

## Countdown 2030 Analysis Workshop in West and Central Africa

### ***Theme: Analysis of health facility data for key health system performance indicators***

#### **Key highlights**

The [Countdown to 2030](#) for Women's, Children's and Adolescents' health is a multi-institutional partnership aiming to accelerate momentum to achieve Sustainable Development Goals around ending preventable maternal, newborn, and child deaths. As part of the partnership, African Population and Health Research Center (APHRC) coordinates the Eastern and Southern Africa (ESA) regional Initiative and also provides technical support to the West and Central Africa (WCA) regional Initiative coordinated by the West African Health Organisation (WAHO). After a series of four workshops on RMNCH analysis using survey data (DHS and MICS), the Countdown 2030, in partnership with WHO, UNICEF and APHRC, started analysis workshops on health facility data.

The objectives of the workshops are to:

1. Enhance country capacity for analysis of health facility data;
2. Generate evidence of sub national progress towards the service coverage component of Universal Health Coverage, using health facility data;
3. Share and improve WHO general guidance on health facility data analysis.

The first workshop was organized in November 2018 in Naivasha, Kenya for 18 countries in ESA (see workshop report [here](#)). The second workshop took place in Dakar, Senegal from May 13 to 16, 2019. In total, 61 participants, mainly senior analysts in the ministry of health, public health institutions and academics from 20 countries in WCA, attended the workshop. The Countdown team of facilitators included experts from APHRC, Johns Hopkins University, University of Manitoba, WHO, UNICEF and WAHO. The list of participants and facilitators is provided in Appendix 1.



*Figure 1. Participants and facilitators of WCA health facility analysis workshop, Dakar May 13-16, 2019*

The workshop focused on assessing the quality of health facility data based on routine data collected through health information systems (HIS). Specifically, the analyses looked at the quality of HIS data and morbidity/mortality statistics. Using their country data, participants produced health facility data quality dashboards and prepared annotated graphs to highlight key indicators and issues with the data reporting. Additionally, each country team was able to assess the main causes of death reported from health facilities and to produce annotated graphs on mortality and morbidity trends. Each country results were summarised in country poster that highlighted three dimensions: 1) key measures of health facilities data quality; 2) statistics on RMCH interventions coverage ; 3) quality of the mortality and morbidity data.



*Figure 2. Workshop participants and facilitators assessing country posters*

The country posters were assessed by all participants and facilitators and rated to identify the best two. Posters for Mali and Benin were rated respectively ‘best’ and ‘second best’.

#### ***Workshop evaluation by participants***

Participants were asked to evaluate each session as well as the overall workshop using Mentimeter, an interactive evaluation platform. The majority reported a good understanding of the themes and tools used during the different sessions, and appreciated the quality of the presentations.

Few suggestions were noted, essentially the need to provide more time for exercises. Logistics of the workshop were widely considered strong, in particular the venue.



## Appendix 1: List of participants and facilitators

No	PAYS	NOMS	INSTITUTION
<b>Participants</b>			
1	Bénin	Mr AGOSSOU Mahugnon Christian Urlyss	CERRHUD
2	Bénin	Mr Vodungbo Agossou Hilderbaud	Ministère de la santé
3	Benin	Mr HOUEDJI Gbenanto Rodrigue	Ministère de la santé
4	Burkina Faso	Dr Boukary Ouedraogo	Institut de Santé Publique, Université de Ouagadougou
5	Burkina Faso	Dr Jerome W. Some	Institut de Recherche en Sciences de la Santé
6	Burkina Faso	Dr. Traore Soumaila	Ministère de la santé
7	Burkina Faso	Mr. Dominique Ouedraogo	Ministère de la santé
8	Burkina Faso	Rose Koirine Tinguéri	WHO
9	Cameroun	Dr Franklin Bouba Djourdebbe	IFORD / YAOUNDE
10	Cameroun	Ms. Munji Laura Yensinkem	Ministère de la santé
11	Cameroun	Mr. Wandj Hans Ferry	Ministère de la santé
12	Cameroun	Mr. Serge Marcial Btaliack	WHO
14	Côte d'Ivoire	Mr Kesse Wah Ange Desire	Ministère de la santé
15	Côte d'Ivoire	Zamble Vanie Bi Ta Thunderson	Ministère de la santé
16	DR Congo	Dr Mafuta Eric	School of Public Health
17	DR Congo	Adolphe Ndarabu	Ministère de la santé
18	DR Congo	Eric Katanga	Ministère de la santé
19	Ghana	Dr Ernest Tei Maya	School of Public Health-University of Ghana
20	Ghana	Emmanuel Mwini	Ministère de la santé
21	Ghana	Mr. Daniel Degbotse	Ministère de la santé
22	Guinée	Dr Toure Almamy Amara	Centre National de Formation et Recherche en Santé Rurale de Mafèrinyah (CNFRSR)
23	Guinée	Dr Aminatou Diallo	Ministère de la santé
24	Guinée	Dr Amadou Tidiane Barry	Ministère de la santé
25	Mali	Mr Ibrahim Terera	Centre de Recherche, d'Études et de Documentation pour la Survie de l'enfant (CREDOS)
26	Mali	Dr Mamoudou Diabate	Ministère de la santé
27	Mali	Dr Samba M.S Keita	Ministère de la santé
28	Niger	Dr Boubacar Maïnassara Halima	Centre de Recherche Médicale et Sanitaire (CERMES)
29	Niger	Dr Mounkaila Aida	Ministère de la santé
30	Niger	Dr Laurent Comlan Mariame	Ministère de la santé
31	Niger	Tombokoye Harouna	WHO
32	Nigéria	Mr Temitope Erinfolami	PhD Student OAU
33	Nigéria	Mr. John Bisong	Ministère de la santé
34	Nigéria	Mrs. Yetunde Hussein	Ministère de la santé
35	Nigéria	Ukor Nkiruka	WHO
36	Sénégal	Dr Khadim Niang	Institut de Santé et Développement-Université Cheikh Anta Diop
37	Sénégal	Ousmane Diouf	IRESEF-Diamniadio
38	Sénégal	Mr Samba Niaye	Agence Nationale de la Statistique et de la Démographie (ANSD)

39	Sénégal	Mr Papa Ibrahima Ndour	Ministère de la santé
40	Sénégal	Mme Ngoné Seck	Ministère de la santé
41	Sénégal	Maria Eleanor Reserva	UNICEF Sénégal Office
42	République Centre Africaine	Mr Jean Charles Happy Tchokote	Ministère de la santé
43	République Centre Africaine	Mr Sain-Cyr Sylvanus Koyato Lapelou	Ministère de la santé
44	Tchad	Mr Miangotar YODE	Université de N'Djamena
45	Tchad	Mahamat Zene Youssouf	Ministère de la santé
46	Tchad	Fadallah Djibrine	Ministère de la santé
47	Congo Brazzaville	Jean Blaise Richard Koundika	Ministère de la santé
48	Congo Brazzaville	Leonce Rachelin Mialoundama	Ministère de la santé
49	Gabon	Dr Ulrick Bisvigou	Université des Sciences de la Santé du Gabon
50	Gabon	Emmanuel Assoumou Nka	Ministère de la santé
51	Gabon	Patrice Mouele Moukoumou	Ministère de la santé
52	Guinée Bissau	Mr. Julio Vieira	Ministère de la santé
53	Guinée Bissau	Horacio Semedo	Ministère de la santé
54	Libéria	Mr. Nelson K. Dunbar	Ministère de la santé
55	Libéria	Mr. J. Mike Mulbah	Ministère de la santé
56	Cap Vert	Dr Yorleydis Rosabal	Ministère de la santé
57	Cap Vert	Eliseu Tavares	Ministère de la santé
58	Sierra Léone	Mr. Ibrahim Koroma	Ministère de la santé
59	Sierra Léone	Mr. Dauda Kamara	Ministère de la santé
60	Togo	Dr Tchaniley Ganiou	Ministère de la santé
61	Togo	Mr Anani Kossi	Ministère de la santé
<b>Facilitateurs</b>			
1	Kenya	Cheikh Faye	APHRC
2	Kenya	Martin K. Mutua	APHRC
3	Sénégal	Ndèye Awa Fall	APHRC
4	USA	Abdoulaye Maiga	JHU
5	USA	Safia Jiwani	JHU
6	USA	George Mwinnyaa	JHU
7	Canada	Dessalegn Melesse	U. Manitoba
8	Canada	Ties Boerma	U. Manitoba
9	USA	Tyler Porth	UNICEF
10	Switzerland/Geneva	Kates Strong	WHO
11	Switzerland/Geneva	Chelsea Taylor	WHO
12	USA	Bob Pond	WHO Consultant
13	Burkina Faso	Tome CA	WAHO
<b>Assistants administratives</b>			
1	Sénégal	Ndèye Magatte Gueye	APHRC
2	Kenya	Corretta Tira	APHRC

## Appendix 2 : Workshop agenda

Day 1	Monday, 13 May 2019	Moderator: Cheikh Faye (APHRC)	Materials
8:30	Registration		
9:00	<b>Session 1: Opening and general introduction of WHO DQ &amp; analysis modules for health facility data analysis</b>		
	Welcome and introductions	WHO, Countdown to 2030, WAHO, UNICEF, APHRC	
	Purpose and methods of the workshop	Ties Boerma (Countdown)	Slides #1a
	WHO data standards for routine data: definitions, indicators, system of modules for data quality, analysis and interpretation; DQA module in DHIS2	Bob Pond (consultant to WHO)	Slides #1b
	Survey of current practices in countries including experiences with DQ modules	Interactive polling with all participants	
	Introduction of the methods and outputs of data quality review – part 1	Abdoulaye Maïga & Ties (Countdown – JHU)	Slides #2
11:00	<i>Coffee / tea break</i>		
11:30	<b>Session 2: Health facility data quality dashboard</b>		
	Introduction of the methods and outputs of data quality review – part 2	Continued	Slides #2
	Country data analysis: spreadsheets and uploading country data <ul style="list-style-type: none"> <li>- Adjustment for incomplete reporting</li> <li>- DQ metrics for reported events (numerators) computation and presentation</li> <li>- Assessment of denominators, DQ metrics and possible solutions</li> <li>- National and district level analyses</li> </ul>	Abdoulaye Maïga & Ties (Countdown – JHU)	Dashboard/ Spreadsheet
13:00	<i>Lunch break</i>		
14:00	Exercise session #2: develop data quality dashboard and graphics for national and subnational levels	Country teams	Exercise sheet #2 Dashboard Tool #2
15:30	<i>Coffee / tea break</i>		
16:00	<i>Continued</i>	Country teams	
17:30	End day 1		

Day 2	Tuesday, May 14	Moderator: Tome WAHO	Materials
	<b>Session 2: Health facility data quality dashboard – continued</b>		
8:30	Introduction: review and issues in data quality review dashboard preparation	Abdoulaye Maïga	
9:30	Exercise session #2: continued develop data quality dashboard and graphics for districts or other subnational units		
11:00	<i>Coffee/ tea break</i>		
11:30	<b>Session 3: Analysis and presentation of access/coverage/quality indicators from health facility data</b>		
11:30	Introduction of the methods, outputs and tools		
	1: Comparative analysis, presentation and interpretation of survey and facility-based statistics	Tyler Porth / Chelsea Taylor	Slides #3
	2: Computation and presentation of populations not utilizing services	Safia Jiwani	
	3: Computation of indexes, methods and interpretation	Dessalegn Melesse	

	4: Stratified analyses and presentation of district results and rankings	Candy Day	
	5: Private sector and health facility data analysis	Ties Boerma	
12:30	<i>Lunch break</i>		
14:00	Exercise session #3: assessment and improvement of denominators for coverage indicators; development of access – coverage - quality dashboard for UHC; national and district levels; using facility and survey data	Country team work	Exercise sheet #3
16:00	<i>Coffee / tea break</i>		
16:30	Continued exercise 3		
17:30	End day 2		
<b>19:00</b>	<b><i>Reception &amp; dinner</i></b>		

Day 3	Wednesday, 15 May	Moderator: Tyler/Maria	Materials
8:30	Continuation coverage analyses and preparation poster session	Country teams	
10:30	<i>Coffee / tea break</i>		
11:00	Poster assessments, Poster voting and award	All	
12:00	Selected short country presentation on analyses and communication of health facility data analyses on access / coverage / quality of interventions	Winners of the poster assessment	
13:00	<i>Lunch break</i>		
14:00	<b>Session 4: Quality of mortality and morbidity statistics from facility data</b>		
14:00	Introduction of methods, outputs and tools: morbidity and mortality data quality dashboard	Ties Boerma & Dessalegn Melesse	Slides #4
	Exercise 4: Computation of coverage deaths by health facilities & mortality and morbidity data quality dashboard, including garbage code estimation		Exercise sheet #4 Tool #4
16:00	<i>Coffee / tea break</i>		
16:30	Introduction of indicators, methods, outputs and tools: <ul style="list-style-type: none"> <li>- Redistributing garbage codes</li> <li>- Regrouping causes</li> <li>- Age-sex patterns, levels and trends, population rates, case fatality rates in institutions, time trends,</li> <li>- Comparison with burden of disease studies</li> </ul>	Dessalegn Melesse & Ties Boerma	Slides #5
17:30	End day 3		



<b>Day 4</b>	<b>Thursday, 16 May</b>	<b>Moderator: Kate/Chelsea</b>	<b>Materials</b>
8:30	Exercise Session#5: Country data analysis: mortality and morbidity statistics dashboard, computation, interpretation and presentation of results	Introduction & country work	Exercise sheet #5 Tool #5
11:00	<i>Coffee/ tea break</i>		
11:00	Continuation of exercise and preparation of posters	Country teams	
12:30	Lunch break		
13:30	Assessment of posters – awards	All	
14:30	Selected short country presentation on analysis and communication of health facility data on mortality and morbidity	Winners of the poster assessment	
15:00	Synthesis presentation	Facilitators	
15:15	Way forward and evaluation of workshop	All	
15:30	<i>Closure</i>		