



# South Sudan Ministry of Health

Integrated Disease surveillance  
and response (IDSR)



World Health  
Organization  
South Sudan

## Epidemiological Bulletin Week 35, 2023 ( August 28– 3 September)



## Major epidemiological highlights in week 35 of 2023

- In week 35, 2023, the IDSR reporting timeliness and completeness were at 74% and 88% respectively, while EWARN sites were at 71% timeliness and 83% Completeness
- A total of 143 alerts were triggered in week 35, 2023, and most of the alerts were for measles 20% (28/143), malaria, 17% (24/143), AWD 24% (34/143) ABD 13%(19/143) and ARI 14%(20/143)
- Measles scale-up response (reactive/mop-up campaigns) plan to be conducted in an additional 22 prioritized counties as of July 2023
- As of 12 September 2023, South Sudan received 262 298 individuals (61 263 households) who have entered South Sudan since 16 April 2023 with 42 471 total returnees in Renk.
- Total of 611 measles cases have been reported in Renk including 51 deaths since the start of the outbreak

# SURVEILLANCE PERFORMANCE



For the Integrated Disease Surveillance (IDSR)  
network and Early warning alert and response  
network (EWARN)



# IDSR timeliness performance at State level for week 35 & 34 of 2023



States Ranking	Implementing Partners	States	Total Number of Functional Health Facilities	No. of HF's Reported on Time in WK 35	Timeliness Percentage of WK 35	No. of HF's Reported on Time in WK 34	Timeliness Percentage of WK 34
1st	ForAfrika, Medair	GPAA	15	15	100%	15	100%
2nd	Doctors with Africa (CUAMM), IMA-WH, YCSS, LiveWell-SS	Lakes	112	110	98%	104	93%
3rd	AMREF, World Vision, CUAMM, CDTY, OPEN, Rescue	WES	183	162	89%	168	92%
4th	Cordaid, HLSS, OPEN, AMREF-CCMF, IRW	EES	107	93	87%	80	75%
5th	IHO, IOM, CARE, IMC, IRW, MHA	WBGZ	83	70	84%	63	76%
6th	GOAL, HFO, UNKEA, SCI, AMREF-CCMF, TADO, HAASS, WVI, IRW	Warrap	113	94	83%	106	94%
7th	Care International	RAA	16	12	75%	8	50%
8th	Malaria Consortium, Healthnet TPO, IRC, CEDS, IHO	NBGZ	89	64	72%	83	93%
9th	CMA, Medair, MDM, Medicaire, CRSF, CARE, LiveWell-SS, WR, HFO, AAH, IOM, MSF, SCI, CIDO, IMC, CRESA	Jonglei	112	77	69%	86	77%
10th	Cordaid, IMC, IRC, CASS, IOM, Samaritan's Purse, Medair, MSF-H, WR, HFO, CH, AFAA	Unity	88	56	64%	67	76%
11th	HLSS, SSUHA, Concern WW, IHO, GOAL, TRI-SS, SPEDP, IMA-WH, SSHCO, IMC, MSF, CARE	CES	129	73	57%	80	62%
12th	IMC, CRES-Aid, Concern WW, Health Link, RI, Cordaid, CASS, SPEDP, NIDO, UNKEA, GOAL, MSF-E, WVI	Upper Nile	138	55	40%	78	57%
13th	GOAL, SMC	AAA	17	3	18%	2	12%
		South Sudan	1202	884	74%	940	78%

**KEY**

	<60%	Poor
	61%-79%	Fair
	80%-99%	Good
	100%	Excellent

The Timeliness of IDSR Reporting (Supported by EWARS Web and Mobile) at health facility level in week 35 stands at 74% while in week 34 it was at 78% and 5 states and 1 AA are above the National target of 80%.

Reporting Challenges in the poorly performed States are; insecurity, internet inaccessible; Turnover of Partners.



# IDSR Completeness performance at State level for week 35 & 34 of 2023



States Ranking	Implementing Partners	States	Total Number of Functional Health Facilities	No. of HFs Reported regardless of Time in WK 35	Completeness Percentage of WK 35	No. of HFs Reported regardless of Time in WK 34	Completeness Percentage of WK 34
1st	Doctors with Africa (CUAMM),IMA-WH,YCSS,LiveWell-SS	Lakes	112	112	100%	112	100%
2nd	AMREF, World Vision, CUAMM, CDTY, OPEN,Rescue	WES	183	183	100%	183	100%
3rd	ForAfrika, Medair	GPAA	15	15	100%	15	100%
4th	Malaria Consortium, Healthnet TPO, IRC, CEDS, IHO	NBGZ	89	89	100%	85	96%
5th	HLSS, SSUHA, Concern WW, IHO,GOAL,TRI-SS,SPEDP,IMA-WH,SSHCO,IMC,MSF,CARE	CES	129	126	98%	127	98%
6th	Cordaid, HLSS,OPEN,AMREF-CCMF,IRW	EES	107	103	96%	106	99%
7th	GOAL,,HFO,UNKEA,SCI,AMREF-CCMF,TADO,HAASS,WVI,IRW	Warrap	113	106	94%	111	98%
8th	IHO,IOM,CARE,IMC,IRW,MHA	WBGZ	83	70	84%	76	92%
9th	Cordaid, IMC, IRC, CASS,IOM,Samaritan's Purse,Medair,MSF-H,WR,HFO, CH,AFAA	Unity	88	74	84%	71	81%
10th	Care International	RAA	16	12	75%	4	25%
11th	CMA,Medair,MDM,Medicair,CRSF,CARE,LiveWell-SS,WR,HFO,AAH,IOM,MSF,SCI,CIDO,IMC,CRESA	Jonglei	112	82	73%	86	77%
12th	IMC,CRES-Aid,Concern WW,Health Link,RI,Cordaid,CASS,SPEDP,NIDO,UNKEA,GOAL,MSF-E,WVI	Upper Nile	138	83	60%	90	65%
13th	GOAL,SMC	AAA	17	3	18%	2	12%
		South Sudan	1202	1058	88%	1068	89%

**KEY**

	<60%	Poor
	61%-79%	Fair
	80%-99%	Good
	100%	Excellent

The Timeliness of IDSR Reporting (Supported by EWARS Web and Mobile) at health facility level in week 35 stands at 88% while in week 34 it was 89% and 8 states, and 1 AA are above the National target of 80% .

Reporting Challenges in the poorly performed States are; insecurity, internet inaccessible; Turnover of Partners.



Partner	HFs	Reporting	Performance		
PARTER	Total Number of Mobile Sites	# of reports received on Time in Week 35	Percentage of Timeliness in WK 35	# of reports received on Time in Week 34	Percentage of Completeness in WK 34
SP	4	4	100%	4	100%
TRI-SS	2	2	100%	2	100%
SMC	1	1	100%	1	100%
UNH	2	2	100%	2	100%
SCI	2	2	100%	2	100%
HFO	5	4	80%	4	80%
IMC	4	2	50%	4	100%
SSHCO	1	0	0%	1	100%
WVI	2	0	0%	1	50%
IOM	1	0	0%	0	0%
<b>TOTAL</b>	24	17	71%	21	88%

The Timeliness of EWARS in partners' supported sites stands at 71% in week 35 while in week 34 it was at 88%



Partner	HFs	Reporting	Performance		
PARTER	Total Number of Mobile Sites	# of reports received on Time in Week 35	Percentage of Timeliness in WK 35	# of reports received on Time in Week 34	Percentage of Completeness in WK 34
SP	4	4	100%	4	100%
IMC	4	4	100%	4	100%
TRI-SS	2	2	100%	2	100%
SSHCO	1	1	100%	1	100%
SMC	1	1	100%	1	100%
SCI	2	2	100%	2	100%
UNH	2	2	100%	2	100%
HFO	5	4	80%	4	80%
WVI	2	0	0%	1	50%
IOM	1	0	0%	0	0%
<b>TOTAL</b>	24	20	83%	21	88%

The Timeliness of EWARS in partners' supported sites stands at 83% in week 35 while in week 34 it was at 88%

# INDICATOR AND EVENT-BASED SURVEILLANCE

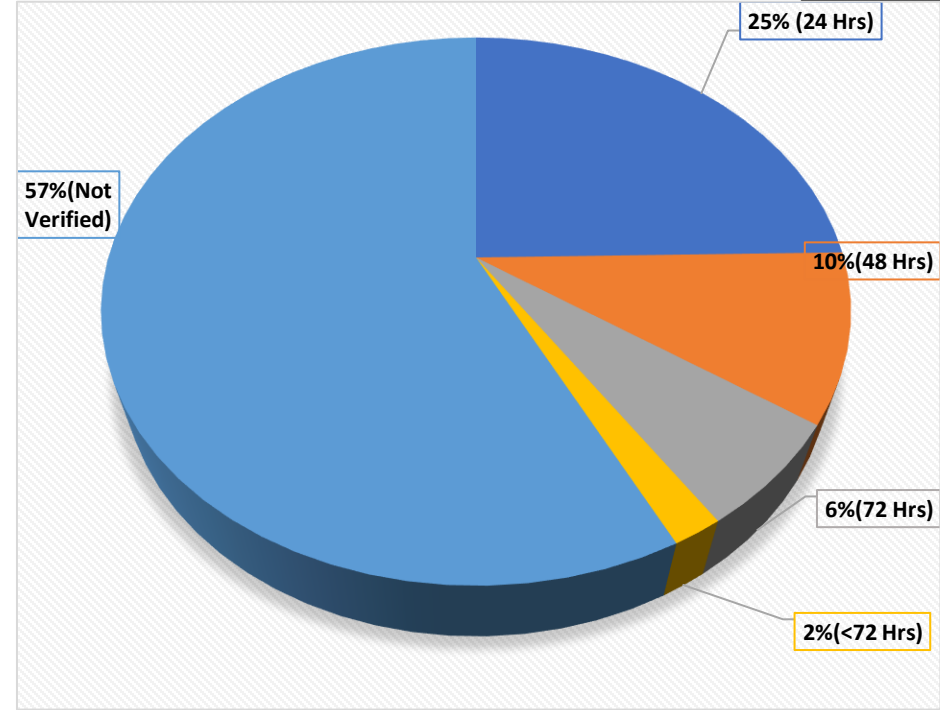
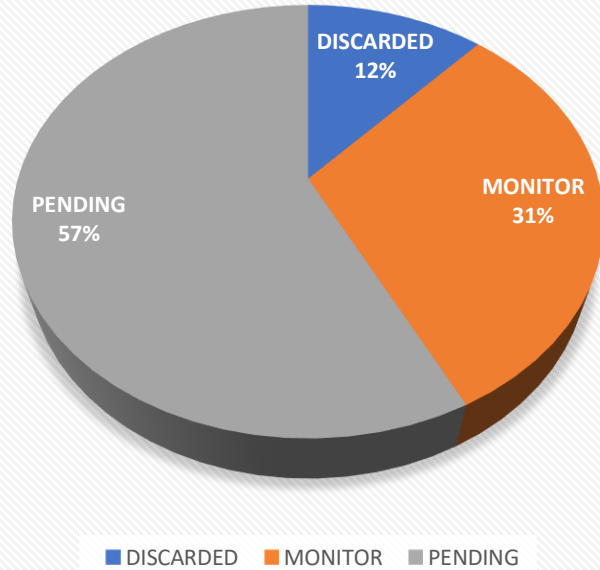


Alert management including detection; reporting; verification;  
risk assessment; & risk characterization





### Current Status of Alerts



The verification of alerts improved this week as compared to last week and 25% of them were verified within 24 hrs.,10% in 48 hrs.,6% in 72 hrs.,2% in more 72 hrs. while 57% were not verified

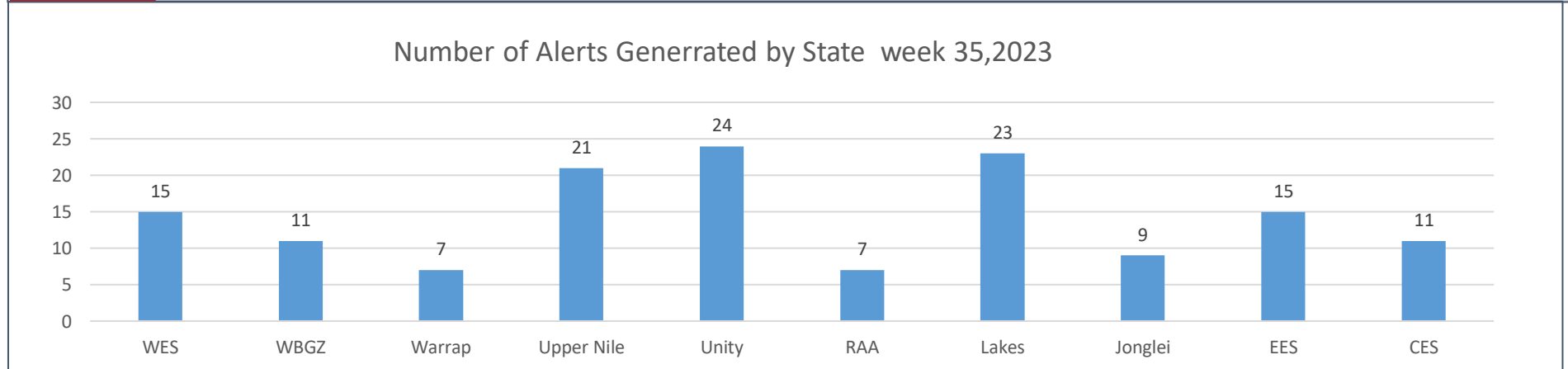


# Alert by Status and States in week 35 of 2023 [ a total of events specific alerts generated by state



State	Acute jaundice syndrome	Acute Respiratory Infections (ARI)	Acute Watery Diarrhoea	Bloody Diarrhoea	Malaria (Confirmed)	Measles	Yellow Fever	Cholera	Guinea Worm	EBS	Covid-19	Total alerts
WES		1	5	4	4	1						15
WBGZ		3		2	3				3			11
Warrap		1	1	1	2				1		1	7
Upper Nile		3	4	4	4	5	1					21
Unity	2	1	2	6	2	11						24
RAA		1	1			1				4		7
Lakes		7	5	2	4				5			23
Jonglei		1	5			3						9
EES		1	10		2	2						15
CES		2	1		4	3		1				11
<b>Total alerts</b>	<b>2</b>	<b>20</b>	<b>34</b>	<b>19</b>	<b>24</b>	<b>28</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>4</b>	<b>1</b>	<b>143</b>

Legend	AWD and measles are the most reported alerts this week with Unity and Upper Nile reporting more cases of Measles and EES
0 to 3	reporting more alerts of AWD.
4 to 6	Rwueng Administrative area reported 4 alerts of EBS which are all of suspected measles while yellow fever, cholera, Guinea worm
7 to 11	and AJS from upper Nile, CES and Unity respectively while Guinea worm was reported from WBGZ, Warrap and Lakes



A total 162 alerts were triggered in week 35, 19 were discarded after verification. Majority of the alerts were seen in Unity, Lakes and Upper Nile,



# Suspect Rabies outbreak in Aweil town, Northern Bahr el Ghazal state

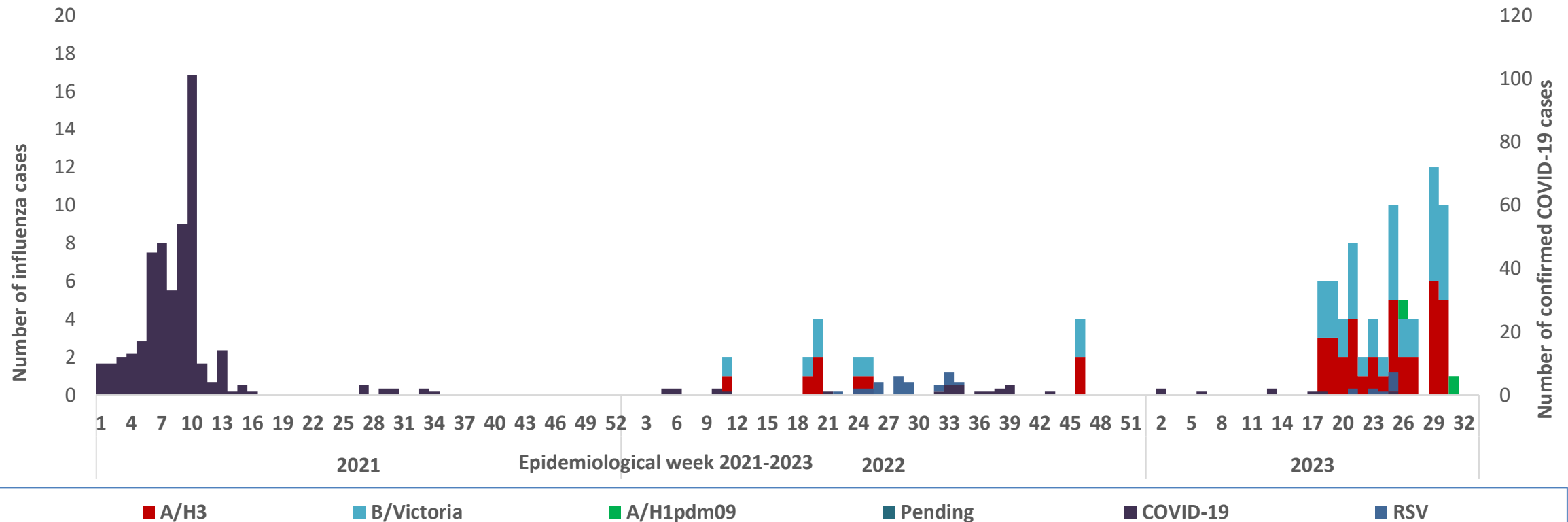
- On 8th June 2023, the WHO field office notified the Ministry of Health through the one health secretariate of the increase in mortality in Aweil due to dog bites (suspected rabies)
- The one health secretariat convened an Adhoc meeting and formed a team to be deployed for investigation
- A multisectoral team comprising of eight officers was deployed to Aweil to investigate the alert
- Upon arrival the team found that a total of 725 cases of dog bites were registered in private clinics from January -14th Jul 2023 (Source: Wol Modern Pharmacy, Green World, Abu Temaam and Mathar)
- Huge number of stray dog populations in Aweil town and the surroundings were observed.
- There is inadequate Anti- rabies virus for both human and animal vaccines in the State.
- Increase dog bites in Aweil town and the surroundings, causing communal fight within the communities e.g., Aweil East County
- The One Health secretariate still working with partners such as FAO and WHO to intervene as well as the state authority

# Influenza sentinel Surveillance updates



## Routine Sentinel Surveillance | Human Influenza & other Respiratory Pathogens

Confirmed Influenza ,COVID-19 and RSV cases from sentinel sites in Juba, week 1, 2021 to week 33, 2023



- There are currently Four designated Influenza sentinel surveillance sites in Juba (Juba Teaching Hospital and Al Sabah Children’s Hospital Rumbek State Hospital & Juba Military Hospital) that are collecting epidemiological data and samples from ILI/SARI cases.
- By the end of week **52,2022**; a total of **594 ILI/SARI** samples were collected,**529** samples tested negative, and Cumulatively, **21** tested positive for covid-19,**8** positive for Influenza B (Victoria), and **6** were positive for influenza A(H3).**26** RSV was confirmed in Week 52
- From weeks 1-33 2023, a total of 512 ILI/SARI were collected all 455 tested negative,**7** positives for Covid-19, (**33**)Influenza types A (H3), (**2**) B (Victoria), 2 for A/H1pdm09 and 13 for RSV in weeks 33,2023.

# ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

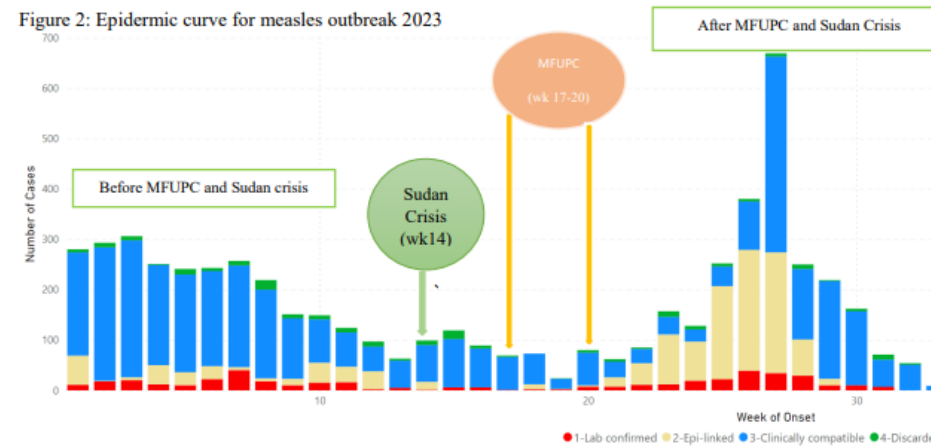
MEASLES ` UPDATES



## Epi Summary

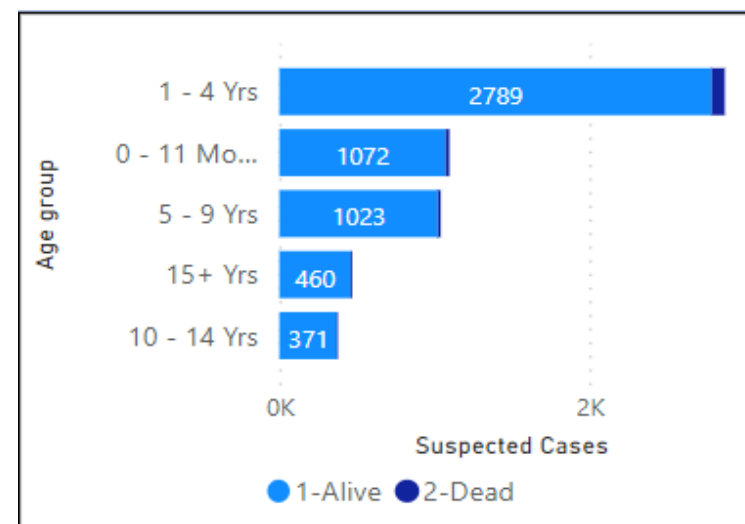
- In 2023, A total of 5,774 with 142 related deaths have been reported with a CFR of 2.5%
- Forty-nine (49) newly suspected cases were reported this week from Renk (26) and Rumbek East (5), Pigi (2), Ikotos (1), Magwi (2), (Yambio (1). However, it should be noted that most of these cases have their date of onset ranging from week 30 – 34, but data reported on week35.
- 12 new laboratory-confirmed cases have been reported: Rumbek East (3), Fangak (4), Fashoda (3), Yambio (1) and Ikotos (1)
- Out of the 5,774 suspected measles cases, 436(8%) are lab-confirmed, 1,328(23%) epi-linked, 3,778(65%) clinically compatible, and 232(4%) discarded cases have been reported from epidemiological week 1 to week 35, 2023. A total of 35 rubella positive cases from the discarded (negative measles cases)
- The majority more than 53% were reported among children less than 5 years of age with more than 80% having zero/unknown vaccination status in the same age group
- Two new deaths were reported this week from Renk. Both have onset dates on 17th/Aug/2023 and 23rd /Aug/2023, respectively.
- A total of 142 measles-related deaths were reported since January 2023. 72%(102) were among clinically compatible cases whereas 28% (39) occurred among the epi-linked case
- Renk, Ulang, Kajo-Keji, Yei, Koch, Rubkona, Juba, Leer, and Aweil South counties still reporting suspected cases and are advised to collect samples confirmation to guide the response
- This crisis contributed to another round of outbreaks and from EPI week 25 ( 4 weeks after the last Measles campaign) a total of 1,925 cases have been reported with 25% being returnees.
- The Measles campaign was concluded in May 2023, EPI week 20, with a decline in cases, after which the movement of people due to the Sudan crisis started.

## Epi curve of measles cases from week 1 to 35, 2023, South Sudan

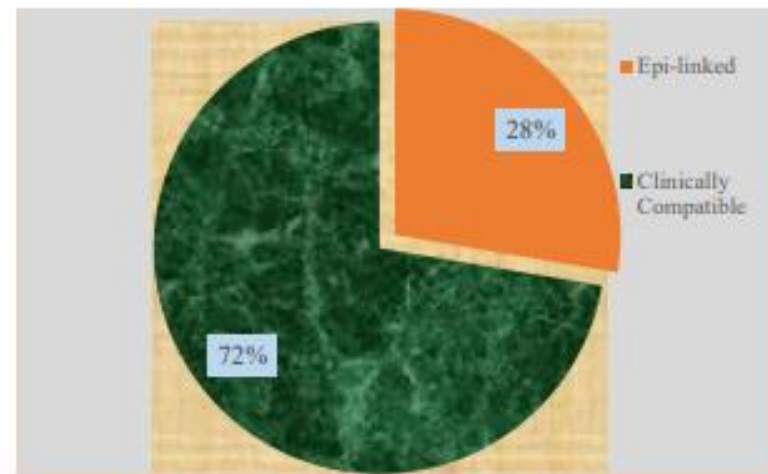


*Note: Measles cases have been reported from different counties throughout 2023. The observed peaks are driven by different counties that experienced surge in measles cases at different times. The Sudan crisis started in week 14 with the influx of returnees and refugees since then. The nationwide MFUPC also took place from week 17-20.*

## Distribution of cases by age group and outcome



FINAL CLASSIFICATION	2023	
	NO. OF CASES	%
Lab confirmed	436	8%
Epi-linked	1328	23%
Clinically Compatible	3778	65%
Discarded (-ve)	232	4%
<b>Grand Total</b>	<b>5774</b>	<b>100%</b>



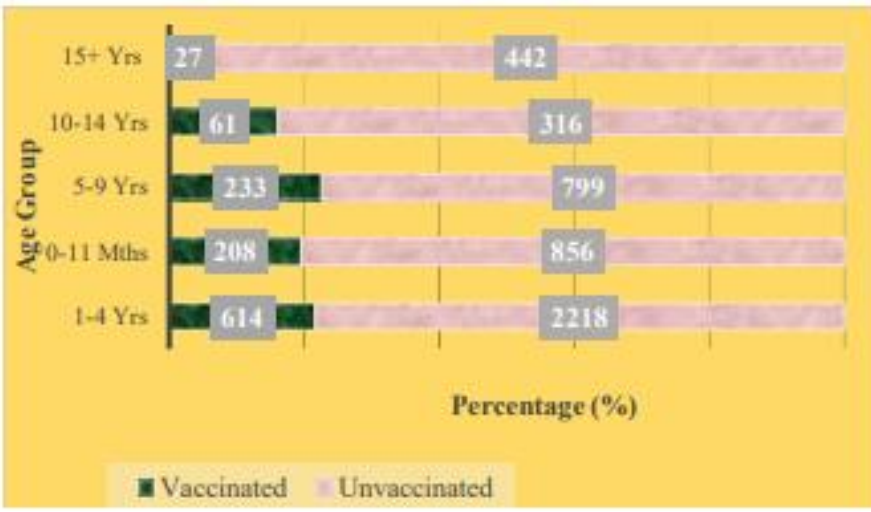
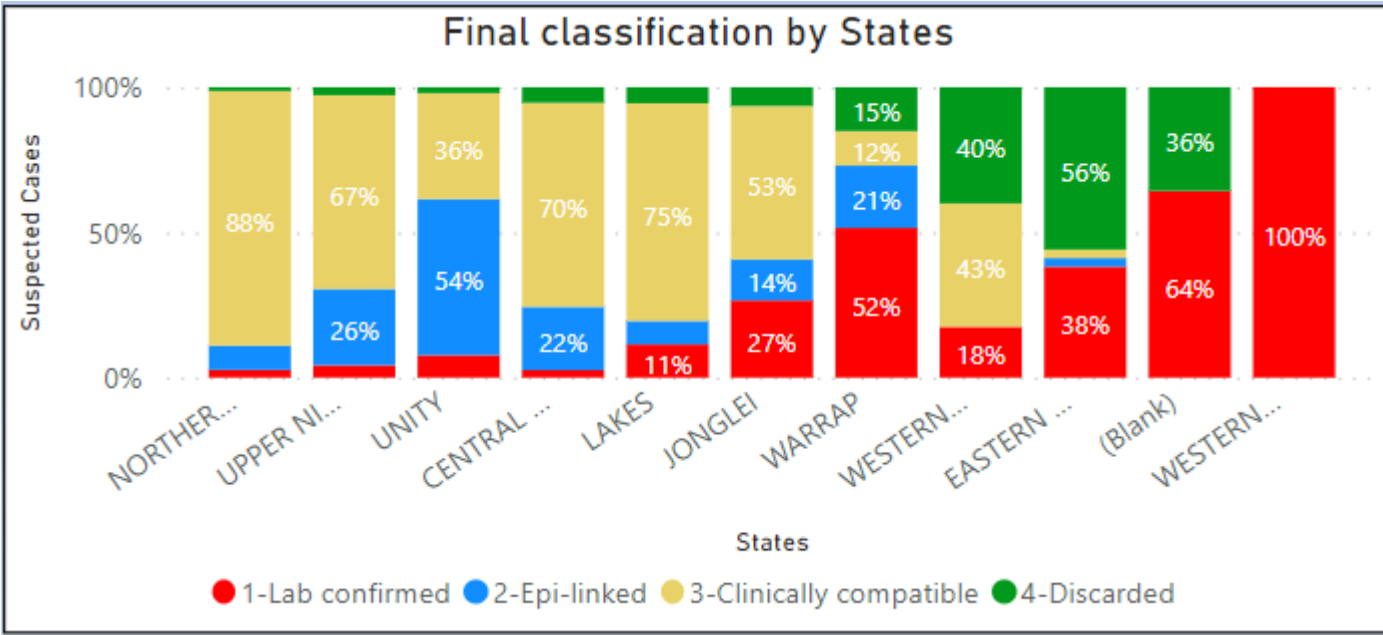
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A total of 142 measles-related deaths were reported since January 2023. 72%(102) were among clinically compatible cases whereas 28% (39) occurred among the epi-linked cases





### Final classification by States



**Note:** Generally, 4,631 (80%) were unvaccinated (zero, unknown) including 3,074 (53%) children <5 years.



## Vaccination Updates

- A total of 15 counties were targeted for a reactive campaign, and 14 counties were targeted for POE/Transit post-vaccination
- National EPI TWG endorsed the above plan (4 counties (Juba, Ayod, Longechuk, and Rubkona, with secured funding from WHO, UNICEF, and MEDAIR).
- Approaching partners to support/ implement the campaign in the remaining counties, information shared at the HCC and other forums
- Preparation for the implementation in 3 counties is ongoing, with MEDAIR already implementing in Ayod

## Way forward

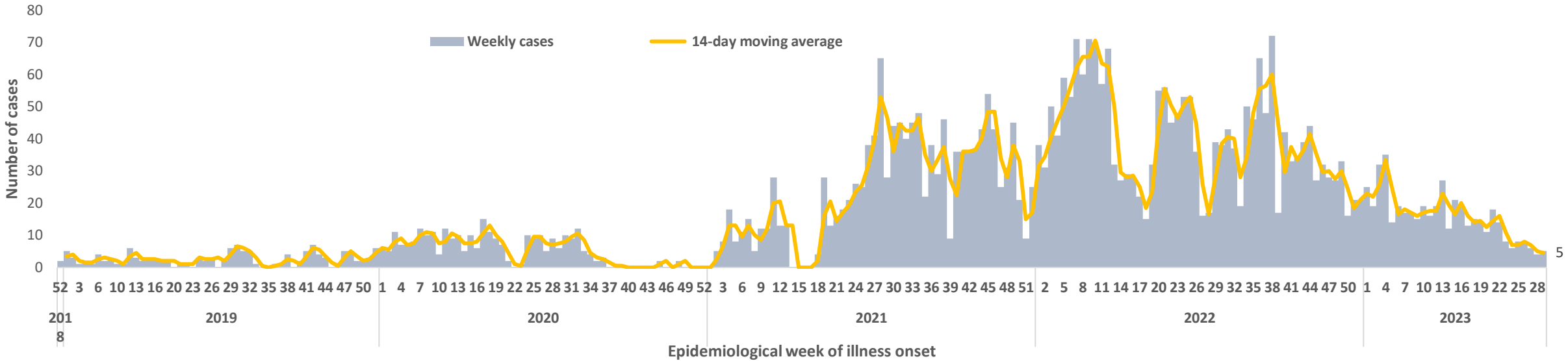
- MOH and partners to support the planned mop-up campaign and other measles activities
- State and County MOH to continue weekly reporting of measles cases (including zero reporting where applicable)
- Prompt detection and management of measles cases
- Blood samples to be collected from suspected cases, in counties that continue to report, and the lab confirmation is beyond 4 weeks to monitor the epidemiology
- Collection of nasopharyngeal swaps from new cases
- Strengthen routine immunization at POEs, and within the community
- Prioritize case management to reduce morbidity and mortality.
- Enhance risk communication and community engagement in health and help-seeking behavior.

# ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

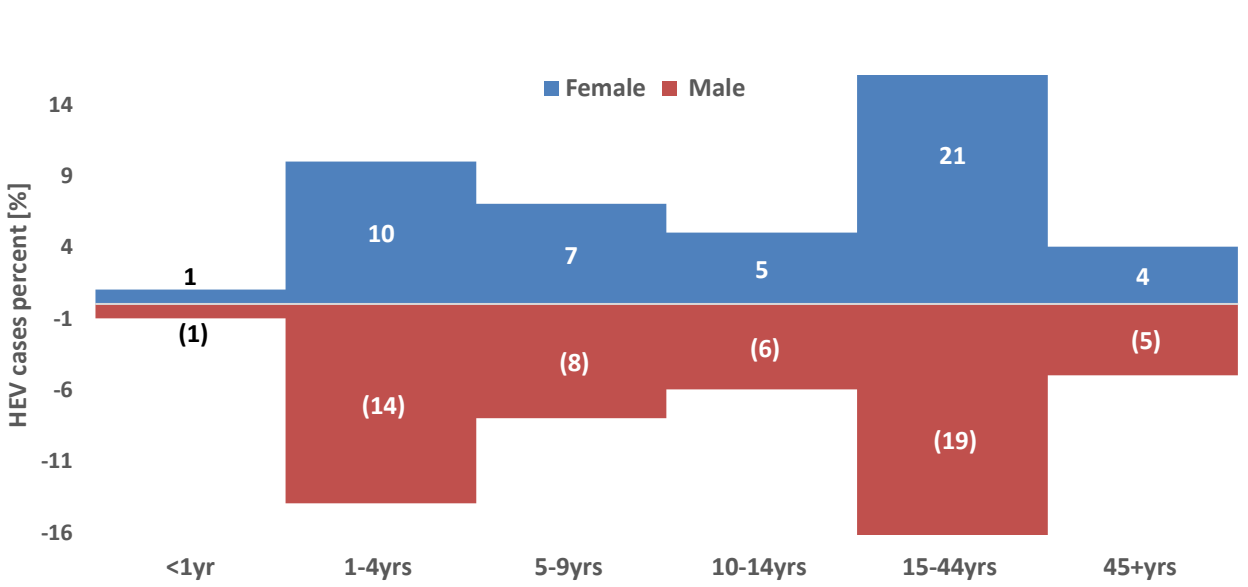
HEPATITIS E - UPDATES

# Hepatitis E Virus/AJS updates Bentiu.

Hepatitis E Virus [HEV] cases in Bentiu IDP camp, wk 1, 2019 to wk 29, 2023

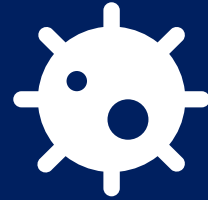


HEV case distribution by age and sex in Bentiu IDP, 2019-2022



- Total of 4, 253 cases and 27 deaths have been reported since the onset of the outbreak.
- Five AJS cases were reported in week 30
- No new cases reported in week 35
- People in the age range of 15 – 44 years are the most affected age group.

# COVID-19 UPDATES



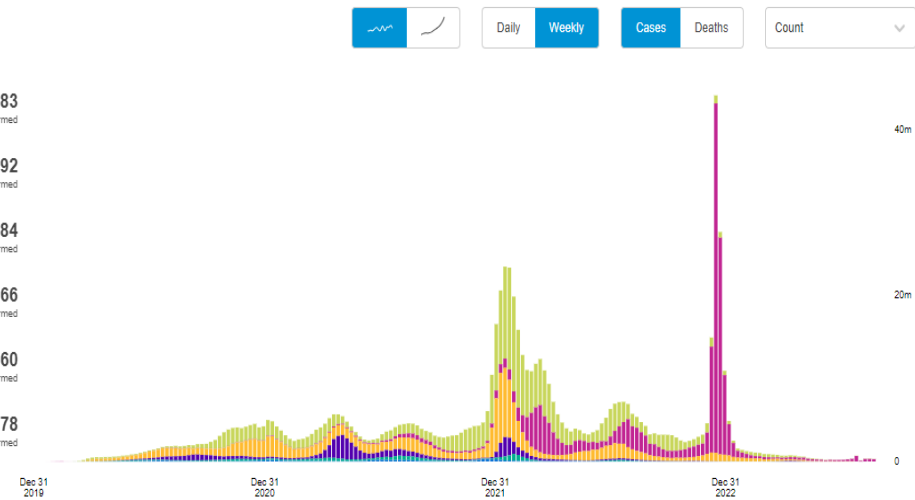
## Situation update as of 6 September 2023

- Globally, as of 6 September 2023, there have been 770,437,327 confirmed cases of COVID-19, including 6,956,900 deaths, reported to WHO. As of 5 September 2023, a total of 13,500,135,157 vaccine doses have been administered.**
- In Africa, as of 6 September 2023 there have been 9,547,278 confirmed cases of COVID-19, including 175,425 deaths reported to the WHO**
- In South Sudan, from 3 January 2020 to 6 September 2023, there have been 18,368 confirmed cases of COVID-19 with 138 deaths, reported to WHO. As of 7 May 2023, a total of 4,312,900 vaccine doses have been administered.**

### Situation by WHO Region

Europe	275,987,083 confirmed
Western Pacific	207,099,292 confirmed
Americas	193,210,684 confirmed
South-East Asia	61,202,666 confirmed
Eastern Mediterranean	23,389,560 confirmed
Africa	9,547,278 confirmed

Source: World Health Organization  
 Data may be incomplete for the current day or week.



WHO: <https://www.who.int/health-topics/coronavirus>



# **HUMANITARIAN RESPONSE**

## **SUDAN CRISIS**

## Key Figures

 **61,263** Households

 **262,298** Individuals

 **18** Nationalities

# of people tracked at the PoE

**262,298**

People moved

**135,825**

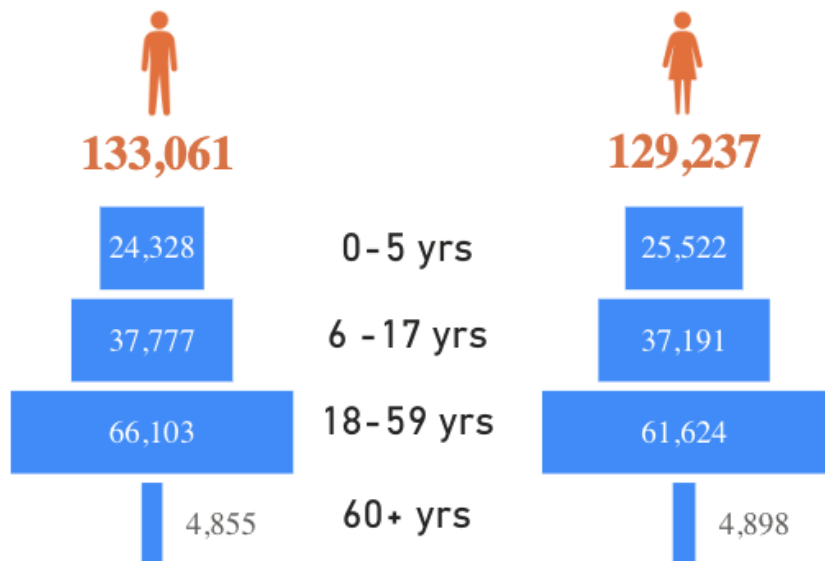
Total people tracked at the Wunthow (Joda PoE)

**211,278**

Total Returnees in Renk Town

**42,471**

## Sex and Age Breakdown



## Points of Entries

- Movement for 262,298 individuals has been tracked from various PoEs, 211,278 in Joda alone.
- 135,825 people have been moved.
- The government has assisted the movement of 23% of individuals, humanitarian agencies assisted 43% move, 17% self-organized their movements, 0.4% were moved by assistance through third-country nationalities, and movement for 17% were untracked.
- 83% of the onward movement was from Wunthou/Joda in Renk, Upper Nile State, 15% moved from Panakuch in Unity State, and 1.5% moved from Kiirr Adem in Unity State
- 42,471 individuals (6,736 households) currently are in collective centres and host communities in Renk Town.



## Key Interventions and ongoing activities for the Sudan Crises

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- WHO/MoH is coordinating the overall emergency health response through the existing structures.
- WHO/MoH deployed 4 teams to conduct health related rapid assessment and coordinate health emergency response in areas with high number of Refugees and Returnees.
- WCO managed to distribute or preposition a total of 269 Health Emergency Health kits to six locations that can benefit around 101,555 for three months at the cost of **\$ 142,710**.
- Kits issued were mainly IEHK, Pneumonia, Cholera Investigation & treatment Kits, SAM/MC kits, and Field Sample Collection Kits. Others include Snake Venom antisera & SARS COV-2 Ag RDT.
- Strengthening Early Warning Alerts and Response Systems (EWARS) for timely detection and investigate priority diseases under active surveillance

# Challenges, suggested way forward and Priorities

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## Challenges

- Logistic challenges and limited access to healthcare due to insecurity, poor road infrastructure
- Recurrent attack on health care workers affecting services delivery
- Unpredictable funding to maintain staff salaries due to suboptimal government function
- Influx of the returnees and refugees in the Country increases the risk of diseases outbreak including measles and cholera
- Fragile health system; limited infrastructure, equipment, trained personnel, heavily reliant on donor support, which can be affected by donor fatigue and shifts in funding priorities

## Key Asks

- Addressing health emergencies in South Sudan requires a multi-faceted approach;
  - ✓ Increased funding (Predictability)
  - ✓ Strengthening partnerships
  - ✓ Increase advocacy efforts

## Emergency Kits Distribution and Prepositioning

State	No. Kits	Beneficiaries		County	Recipient/ destination	Amount	%
		#	%			(USD)	
Upper Nile State	440	106,005	49%	Renk	IMC, Mubadirum Coordination Committee, RI, & Goal	227761.83	57%
				Panikang	IRC	11941.59	3%
				Malakal Hub	Malakal Hub	22474.04	6%
				<b>State total UNL</b>		<b>\$262,177.46</b>	<b>65%</b>
<b>WBG</b>	30	11,325	5%	Raja	<b>WHO Wau Hub</b>	<b>\$13,734.52</b>	<b>3%</b>
<b>NBG</b>	6	32,135	10%	Aweil	<b>WHO Aweil Hub</b>	<b>\$33,189.22</b>	<b>8%</b>
Unity State	91	56,435	26%	Rubkona	World Relief & Concern World wide	16749.5	4%
				Bentiu Hub office	Hub office	\$54,137.90	13%
				<b>state total Unity</b>	<b>WHO Bentiu Hub</b>	<b>\$70,887.40</b>	<b>18%</b>
<b>Warrap</b>	62	22,050	10%	Kuajok Hub Office	<b>WHO Kuajok Hub office</b>	<b>\$21,615.98</b>	<b>5%</b>
<b>Grand Total</b>	<b>686</b>	<b>227,950</b>	<b>100%</b>			<b>\$401,604.58</b>	<b>100%</b>

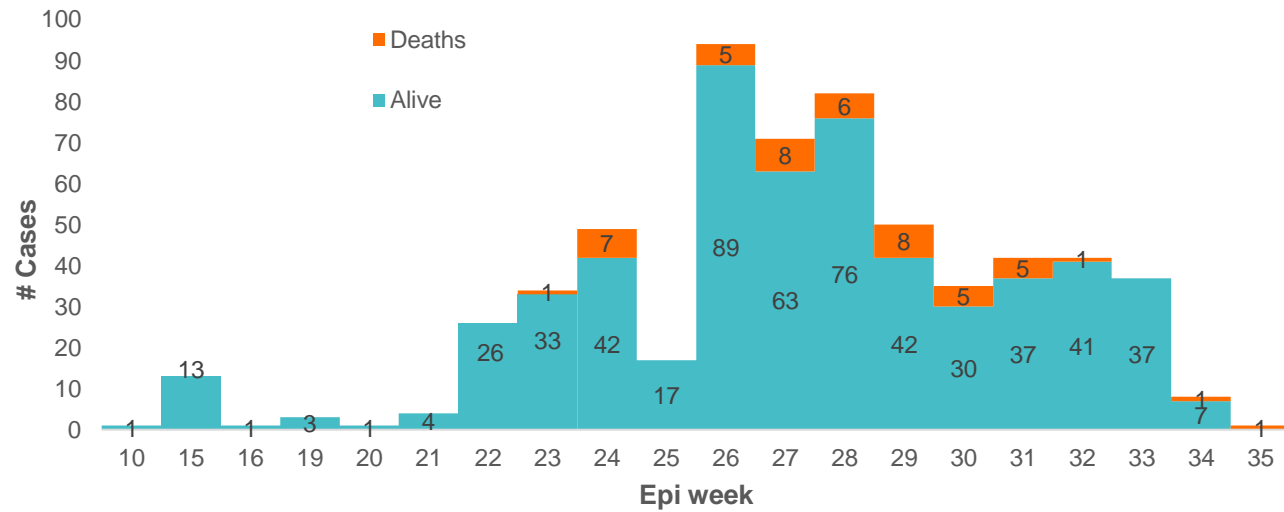
- As of today , WHO managed to distribute or preposition a total of **686** health emergency health kits to six locations that can benefit around **227,950** at the cost of \$ **\$409,492.58**
- Kits issued were mainly; IEHK, Pneumonia, Cholera Investigation & treatment Kits, SAM/MC kits, and field sample collection kits and NCD kits . Other supplies include; Snake Venom antisera & SARS COV-2 Ag RDTs.
- To support WASH activities in health facilities, WHO distributed six handwashing stations and 18 segregation waste bins to Renk.

## Cross Border Support to Health Service Delivery in 2 Areas of Sudan

	Description	Quantity Requested	Quantity supported	Total Price	Total # of boxes
1	IEHK 2017, SUPPLEMENTARY) MODULE MEDICINES	3	3	6,292.89	66
2	IEHK 2017, BASIC MODULE, MEDECINES	10	10	1,993.60	10
3	IEHK 2021, SUPPLEMENTARY MODULE, PEP, treatments for 50 adults + 10 children	5	5	4,724.05	5
4	IEHK 2017, SUPPLEMENTARY MODULE, RENEWABLE	3	3	1,725.00	18
5	IEHK 2017, SUPPLEMENTARY MODULE, EQUIPMENT	5	5	3,620.00	10
6	(Kit PED-SAM 2020) MODULE, MEDICINES SAM	10	10	6,244.80	40
7	(Kit PED-SAM 2020) MODULE, MEDICINES PED CONTROLLED	10	0	-	
8	Kit PED-SAM 2020) MODULE, MEDICINES MALARIA	10	10	2,132.70	10
				<b>26,733.04</b>	<b>159</b>

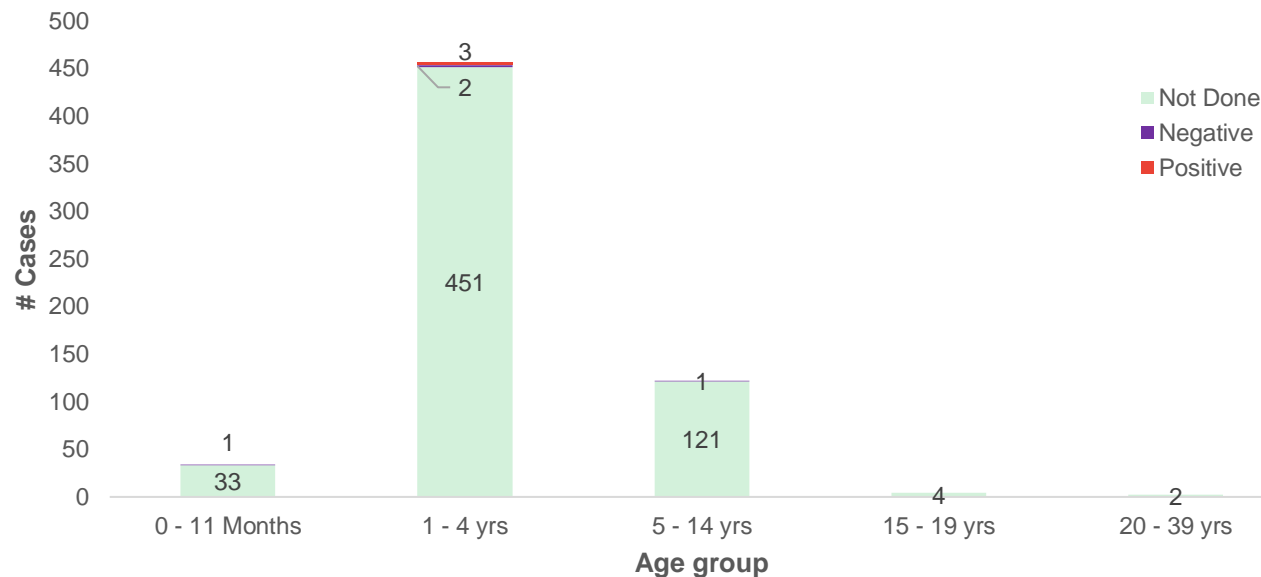
# Measels Updates from Renk

**Epi curve for confirmed measles cases in Renk County as of 24th Aug 2023 by Epi week.**



Total of 611 measles cases have been reported including 48 deaths since the start of the outbreak. In week 34 of 2023 there 7 cases and one death reports .Most cases were reported from week 26 and majority of the deaths were recorded in week 27 and 29.

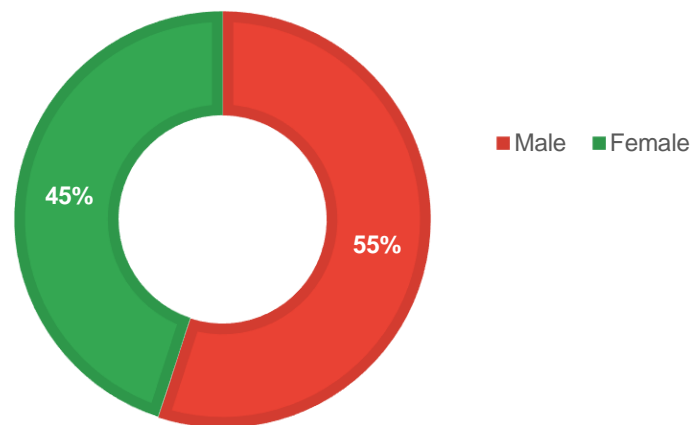
**Confirmed measles cases in Renk County as of 24th August 2023 by Age group and vaccination status.**



Age Group	Cases	Percentage	Cum %
0 - 11 Months	33	5%	5%
1 - 4 yrs	451	74%	79%
5 - 14 yrs	121	20%	99%
15 - 19 yrs	4	1%	100%
20 - 39 yrs	2	0%	100%
<b>Grand Total</b>	<b>611</b>	<b>100%</b>	

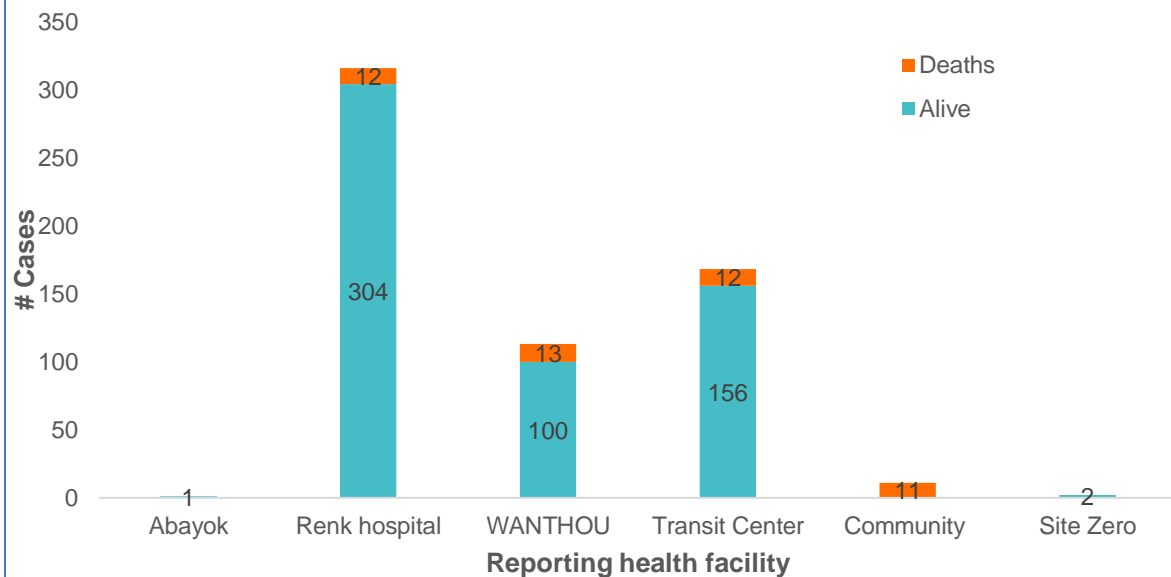
By age group children 1 – 4 years account for (74%) of the total cases. Followed by 5 – 14 yrs (20%).

CONFIRMED MEASLES CASES IN RENK COUNTY AS OF 24TH AUGUST 2023 BY SEX AND VACCINATION STATUS.



In terms of case distribution by sex, Male account for 55% of the total cases reported more than the female counterparts as shown by the pie chart.

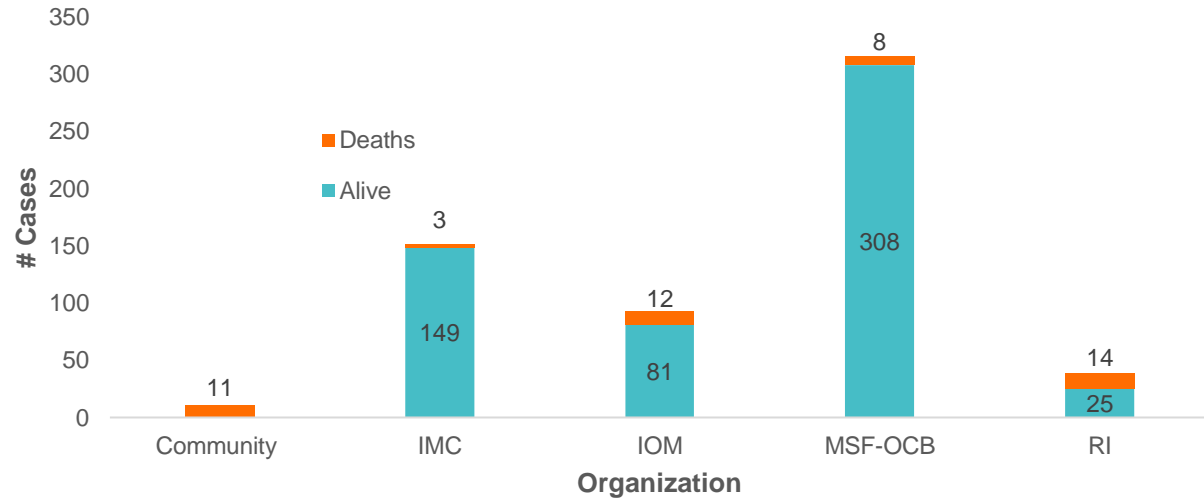
Confirmed measles cases in Renk County as of 24th August 2023 by reporting health facility and outcome.



By Location, Renk hospital reported majority of cases and most of the deaths were reported from Wanthou, Renk hospital, TC and in the community, respectively.

**NB:** Severe Cases from Sudan continued to be referred to Renk Hospital from Wanthou (IOM facility) for further management in MSF-OCB measles isolation unit in Renk hospital.

Updates on Confirmed measles cases in Renk County as of 24th August 2023 by reporting Organization and outcome.



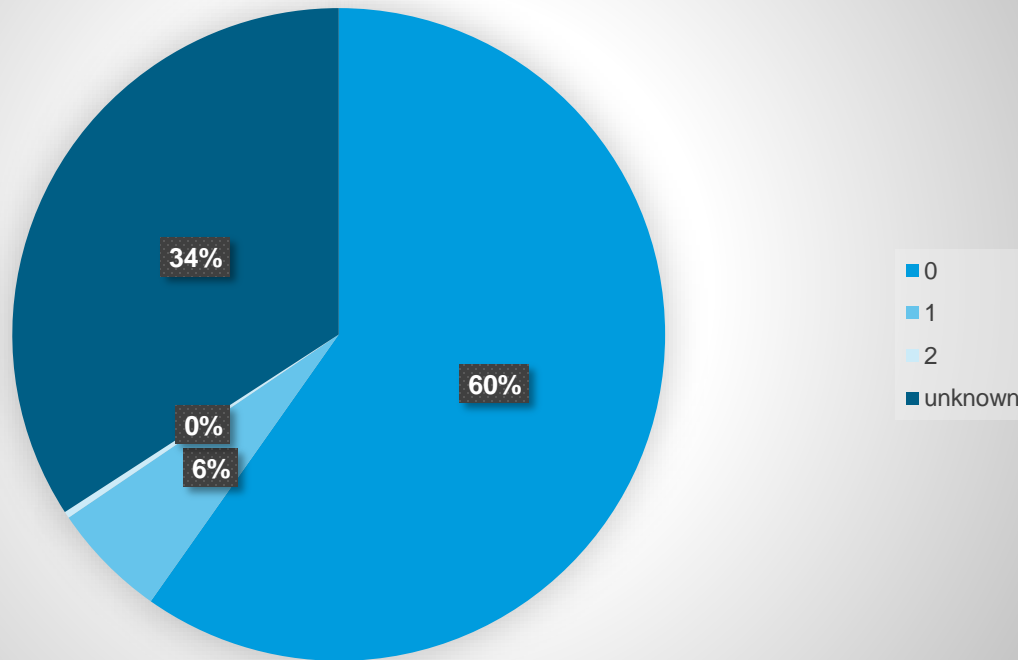
MSF-OCB registered majority of the measles cases (#308 cases & 8 deaths) since the start of the outbreak. Most of the deaths (14 DEATHS) were reported by Relief International (RI).

Majority of the cases (60%) received Zero (0) dose and only 6% of the cases received one dose of their vaccine.

Vaccination status of the

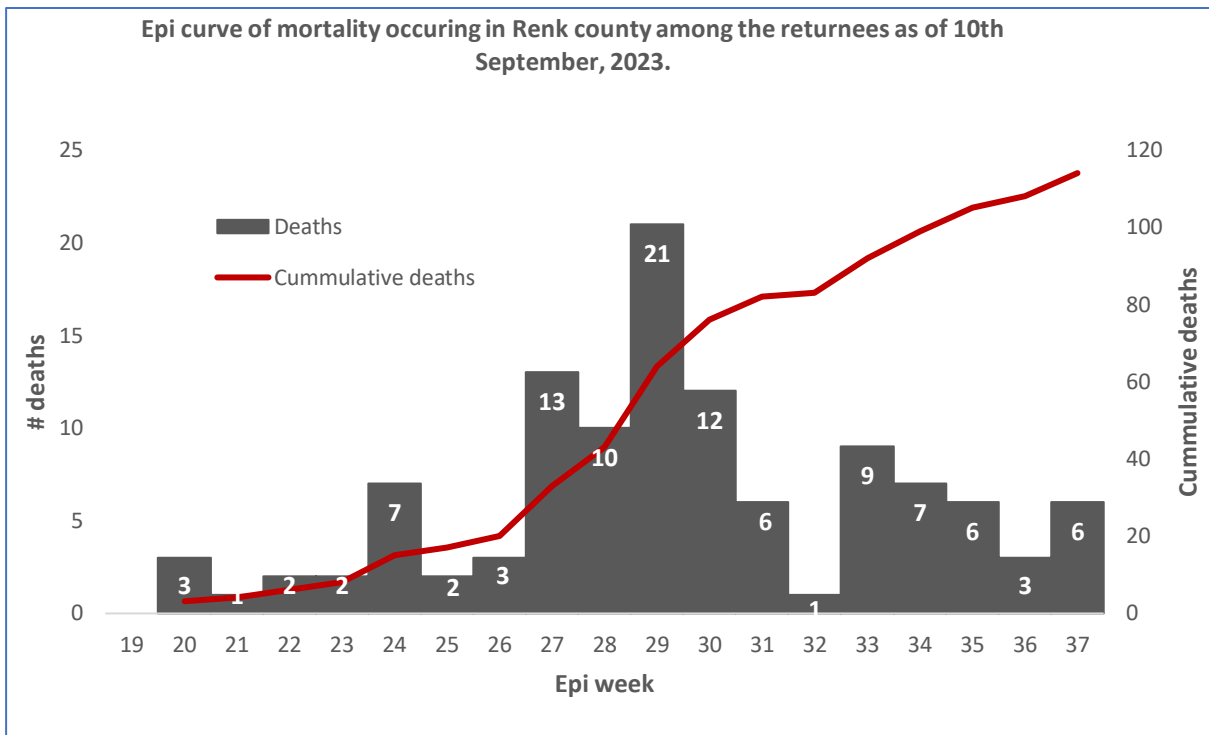
34% (# 208) of the total cases were not provided.

Confirmed measles cases Updates in Renk County as of 24th August 2023 by Vaccination Status (# doses received).



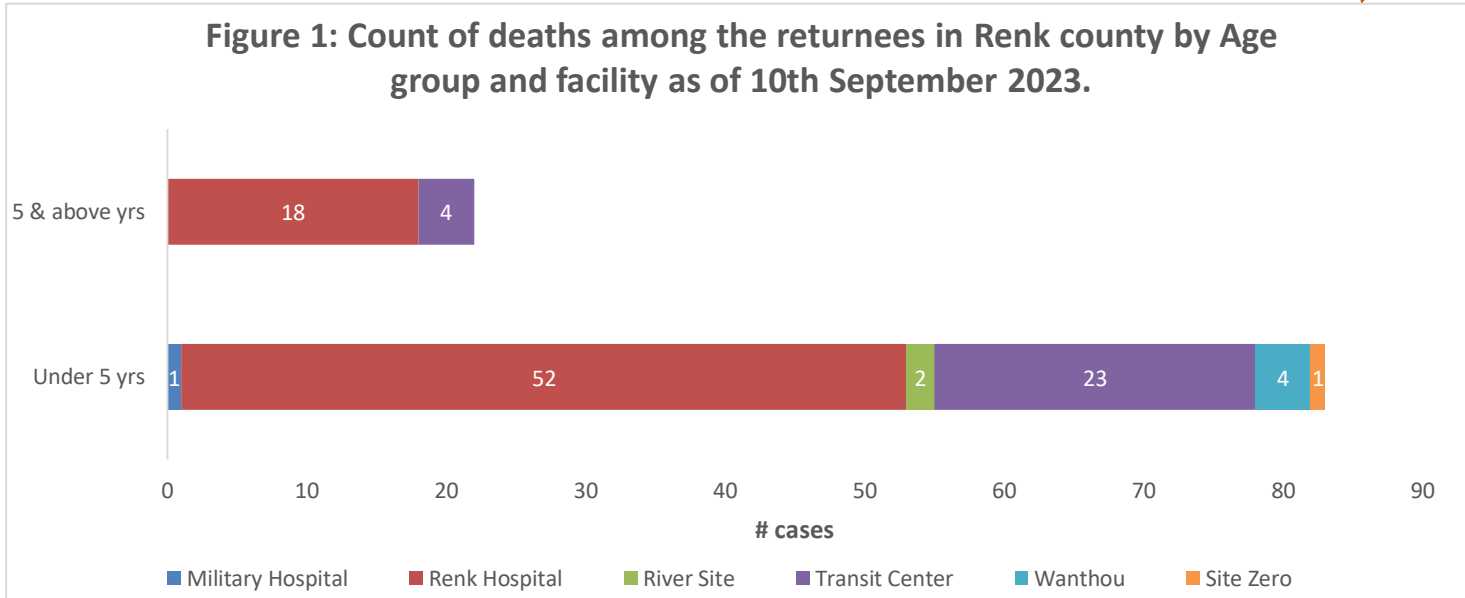
# Doses received	Cases	Percentage
0	364	60%
1	35	6%
2	2	0%
unknown	210	34%
<b>Grand Total</b>	<b>611</b>	<b>100%</b>





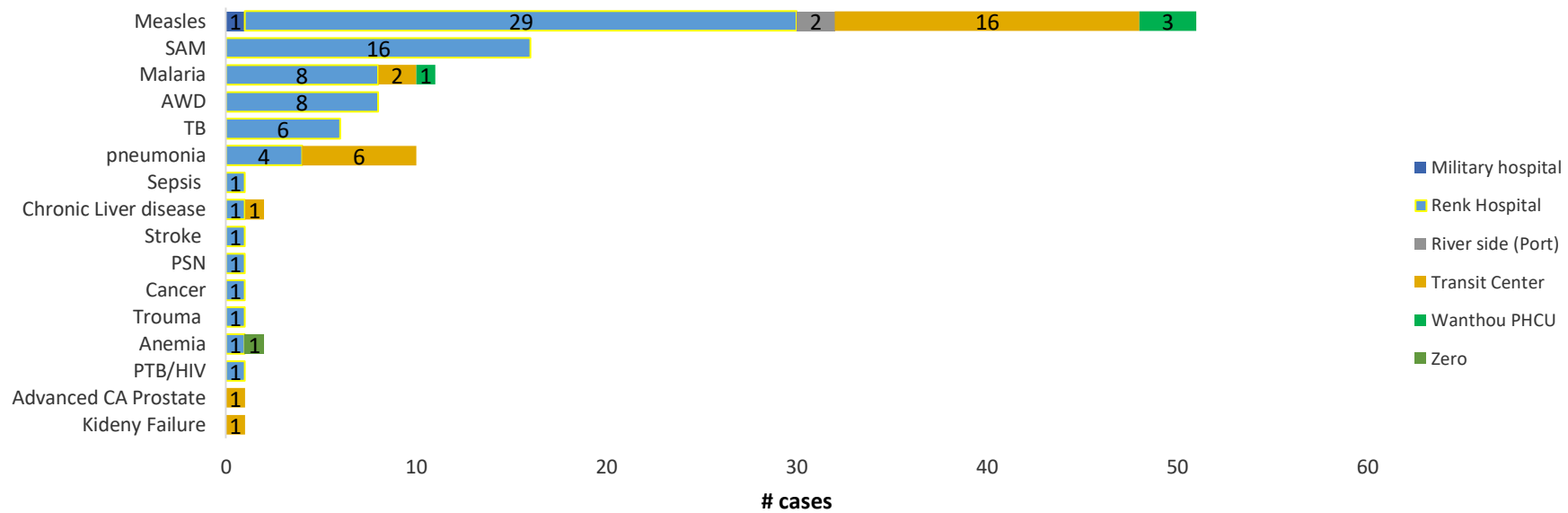
114 cumulative deaths have been reported as of 10<sup>th</sup> Sept 2023. Measles account for 51 of the total deaths.

- Refer to the table in the next slide for all causes of deaths.
- Death by Age group under 5 accounts for majority of the deaths. Refer to the (figure 1) below.



# Deaths reported in Renk as of 24<sup>th</sup> August 2023.

Count of deaths among the returnees in Renk county by condition since as of 10th September, 2023.



location death	AWD	Malaria	Measles	Chronic Liver disease	Advanced CA Prostate	pneumonia	PTB/HIV	Kideny Failure	TB	SAM	Anemia	Trouma	Stroke	Sepsis	PSN	Cancer	Grand Total
Military hospital			1														1
Renk Hospital	8	8	29	1		4	1		6	16	1	1	1	1	1	1	79
River side (Port)			2														2
Transit Center		2	16	1	1	6		1									27
Wanthou PHCU		1	3														4
Zero											1						1
<b>Grand Total</b>	<b>8</b>	<b>11</b>	<b>51</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>16</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>114</b>
<b>Proportionate Mortality %</b>	<b>7%</b>	<b>10%</b>	<b>45%</b>	<b>2%</b>	<b>1%</b>	<b>9%</b>	<b>1%</b>	<b>1%</b>	<b>5%</b>	<b>14%</b>	<b>2%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>100%</b>

In term of deaths by location, Renk hospital and Transit site registered the greatest number of the deaths. Deaths due Measles account for (45%) of the total mortality since the crisis began. Refer to the Table and the chart in this slide.

# RENK Highlights

- Positive malaria cases are still increasing.
- Currently, IOM has slowed down by 50% on support for onward movement.
- Draft of a humanitarian contingency plan in which a health cluster contributed was developed.
- Construction of the new TC with a capacity of accommodating 4,000 people has started, and World Vision will provide Emergency Clinic medical services at the new TC.
- Floods have affected the Southern part of Renk, which caused a block of access to the airstrip.
- WHO participants in general cleaning in The Renk Civil Hospital.
- 5 days of IDSR training started on Monday.
- Stock out of measles and OPV has affected vaccination at PoE and TC.



**OVERALL  
CONCLUSIONS AND  
RECOMMENDATIONS**



- In week 35, 2023, the IDSR reporting timeliness and completeness were at 74% and 88% respectively, while EWARN sites were at 71% and 83% timeliness and completeness respectively
- A total of 143 alerts were triggered in week 35, 2023, and most of the alerts were for measles 20% (28/143), malaria, 17% (24/143), AWD 24% (34/143), ABD 13%(19/143) and ARI 14% (20/143)
- Measles scale-up response (reactive/mop-up campaigns) plan to be conducted in an additional 22 prioritized counties as of July 2023
- As of 12 September 2023, South Sudan received 262 298 individuals (61 263 households) who have entered South Sudan since 16 April 2023 with 42 471 total returnees in Renk.
- Total of 611 measles cases have been reported in Renk including 51 deaths since the start of the outbreak

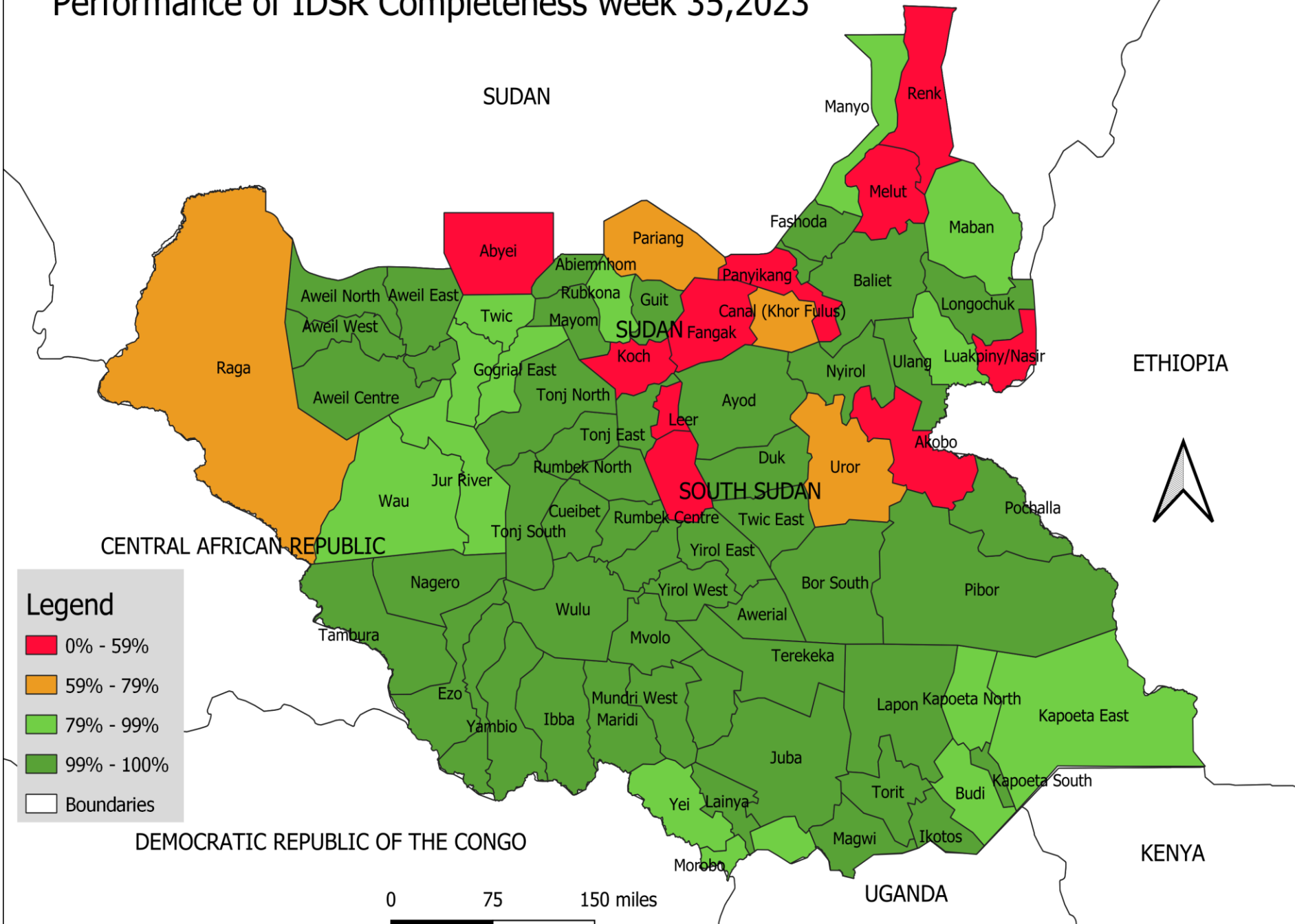


# Recommendations

- Partners to continue supporting County Health Departments (CHD) & State Ministries of Health on timely IDSR/EWARN reporting and involve the boma health workers to support community-based surveillance
- Health facilities to conduct an initial investigation on suspected cases of epidemic-prone diseases and collect samples
- Continue with preparedness activities to strengthen surveillance at all levels including conducting after-action reviews and simulation exercises.
- Continue to support the multicluster response strategy in the reception sites for returnees/refugees' influx due to the Sudan crisis

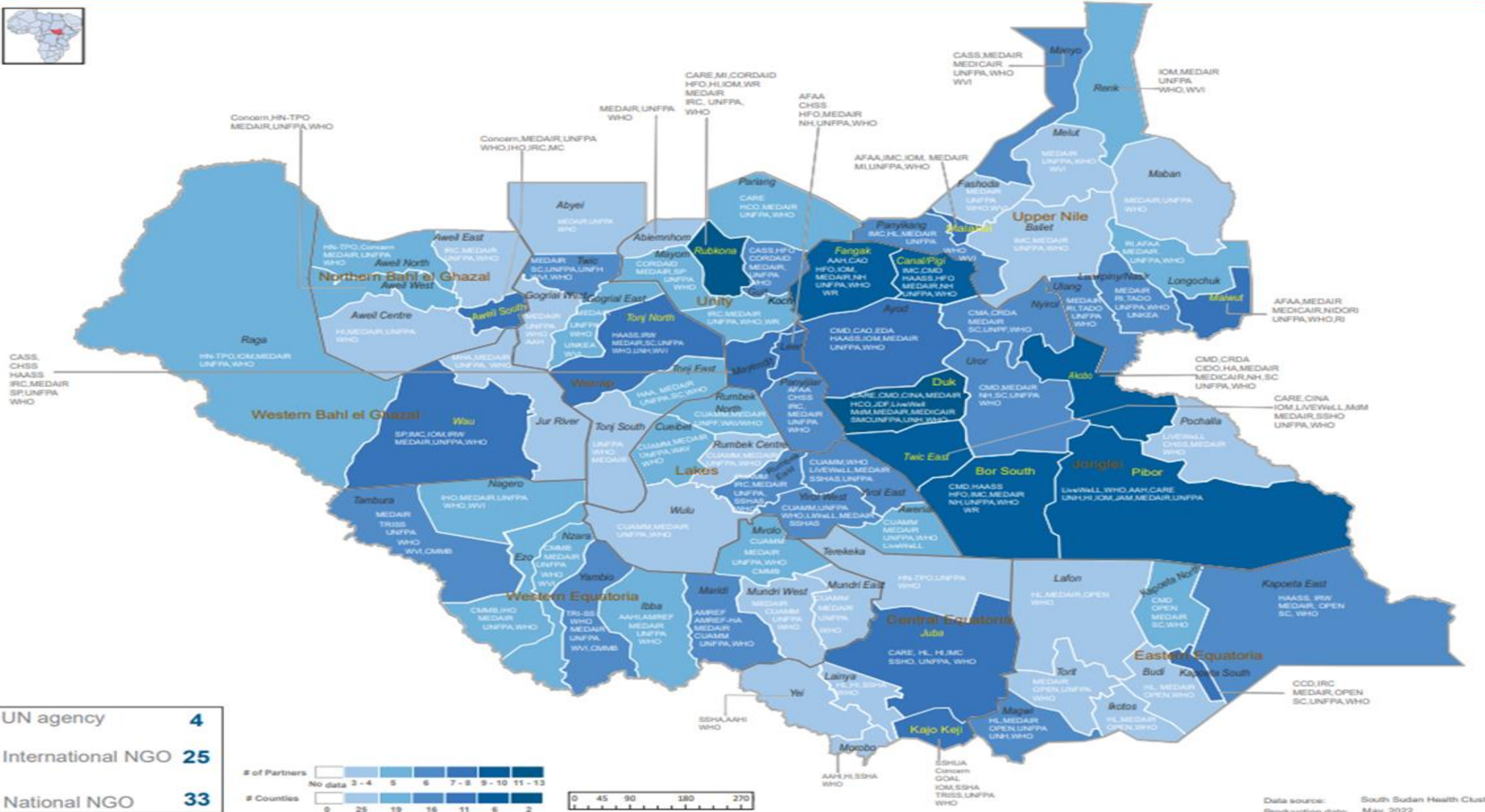


# Performance of IDSR Completeness week 35,2023





# South Sudan Health Cluster HRP Partners 2022



Data source: South Sudan Health Cluster  
 Production date: May, 2022

**Thanks to the State Surveillance Officers, County Surveillance Officers and Health Facility in-charges for sharing the weekly IDSR data**

**Thanks to all partners for supporting IDSR weekly reporting and sharing the line lists**

**To access the IDSR bulletins for 2022 use the link below:**

**<https://www.afro.who.int/publications/south-sudan-weekly-disease-surveillance-bulletin-2023>**

## This bulletin is produced by the Ministry of Health with Technical support from WHO

For more help and support, please contact:

**Dr Joseph Lasu Hickson**  
Director, Emergency Preparedness and Response  
Ministry of Health  
Republic of South Sudan  
Telephone: +211921395440  
Email: [josh2013.lasu@gmail.com](mailto:josh2013.lasu@gmail.com)

**Dr. John Rumunu**  
Director General Preventive Health Services  
Ministry of Health  
Republic of South Sudan  
Telephone: +211924767490  
Email: [ori.moiga@gmail.com](mailto:ori.moiga@gmail.com)

## IDSR Bulletin Editorial Team

- 1.Mr. Ajak Ater, MoH - Email: [ajakater014@gmail.com](mailto:ajakater014@gmail.com)
- 2.Ms. Sheila Baya, WHO- Email: [bayas@who.int](mailto:bayas@who.int)
- 3.Mr. Robert Lasu Martin, WHO -Email: [lasur@who.int](mailto:lasur@who.int)
- 4.Ms. Rose Dagama , WHO - Email: [dagamaa@who.int](mailto:dagamaa@who.int)
- 5.Dr. Abraham Adut, WHO- Email: [abenegoa@who.int](mailto:abenegoa@who.int)
- 6.Dr. Tony Wurda, WHO-Email [wurdatt@who.int](mailto:wurdatt@who.int)
- 7.Mr. Korsuk Scopas. WHO-Email [lonyikk@who.int](mailto:lonyikk@who.int)
- 8.Dr. Mukeshkumar Prajapati, WHO-Emai [prajapatim@who.int](mailto:prajapatim@who.int)
- 9.Dr Aggrey Bategereza, WHO -Email [bategerezaa@who.int](mailto:bategerezaa@who.int)

## Notes

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The data has been collected with support from the EWARS project. This is an initiative to strengthen early warning, alert and response in emergencies. It includes an online, desktop and mobile application that can be rapidly configured and deployed in the field. It is designed with frontline users in mind, and built to work in difficult and remote operating environments. This bulletin has been automatically published from the EWARS application.

More information can be found at <http://ewars-project.org>

