

Evaluation of the use of Adverse Events Following Immunization (AEFI) DHIS2 module on the Performance of AEFI Surveillance System in Sierra Leone

District Health Information System 2 (DHIS2) AEFI module evaluation overview

The Intervention

The DHIS2 AEFI module developed (Dec. 2020) to support WHO's Global Vaccine Safety Initiative and installed by Sierra Leone by April 2021 to capture doses administered, schedule appointments and mild or acute adverse events.



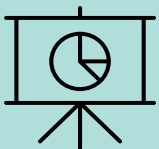
Evaluation Purpose

Identify lessons learned from early implementation of the DHIS2 AEFI module across countries that present with different contexts.



Methods

- Mixed methods across all levels assessing impact on:
 - Data management system, people, & infrastructure
 - Data quality, use, & processes



Use Results to:

- inform system, process, and data quality improvements at national and global levels
- strengthen the use of AEFI data for timely decision-making.

Evaluation Questions

1. What are the factors that inhibit or facilitate the AEFI DHIS2 module's use?

Overall System “friendliness”

People

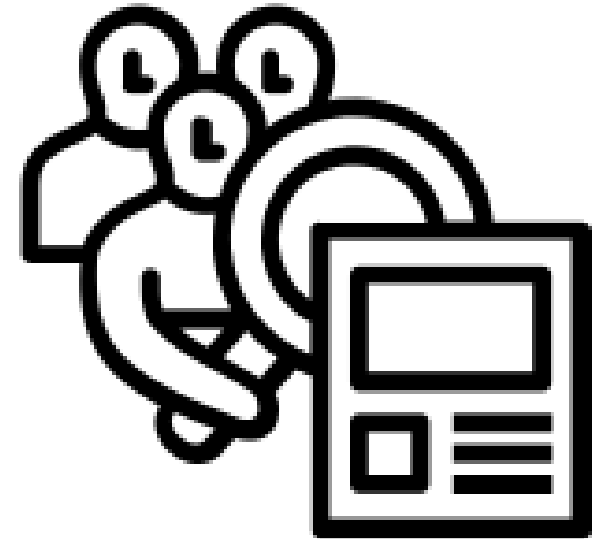
Infrastructure

2. How does use of the AEFI DHIS2 module affect AEFI reporting/monitoring outcomes such as:

Data Quality

Data Use

Data Processes



Country selection was driven by the following criteria:

- Country interest and readiness
- Geographic representation
- DHIS2 system maturity and technical infrastructure support

Health Facility Selection Criteria

Include:

Currently reporting COVID-19 AEFI cases into the AEFI DHIS2 module

- Representativeness of variety of facility type and characteristics
- Geographic representation

Exclude:

- Not accessible by car
- Too far away to enable data collection within a five-day data collection period

Collaborators

MOH/Government

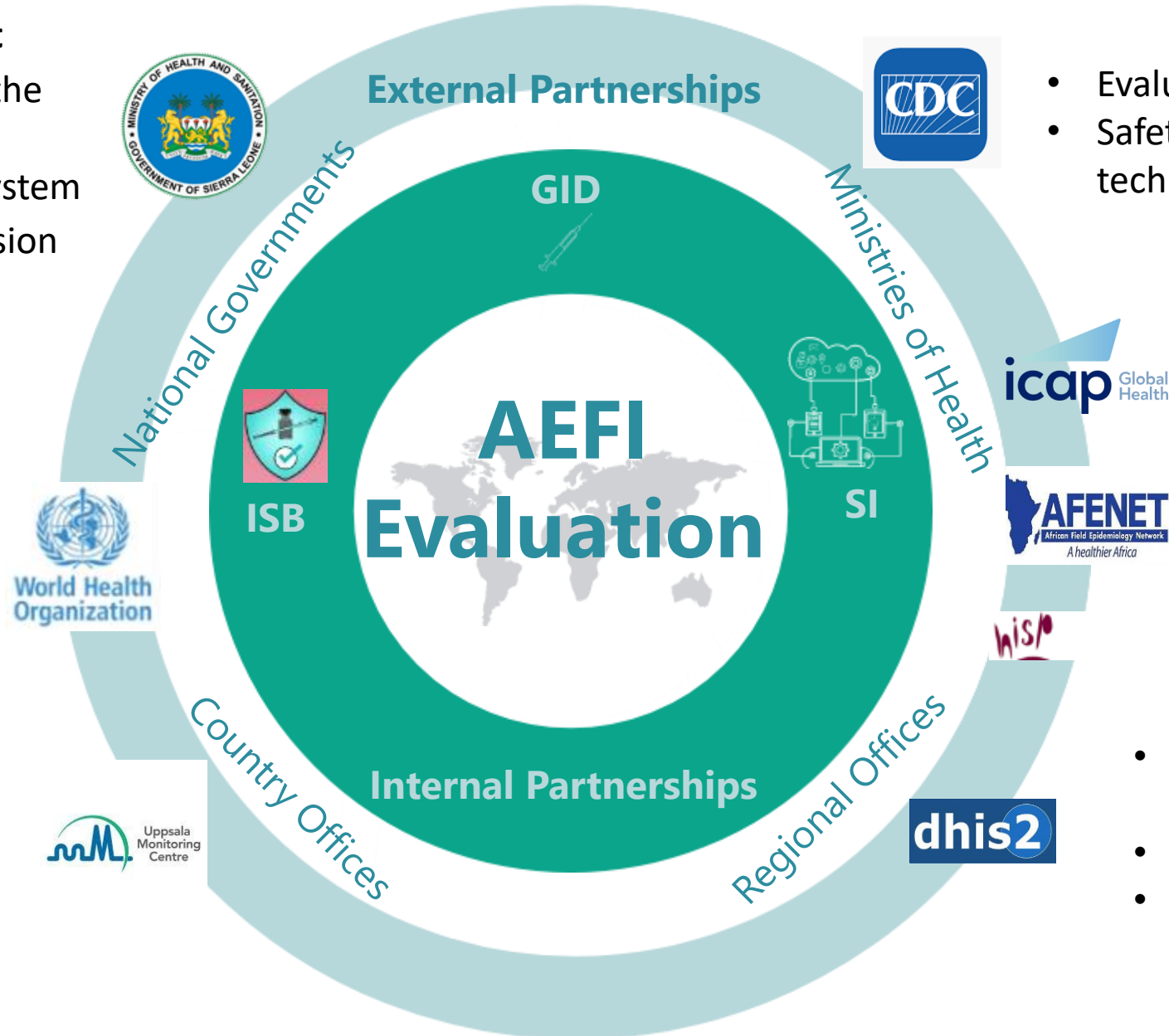
- Contribute to several of the evaluation components
- Use results to improve system
- Use of AEFI data for decision making

WHO

- Coordination
- Advocacy
- Dissemination

UMC

- Input on Regulatory System
- Use results to inform interoperability etc.



CDC

- Evaluation lead
- Safety and informatics technical expertise

ICAP & AFENET (implementing partner)

- Data collection & tools
- In-country Coordination
- Technical expertise

UiO/DHIS2 & HISP

- Informatics technical input
- Implementation status
- Use results for change

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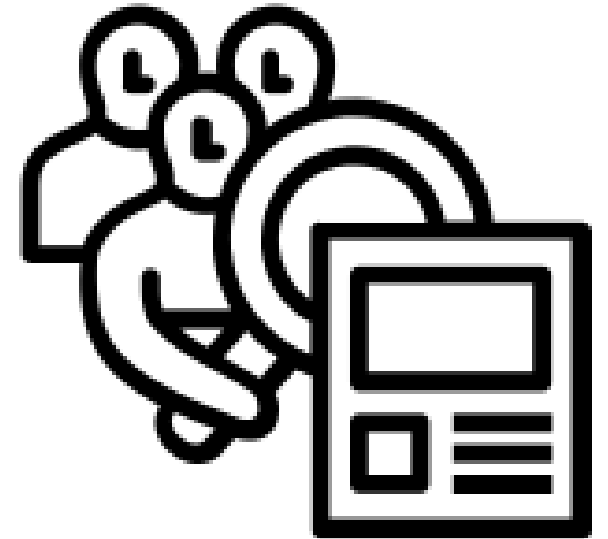
Infrastructure

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Evaluation Procedures

Admin Level	Respondents	Data collection Method
Facility	<ul style="list-style-type: none"> 18 Facility level data clerks 	<ul style="list-style-type: none"> Key Informant Interview
District	<ul style="list-style-type: none"> 7 District AEFI Committees 	<ul style="list-style-type: none"> Focus Group Discussions
National	<ul style="list-style-type: none"> EPI Program Manager 	<ul style="list-style-type: none"> Key Informant Interview
	<ul style="list-style-type: none"> M&E Officer and AEFI Focal Person 	<ul style="list-style-type: none"> Key Informant Interview
	<ul style="list-style-type: none"> Causality Committee Rep 	<ul style="list-style-type: none"> Key Informant Interview
Partners	<ul style="list-style-type: none"> ICAP, AFENET, WHO, UiO 	<ul style="list-style-type: none"> Focus Group Discussions
Cross level (Facility and District)	<ul style="list-style-type: none"> 18 Facility and 7 District Data clerks 	<ul style="list-style-type: none"> Data Quality Audit

Thank You

