Optimizing COVID-19 Vaccination Data Investments for the Future: The COVID-19 to Routine Immunization Information System Transferability Assessment (CRIISTA)

Webinar | May 24, 2023
Language / Langue

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Presenters

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Our Project

MOMENTUM Routine Immunization Transformation and Equity envisions a world in which all people eligible for immunization, from infancy throughout the life-course, and particularly underserved, marginalized, and vulnerable populations, are regularly reached with high-quality vaccination services and use them to protect their children and themselves against vaccine-preventable diseases.
1. INTRODUCTION
   • Problem Statement
   • Background and Development

2. FRAMEWORK AND IMPLEMENTATION OVERVIEW
   • CRIISTA Toolkit Contents
   • CRIISTA Roles
   • Implementation Overview
   • Domain Overview
   • Suitability Assessment Workshop

3. Discussion/ Q&A
Problem Statement

• In response to COVID-19 (C19), many stakeholders (including MOHs, funders, and implementing partners) prioritized the development and implementation of C19 immunization information systems (IISs).

• There is now interest in understanding the effectiveness and usefulness of transferring and scaling these C19 IISs for use in routine immunization (RI).
Type in the chat:

What type of C19 immunization information system or data system is your country using?
The CRIISTA Framework: An Overview

- **Goal**: To guide decision-making about *whether* to transfer or scale-up a C19 IIS for RI.
- **Developed** based on existing frameworks; revised based on feedback from beta testing in Kenya, as well as user feedback.
- **Intended users**: MOH, EPI, and HMIS decision-makers and program managers.
- **Scope**: Context, Functionality, Technology, Users, and Resources for both the existing (C19) and proposed (RI) IIS.
- **Process**: Information is gathered (via desk review and key informant interviews) and then synthesized and summarized for use by decision makers during an in-person consensus building workshop.
The CRIISTA Toolkit

- User Guide (PDF)
- CRIISTA Framework Content (PDF)
- Information Collector & Calculator (Excel)
- Suitability Assessment Workshop Template (PPT)
- Consensus Calculator: Consensus Input
CRIISTA Roles

- **Implementation Team:** Core team responsible for administering the assessment, collecting information, and facilitating the final consensus-building workshop.

- **Advisory Panel:** EPI directors, senior MOH officials, and others with decision-making authority who have an interest in understanding whether or not it is appropriate to scale the C19 IIS to RI. It is chaired by a senior official or staff member who also ensures engagement and participation from key informants and other advisory panel members.

- **Key Informants:** Subject matter experts, including IT managers, national or regional EPI leaders, and others whose practical subject matter expertise contributes to the information collection and synthesis.
CRIISTA Implementation Overview

1. Setup and Planning (1 week)
   CRIISTA team meets to work plan, including identifying key decision-makers, key informants, and other stakeholders.

2. Information Collection and Synthesis (2 weeks)
   Information is collected on both the existing C19 and proposed RI IIS via desk review and key informant interviews. That data is synthesized to illustrate potential strengths, weaknesses, challenges, and opportunities related to scaling the IIS to RI.

3. Suitability Assessment Workshop (1-2 days)
   A workshop with all CRIISTA participants is convened to review the synthesized findings, complete a suitability assessment, and build consensus.
Domain 1 Overview: Context

The purpose of this section is to assess (1) the extent to which a C19 IIS is aligned with immunization and digital health strategies and plans and (2) if it is a priority for key decision-makers.

SAMPLE QUESTION AND PROMPTS:

- What is the current level of political support and ownership of the existing C19 IIS, and the proposed RI IIS?
- Please describe the national strategy and guidance for both immunization and eHealth
Domain 2 Overview: Functionality

The purpose of this section is to assess if the C19 IIS (1) would meet the needs of the RI context, (2) be an improvement from the current RI system and processes, and (3) could be easily integrated into current RI systems and processes.

SAMPLE QUESTIONS AND PROMPTS:

- Are the following specific IIS functionalities included in the C19 IIS? (EIR, HMIS, eLMIS, civil registration/vital statistics, AEFI, etc)
- Which specific IIS functionalities would best address immunization and IIS challenges? Please indicate each as high, moderate, or low priority.
The purpose of this section is to assess (1) if the current HIS infrastructure is adequate to support the proposed IIS and (2) if the C19 IIS is well-aligned with the HIS ecosystem.

SAMPLE QUESTIONS AND PROMPTS:

- What hardware is required for both the C19 and proposed (RI) systems?
- Please list any national or subnational databases with which the IIS exchanges data with (identity, logistics, HMIS, etc).
- Please describe electricity and connectivity dependencies of the existing (C19) IIS, as well as the availability of electricity and connectivity in areas where the proposed (RI) system would be deployed.
- Would the IIS need to rely on or require data from external sources or databases?
Domain 4 Overview: Users

The purpose of this section is to assess (1) the usability of the IIS and (2) whether infrastructure and resources exist to train and support users for the proposed RI IIS.

SAMPLE QUESTIONS AND PROMPTS:

- Who are the users of the C19 IIS? And who would use the proposed RI IIS?
- What resources are currently in place to support potential IIS users to perform RI data tasks?
  - Pre-service education
  - Off-site, in-service trainings
  - Online trainings
  - Supportive supervision/mentorship
  - User guides
Domain 5 Overview: Resources

The purpose of this section is to assess if there are (1) sufficient financial resources and (2) technical expertise to support the transfer and scale-up of the C19 IIS to the RI context.

SAMPLE QUESTIONS AND PROMPTS:

- What are the major recurring costs for C19 IIS implementation? Please provide an estimated cost/range for each major cost category.
  - Hardware
  - Software and software development
  - Infrastructure
- Will the RI IIS require additional recurring costs?
These Five Domains Populate the Information Collection and Workshop Slides
Reaching Consensus: The Suitability Assessment Workshop

**Objective:** To review the information collected and co-create recommendations with CRIISTA participants and key decision-makers.

**Tools:**
- Workshop slides with facilitation notes
- Excel-based calculator
Panel Discussion
Is the CRIISTA framework relevant to your context and useful for your work?

- It is not really relevant to my context.
- It is relevant to my context, but we don’t need this type of framework or we have already made our decision without it.
- It is relevant to my context, and I am interested in exploring it further.
Follow-up

We currently have funding and resources to support a deployment of the CRIISTA framework. If you are interested in working with us, please reach out to schedule a follow-up conversation.

- Jessica Shearer - jshearer@path.org
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Q&A Session
Evaluation

Please scan the QR code below to share your feedback on today’s webinar.
THANK YOU

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