



**EAST AFRICAN COMMUNITY
SECRETARIAT**

**ROADMAP FOR TRANSFORMING THE CURRENT SCORECARD INTO A DIGITAL
SCORECARD FOR FULL REALIZATION OF THE EAC REGIONAL HEALTH DATA
WAREHOUSE AND EAC INTEGRATED HEALTH SCORECARD DASHBOARD**

CONCEPT NOTE

NOVEMBER 2021

**EAC SECRETARIAT
P.O. BOX 1096
ARUSHA, TANZANIA**

1. Background

The 14th Ordinary Meeting of the Summit of the EAC Heads of State held on 30th November 2012 through its communiqué re-affirmed their commitment to the promotion of accountability for results and resources, innovative interventions and improved access to health data, information and knowledge sharing for better results, better tracking and stronger oversight on results and resources for women and children's health. In line with this policy position, the EAC Partner States have prioritised the development of periodic scorecards, a regional data warehouse and resource tracking.

In this regard, the EAC Secretariat, collaborating with the Partner States and Development Partners, implemented a regional data-warehouse and annual regional Reproductive Maternal Newborn Child and Adolescent Health (RMNCAH) Scorecards improving access to health information and knowledge sharing across the Partner States. The data warehouse is implemented using District Health Information Software 2 (DHIS2), enabling advanced indicators analysis and making it easy to present the information through tables, charts, and maps. The same software is used as the backbone of the national Health Information System (HIS) in all countries in the region. This facilitates the interoperability between the national and regional databases and means that there is already a good knowledge of the system within the region.

Currently, the regional platform is linked to the Partner States national HIS, automatically pulling health data and feeding into the agreed regional indicators. Similarly, a web portal has been developed to disseminate regional statistics extracted from the regional platform.

There is a need to have a roadmap for strengthening the regional health information use through modernizing the existing platforms. In order to strengthen the existing platforms it is important to conduct an evaluation at regional and national levels to see the strengths and gaps that can be addressed to digitize the health scorecard and ultimately increase the utilisation of regional data warehouse and scorecard for planning and decision making.

2. Main Objective

The main purpose of this initiative is to strengthen data and information use within the Partner States by utilising regional and national digital platforms.

2.1 Specific Objectives

- To conduct a rapid assessment to identify the challenges, opportunities within the region for improving information use.
- To improve the functionality of the EAC regional health data warehouse by assessing the systems and sub-systems that integrate with it this from Partner States
- To promote the use of regional health information through digital innovations.

3. Expected deliverables

- i. Rapid assessment report outlining findings and recommendations for improving data and information use across the Partner States.
- ii. Improved EAC regional health data warehouse with updated indicator list covering key health interventions from different systems and sub-systems
- iii. Availability of the digital EAC regional Integrated health scorecard for public consumption.
- iv. Availability of digital innovation for improving data quality and use across Partner States

4. Methodology

The implementation of the initiative will be done in three phases. The phases will be interlinked, paving the way for lessons from one phase to be incorporated in the follow-up phase.

5. Roadmap for transforming the current Scorecard into a Digital Scorecard for full realization of the EAC regional health data warehouse and EAC Integrated health scorecard dashboard

First Phase: Conducting a rapid assessment across Partners States and at the regional level:

1. Assess the utilisation of the regional data warehouse and regional scorecard by Partner States. This will include prioritisation of indicators, identifying of available data sources, stakeholders and resources for the regional data warehouse.
2. Understand the gaps, challenges, achievements and opportunities for improving data use across the region.
3. Collect views of strategies for operationalisation of the regional data warehouse across the Partner States. This will include developing a more robust re-design for the regional system serving the regional purpose and needs.
4. Develop a capacity building workplan for the region with mitigation for the retention challenges.

Second phase: Implementing a digital EAC regional Integrated scorecard for public use.

1. Developing a dissemination plan which will include the level of information to share across Partner states, the nature of the stakeholders and their needs, how such information will be shared.
2. Implementing data quality and validation checks to improve the quality of the information shared and the reliability of the data.
3. Developing a user-friendly, easily accessible regional digital integrated health scorecard. The scorecard will have mechanisms for users to interact with it, such as displaying indicator trends and progress achieved over the years.
4. Utilisation of digital tools to improve regional information use, such as the use of social media platforms and interactive visuals to facilitate informed actions by data managers.
5. Documentation of the implementation of the regional digital integrated health scorecard.

Third phase: Promoting information use across the region

1. Developing a work plan for using regional health information within regional meetings. In particular, establishing regular meetings or engagements where the Partner States technical teams will discuss health intervention progress using information extracted from the EAC regional data warehouse and scorecard system.
2. Implementation of regional dashboards and analytics tools for analysing regional information.
3. Build regional capacity for analysing and using information and sharing knowledge.
4. Promoting regional research around information use by engaging regional and international universities and academicians.
5. Implementing mechanisms for accommodating and responding to user requests for regional health information.
6. Promoting the use of regional information by developing regular bulletins and notifications to regional and national level data managers.
7. Developing Mobile based applications for disseminating regional information.

6. Approach

A consultant or facilitator will be engaged under the supervision of the EAC Secretariat to lead the process in consultation with regional experts. Physical field visits will be conducted to each Partner State and at the regional level. This will be followed by a series of working sessions whereby the regional experts will review and validate the findings of the field visit reports.

The scope of this initiative will be focused only at the regional and national levels. At the regional level, the EAC Secretariat and other regional bodies will be involved in this initiative. At the national level, experts in the MoH and health programmes will be engaged. Other key stakeholders will be engaged based on the relevance of the initiative, such as the ones who generate data, data analysis experts and information consumers.

7. Duration

1st phase: Proposed 15-30 days from the date of formal communication with the Partner States.

2nd & 3rd Phase: Will depend on the outcome of the assessment of e-preparedness of each Partner State.

8. Place of assignment

The assignment will be conducted both physically and virtually.

9. Coordination

The initiative for strengthening Information use across EAC Partner States will be coordinated by the EAC Health department and the respective National Ministries responsible for Health in Partner States as it is always done in managing health data and related systems.

10. Financial, Legal or Technical Implications related to implementation:

EAC Secretariat in collaboration with other partners will fund this initiative.

This assignment is governed and shall be construed and interpreted under the laws applicable to EAC Secretariat.

The EAC reserves the sole and exclusive right to ownership and use of all information and materials or copies thereof (including source codes, documentary, audio, digital, cyber, project documents, data) relating to this assignment and submitted by the EAC to the Consultant/Facilitator to facilitate their performance of this assignment. Such information and materials or copies thereof, shall remain the property of the EAC, and the Consultant/Facilitator shall upon finishing the assignment, hand over all such information, materials and copies thereof to the EAC.

The Consultant shall not publish, use, cite, refer or share with a third party any information and material produced by the Consultant/Facilitator without prior authorization by the EAC Secretary General.

Timeline for the Roadmap

SN	Activity	Description	Time frame
1	Rapid assessment (Partner States level)	<ul style="list-style-type: none"> Assess the Infrastructure used (such as DHIS2) for routine data collection Assess other sub-systems such as Immunizations systems that feed data to data warehouse Assess the Indicators (presented on EAC scorecards and other) collected within the Partner State Assess existing national level data warehouse and scorecards functionality Proposing harmonising the source of data (either routine/survey) Setting up the uniformity of period to report to EAC among the Partner States Assess whether the human resources trained are still in place 	Jan 2022
	Rapid assessment (Regional level)	<ul style="list-style-type: none"> The indicators still existing To check if the data received from the Partner States or not at the time required Assess existing data warehouse and scorecards functionality at regional levels Assess whether the human resources trained are still in place 	Jan 2022
2	Regional validation workshop of findings (Virtually)	<ul style="list-style-type: none"> Validating findings from each Partner State Develop a regional report 	Feb 2022
3	Workshop on digitalisation of scorecard (modernising)	<ul style="list-style-type: none"> Using the recommendations of the studies to develop the EAC digital Health Scorecard Dashboard Identify the user (who are most advisor) Visualisation of scorecard (attractive) Data reliability Easy of assess - configuration of scorecard User friend to all devices accordingly in term of visualisation 	March 2022
4	System strengthening	<ul style="list-style-type: none"> Developing validation option within the Data warehouse to guide the information submitted from each Partner States Ensuring that the system have the copy right 	April 2022
5	Systems validation	RMNCAH and HIV/AIDS Managers & Other Key Users workshop to validate the system	April 2022
6	Initiatives for Promoting Data use/utilization	<ul style="list-style-type: none"> Develop short videos and direct link for scorecards access directives Create notification to signatures 	May 2022

		<ul style="list-style-type: none"> • Encouraging university and pre-university students and research institution to use scorecard data for their academic publications to promote research • Scorecards accessed to general population via social platforms • Convene national level meetings to review shared data and perform bottleneck analysis • Convene a EAC RMNCAH Manager's meetings (physically and virtually) before each Sectoral Council to evaluate the performance of the indicators and determine data gaps, quality issues and report to the Sectoral Council of Ministers of Health to suggest intervention measures to be used • Engage university and pre-university students to use scorecard data for their academic publications to promote research • Advocating for Institutional data such as through the use of MPDSR while making sure that the data sources are of good quality and are representative of the population 	
7	Advanced and Basic Training of users of the digital platform	<ul style="list-style-type: none"> • Capacity building to systems administrators and other users 	May 2022
8	Developing System Documentations and other Sustainability plans	<ul style="list-style-type: none"> • Develop System Documentations and other Sustainability plans for technical and non technical users 	May 2022
9	Document the success of the digital scorecard and other platforms through publications and presentations to different fora	<ul style="list-style-type: none"> • Publish articles • Present the digital scorecards to regional level for a such as EALA, Council of Ministers and at national level parliaments • Make presentations at scientific conferences 	June 2022
10	Regular Forums of Health Informatics experts to review the performance of the digital platform	<ul style="list-style-type: none"> • To meet regularly physically and visually 	Jan - Dec