
Data collection

Differentiating Snakebite Envenoming

17 July 2025

Case/event-based surveillance

- Data on snake bite cases are usually collected from health facilities routine reporting system (DHIS2 - aggregate data and EWARS)
- Report typically include:
 - Number of snake bite cases
 - Age and sex of victim
 - Location of bite
 - Outcome (referred, recovery, death)
- **Limitation:** These systems do not consistently differentiate between envenomed and non-envenomed bites, nor do they capture the type of envenoming

Clinical documentation (Manual or paper-based)

- At point of care – signs and symptoms suggesting envenoming are recorded
- Limitation: records are often not digitized and under reporting is another issue

... the type of immunoglobulin that we distribute in South Sudan is IMMUNOGLOBULIN SNAKE ANTIVENOM designed to address snake bites peculiar to sub-Saharan African region

Aggregated Snakebite data in DHIS2

Period	Period name	Periodcode	OPD - IPD-Comm - Snake bites (OPD)	OPD - IPD-Comm - Snake bites (Admissions)	OPD - IPD-Comm - Snake bites (Inpatient deaths)
2024Q1	Jan to Mar 2024	2024Q1	1054	354	10
2024Q2	Apr to Jun 2024	2024Q2	1387	593	10
2024Q3	Jul to Sep 2024	2024Q3	2402	867	20
2024Q4	Oct to Dec 2024	2024Q4	1826	752	8
2025Q1	Jan to Mar 2025	2025Q1	1093	378	7
2025Q2	Apr to Jun 2025	2025Q2	1599	874	11

EWARS- Event based surveillance form

EWARS

0 18

Drafts

«

Dashboard

Draft - Event-Based Surveillance Form (Site-level)

Save Draft

Submit

Early Warning

Weekly IDSR Reporting Form (Site level)

Event-Based Surveillance Form (Site-level)

Alert

Response

EVD Case Investigation Form (RSS)

EVD Contact Listing Form

Cholera Line List

Other

Mortality Case Report

Health Cluster Indicators

Health Service Functionality Monitoring

MUAC Screening Form

Uncategorized

Measles Line List

IDSR Supportive Supervision Checklist for County Supervision at Facility Level

TRAINING USE ONLY - Weekly IDSR Reporting Form (Site level)

TRAINING USE ONLY - Event-Based Surveillance Form (Site-level)

Republic of South Sudan (Ministry of

Event-Based Surveillance Form (Site-level)

Fields with an * are required.

Location *

No selection

Report date

No date selected

Event

Date of event (when did the reported event take place?)

No date selected

Event location by village (include payam, county, state if different from that of reporting facility) *

Enter text

1. Source of the report *

No selection

3. Describe the event being reported: *

2. How was the event information received? *

No selection

4. What is the likely hazard type? *

Flood

5. If Flood is reported, What is the total number of people affected?

Tasks

DASHBOARDS

Overview

Surveillance

Alert

All Cause

Measles

Malaria

CES Dashboard

Overview



Welcome to

South Sudan EWARS

You are logged in as an Account Admin

Supporting the Ministry of Health in South Sudan

Strengthening Integrated Disease Surveillance and Response (IDSR) in emergencies.



Ministry of Health
Republic of South Sudan



Available documents

IDSR Bulletin (Site level) copy

IDSR Bulletin (Site level)

Datapak Slides

County Profile

Proportional morbidity and mortality

Weekly MUAC Report

IDSR Annex

Weekly County Reporting Performance

South Sudan Weekly EVD Screening Summary

Private facilities - IDSR Bulletin (Site level)

Metrics

Assignments

Locations

Users

Form submissions

Open alerts

Partners

Documents

0

1,917

3,029

393,547

27,812

85

8

EWARS Coverage

Reporting States	Reporting Facilities	Registered field reporting users	Registered Surveillance officers
10	1282	7	3

EWARS Activity Overview (this year)

IDSR's Report submissions	Alerts triggered	Alerts verified	Percentage of Alerts investigated within 72hrs
11931	2408	1709	46%

ss_ju_kk_kkc submitted a new report an hour ago



Weekly IDSR Reporting Form (Site level)

Keriwa phcc

W10 2025 | 03 - 09 March

Tasks

Amendment Request: Weekly IDSR Reporting Form (Site level) 2025-03-02 in Aweil State Hospital

High



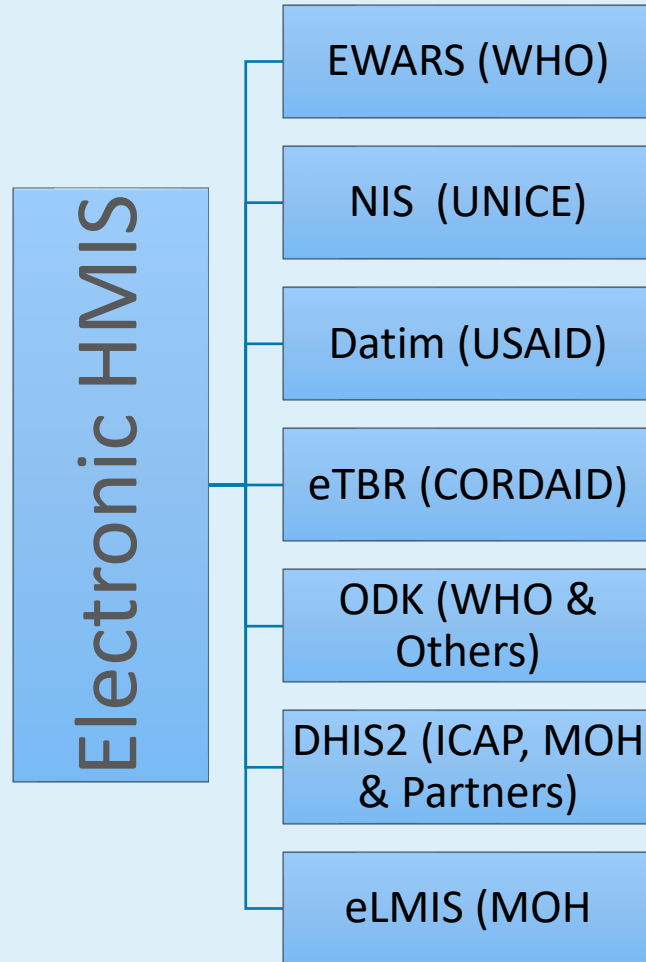
World Health
Organization

South Sudan

5

Snakebite line list

LINE LISTS FOR SNAKE CASES																
	EPINumbe+A2:Q2r	Year	Months	weekNu	Name	Ageyrs	Agegruo	Sex	untyoofresid	Village	DateofIncider	IstHFsreported	HFsforReferral	Status	Typeofsnake	Outcome
3	SUD-LAK-YRE-2022-001	2022	Feb	8	Adak Kau	36	30 +yrs	Female	Yirol East	Nyang	2/17/2022	Nyang PHCC	not refer	not good	cobra	Alive
4	SUD-LAK-YRE-2022-002	2022	Feb	8	Nyuon Kuocnin Nyuon	56	30 +yrs	Male	Yirol East	Billing	2/19/2022	Nyang PHCC	refer from Billing	Bad	cobra	Dead
5	SUD-LAK-YRE-2022-003	2022	Mar	10	Ayen Magak Makur	16	15-19yrs	Female	Yirol East	Pajot	3/4/2022	Nyang PHCC	not refer	Bad	pathon	Alive
6	SUD-LAK-YRE-2022-004	2022	Mar	12	Deng Matur	65	30 +yrs	Male	Yirol East	Mayen	3/18/2022	Adior PHCC	not refer	Bad	cobra	Dead
7	SUD-LAK-YRE-2022-005	2022	Mar	13	mayen Macuor	50	30 +yrs	Male	Yirol East	Malek	3/22/2022	Adior PHCC	refer from Malek PHCU	not bad	cobra	Alive
8	SUD-LAK-YRE-2022-006	2022	Mar	14	Nyirun Bilthiang	13	10-14yrs	Female	Yirol East	Pakuekjiek C camp	3/29/2022	Nyang PHCC	not refer	recover	cobra	Alive
9	SUD-LAK-YRE-2022-007	2022	Apr	16	Alech Kuclong	6	5-9yrs	Female	Yirol East	Cuoecik	4/10/2022	Adior PHCC	not refer	not bad	Gater snake	Alive
10	SUD-LAK-YRE-2022-008	2022	Apr	18	Piath Kuchek Amolwut	8	5-9yrs	Female	Yirol East	Bunagui	4/25/2022	Nyang PHCC	not refer	recover	Gater snake	Alive
11	SUD-LAK-YRE-2022-009	2022	Apr	18	Koc Mayen Ayel	21	20-24yrs	Male	Yirol East	Nyang	4/28/2022	Nyang PHCC	not refer	Bad	cobra	Alive
12	SUD-LAK-YRE-2022-010	2022	Apr	18	Dhieu Liok	29	25-29yrs	Male	Yirol East	Nyang	4/29/2022	Nyang PHCC	not refer	not bad	cobra	Alive
13	SUD-LAK-YRE-2022-011	2022	May	19	Majur Ayieu Yuol	40	30 +yrs	Male	Yirol East	Aguor	5/5/2022	Nyang PHCC	not refer	Bad	pothon	Alive
14	SUD-LAK-YRE-2022-012	2022	May	19	Puor Majok Atuot	18	15-19yrs	Female	Yirol East	Tinagau	5/5/2022	Nyang PHCC	not refer	not bad	cobra	Alive
15	SUD-LAK-YRE-2022-013	2022	May	21	Nyankaman Marin	3	1-4yrs	Female	Yirol East	Nyang	5/16/2022	Nyang PHCC	not refer	not bad	cobra	Alive
16	SUD-LAK-YRE-2022-014	2022	May	21	Bol Abar Athieu	35	30 +yrs	Male	Yirol East	Tinagau	5/18/2022	Nyang PHCC	not refer	not bad	cobra	Alive
17	SUD-LAK-YRE-2022-015	2022	May	21	Yier Makur	21	20-24yrs	Female	Yirol East	Yomagok	5/21/2022	Nyang PHCC	refer from Billing	Bad	cobra	Alive
18	SUD-LAK-YRE-2022-016	2022	May	22	Marin Agau	7	5-9yrs	Male	Yirol East	Atit	5/22/2022	Nyang PHCC	not refer	Bad	pathon	Alive
19	SUD-LAK-YRE-2022-017	2022	May	22	Makuei Anguei	38	30 +yrs	Male	Yirol East	Nyang	5/22/2022	Nyang PHCC	not refer	not bad	cobra	Alive
20	SUD-LAK-YRE-2022-018	2022	May	22	Dhuor Awar	18	15-19yrs	Male	Yirol East	Tinagau	5/22/2022	Nyang PHCC	not refer	Bad	cobra	Alive
21	SUD-LAK-YRE-2022-019	2022	May	22	Nyibol Marial	20	20-24yrs	Female	Yirol East	Adior	5/22/2022	Adior PHCC	not refer	not bad	cobra	Alive
22	SUD-LAK-YRE-2022-020	2022	May	22	Dhieu Marial	8	5-9yrs	Male	Yirol East	Ayiem	5/23/2022	Adior PHCC	not refer	not bad	cobra	Alive
23	SUD-LAK-YRE-2022-021	2022	May	22	Kot Mariec Aleu	20	20-24yrs	Male	Yirol East	Ayiem	5/24/2022	Adior PHCC	not refer	Bad	pathon	Alive
24	SUD-LAK-YRE-2022-022	2022	May	22	Malok Manyang	12	10-14yrs	Male	Yirol East	Diatim	5/26/2022	Nyang PHCC	not refer	not bad	Gater snake	Alive



Available electronic systems used and managed by different actuators/partners collecting information from health facility to central level

Success stories

Increased IDSR reporting rates from 30% to above 80%

Decentralization of the system to the lowest level-Health facility

Realtime alert reporting and prompt investigations

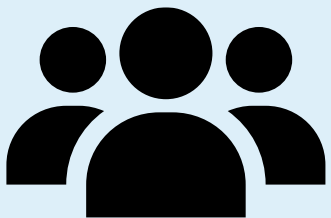
Transfer of knowledge and skills to health-care workers and data managers

Early detection of disease outbreaks and other emergencies

Initiation of EWARS/DHIS2 integration-works ongoing

Country capacity in data and innovation strengthened

Gaps and challenges



Inadequate HR and support to undertake all necessary plans

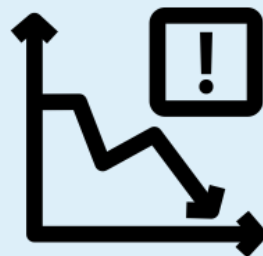
Inadequate training plan for the HR



Lack of resources for personnel but also operational costs



Limited infrastructure and equipment (computers/tablets internet / servers)



Inadequate demand and utilization of DHIS2 data for reporting requirements



Weak monitoring structures

Standardization of protocols and data indicators.

Lack of consistent system and Data quality Assessments.