



**South Sudan  
Ministry of Health**

**Integrated Disease surveillance  
and response (IDSR)**



**World Health  
Organization**  
South Sudan

**Epidemiological Bulletin Week 18, 2023  
(01-07 May)**



## Major epidemiological highlights in week 18 of 2023

- In week 18, 2023, the IDSR reporting timeliness and completeness were **80%** and **89%** respectively and timeliness and completeness for EWARN sites were at **83%** and **89%** respectively
- A total of 83 alerts were triggered in week 18, 2023 most of the alerts were for AWD (20), measles(25), malaria(20) and bloody diarrhea (11)alerts
- Ministry of Health Republic of South Sudan declared cholera outbreak in Malakal with a total of 1455 cases reported with Two (2) death giving a CFR of 0.14% from February 22 to 14 May 2023 from both Malakal IDP camp and town
- Measles outbreaks continue with 6,046 reported; cases, 3,109 (15.3%) are epi-linked, 592(10.7%) lab-confirmed, 1,712(70.9%) clinically compatible, and 633(5.6) discarded cases have been reported from epidemiological week 1, 2022, to week 18, 2023
- The persistent transmission of HEV in the Bentiu IDP camp continues with 4,136 cases since the beginning of 2019 and no new cases reported in week 18 of 2023.
- Hepatitis E Virus outbreak in Western Bahar el Ghazal State with 147 cases and 6 deaths CFR 4.1% since the start of the outbreak on 8 May 2023

# 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 18 & 17 of 2023



Timeliness States Ranking	States	Number of reporting sites	No. of HF's Reported on Time in WK 18	Timeliness Percentage of WK 18	No. of HF's Reported on Time in WK 17	Timeliness Percentage of WK 17
1st	CES	128	121	95%	116	91%
2nd	WES	217	205	94%	215	99%
3rd	Lakes	113	106	94%	110	97%
4th	NBGZ	89	76	85%	73	82%
5th	Jonglei	129	101	78%	89	69%
6th	Warrap	127	93	73%	78	61%
7th	WBGZ	78	56	72%	27	35%
8th	EES	105	71	68%	58	55%
9th	Unity	97	61	63%	58	60%
10th	Upper Nile	113	62	55%	64	57%
	South Sudan	1196	952	80%	888	74%

### 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 18 stands at 80% while in week 17 it was 74% with 4 states 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 18 & 17 of 2023



Completeness States Ranking	States	Number of reporting sites	No. of HFs Reported regardless of time in WK 18	Completeness Percentage of WK 18	No. of HFs Reported regardless of time in WK 17	Completeness Percentage of WK 17
1st	Lakes	113	113	100%	113	100%
2nd	NBGZ	89	87	98%	87	98%
3rd	CES	128	121	95%	121	95%
4th	WES	217	205	94%	217	100%
5th	EES	105	94	90%	70	67%
6th	Upper Nile	113	98	87%	87	77%
7th	WBGZ	78	67	86%	58	74%
8th	Jonglei	129	104	81%	104	81%
9th	Warrap	127	102	80%	124	98%
10th	Unity	97	77	79%	88	91%
	<b>South Sudan</b>	<b>1196</b>	<b>1068</b>	<b>89%</b>	<b>1069</b>	<b>89%</b>

## KEY

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

The Completeness of IDSR Reporting (Supported by EWARS Web and Mobile) at health facility level in week 18 stands at 89% as well as in week 17 with 9 states above the national target of 80%.

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



# Surveillance: EWARS Timeliness performance indicator by partner for week 18 and 17 of 2023



Partner	HFs	Reporting	Performance		
PARTER	Number of reporting sites	# of reports received on Time in Week 18	Timeliness of Week 18	# of reports received on Time in Week 17	Timeliness of Week 17
IRC	1	1	100%	1	100%
World Relief	3	3	100%	3	100%
Medair	2	2	100%	2	100%
Islamic Relief	5	5	100%	5	100%
CIDO	1	1	100%	1	100%
SCI	2	2	100%	2	100%
UNIDOR	2	2	100%	2	100%
IMC	22	22	100%	18	82%
HFO	10	10	100%	6	60%
TRI-SS	2	2	100%	0	0%
ForAfrika	13	12	92%	13	100%
MSF-H	4	3	75%	4	100%
SMC	6	4	67%	6	100%
MSF-E	6	4	67%	4	67%
Medicaire	5	3	60%	0	0%
IOM	10	4	40%	5	50%
SSHCO	1	0	0%	1	100%
AFAA	1	0	0%	0	0%
<b>TOTAL</b>	96	80	<b>83%</b>	73	<b>76%</b>

The Timeliness of EWARS in partners' supported sites stands at **83%** in week 18 while in week 17 it was **76%**



# Surveillance: EWARS completeness performance indicator by partner for week 18 and 17 of 2023

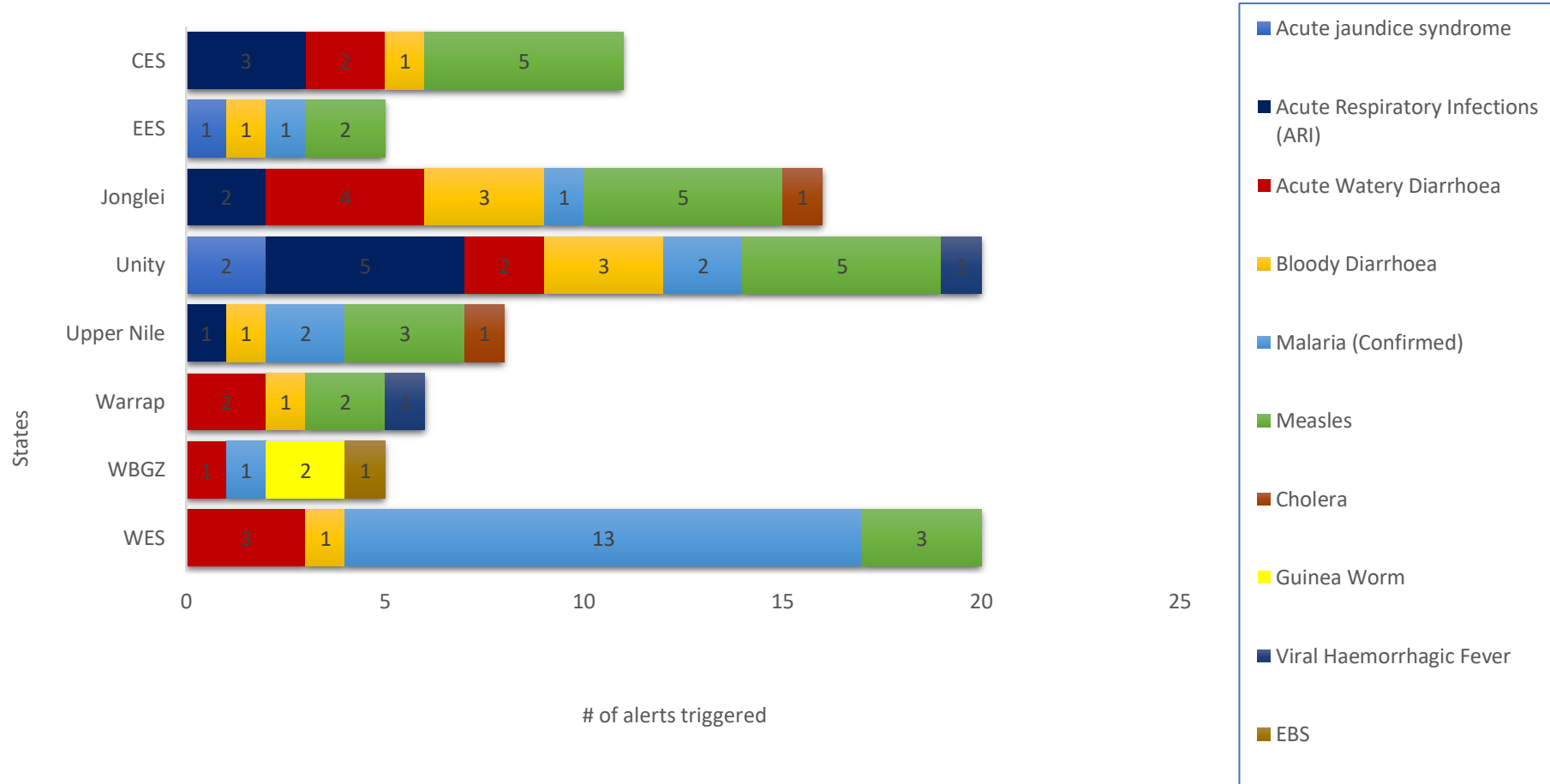


Partner	HFs	Reporting	Performance		
			Number of reporting sites	# of reports received regardless of Time in Week 18	Completeness of Week 18
SSHCO	1	1	100%	1	100%
IRC	1	1	100%	1	100%
Islamic Relief	5	5	100%	5	100%
CIDO	1	1	100%	1	100%
SCI	2	2	100%	2	100%
World Relief	3	3	100%	3	100%
Medair	2	2	100%	2	100%
ForAfrika	13	13	100%	13	100%
HFO	10	10	100%	10	100%
UNIDOR	2	2	100%	2	100%
IMC	22	22	100%	21	95%
MSF-E	6	6	100%	4	67%
TRI-SS	2	2	100%	1	50%
Medicair	5	4	80%	2	40%
MSF-H	4	3	75%	4	100%
SMC	6	4	67%	6	100%
IOM	10	4	40%	5	50%
AFAA	1	0	0%	0	0%
<b>TOTAL</b>	<b>96</b>	<b>85</b>	<b>89%</b>	<b>83</b>	<b>86%</b>

The Completeness of EWARS in partners' supported sites stands at **89%** in week 18 while in week 17 it was at **86%**



# Alert by disease and States in week 18 of 2023 [ a total of events specific alerts generated by state



**This week a total of 83 Alerts were triggered of which 53 are from outbreak prone diseases as Per the broken-down below**

- ❖ 20 AWD alerts: these alerts were triggered from the following States, CES (2), Jonglei (4), Unity(2), Warrap (2), WBGZ (1), WES(3)
- ❖ 25 Measles alert: these alerts were triggered from the following States, CES(5), EES (2), Jonglei (5), Unity(5),Upper Nile(3), Warrap(2), WES(3)
- ❖ 3 AJS alert: these were from Riwoto PHCC, MSF-H Leer PHCC and MSF-H Bentiu IDP Hospital
- ❖ 1 EBS alert: in IOM New Site Clinic of a suspected Guinea Worm from the community of Valega Nazareth
- ❖ 2 Cholera alert: from HFO Tanyang PHCU in old Fangak and Romala PHCU in Renk County
- ❖ 2 VHF alert: from Agok PHCC in Abyei and Rubkona Military Hospital which is under monitoring



# INDICATOR-BASED SURVEILLANCE

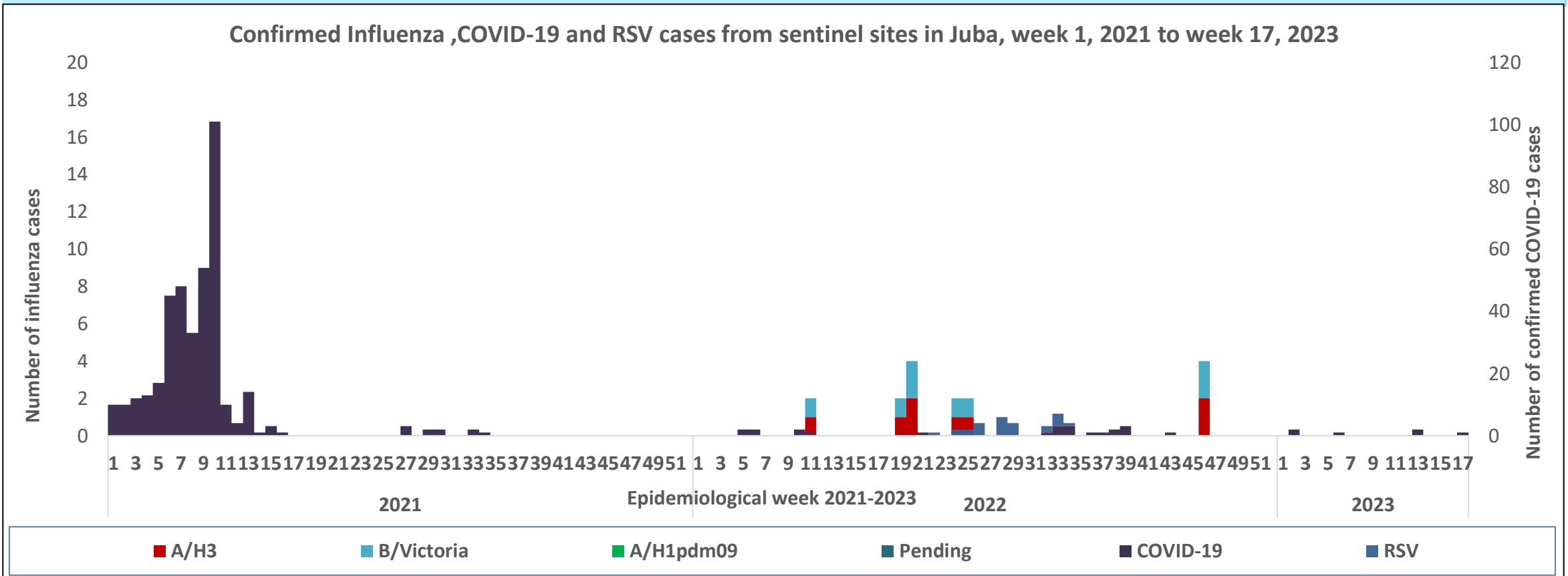


Alert management including detection; reporting; verification;  
risk assessment; & risk characterization

# Influenza sentinel Surveillance updates



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



- 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 1-17 2023, a total of 196 ILI/SARI were collected all 190 tested negative,6 positives for Covid-19, (0)Influenza types A (H3), B (Victoria), and 0 for RSV. In week17 of 2023 there is one positive for covid-19



**ACTIVE OUTBREAKS AND  
PUBLIC HEALTH EVENTS**



The image shows a title slide for a presentation. It features a dark blue background with two lighter blue triangular shapes on the left and right sides. The text "HEV OUTBREAKS IN WAU" is centered in a bold, yellow, sans-serif font.

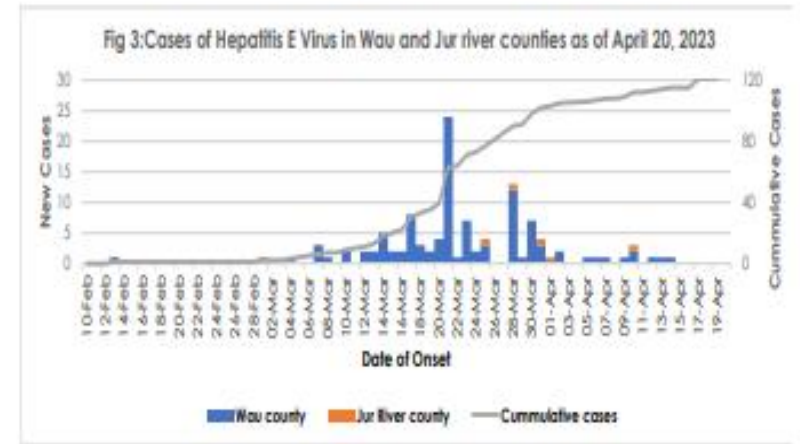
**HEV OUTBREAKS  
IN WAU**



# HEV Outbreak in Wau, WBG state updates as from 8 May 2023



- On March 22, 2023, the state Ministry of Health Western Bahr el Ghazal state notified the Ministry of Health in Juba of clusters of cases and deaths in Wau.
- Cases presented with yellowing of eyes (Acute Jaundice Syndrome).
- State MOH and WHO conducted alert verification and collected samples for further investigations.
- On April 14, 2023, the national Ministry of Health declared an outbreak of Hepatitis E Virus (HEV) disease and subsequently activated the PHEOC to response mode and all response pillars
- Total of 147 HEV Cases including (6 death) CFR of 4.1% has been since the start of the outbreak
- Five(5) new case has been reported in week 18 of 2023
- Most cases (103, 89.6%) are from Nazareth Village, a cluster in Kosti village (3) and sporadic cases in three neighboring villages of Mutamadia (1), Taban (1), Massna (1) and Aturu in Jur river county (6).
- Most cases (88, 72.7%) are males. The median age is 20 (range:2-71) years.



	Test type		
	Hepatitis B (n=49)	Hepatitis C (n=48)	Hepatitis E (n=50)
Number tested (n)			
Number positive	3	0	36
% positivity	6%	0%	72%



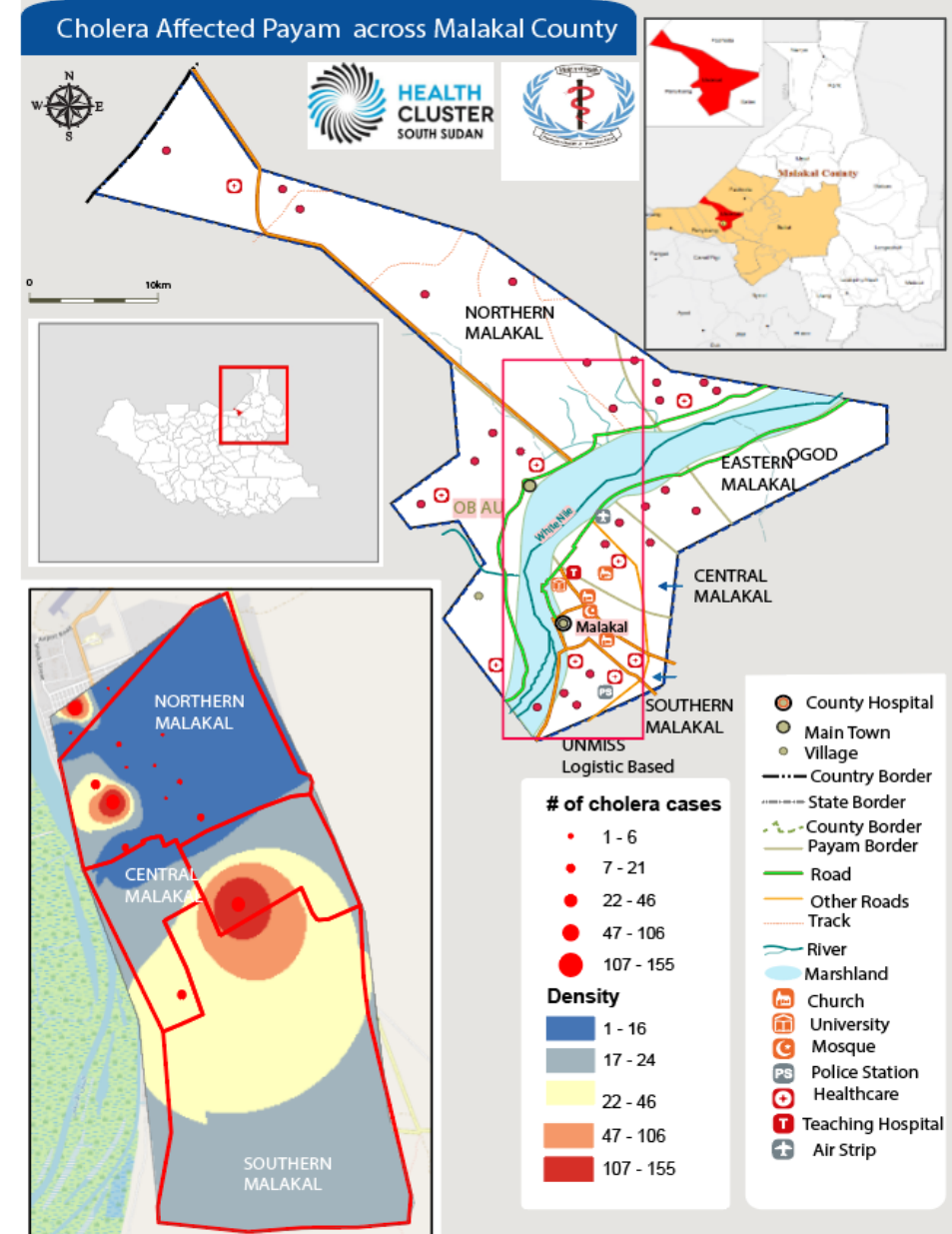
# **CHOLERA OUTBREAK IN MALAKAL**



# Key Epidemiological highlights from Malakal as of 14 May 2023



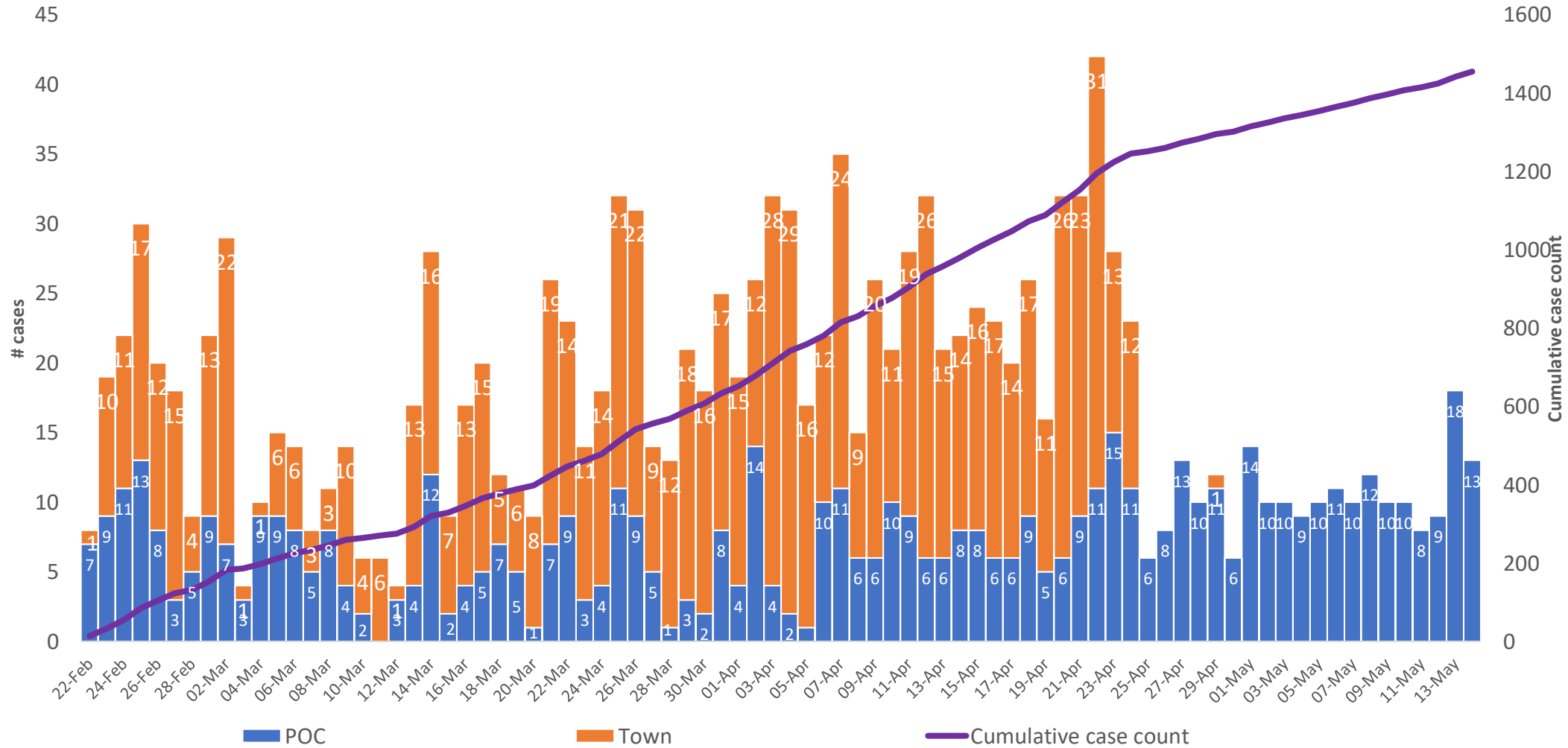
- On 1<sup>st</sup> March 2023, the National Ministry of Health received information of suspected cholera cases with two (2) RDT positive
- On 2<sup>nd</sup> March 2023, nine (9) samples were received at the NPHL, and **two (2) samples tested positive for vibrio cholerae** by Polymerase chain reaction (PCR) on 6<sup>th</sup> March 2023.
- On 7 March 2023, the National Ministry of Health declared a cholera outbreak in Malakal County, Upper Nile State
- Cumulatively, from 22 February to 14 May 2023 a total of 1,455 cases with **(2) death (CFR-0.14%)**
- Thirteen (13) new cases and 0 deaths have been reported as of 14 May 2023 (POC = (13) and Town = ( 0)
- Overall, 759 (52%) of the cases are males and 696(48%) are females.
- Children of age 1 – 4 years old are the most affected accounting for 704 (48%) of the total cases reported followed by 15 years and above 499 (34%).
- Oral Cholera vaccination campaign commenced on 16 March 2023 targeting 66,121 individuals aged 1 year and above in the POC and Malakal town .
- Cumulatively, 54,538 people have been vaccinated (Malakal town and POC) with OCV for 5 days s of the campaign achieving 83% coverage





# Epi curve showing cholera cases in Malakal County

Epi curve showing cholera cases in Malakal County as of 14<sup>th</sup> May 2023

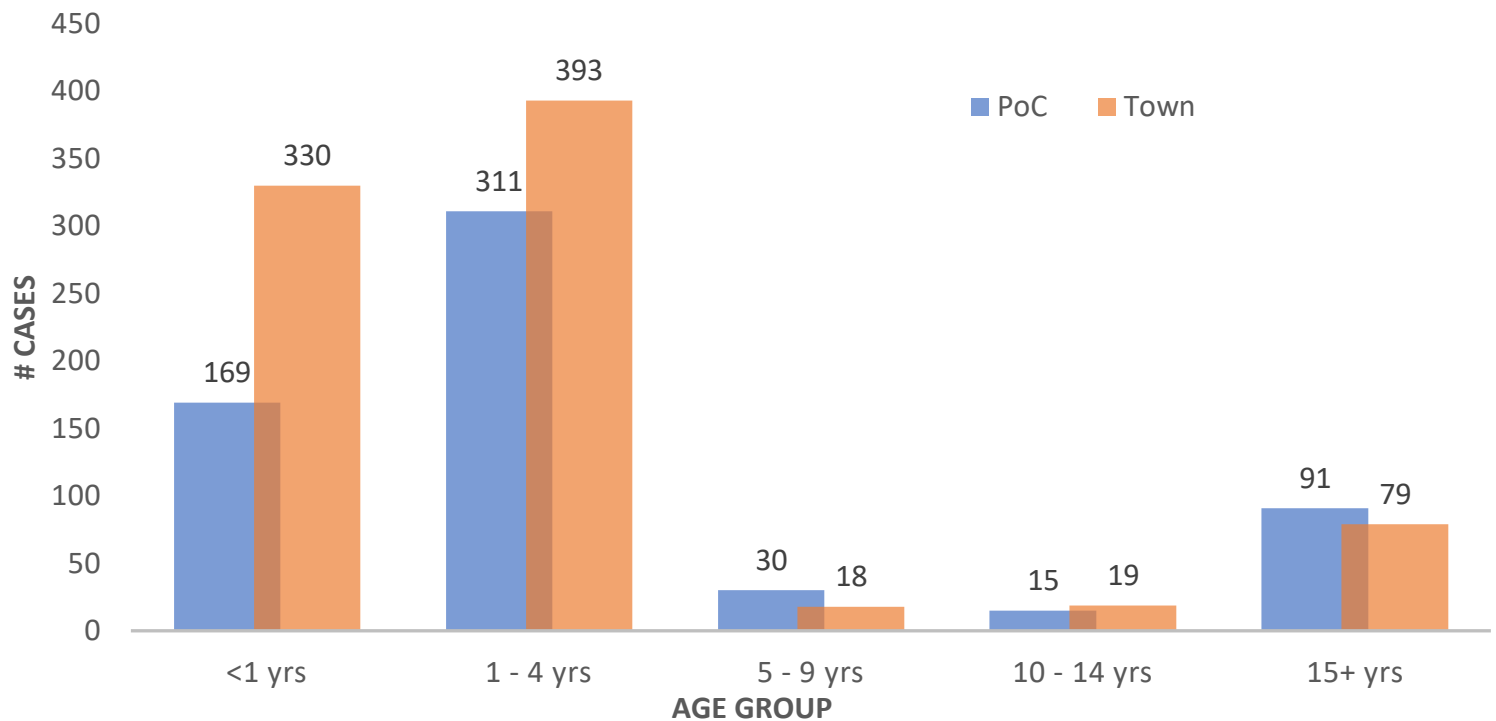


- The cumulative cases up to date stands at 1,455.
- Cumulative number of deaths reported = 2 (CFR = 0.14%).
- Malakal town accounted for 58% (839) of all the reported cases, while PoC accounted for 42% (616).
- Thirteen (13) cases were recorded on May 14<sup>th</sup>, all cases were reported from the PoC.

**NB: Interval unit between label in X Axis = 2**

# Cholera cases in Malakal County by age group.

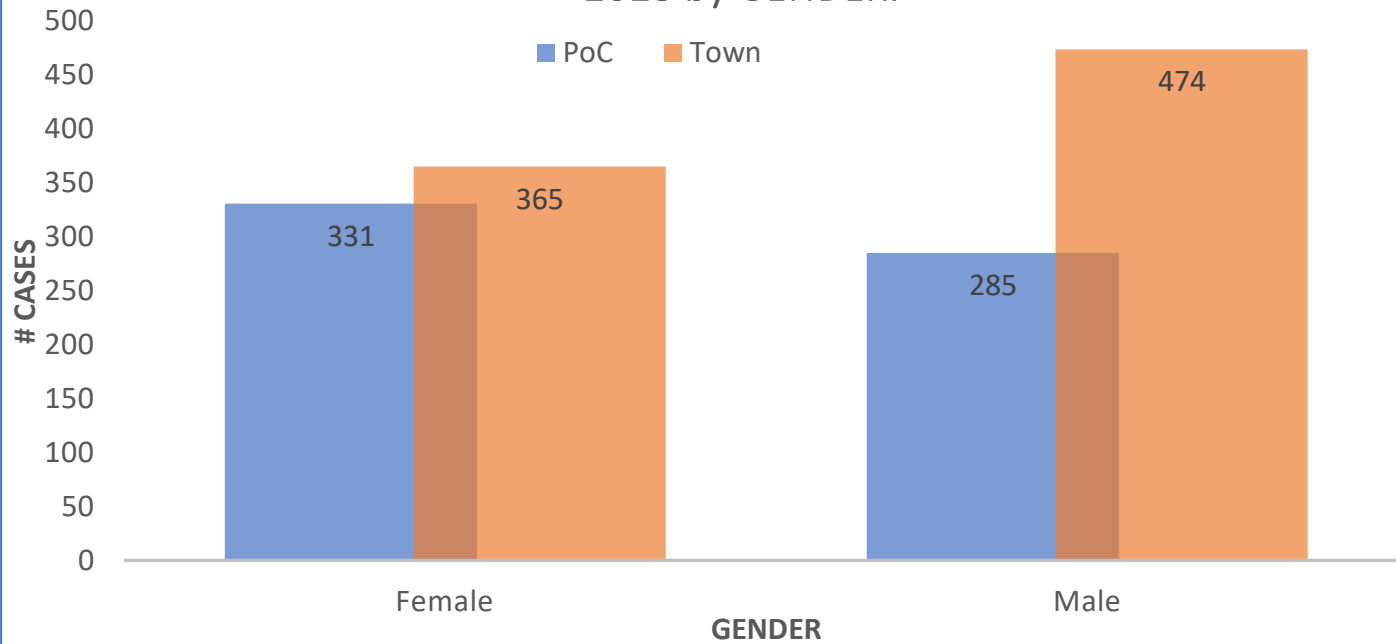
Chart showing cholera cases in Malakal County as of 13th May 2023 by age group.



- In terms of case distribution by age group, children of age 1 – 4 years old are the most affected which accounting for (48%, n=704), followed by those under 1 year old (34%, n=499).
- The highest number of cases among children aged 1-4 years was reported in Malakal town (393), with a total of 311 cases reported in the PoC.

Age group	Cases	Percentage	Cum %
<1 yrs	499	34%	34%
1 - 4 yrs	704	48%	83%
5 - 9 yrs	48	3%	86%
10 - 14 yrs	34	2%	88%
15+ yrs	170	12%	100%
<b>Grand Total</b>	<b>1455</b>	<b>100%</b>	

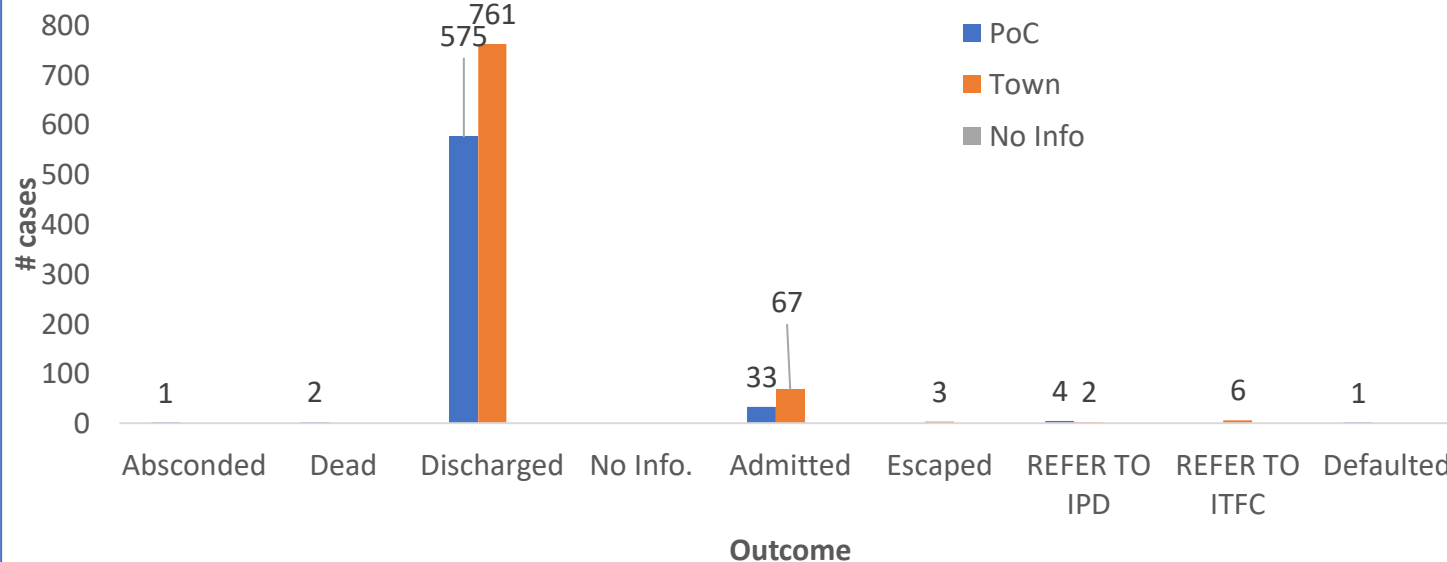
Chart showing cholera cases in Malakal County as of 14th MAY 2023 by GENDER.



The gender distribution of the total cases indicates that male constitute of 52% (759) while women constitute of 48% (696). Malakal town has the highest number of reported cases among both genders.

Gender	Cases	Percentage	Cum %
Female	696	48%	48%
Male	759	52%	100%
Grand Total	1455	100%	

Number of cholera cases in Malakal County as of 14<sup>th</sup> April 2023 by outcome.

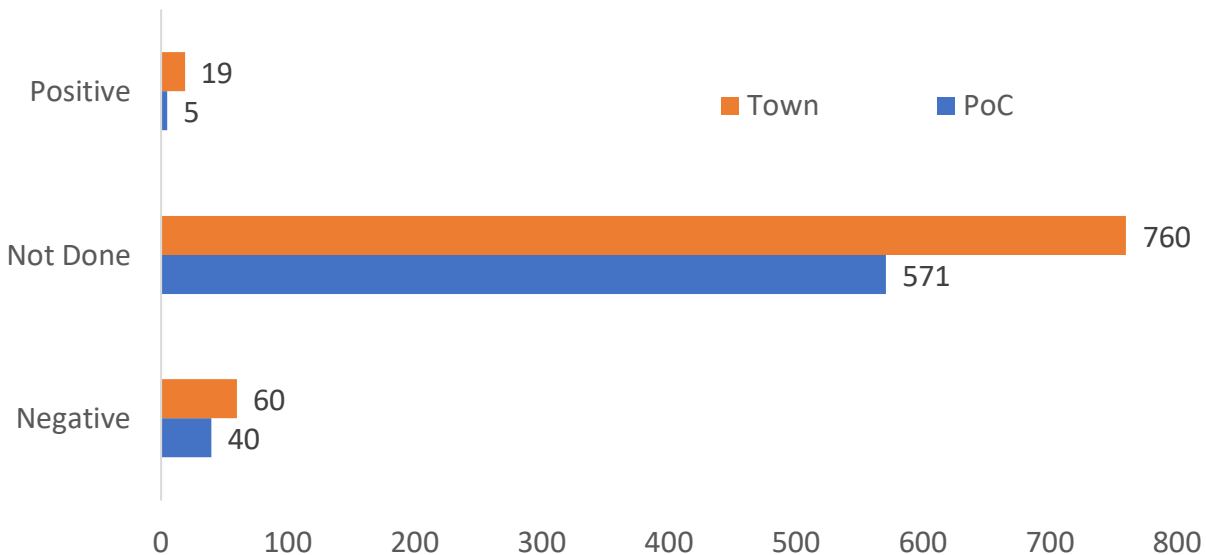


Three (3) inpatient reported on 14<sup>th</sup> May 2023. Majority of the cases have been discharged from the cholera treatment centers both in town and PoC as depicted in the graph.

The cumulative death stand at 2 since the onset of the outbreak;

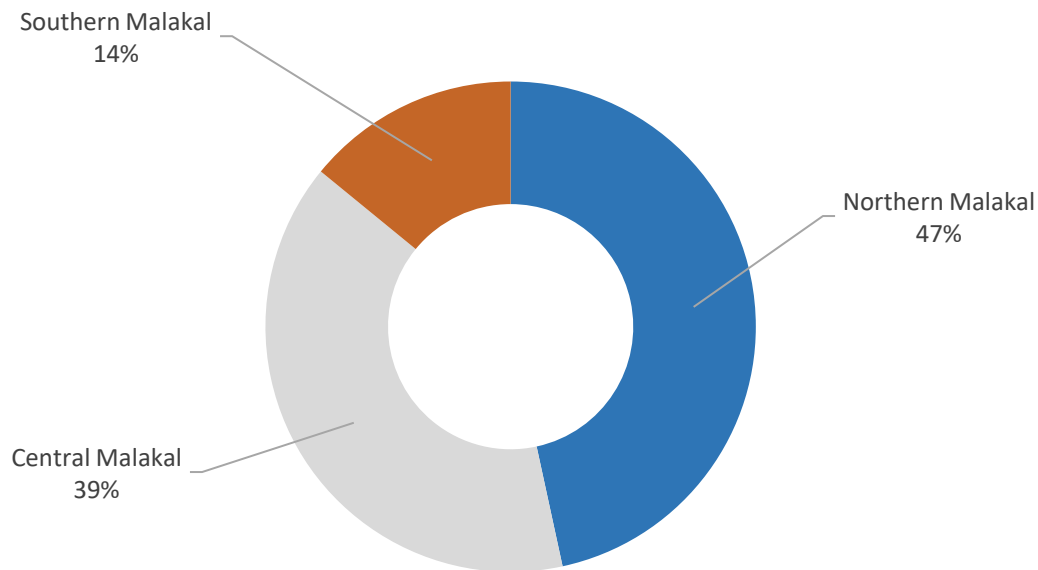
6 cases referred to IPD, and 6 referred to ITFC.

**Number of cholera cases in Malakal County as of 14<sup>th</sup> May 2023 by Test Conducted (RDT).**



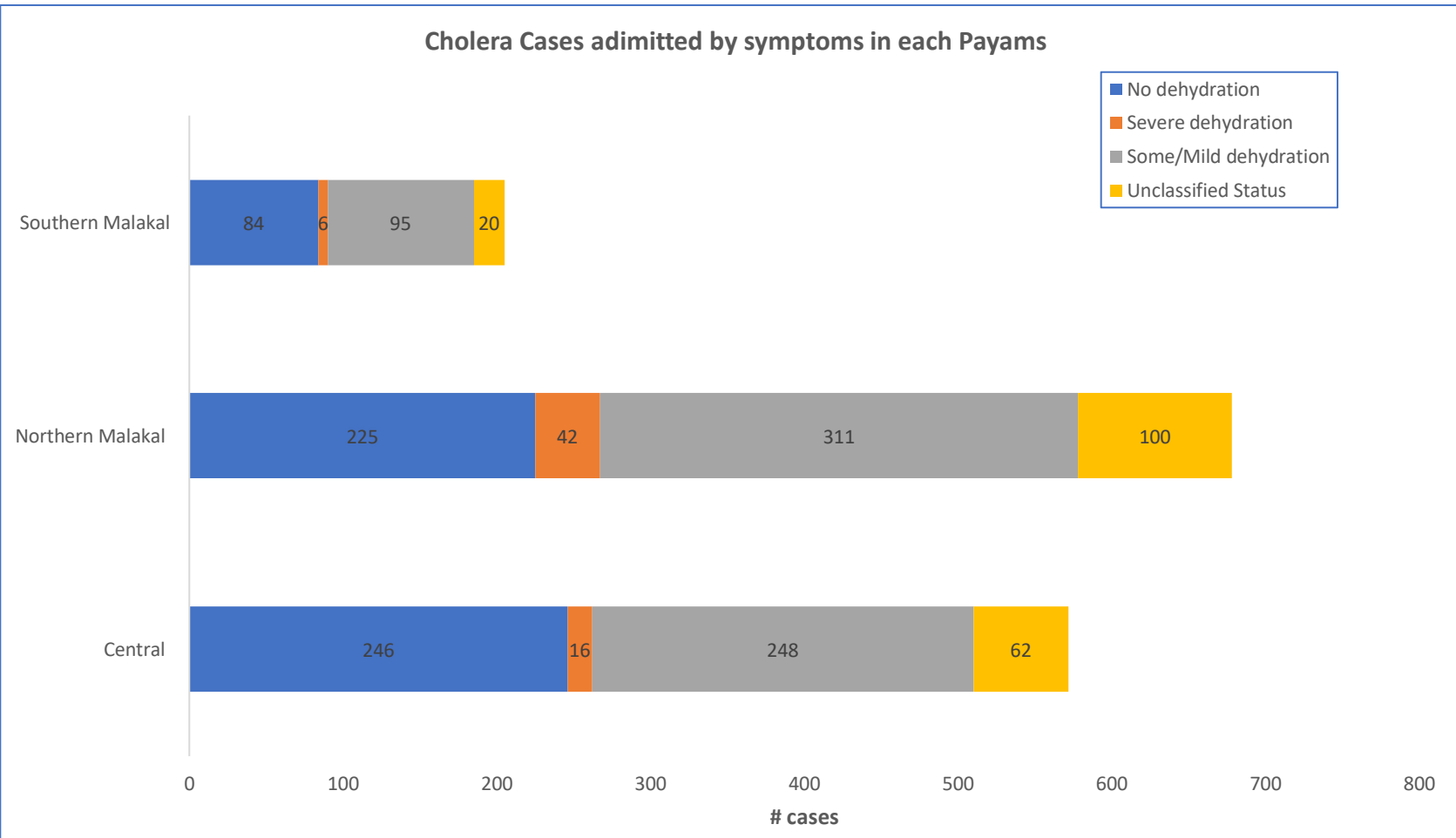
- No positive case confirmed by RDT on May 14<sup>th</sup>
- Since the onset of outbreak, 24 cases have tested positive on RDT, with 19 cases in the town and 5 cases PoC.
- 100 negative RDT Cholera cases, and 1,331 without RDT confirmation.

**Number of cholera cases in Malakal County as of 14<sup>th</sup> May 2023 by Payam.**



- The Cholera cases have been reported from three (3) Payams namely: Central; Northern Malakal and Southern Malakal.
- Malakal Central reported 39% of the total cases and Northern Malakal account for 47% while Southern Malakal recorded 14%.

# Cholera Cases Admitted by Symptoms



- Out of the total number of the cholera cases 555 cases presented with no dehydration;
- 64 cases were identified with severe dehydration;
- 654 cases were presented with some/mild dehydration;
- 182 cases unclassified in the line list.

# Key interventions and Challenges in Malakal as of 30<sup>th</sup> March 2023

## Key Interventions

- The National Ministry of Health declared a Cholera outbreak in Malakal county, Upper Nile State on 7<sup>th</sup> March 2023,
- The National EOC was immediately activated and MOH IMS instituted
- Ongoing coordination at both National and State levels to discuss the ational and State Cholera Taskforce continue to meet regularly to provide operational and strategic guidance to the ongoing cholera outbreak response.
- A multisectoral National and State RRT continue to provide epidemiological investigation and technical support to the response interventions in Malakal County.
- Launching of the Oral cholera vaccination targeting 66,121 individuals aged 1 year and above on 16 March 2023
- Over 54,538 people have been vaccinated both in the POC and Malakal town with a coverage of 83% in 5 days.
- WHO hired 2 additional vehicles to support response activities in Malakal.
- WHO has dispatched 1 x 48sqm and 1 x 24sqm medical tents to Malakal to support the ongoing Cholera response.
- WHO conducting a 5 days Case management training starting on 28 March and 1 April 2023 to support health partners (IMC, IOM, MSF and DRC)
- MSF completed the rehabilitation the Cholera treatment Center (CTC) in PoC and functional from Monday it will be official open
- 7 ORP supported IMC and 2 ORP supported by IOM with a total of 121 patient see, presented with AWD, no dehydration status, treated with ORS and discharged in 4 hours.
- Cumulation of 590 cholera case managed at the MSF facilities sites both for PoC with 215 (36%) and Town with 375 cases (64%).
- WHO/MOH continue to conduct active case searches in three (3) Health facilities (IOM PHCC,IMC PHCC & MSF Isolation in POC
- Cholera-specific training conducted focusing on Case Management, Lab, RCCE, IPC, WASH & Surveillance

**Source: Situation report: No. 008**

## Challenges

- Inadequate access to safe and clean water due to limited WASH supplies.
- Sub-optimal risk communication and community engagement in cholera affected high-risk locations.
- Inadequate RDT testing of suspected cholera cases at the subnational level, most especially, in health facilities and treatment centers.
- Lack of designated ambulance to facilitate referral of cholera cases and designated vehicle for the safe dignified burial (SDB) team.
- Identification of personnel to be trained safe and dignified burial (SDB).
- Overcrowding in the POC due to the continued influx of IDPs poses is a major challenge to the limited WASH facilities in the POC.
- The CTC in Malakal Teaching Hospital (MTH) has been closed and cases are been referred to POC
- Activation of the State RRT to responses with an active case search and investigation

# Risk of Cholera spread to other states

Oral cholera vaccination was conducted only in 6 out of the 20 cholera hotspot counties

Significant population movements within Malakal IDP camps (Estimated Population is 34056) and back and forth movement between the IDPs in Juba and the displacement from the recent Tonga- Panyikang crisis.

There is also a challenge of access to safe and clean water and also the practice of open defecation

Continued flooding due to heavy rain experienced in the past 4 years & the next rainy season is likely to start in April



**World Health  
Organization**  
South Sudan

# ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

MEASLES ` UPDATES



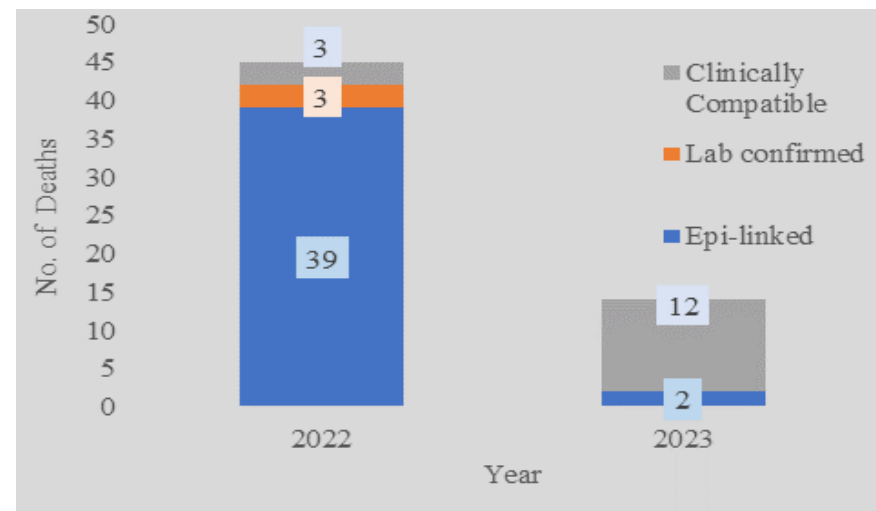


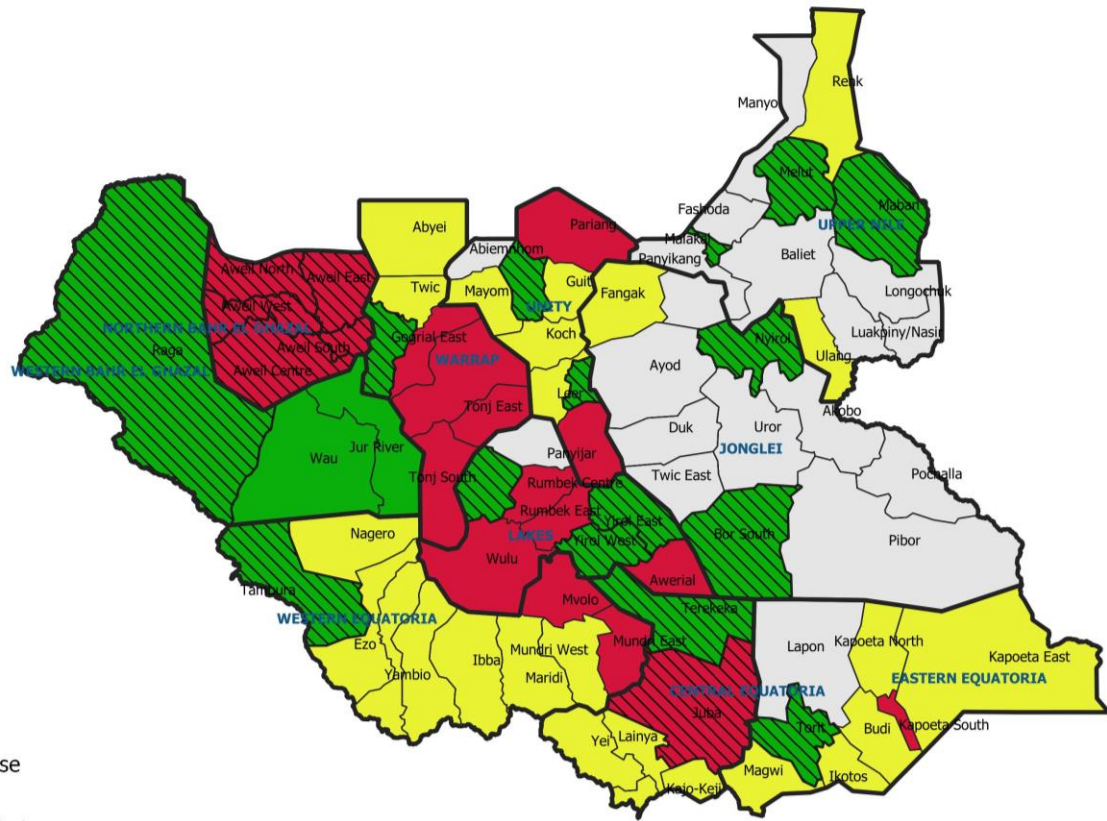
- A cumulative of 6,046 suspected cases have been reported; 4,137 and 1,909 in 2022 and 2023, respectively
- No new cases reported in week 18 of 2023
- No new reactive measles vaccination campaign conducted.
- The focus is now on the ongoing Nation-wide integrated measles vaccination campaign that has been launched on the 25th April 2023 at Al Sabah Hospital targeting 2.7 million children aged 6 to 59 months across South Sudan

Table: Yearly distribution of cases by final classification

FINAL CLASSIFICATION	2022		2023		TOTAL
	NO. OF CASES	%	NO. OF CASES	%	
Lab confirmed	392	9.5	200	10.7	592
Epi-linked	2,825	68.3	284	15.3	3,109
Clinically Compatible	391	9.5	1,321	70.9	1,712
<b>Total</b>	<b>3,608</b>	<b>87.2</b>	<b>1,805</b>	<b>96.9</b>	<b>5,413</b>
Discarded (-ve)	529	12.8	104	5.6	633
<b>Grand Total</b>	<b>4,137</b>	<b>100.0</b>	<b>1,909</b>	<b>100.0</b>	<b>6,046</b>

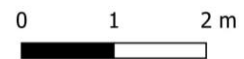
Deaths by year and final classification





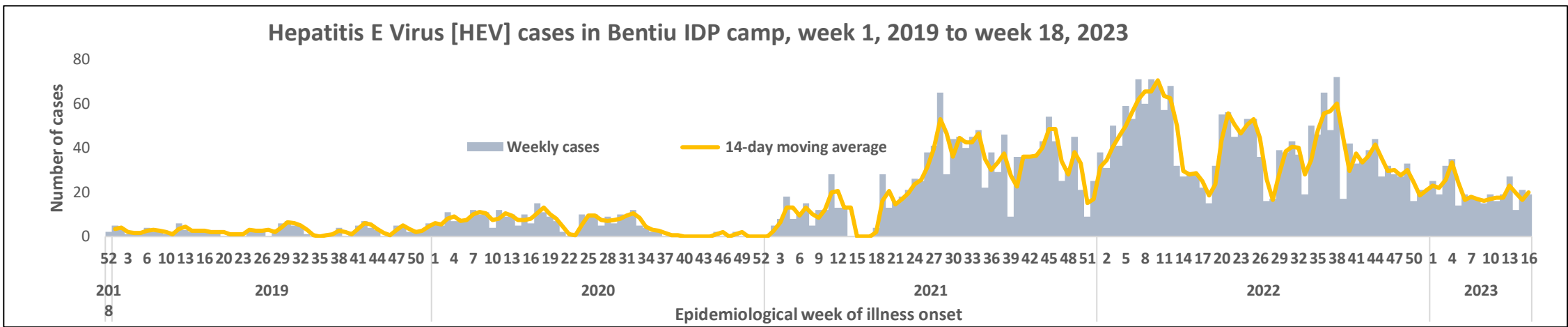
**Legend**

-  Response
-  Active
-  Controlled
-  Suspected Cases
-  No Reported Cases



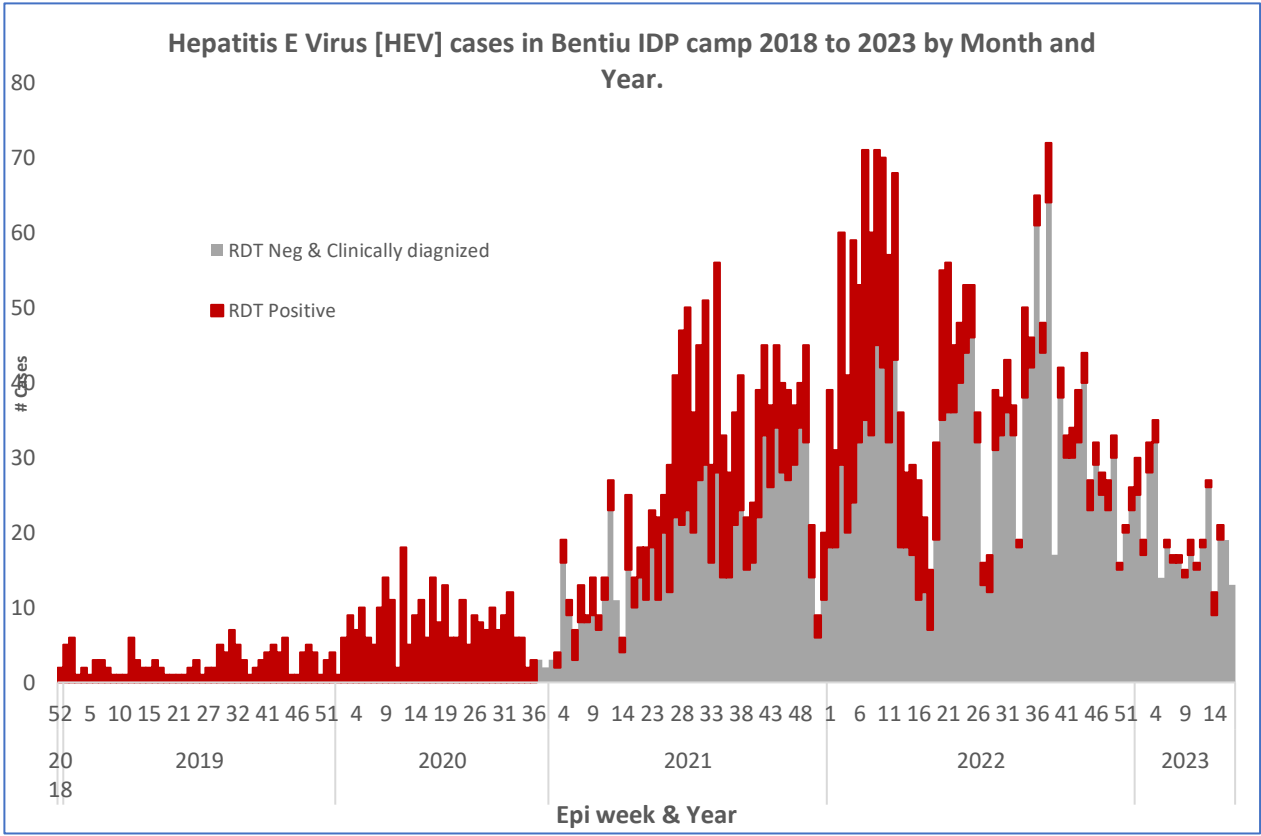
# ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

HEPATITIS E VIRUS ` UPDATES



**Descriptive Epi**

- Cases of Acute Jaundice Syndrome (AJS) in the Bentiu IDP camp continue with an overall total of 4,136 cases since the beginning of 2019 to week 18 2023 with overall 27 deaths. CFR of 0.65%
- Of all the cases, reported, 1481 tested positive for Hepatitis E virus by Rapid Diagnostic Test.
- In 2023, of the 326 AJS cases reported, only 28 tested positive for Hepatitis E Virus by RDT.
- No new AJS cases reported in week 18 and no RDT positive reported in week 18 2023
- Of all the AJS cases reported in, 2023 only 105 were managed as inpatient cases and the rest were treated as outpatients
- 46% are female and 54% are male of all the AJS. 40% of all the cases are in the age-group 15-44 years followed by 24% in children ages 1-4 years



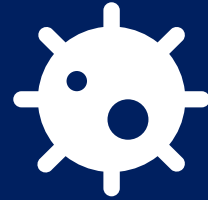
### **HEV response update**

1. Biweekly coordination forum comprising health, WASH, and other clusters
2. Surveillance enhanced through the provision of refresher training, distribution of case definition, and other reporting tools
3. Weekly analytics of the outbreak data to monitor trends and inform decision making
4. Case management for symptomatic cases provided by the PHCCs; severe cases are referred to MSP PoC Hospital
5. The HEV vaccination campaign was conducted in Bentiu IDP Camp; the first round with a coverage of 91% and the second round with a coverage of 82% among those aged 16-40 years (incl. pregnant women).
6. Risk communication and awareness are enhanced through household health promoters/hygiene promoters; radio talk shows and messaging. Cholera and HEV messages were disseminated.
7. Enhanced access to safe drinking water, sanitation facilities such as latrines, mass clean-up campaigns, regular water quality testing, and monitoring

### **HEV response challenges**

1. Lack of long-term investment to improve the WASH situation in the camp
2. Lack of meaningful behavioral changes among the population
3. Frequent population movements between the IDP and host communities; the host community was not vaccinated
4. Floods have worsened the WASH situation in the camp

# COVID-19 UPDATES

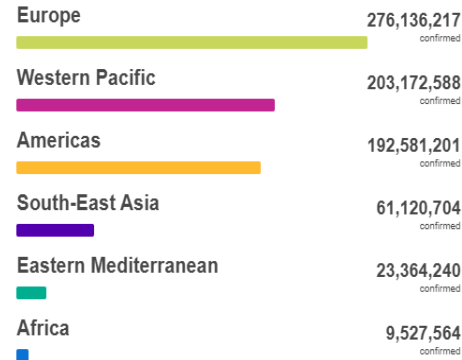




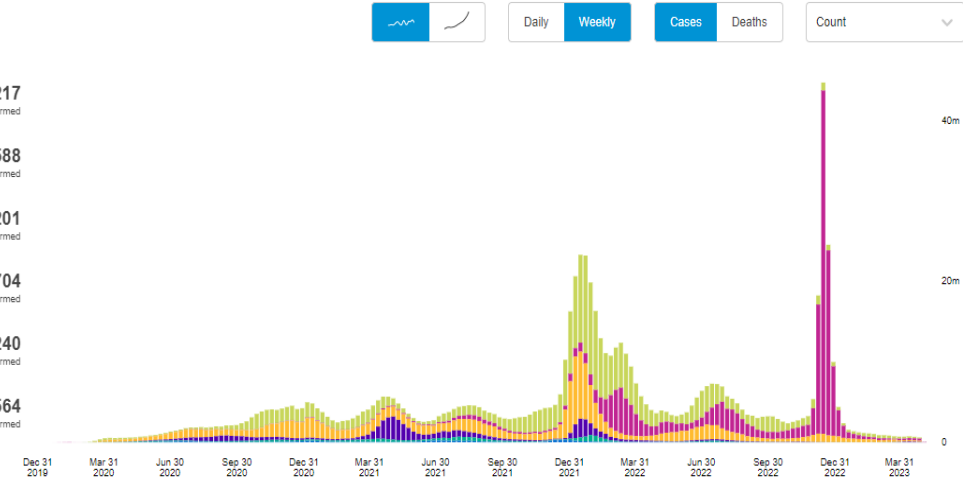
## Situation update as of 10, May 2023

- Globally, 10 May 2023, there have been **765,903,278** confirmed cases of COVID-19, including **6,927,378** deaths, reported to WHO. As of 9 May 2023, a total of **13,350,487,934** vaccine doses have been administered.
- In Africa, as of 10 May 2023 there have been **9,527,564** confirmed cases of COVID-19, including **175,354** deaths reported to the WHO
- In South Sudan, from 3 January 2020 to 10 May 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.
- Second round of the COVAX campaign has been launched and the campaign is ongoing in most counties to cover the remaining 72 counties

### Situation by WHO Region



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



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



**OVERALL  
CONCLUSIONS AND  
RECOMMENDATIONS**



# Conclusions



- In week 17, 2023, the IDSR reporting timeliness and completeness were 80% and 89% respectively and timeliness and completeness for EWARN sites were at 83% and 89% respectively
- A total of 83 alerts were triggered in week 18, 2023 most of the alerts were for AWD (20), measles(25), malaria(20) and bloody diarrhea (11) alerts
- Ministry of Health Republic of South Sudan declared cholera outbreak in Malakal with a total of 1455 cases reported with Two (2) death giving a CFR of 0.14% from February 22 to 14 May 2023 from both Malakal IDP camp and town
- Measles outbreaks continue with 6,046 reported; cases, 3,109 (15.3%) are epi-linked, 592(10.7%) lab-confirmed, 1,712(70.9%) clinically compatible, and 633(5.6) discarded cases have been reported from epidemiological week 1, 2022, to week 18, 2023
- The persistent transmission of HEV in the Bentiu IDP camp continues with 4,136 cases since the beginning of 2019 and no new cases reported in week 18 of 2023.
- Hepatitis E Virus outbreak in Western Bahar el Ghazal State with 147 cases and 6 deaths CFR 4.1% since the start of the outbreak on 22 March 2023
- Nation wide integrated measles vaccination campaign has been launched on the 25th April 2023 at Al Sabah Hospital targeting 2.7 million children aged 6 to 59 months across South Sudan

# 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
- Conduct reactive measles vaccination campaign in counties with confirmed outbreaks and advocate for enhanced routine immunization through PIRI
- Continue with preparedness activities to strengthen surveillance at all levels including conducting after-action reviews and simulation exercises.
- Continue to support the multicluster HEV response strategy in the Bentiu IDP camp and advocate for depopulation of



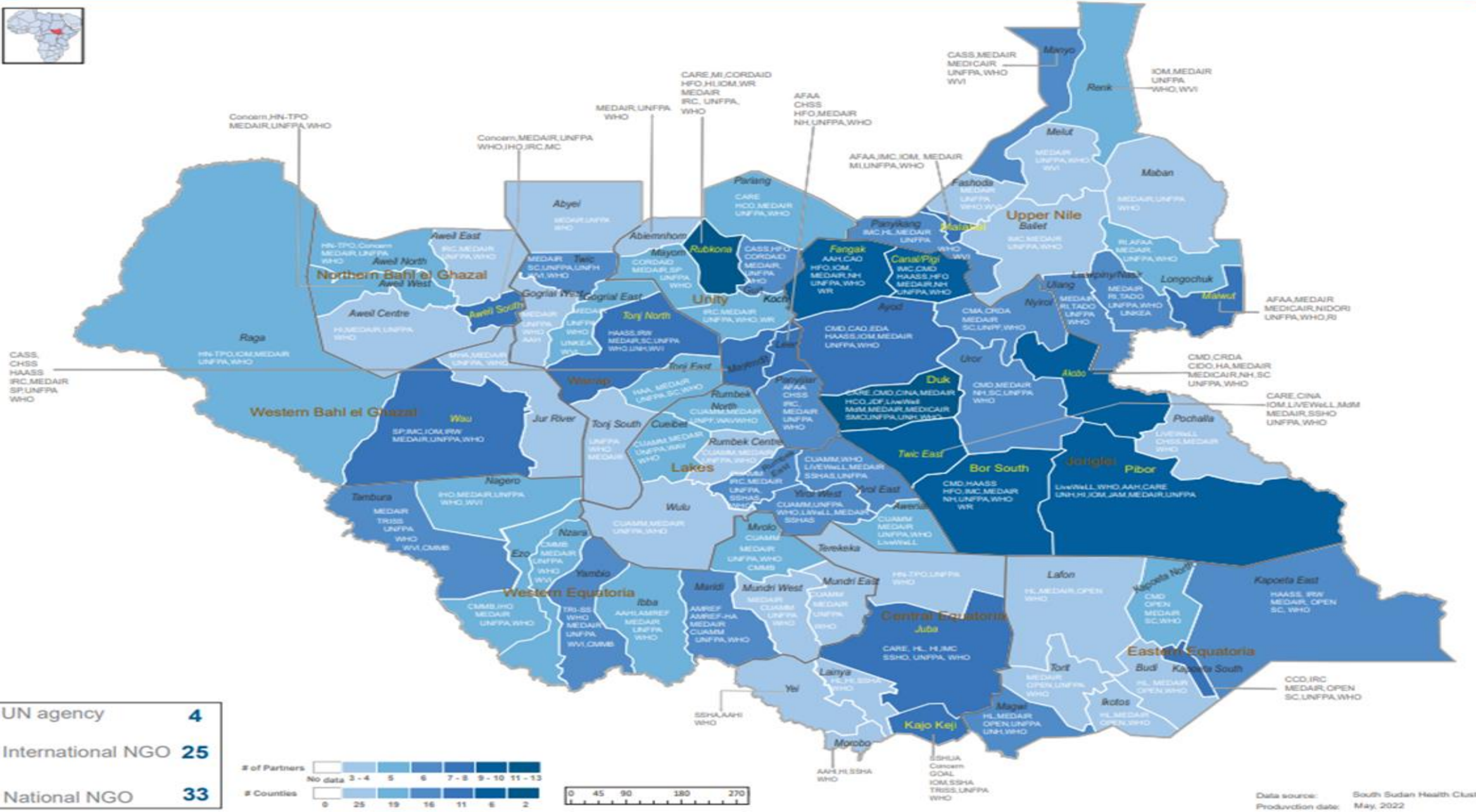


# IDSR timeliness & completeness performance at county level for week 18 and 17 of 2023 (2)



STATE	COUNTY	Number of reporting sites	No. of HFs Reported on Time in WK 18	Timeliness Percentage of WK 18	No. of HFs Reported regardless of time in WK 18	Completeness Percentage of WK 18	No. of HFs Reported regardless of time in Wk 17	Completeness Percentage of WK 17	STATE	COUNTY	Number of reporting sites	No. of HFs Reported on Time in WK 18	Timeliness Percentage of WK 18	No. of HFs Reported regardless of time in WK 18	Completeness Percentage of WK 18	No. of HFs Reported regardless of time in WK 17	Completeness Percentage of WK 17
									Upper Nile	Renk	6	6	100%	6	100%	0	0%
Jonglei	Pibor	8	8	100%	8	100%	8	100%	Warrap	Tonj East	12	12	100%	12	100%	12	100%
Jonglei	Bor	19	19	100%	19	100%	19	100%	Warrap	Tonj North	15	15	100%	15	100%	15	100%
Jonglei	Pochalla	7	7	100%	7	100%	7	100%	Warrap	Tonj South	12	12	100%	12	100%	12	100%
Jonglei	Twic East	9	9	100%	9	100%	0	0%	Upper Nile	Baliet	5	5	100%	5	100%	3	60%
EES	Torit	11	11	100%	11	100%	9	82%	Upper Nile	Panyikang	2	2	100%	2	100%	2	100%
EES	Kapoeta East	7	6	86%	6	86%	7	100%	Upper Nile	Akoka	5	5	100%	5	100%	5	100%
Jonglei	Ayod	13	11	85%	12	92%	12	92%	Upper Nile	Ulang	9	8	89%	8	89%	8	89%
Jonglei	Duk	13	11	85%	11	85%	13	100%	Upper Nile	Fashoda	9	8	89%	8	89%	8	89%
EES	Magwi	17	14	82%	17	100%	16	94%	Warrap	Gogrial East	15	12	80%	13	87%	14	93%
Jonglei	Fangak	21	17	81%	17	81%	15	71%	Warrap	Abyei	14	11	79%	11	79%	12	86%
EES	Kapoeta North	10	8	80%	8	80%	10	100%	Upper Nile	Maban	19	13	68%	18	95%	18	95%
Jonglei	Canal Pigi	14	9	64%	9	64%	10	71%	Warrap	Gogrial West	31	19	61%	27	87%	24	77%
Jonglei	Akobo	15	9	60%	11	73%	10	67%	Upper Nile	Makal	9	5	56%	7	78%	5	56%
EES	Budi	17	10	59%	13	76%	9	53%	Upper Nile	Luakpiny Nasir	10	5	50%	8	80%	9	90%
EES	Ikotos	19	11	58%	15	79%	15	79%	Warrap	Twic	28	12	43%	12	43%	20	71%
EES	Kapoeta South	9	5	56%	9	100%	4	44%	Upper Nile	Longechuk	9	1	11%	8	89%	9	100%
Jonglei	Nyirrol	2	1	50%	1	50%	1	50%	Upper Nile	Manyo	15	0	0%	12	80%	5	33%
EES	Lopa Lafon	15	6	40%	15	100%	9	60%	Upper Nile	Maiwut	9	0	0%	5	56%	5	56%
Jonglei	Uror	8	0	0%	0	0%	1	13%	Upper Nile	Melut	6	0	0%	0	0%	0	0%

# South Sudan Health Cluster HRP Partners 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>**

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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>

