motivations

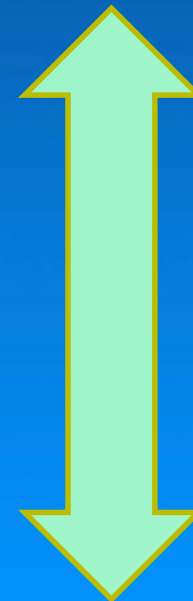
EXAMPLE

- *Evidence of pregnant women and nursing mothers expressing satisfaction with PMTCT services*
- *Task sharing policy launched and disseminated nationwide*
- *Views of nurse & midwife mentees on quality of training in Option B+ received in the past 12 months*

Indicator Pyramid



Less indicators needed



More indicators needed

M&E Plan

Objective 1 (1 objective per slide)	Activities (Please put already <u>completed</u> activities from Action Periods 1& 2 in BLUE)	Anticipated Outcome	Indicator	Tools
	1. 2. 3.			
	1. 2. 3.			
	1. 2. 3.			
	1. 2. 3.			

M&E Plan – EXAMPLE 1

Objective 5 (Zambia) Conduct one mentorship training to empower nurses and midwives who currently provide EMTCT services	Activities	Anticipated Outcome	Indicator	Tools
	1. Mobilized and engage trainers in mentorship and invited nurses and midwives to be trained	4 national trainers mobilized	List of national trainers	Mentorship guideline
	2. Conduct 1 mentorship training	13 Nurses & midwives trained in mentorship	Number of nurses and midwives trained to be mentors	Mentorship training manual & Tools
	<ol style="list-style-type: none"> 1. <i>Identify competent trainers at national level to provide mentorship to nurses & midwives</i> 2. <i>Nursing association/ council to mobilize nurses and midwives for training</i> 	<ol style="list-style-type: none"> 1. <i>National trainers available to provide mentorship training</i> 2. <i>Nurses and midwives mobilized to attend mentorship training</i> 	<ol style="list-style-type: none"> 1. <i>No. of national trainers tasked to provider mentorship training</i> 2. <i>No. of nurses and midwives mobilized to receive mentorship training</i> 	<i>Mentorship Standards</i>
	1. <i>Conduct at least 1 mentorship training</i>	<ol style="list-style-type: none"> 1. <i>Mentorship training workshop held</i> 2. <i>Nurses and midwives empowered to provide mentorship in quality EMTCT services</i> 	<ol style="list-style-type: none"> 1. <i>No. of mentorship training workshops held</i> 2. <i>No. of nurses and midwives trained to be mentors</i> 	<i>Mentorship guidelines and training manual</i>

M&E Plan – EXAMPLE 2

Objective 1	Activities	Anticipated Outcome	Indicator	Tools
<p>(Rwanda)</p> <p>To have conducted a baseline survey on nurses/ midwives knowledge and skills in PMTCT B+ and pediatric HIV by end of Dec 2016</p>	<ol style="list-style-type: none"> 1. Have reviewed survey protocol according to RNEC guidelines 2. Submission and presentation of survey at RNEC and NHRC 3. Conducting survey and reporting 	<ol style="list-style-type: none"> 1. Protocol approved by RNEC 2. Approval by RNEC 3. Findings available 	<p>Available protocol</p> <p>Letters of approval</p> <p>Report of findings</p>	<p>RNEC guidelines, application letters, research protocol....etc.</p>
	<p><i>1. Develop & finalize baseline survey protocol for submission to RNEC for approval</i></p>	<p><i>1. RNEC grants approval to conduct a baseline survey</i></p>	<p><i>1. Baseline survey protocol developed and approved</i></p>	<p><i>RNEC guidelines</i></p>
	<p><i>2. Conduct baseline survey on nurse and midwives knowledge and skills in PMTCT B+ & pediatric HIV</i></p>	<p><i>2. A complete comprehensive report presenting findings on knowledge and skills of nurses in PMTCT B+ & pediatric HIV</i></p>	<p><i>1. Comprehensive report finalized and disseminated</i></p>	<p><i>Survey tools</i></p> <p><i>Analysis framework</i></p>

M&E Plan

Objective 1	Activities	Anticipated Outcome	Indicator	Tools
To improve utilization of EID	<p>Identification of Mentors</p> <p>Briefing Meeting with Mentors</p> <p>Meeting with National EID Coordinators</p>	Awareness of project	<p>Number of mentors Identified</p> <p>Number of Meetings conducted</p>	EID proposal Work plan Funding
	<p>Identification of EID Facilitators</p> <p>Training on EID for Nurses, Clinical officers and Medical Assistant/Health Surveillance</p> <p>Training of Health workers on Respectful care</p>	Increase knowledge on EID	Number off Health workers trained	EID Training Manual

Common M&E Tools (Data sources!)

- Quantitative indicators rely on presence of standardized tools:
 - Checklists
 - Questionnaire (survey)
 - Registration log books/ forms
 - Patient charts
- Qualitative indicators rely on use of the following tools:
 - Observation checklists
 - Interview guides
 - Discussion guides
 - Reports (validated)

BEGIN GROUP WORK

1. Get into country pairs
2. Open your M&E Plan on laptops
3. Check that all supporting tools / documentation are available
4. Upload tool handouts on external drive:
 1. Step 1: Teams review materials from Entebbe (log frames)
 2. Step 2: Teams work on completing Indicator Development Tool: 1hr + min

M&E PLAN FLOW CHART

