

# Data Analytics and Use Working Group: DRAFT Terms of Reference

## Objectives

1. Enhance capacity for data analysis and use at national and sub-national levels
2. Identify barriers and best practices to promote data use, improve access and understanding of data.

## Scope of work

1. Improve analysis and communication of data by a better understanding of the barriers and learning from best practices for stimulating demand and data use. This requires a review of barriers, assessment of efforts to improve data demand and use for decision-making and for accountability by different audiences.
2. Develop strategic guidance on institutional capacity strengthening based on a comprehensive picture of the institutional landscape in countries, regionally and globally, in the field of health data analysis and use.
3. Enhance access to and use by countries of a set of tools for analysis of health data, including data quality assessment, in pre-service and service settings. These include training curricula, guidance on health analysis for health sector and programme reviews, electronic tools and eLearning courses on health data analysis, software packages etc.
4. Strengthen health data analytical capacity and communication, with major attention for institutional capacity strengthening, in five countries. The support is based on country demand for partners to provide coordinated support to enhance the national and subnational capacity for analysis, communication and use of health data.

## Deliverables 2016-2017

### Global

- *Data demand and use:* (1) Review of existing work and presentation and short report (for working group meeting) on barriers to data use, current efforts to improve data use and best practices for data use for decision-making and accountability. (2) A simple tool that countries can use to assess barriers in their own country.
- *Institutional capacity strengthening:* (1) Assessment of country models and experiences with institutional capacity for analysis and use of data. (2) Assessment of country practices in terms of pre-service training – prior to entering the public health workforce - in data analysis & use-related skills. (3) Guidance document for countries on institutional capacity strengthening for health data analysis and communication.
- *Tools:* (1) Presentation and short report/paper (for working group meeting) that describes needs for analytical capacity and tools, mapping of existing and ongoing work, and identification of gaps. (2) Suite of electronic tools to improve analytical capacity as part of a technical package for health data. This suite will be made accessible on the web.

### Country

- Qualitative country assessments in 3-4 diverse countries to understand barriers to analysing and using health data by programme managers. (Potential deliverable – tools to assess barriers to demand and use of data).
- Multi-country review of existing institutional capacity and practices in at least five lower-capacity and three higher-capacity countries to identify priority strategies to strengthen institutional capacity.
- Coordinated support for five countries in response to country demand, including national and sub-national levels, resulting in increased capacity and specific data analysis products.

## Approach and organizational arrangements

Each work stream (scope of work area) will be led by one or more co-lead(s). Activities may be implemented by consultants with the working group developing TOR for consultants and identifying possible consultants. The working group will approve deliverables. This group will work closely with other working groups given the cross-cutting nature of data analytics and use. Possible countries for country activities given ongoing work and opportunities are Kenya, Malawi, Zambia, Mali, Nepal, and Myanmar.

## Data Analytics and Use Working Group Workplan

**Objective 1: Improve analysis and communication of data by a better understanding of the barriers and learning from best practices for data use.**

**Deliverable 1: Consolidated information on barriers to data demand and use and learning from best practices in countries, and a simple tool to assess barriers in countries.**

Products	Lead agency	Accountable	STATUS	Links to other WGs
			as of April 2017	
1. 1 Presentation and short report on barriers to data use, current efforts to improve data demand and use, and best practices for data use for decision-making and accountability	JHU	Melissa	ON-TRACK: Hiring consultant to conduct landscape analysis	
1.2 Simple tool to assess barriers in countries	JHU	Melissa		
1.3 (tbd) Qualitative country assessments in 3-4 diverse countries to understand barriers to analysing and using health data by programme managers.	JHU	Melissa		

**Objective 2: Enhance institutional capacity for data analysis and use at national and sub-national levels.**

**Deliverable 2: Guidance document for countries on institutional capacity strengthening for health data analysis and communication**

2.1 Report of priority strategies to strengthen institutional capacity and multi-country assessment of existing institutional capacity and practices.	WHO			
2.2 Guidance document for countries on institutional capacity strengthening for health data analysis and communication.	WHO			
2.3 Roadmap to support institutional capacity development for academic institutions in LMICs to train future public health professionals in data-related skills	JHU	Melissa	ON-TRACK: Hiring consultant to conduct landscape analysis	

**Objective 3: Improve analytical capacity at country level through enhanced access to and use of a set of tools for analysis of health data.**

**Deliverable 3: A suite of electronic tools to improve analytical capacity as part of a technical package for health data, accessible on the web.**

3.1 Short report/paper mapping of existing and ongoing tools for building capacity for data analytics	UNAIDS/WHO	Mary/Dan	On track: Data collection template being finalized; to be sent to WG members to fill in existing tools	Some related activities in Community data group
3.2 A suite of electronic tools, templates, and guidance to improve analytical capacity as part of a technical package for health data, accessible on the web.	UNAIDS/WHO	Mary/Dan		
3.3 New tools for improving analytical capacity that address identified gaps.				

**Objective 4: Strengthen country health data analytical capacity and communication**

**Deliverable 4: Coordinated support for five countries in response to country demand, including national and sub-national levels, resulting in increased capacity and specific data analysis products.**

4.1 Increased capacity in data analysis and use and specific data analysis products in selected countries.				
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