



South Sudan Ministry of Health

Integrated Disease surveillance
and response (IDSR)



World Health
Organization
South Sudan

Epidemiological Bulletin Week 24, 2023 (12 June - 18 June)



Major epidemiological highlights in week 24 of 2023

- In week 24, 2023, the IDSR reporting timeliness and completeness were **83%** and **89%** respectively and timeliness and completeness for EWARNS sites were at **84%** and **85%** respectively
- A total of 135 alerts were triggered in week 24, 2023 most of the alerts were for malaria (32), AWD (30), measles(23), ARI (22), and bloody diarrhea (19) alerts
- Measles outbreak cases continue to be reported in South Sudan with 6447 cases reported from January 2022 to **week 25, 2023**, with 69 related deaths giving a CFR of 1.0%
- Measles outbreak in Renk County, with 247 cases and 7 deaths giving a CFR of 2.8% as of week 25
- As of June 20, 2023, a total of **122,580 individuals and 26,191 households** have arrived in South Sudan through 15 PoEs with a majority (90%) entering through Joda to Renk

SURVEILLANCE PERFORMANCE



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



IDSR Completeness performance at State level for week 24 & 23 of 2023



Completeness States Ranking	States	Number of reporting sites	No. of HFs Reported regardless of time in WK 24	Completeness Percentage of WK 24	No. of HFs Reported regardless of time in WK 23	Completeness Percentage of WK 23
1st	WES	217	217	100%	217	100%
2nd	CES	128	126	98%	125	98%
3rd	Lakes	114	109	96%	109	96%
4th	Warrap	127	119	94%	110	87%
5th	NBGZ	89	81	91%	83	93%
6th	EES	105	94	90%	86	82%
7th	WBGZ	80	68	85%	64	80%
8th	Upper Nile	121	102	84%	95	79%
9th	Unity	101	85	84%	87	86%
10th	Jonglei	129	102	79%	101	78%
	South Sudan	1211	1103	91%	1077	89%

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 24 stands at 91% while in week 23 it was at 89% and 9 states are above the national target of 80%.

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



IDSR timeliness performance at State level for week 24 & 23 of 2023



Timeliness States Ranking	States	Number of reporting sites	No. of HFs Reported on Time in WK 24	Timeliness Percentage of WK 24	No. of HFs Reported on Time in WK 23	Timeliness Percentage of WK 23
1st	CES	128	123	96%	125	98%
2nd	Lakes	114	107	94%	105	92%
3rd	Warrap	127	112	88%	108	85%
4th	NBGZ	89	78	88%	74	83%
5th	WBGZ	80	68	85%	51	64%
6th	Unity	101	80	79%	76	75%
7th	Jonglei	129	101	78%	89	69%
8th	EES	105	72	69%	74	70%
9th	Upper Nile	121	62	51%	71	59%
10th	WES	217	111	51%	219	101%
	South Sudan	1211	914	75%	992	82%

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 25 stands at 75% while in week 23 it was at 82% and 4 states are above the National target of 80% .

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



Surveillance: EWARS Timeliness performance indicator by partner for week 24 and 23 of 2023



Partner	HFs	Reporting	Performance		
PARTER	Number of reporting sites	# of reports received on Time in Week 24	Timeliness of Week 24	# of reports received on Time in Week 23	Timeliness of Week 23
AFAA	1	1	100%	1	100%
SSHCO	1	1	100%	1	100%
IRC	1	1	100%	1	100%
World Relief	3	3	100%	0	0%
Medair	2	2	100%	2	100%
ForAfrika	13	13	100%	13	100%
Islamic Relief	5	5	100%	5	100%
MSF-H	4	4	100%	4	100%
CIDO	1	1	100%	1	100%
Medicair	5	5	100%	5	100%
SCI	2	2	100%	2	100%
IMC	22	15	68%	16	73%
IOM	10	8	80%	9	90%
HFO	10	9	90%	9	90%
SP	8	4	50%	4	50%
SMC	6	5	83%	6	100%
MSF-E	6	0	0%	4	67%
TRI-SS	2	2	100%	2	100%
UNIDOR	2	1	50%	2	100%
TOTAL	104	82	79%	87	84%

The Timeliness of EWARS in partners' supported sites stands at 79% in week 24 while in week 23 it was at 84%



Surveillance: EWARS completeness performance indicator by partner for week 24 and 23 of 2023

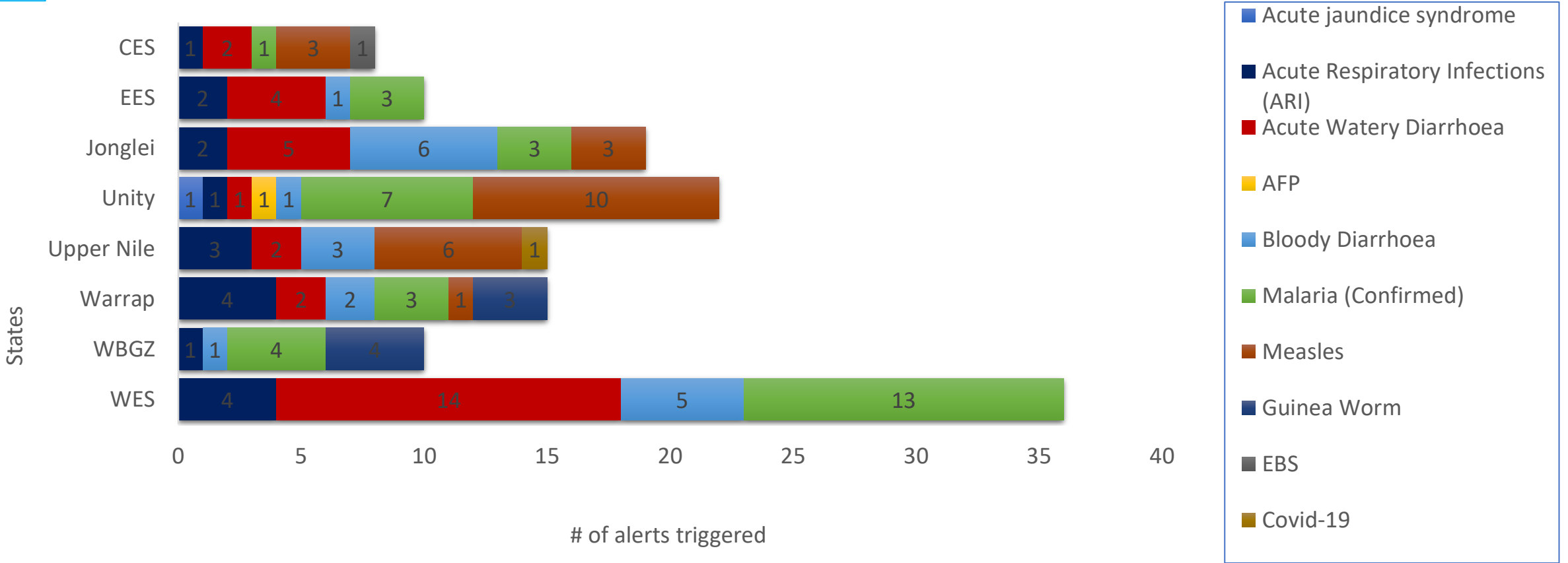


Partner	HFs	Reporting	Performance		
PARTER	Number of reporting sites	# of reports received regardless of Time in Week 24	Completeness of Week 24	# of reports received regardless of Time in Week 23	Completeness of Week 23
AFAA	1	1	100%	1	100%
SSHCO	1	1	100%	1	100%
IRC	1	1	100%	1	100%
Medair	2	2	100%	2	100%
ForAfrika	13	13	100%	13	100%
Islamic Relief	5	5	100%	5	100%
MSF-H	4	4	100%	4	100%
CIDO	1	1	100%	1	100%
Medicaire	5	5	100%	5	100%
SCI	2	2	100%	2	100%
TRI-SS	2	2	100%	2	100%
SMC	6	6	100%	6	100%
World Relief	3	3	100%	0	0%
IMC	24	22	92%	16	67%
HFO	10	9	90%	9	90%
IOM	10	8	80%	9	90%
MSF-E	6	4	67%	4	67%
SP	8	4	50%	4	50%
TOTAL	104	93	89%	85	82%

The Completeness of EWARS in partners' supported sites stands at **89%** in week **24** while in week **23** it was at **82%** .



Alert by disease and States in week 24 of 2023 [a total of events-specific alerts generated by state



This week a total of 135 Alerts were triggered of which 57 are from outbreak-prone diseases as Per the broken-down below

- 30 AWD alerts: these alerts were triggered from the following States, CES (2), EES (4), Jonglei (5), Unity (1), Upper Nile (2), Warrap (2), WES(14)
- 23 Measles alert: these alerts were triggered from the following States, CES(3), Jonglei (3), Unity(10), Upper Nile (6), Warrap(1)
- 1 AJS alert: this was from MSF-H Bentiu IDP Hospital
- 1 AFP alert this is from Abiemnhom PHCC in Abiemnhom County
- 1 EBS alert from Geri PHCU in Morobo County of 15 people at the same location presenting with acute watery diarrhea and are said to have eaten in the same pot hence reporting to the health facility with the watery diarrheal diseases
- 1 Covid-19 alert: Pinythor Phcu in Maiwut County

INDICATOR AND EVENT-BASED SURVEILLANCE



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

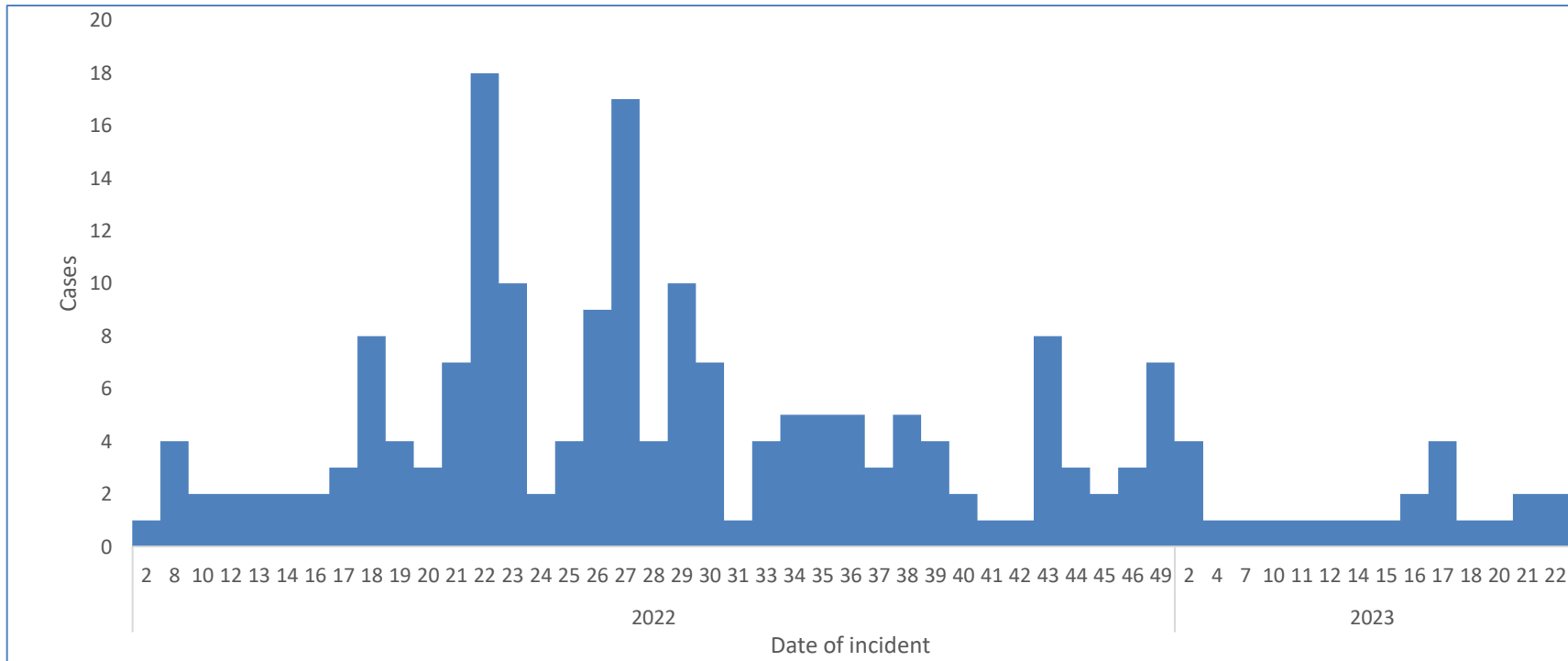
- **Viral Hemorrhagic Fever Alert from Longechuk County, Upper Nile State**



Viral Hemorrhagic Fever Alert from Longechuk County, Upper Nile State

- On the 16th of June 2023, a team consisting of staff from Nile Initiative Development Organization (NIDO) went for supportive supervision in Darjo PHCU, Dajo Payam, Longochuk County, Upper Nile State where they got reports of death cases from an unknown disease.
- The cases presented with vomiting blood, bloody diarrhea, sore throat, red eyes, running nose, blurry vision, cough, and itching. The deaths occurred within 3 days from the onset of the illness while those who went past 5 days improved. Four of the cases died (2 from Dajo and 2 from Pashimbi Boma).
- The reported cases came from Dukubela, an area bordering Pashimbi Boma and is between South Sudan and Ethiopia border. 150 deaths have already been reported in that area. One patient was admitted to Chotbora PHCC, but he is currently improving.
- Darjo PHCU is in a remote location with no road access as the area is flooded and it took the team from the national NGO approximately four days to walk to and from the
- An Emergency meeting was held at the PHEOC and RRT was activated to be deployed to the nearest place possible
- A team of 5 National RRTs was deployed to Longechuk Mathiang via Bor

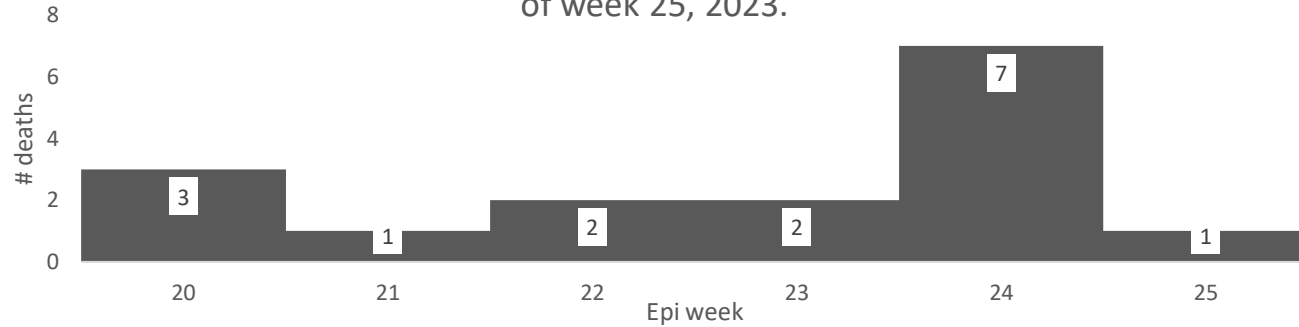
Snake bites in Lakes State



- Lakes State has been reporting in Lakes State since 2022
- Cumulatively, 215 cases and 6 deaths (CFR 2.7%) have been recorded since Jan, 2022.
- Most affected age groups were 30 + years at 33% in the last 2 years.
- Females were most affected (52%) compared to 48% of male
- Majority of cases were from Rumbek North in 2022 a

County	2022	2023	Total
Cueibet		12	12
Rumbek East	6		6
Rumbek North	115		115
Yirol East	59	29	88
Grand Total	180	41	221

Epi curve of mortality occurring in Renk county among the returnees as of week 25, 2023.

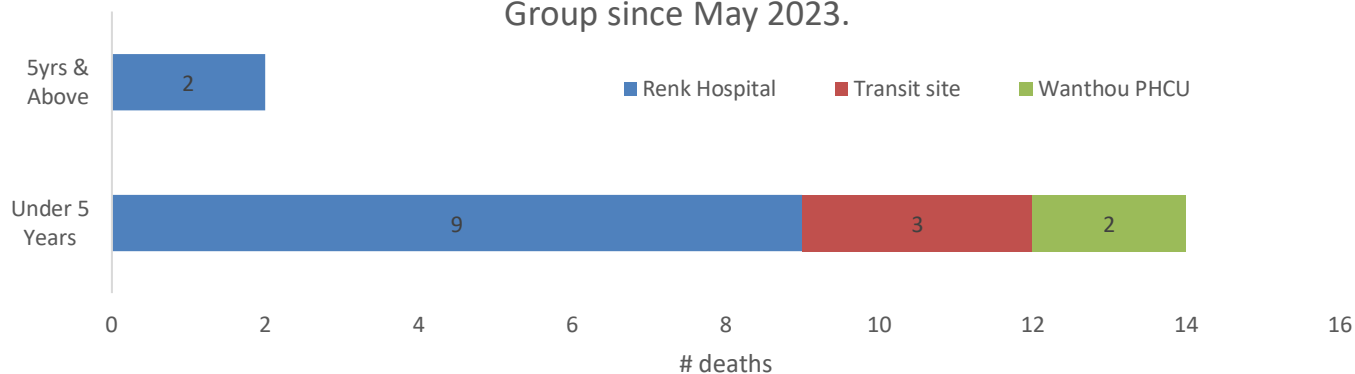


Causes of Deaths	Renk Hospital		Transit site	Wanthou PHCU	Grand Total
	<5	≥5	<5	<5	
AWD	7				7
Malaria				1	1
Measles	2	1	3	1	7
Malria		1			1
Grand Total	9	2	3	2	16

16 deaths have been reported as of 20th June 2023. Measles account for 7 of the total deaths.

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

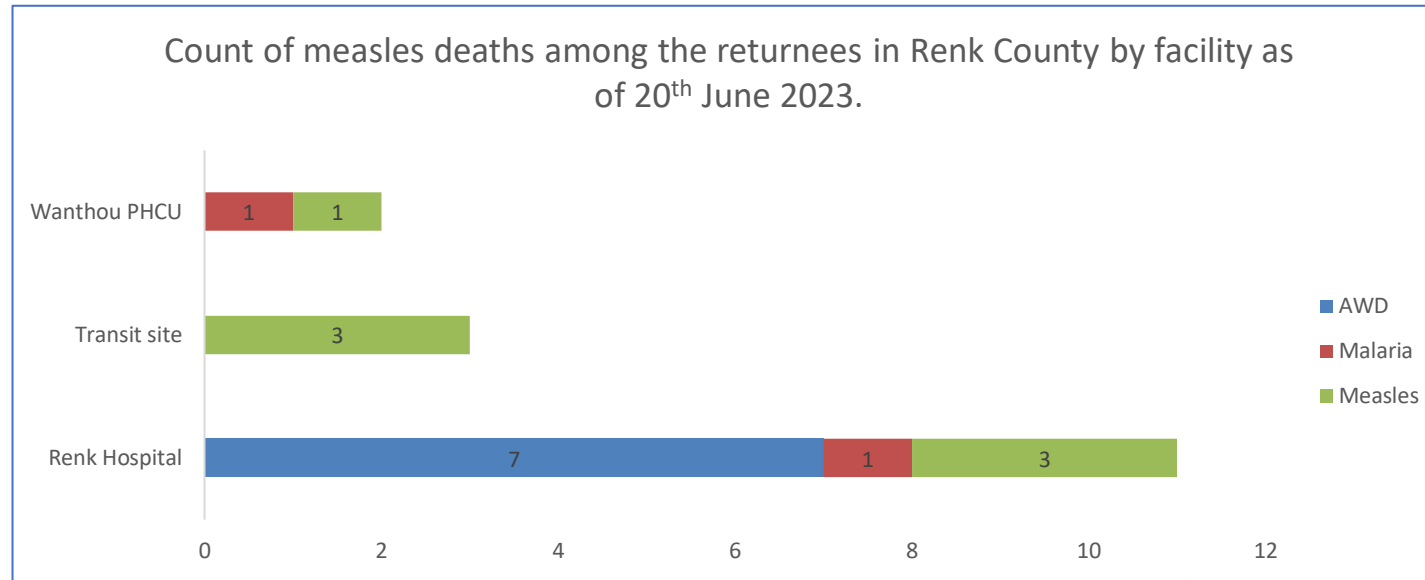
Fig. 1: Count of deaths among the returnees in Renk county by Age Group since May 2023.



Sex	Cases	Percentage
Female	9	56%
Male	7	44%
Grand Total	16	100%

By sex female accounted for 56% of the total deaths while male counterparts account for 44% of the total cases.

Deaths reported in Renk as of 20th June 2023.



location of death	Causes of deaths			Grand Total
	AWD	Malaria	Measles	
Renk Hospital	7	1	3	11
Transit site			3	3
Wanthou PHCU		1	1	2
Grand Total	7	2	7	16

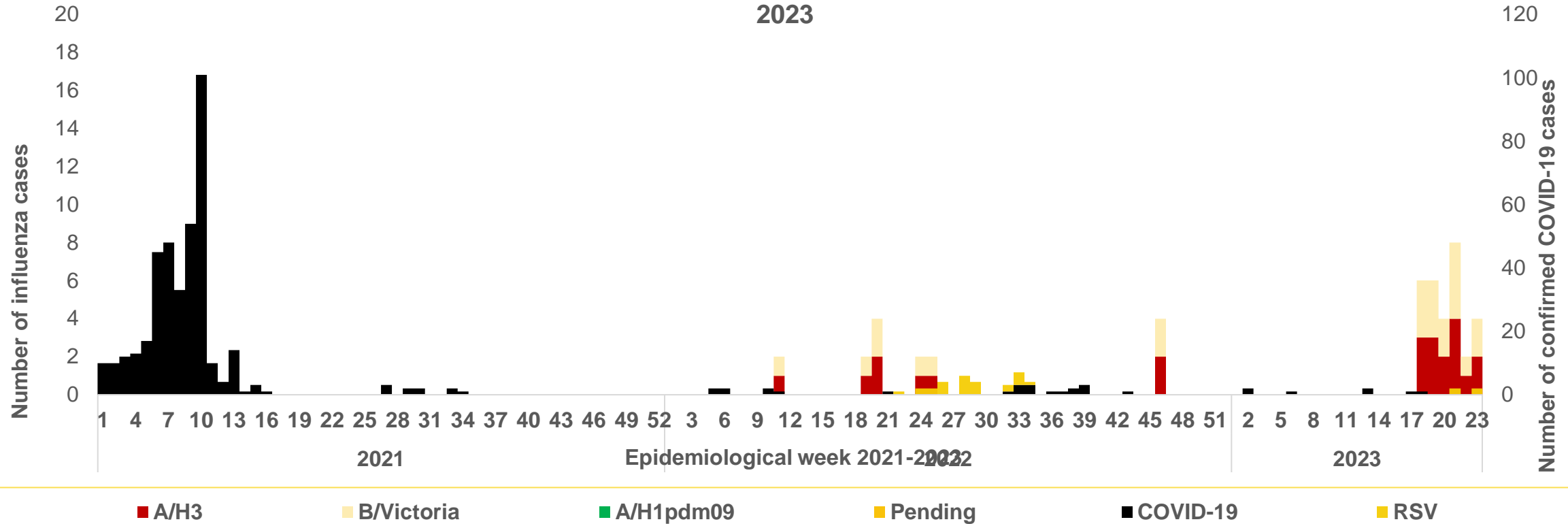
In term of deaths by location, Renk hospital and Transit site registered the greatest number of the deaths (7). Deaths due AWD is also alarming (7) of the other are due to AWD cases.

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 23, 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 1-23 2023, a total of 285 ILI/SARI were collected all 261 tested negative,6 positives for Covid-19, (14)Influenza types A (H3), B (Victoria), and 6 for RSV in weeks 23,2023



**ACTIVE OUTBREAKS AND
PUBLIC HEALTH EVENTS**

ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

MEASLES ` UPDATES



Measles Outbreak Highlights



6,447

Suspected cases

4,137

(392 LC)
in 2022

2,310

(228 LC)
in 2023

64

Deaths
Since Jan
2022

1.0%

CRF

68 counties across all 10 States have reported at least one suspected measles case.

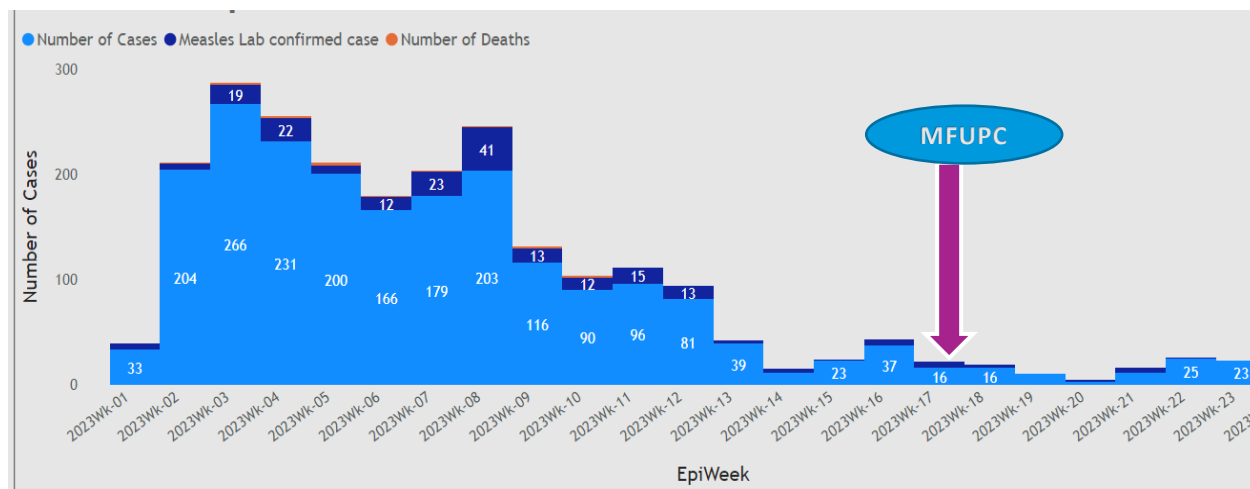
Reactive vaccination campaigns have been conducted in 22 counties, with 984,5394 children vaccinated

Twenty-four (24) newly suspected cases this week

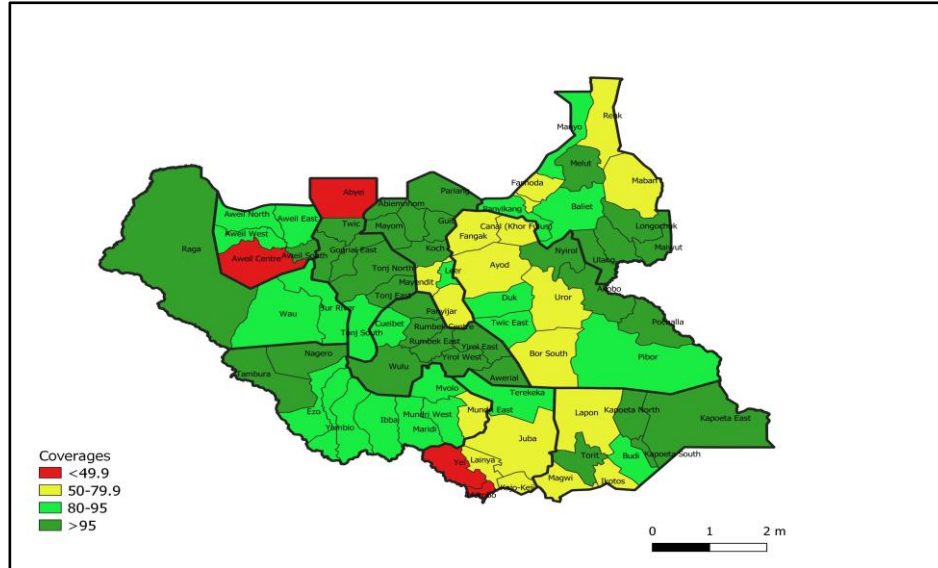
No laboratory-confirmed case has been reported in week 25

- A total of **6,447** reported suspected measles cases, **3,403 (53%)** are epi-linked, **424(7%)** lab-confirmed, **1,001(16%)** clinically compatible, and **674(10%)** discarded cases from epidemiological week 1, 2022, to **week 25, 2023**.
- A total of **198 rubella-positive** cases were among the discarded negative measles cases.
- **24 suspected** cases have been reported during week
- A total of **64 measles-related deaths** were reported since January 2022, with only **3 deaths** among the lab-confirmed measles cases. The case fatality rate (CFR) is **1.0%**.
 - No new measles-related death reported this week
- Seventeen (17) counties have confirmed Measles outbreaks in 2023
 - No newly confirmed outbreak this week

Epidemic curve of measles cases in South Sudan 2023



Map of Measles vaccination coverage by county



Admin Level	Coverage				Total
	≥ 95%	80% to 94.9%	50 to 79.9%	< 50%	
# of states	3	6	1	0	10
# of Admin area	2			1	3
# of Counties	34	24	18	4	80

Summary of result

- Measles vaccine: **2,383,771 (92%)** of target children
- Vitamin A supplemented to **1,549,014 (60%)**
- More than **1,214,564 (47%)** children screened for MUAC
- Deworming was conducted in few counties due to lack of supply and 58,274 children received Albendazole
- PIRI conducted in three states (CES, EES and WES) targeting missed and unreached children in 24 counties

Antigen	Target (Jan to March)	Children Vaccinated (0-23 months)			Coverage from the 1st quarter target*
		0-11 months	12-23 months	Total vaccinated	
BCG	41271	12508	0	12508	30.3
IPV1	41271	14685	2986	17671	35.6
IPV2	41271	7888	1389	9277	19.1
Penta3	41271	17935	3120	21055	43.5

PIRI performance for children 0 to 23 months

TD vaccine	Status of Women	Target (Jan to March)	# Vaccinated	Coverage from the 1st quarter target
TD1	Pregnant	64329	6826	10.6
	Non-Pregnant	287175	12753	4.4
TD2+	Pregnant	64329	8417	13.1
	Non-Pregnant	287175	11835	4.1



INTEGRATED MFUP CAMPAIGN- APRIL /May 2023



Measles Integrated National campaign

Data cleaning in progress, updates may be delayed... please try again later for latest information

Date

Y Q M W D
Month

Apr 2023 - ...

Apr

May

National Readiness

State Readiness

County Readiness

Measles

MUAC

Vit A

Deworming

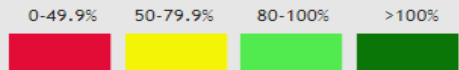
PIRI

DATA LAST REFRESH
5 June 2023 14:35:36

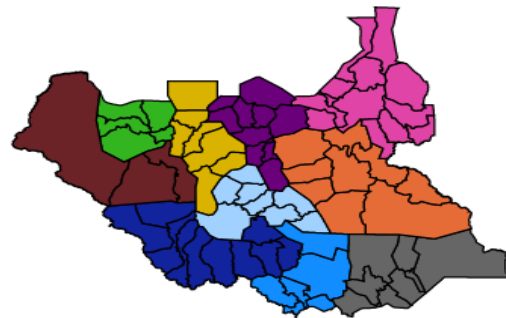
Synopsis

Children vaccinated by age and location

Reporting dates & facility feedback



Counties started National Campaign



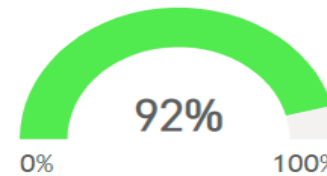
- County
- TONJ NORTH
- JUR RIVER
- AYOD
- AWEIL EAST
- RUMBEK EAST
- YEI
- NYIROL
- RUMBEK CENTRE
- BUDI
- WAU
- PANYIJAR
- TEREKEKA
- EZO
- TORIT
- TAMBURA

2,383,771

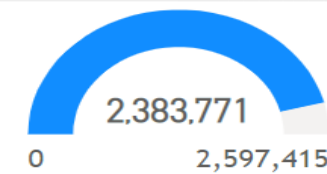
Total children 6-59 months vaccinated

80

Counties Implementing



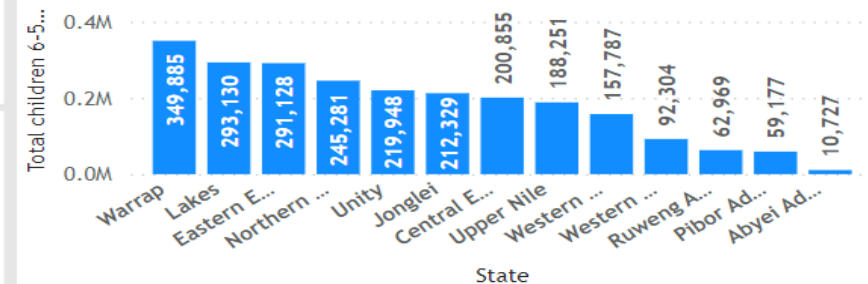
92%



2,383,771

Country	Number of facilities reporting	Total children 6-59 months vaccinated	Measles Target Population (19%)	Measles campaign coverage
South Sudan	959	2,383,771	2,597,415	92%
Warrap	70	349,885	310,262	113%
Lakes	89	293,130	263,343	111%
Eastern Equatoria	122	291,128	316,060	92%
Northern Bahr El Ghazal	75	245,281	293,884	83%
Unity	70	219,948	213,064	103%
Total	959	2,383,771	2,597,415	92%

Total children 6-59 months vaccinated by State



Home

Population, Maps, Facility Functional...

Coverage Maps

Coverage Trends

Antigens by Age

Zero Dose

Vaccine Preventable Diseases

Supplementary Immunization Activities

Partners

Cold Chain

Human Resource

Page 1



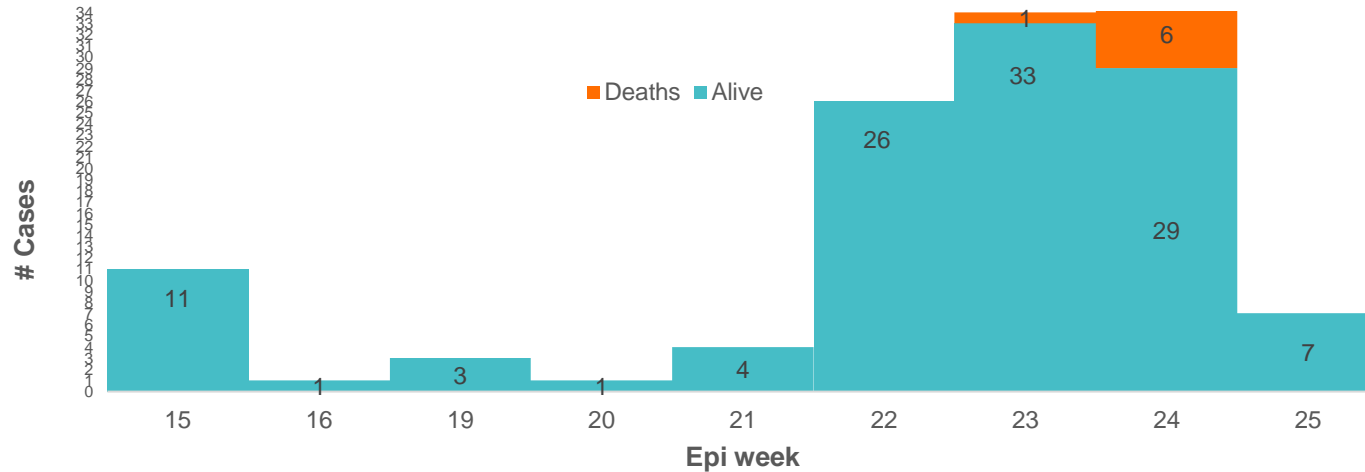
Current Priorities for Measles



- Data cleaning ongoing, PCE to determine the quality of the campaign
- Areas of low coverage planned for a Mop Up Routine Immunization (MURI)
- Refugee Situation with cases already reported from the Blue Nile (Guideline issued on Immunization)to be addressed
- Plan to conduct a Mop up in Renk, for the entire county, with age range from 6 months to 15 years for Measles and 0 to 15 years for OPV,
- Targeted Vaccination
 - NBG (Wedwil Camp), Unity (Roriak Camp)
 - Age range from 6 months to 15 years for Measles and 0 to 15 years for OPV.
- Strengthen Routine Immunization with establishment of vac points within camps and at POE
- Pentavalent vaccine
- IPV Vaccine
- COVID
- Strengthen Surveillance activities, data, etc., to understand the campaign's impact on the outbreak.
- Plan for Response where breakthrough cases occur



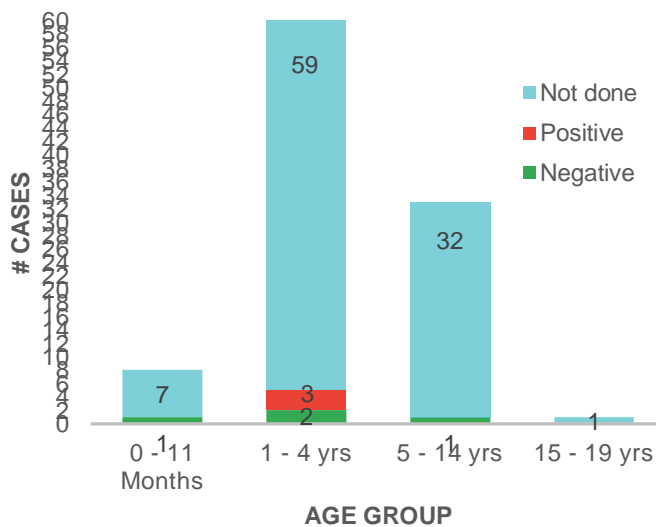
Epi curve for confirmed measles cases in Renk County as of 20th June 2023 by Epi week.



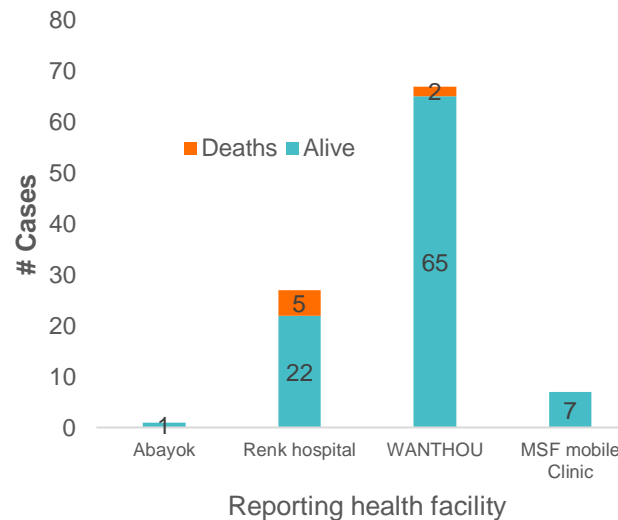
Descriptive Epi

- Measles cases were first identified in week 15 and samples were collected in weeks 20-22 after investigation by the CHD
- Outbreak confirmed in Renk County after 4 samples tested positive for measles IgM**
- A total of 122 measles cases and 7 deaths (2 from Sudan side) have been line listed since the confirmation of the measles outbreak giving a **CFR of 5.7%**
- All cases were line-listed during active case search from four health facilities serving returnees in Renk county
- All the cases reported were presented with Fever, Red eye, and Skin Rash (88%) as the main signs & symptoms, cough accounted for 76%.
- Majority of the cases were reported from Wonthou IOM clinic (67) at the point of entry, the clinic serves both returnees and the population from Halagaya camp in Joda Sudan, then Renk hospital (27) and MSF (7)
- Critical cases are referred to Renk civil hospital for inpatient hospital
- Of the of the seven deaths reported two deaths were residents of Halagaya camp in Sudan who came to seek treatment in the Wanthou IOM PoE clinic in South Sudan.
- Majority of the cases were reported from children aged 1 – 4 years as this same age group also accounts for most of the cases recorded.
- Currently 7 cases of measles in the pediatric ward and two recoveries as of 18 June 2023
- Renk County completed the integrated measles, Vit A, MUAC, and deworming campaign on 18 May with a coverage of 69% for measles for children aged 6 to 59 months
- Rise up in could be attributed to low coverage and the influx of returnees due to Sudan including cross-border movement

Confirmed measles cases in Renk County as of 16th June 2023 by Age group and vaccination status.



Confirmed measles cases in Renk County as of 16th June 2023 by reporting health facility and outcome.



Ongoing Response

- Case management in Renk Hospital is supported by CHD and Relief International however MSF is installing a new tent in the Renk Hospital to support the isolation of measles cases
- Daily active case search by WHO and CHD in health facilities
- WHO supported Case management training conducted on 13-15 June for 42 healthcare workers in Renk county
- Ongoing vaccination currently at the POE for all under-five children as a response to the Sudan crisis
- MoH /WHO and partners are planning a mop-up campaign in Renk starting on 26 June 2023



Capacity Building Activities:

- Orientation on EWARS conducted to enable M&Es and CSO to submit weekly IDSR reports and on database management;
- Orientation on Measles Line listing, Cholera line listing, Mortality line list, and Case-based reporting conducted;
- Measles, Cholera, Mortality Line lists and Case-based reporting forms shared with health partners;
- On Job training and support is ongoing to improve reporting.

Challenges:

- Poor reporting and Line Listing of Measles cases by implementing partners (cases referred before Line listed and therefore, tracing the cases become difficult);
- Limited Human resource capacity (M&E for Implementing and response partners). Some health partners do not have M&Es or Data clerks to compile the reports;
- Inadequate filing of patients' files in the hospitals makes retrieving files for the patients referred to the hospital from the clinics difficult.

Recommendations:

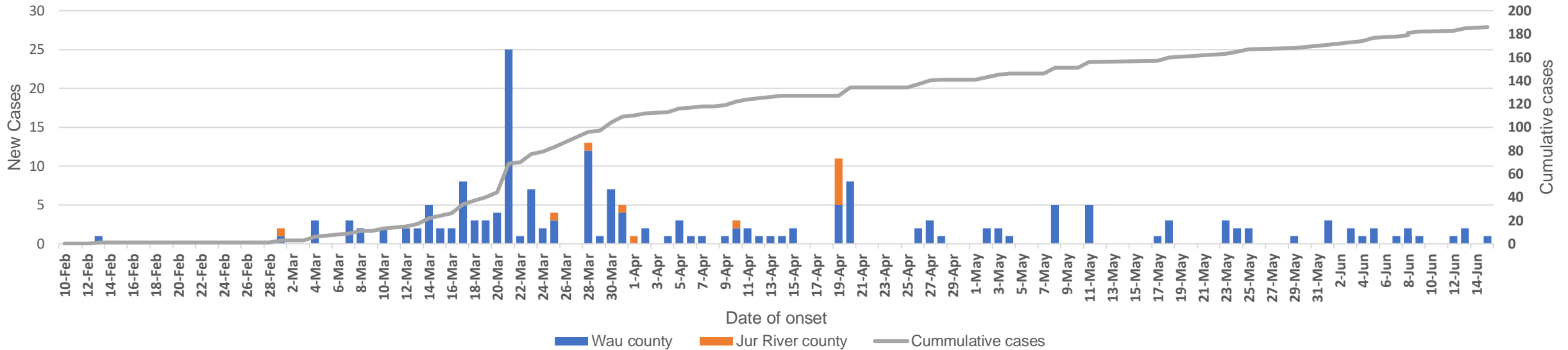
- All the health cluster team leads responding to the Sudan crisis in Renk to make sure all measles cases are Line Listed in all the health facilities they support;
- Conduct measles mop-up campaign with the inclusion of

ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

HEPATITIS E VIRUS - UPDATES

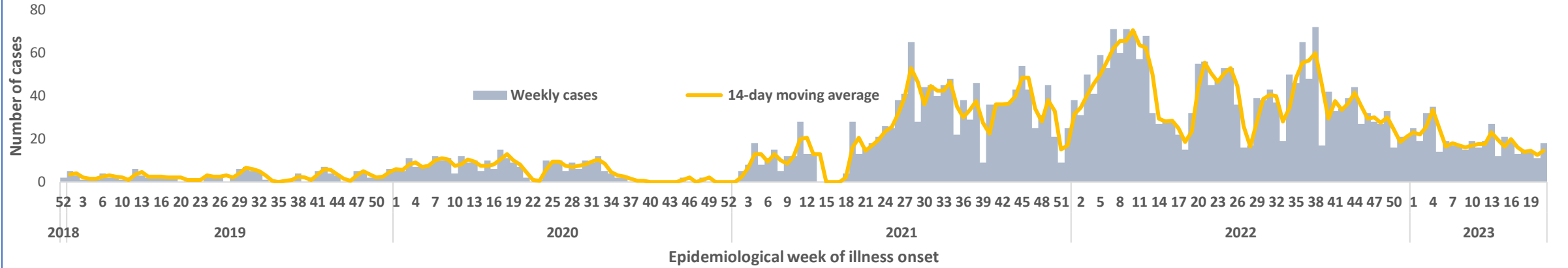


Cases of Hepatitis E in Wau and Jur river counties, 2023



- On March 22, 2023, the state Ministry of Health in 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 185 HEV Cases including (7 death) CFR of 3.8% has been since the start of the outbreak
- Ten cases were reported during the reporting week 22.
- Most cases (185, 64 %)are males. The median age is 20 (range:2-71) years. Overall,
- Overall CFR= 4.3 % versus 9.8 % in females and 2.4 % in males.

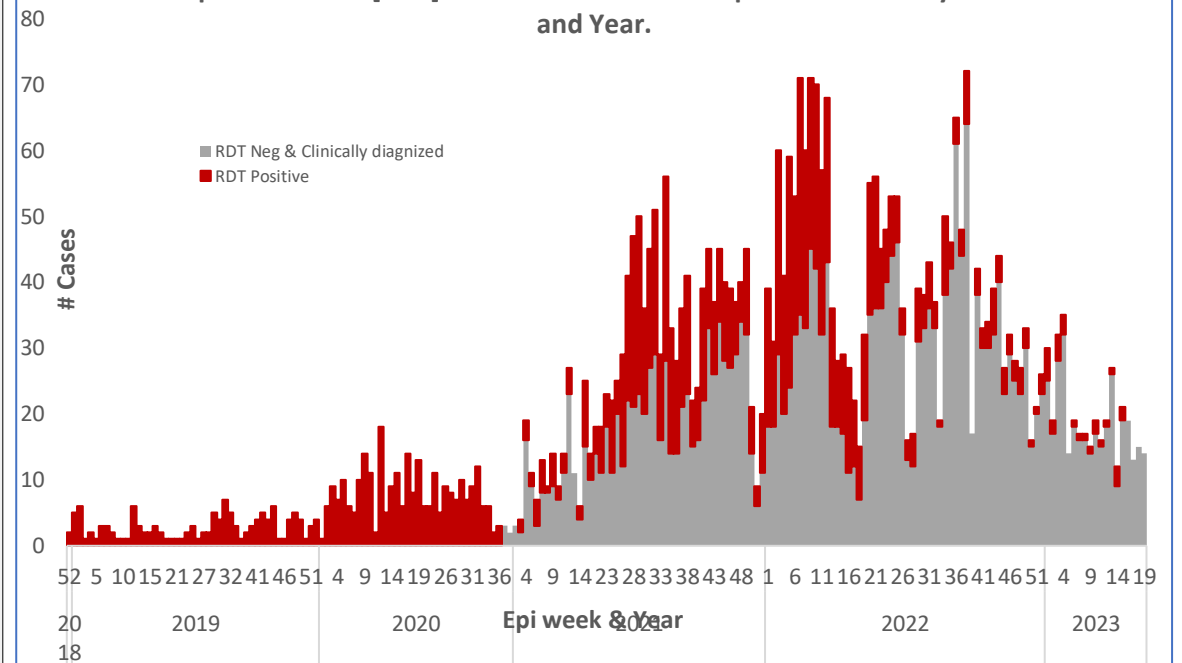
Hepatitis E Virus [HEV] cases in Bentiu IDP camp, wk 1, 2019 to wk 21, 2023



Descriptive Epi

- Cases of Acute Jaundice Syndrome (AJS) in the Bentiu IDP camp continue with an overall total of 4,165 cases since the beginning of 2019 to week 20 2023 with an overall of 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 22 and no RDT positive for HEV reported in week 22 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

Hepatitis E Virus [HEV] cases in Bentiu IDP camp 2018 to 2023 by week and Year.



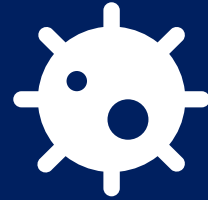
HEV response update

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 is 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





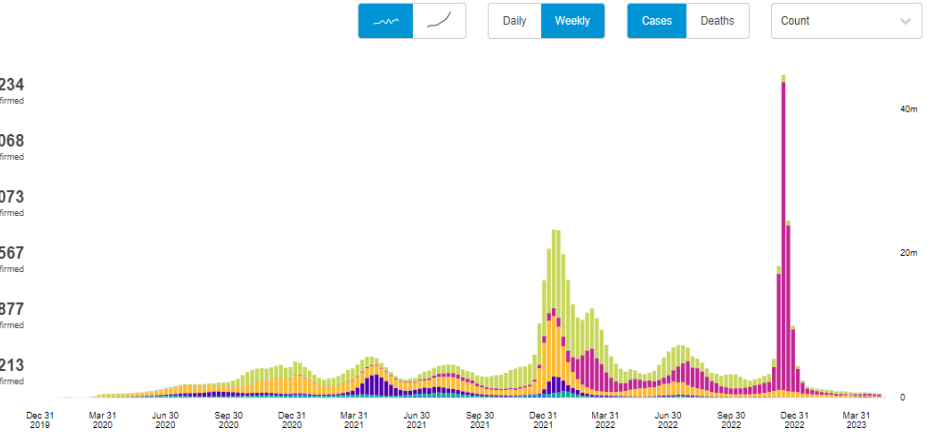
Situation update as of 14, June 2023

- Globally, as of 14 June 2023, there have been **767,984,989** confirmed cases of COVID-19, including **6,943,390** deaths, reported to WHO. As of 11 June 2023, a total of **13,397,153,690** vaccine doses have been administered.
- In Africa**, as of 31 May 2023 there have been **9,536,174** confirmed cases of COVID-19, including **175,381** deaths reported to the WHO
- In South Sudan, from **3 January 2020 to 14 June 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	276,264,234 confirmed
Western Pacific	203,414,068 confirmed
Americas	192,718,073 confirmed
South-East Asia	61,143,567 confirmed
Eastern Mediterranean	23,369,877 confirmed
Africa	9,530,213 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



Sudan Crisis Response in South Sudan Nationalities

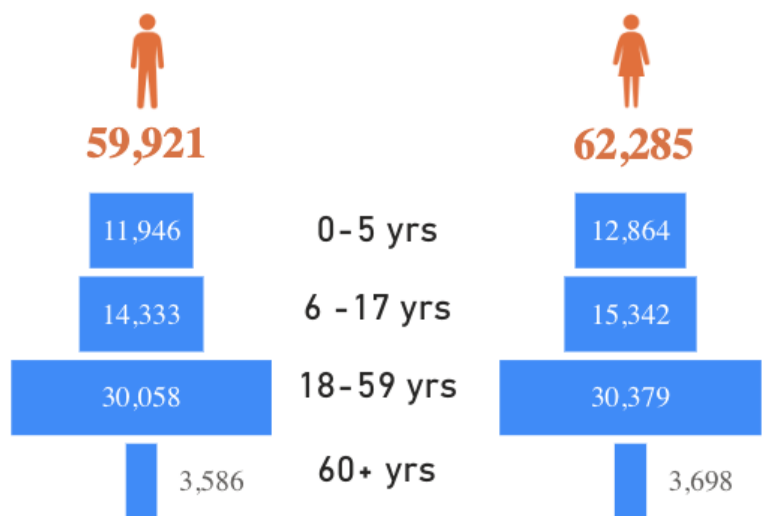


Key Figures

 **26,123** Households

 **122,206** Individuals

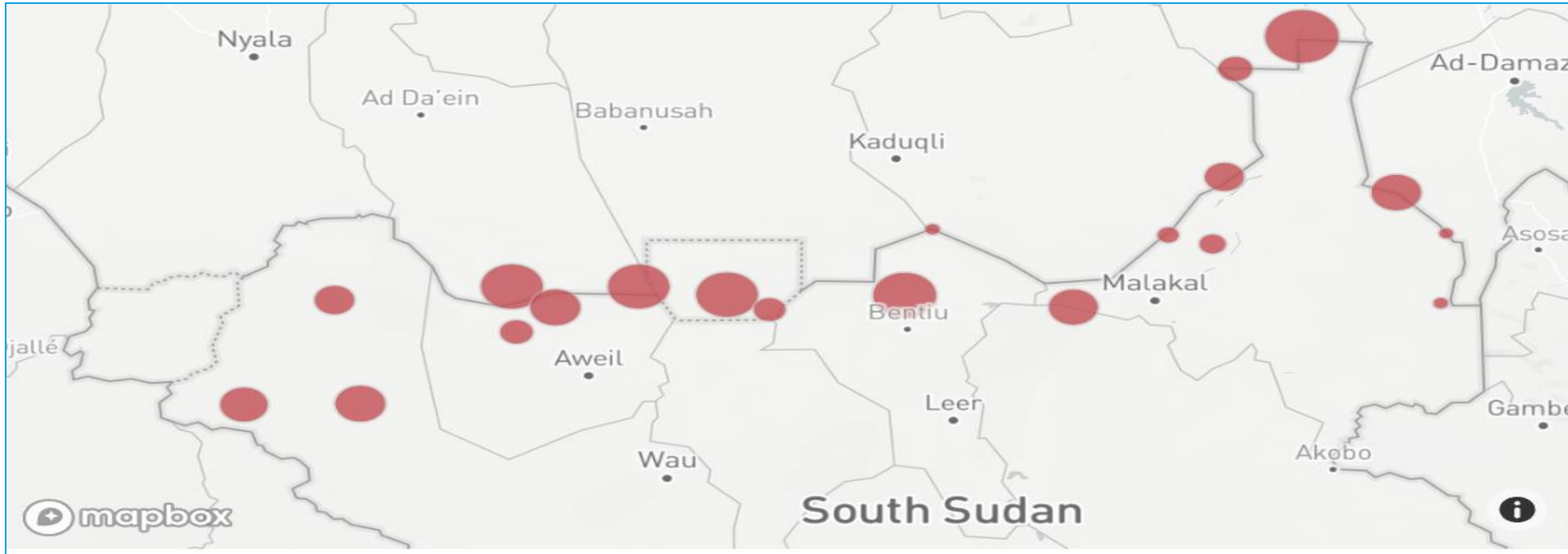
Sex and Age Breakdown



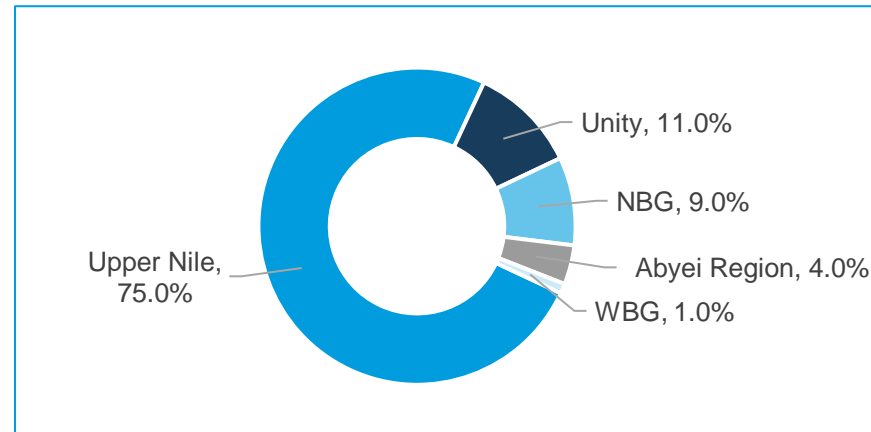
#	Nationality	No. of individuals	Percentage
1	South Sudan	112,625	92.160%
2	Sudan	5,939	4.860%
3	Eritrea	2,057	1.683%
4	Other	1,110	0.908%
5	Kenya	182	0.149%
6	Ethiopia	97	0.079%
7	Uganda	92	0.075%
8	Somalia	83	0.068%
9	Rwanda	4	0.003%
10	Tanzania	4	0.003%
11	Egypt	3	0.002%
12	DRC	3	0.002%
13	USA	2	0.002%
14	India	2	0.002%
15	Moroco	2	0.002%
16	Congo	1	0.001%
	Total	122,206	100.000%



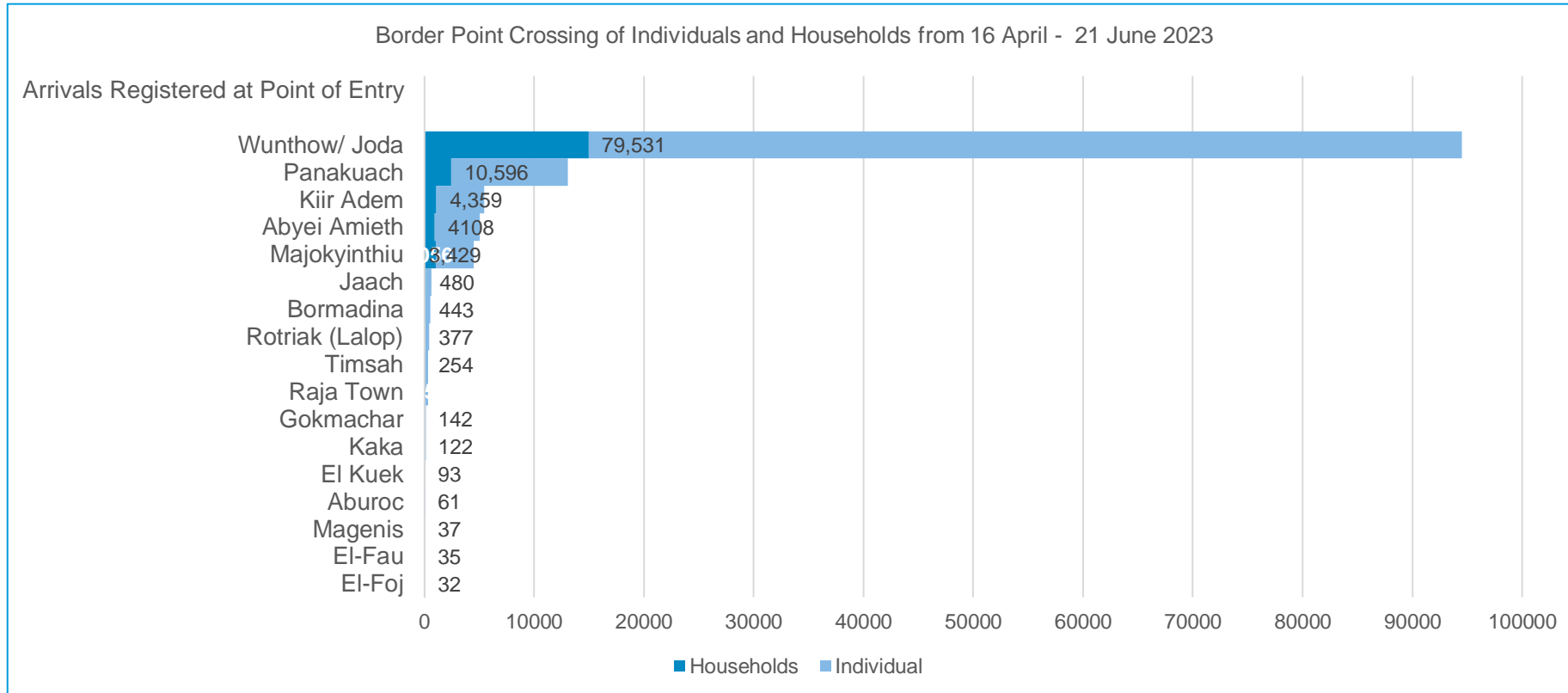
Border Points Reporting as of 21 June 2023



#	State	Household	Individual
1	Upper Nile	18,167	92,162
2	NBG	3,212	13,622
3	Unity	3,405	10,599
4	Abyei	1009	4510
5	WBG	330	1,313
Total		21,162	122,206



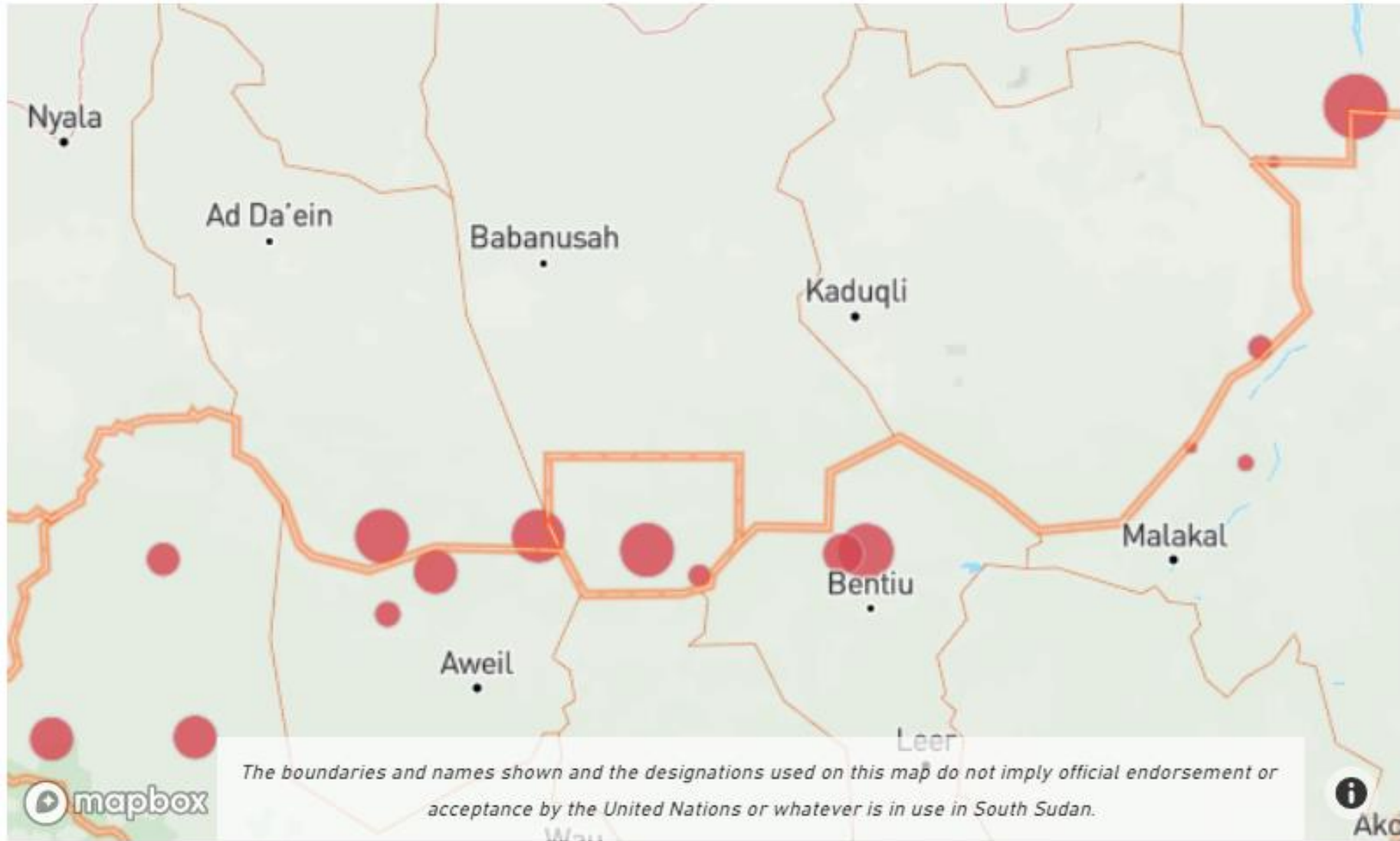
Border Points / Point of Entries



Cumulatively;

- 90,552 (74%) crossed through Joda/Renk in Upper Nile State
- 13,617 (11%) individuals through Panakuach in **Unity State**
- 5,694 (5%) individuals through Kiir Adem in Northern Bahr el Ghazal State
- 4,510(4%) individuals through Abyei Amieth, Abyei Region
- 6 % are counted through the other 16 remaining border-crossing points.

Border Points Reporting as of 14 June 2023



Key Figures



23,505 Households



112,718 Individuals

Sex and Age Breakdown



54,796 Male



57,922 Female



49% Male, 51% Female

Arrivals by Nationalities

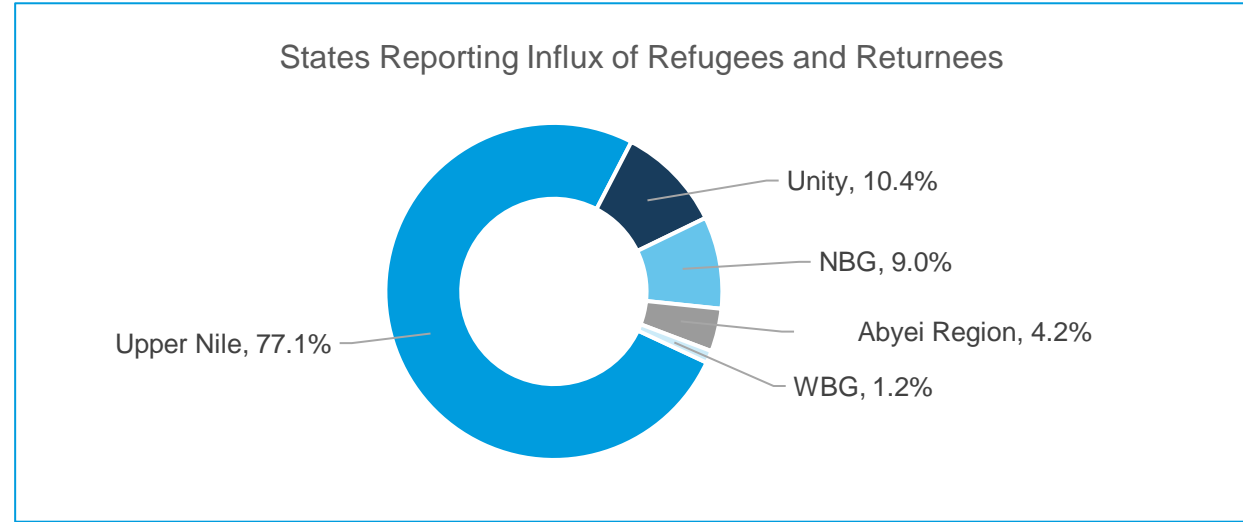
#	Nationality	No. of individuals	Percentage
1	South Sudan	104,199	92.440%
2	Sudan	4,967	4.410%
3	Eritrea	1,973	1.750%
4	Other	1,108	0.980%
5	Kenya	180	0.182%
6	Ethiopia	96	0.097%
7	Uganda	92	0.092%
8	Somalia	83	0.075%
9	Rwanda	4	0.004%
10	Tanzania	4	0.004%
10	Egypt	3	0.003%
11	DRC	3	0.003%
12	USA	2	0.002%
13	India	2	0.002%
14	Moroco	2	0.002%
Total		112,718	100.000%



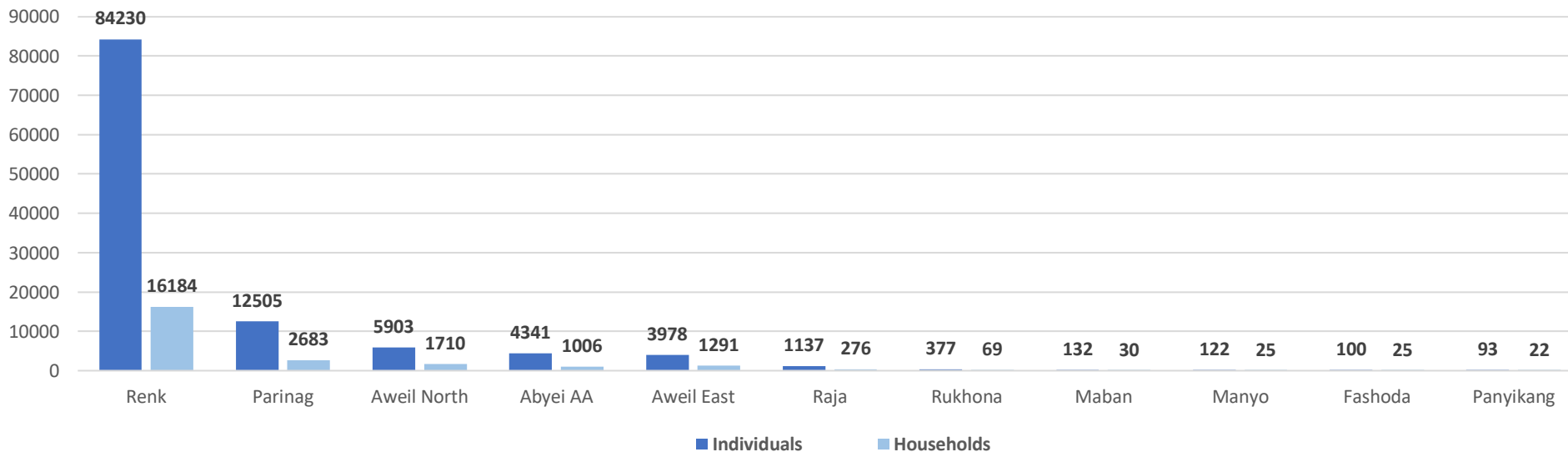
Figures and trends at States and Counties



#	State	Household	Individual
1	Upper Nile	16,286	84,677
2	NBG	3,001	9,881
3	Unity	2,936	12,682
4	Abyei	1,006	4,341
5	WBG	276	1,137
Total		23,505	112,718



Counties with influx of Individuals from 16 April – 14 June 2023





Key Interventions and ongoing activities for the Sudan Crises



- WHO/MoH is coordinating the overall emergency health cluster response through the existing structures.
- WHO/MoH deployed 4 teams to conduct the health-related rapid assessment and coordinate health emergency response in areas with high numbers 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 investigation of priority diseases under active surveillance



**OVERALL
CONCLUSIONS AND
RECOMMENDATIONS**



Conclusions

- In week 23, 2023, the IDSR reporting timeliness and completeness were 83% and 90% respectively and timeliness and completeness for EWARNS sites were at 77% and 90% respectively
- A total of 114 alerts were triggered in week 22, 2023 most of the alerts were for AWD (17), measles(29), malaria(36), and bloody diarrhea (16) alerts
- Integrated Measles follow Up campaign has been concluded in all 80 counties with a coverage of 92% for children aged 6 to 59 months in April and May 2023
- Measles outbreak in Renk County, as four out of the seven samples tested positive for measles IgM in between weeks 20-22
- As of June 20, 2023, a total of 122,580 individuals and 26,191 households have arrived to South Sudan through 15 PoEs with a majority (90%) entering through Joda to Renk

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 HEV response strategy in the Bentiu IDP camp in Wau County and advocate for the depopulation of the camp

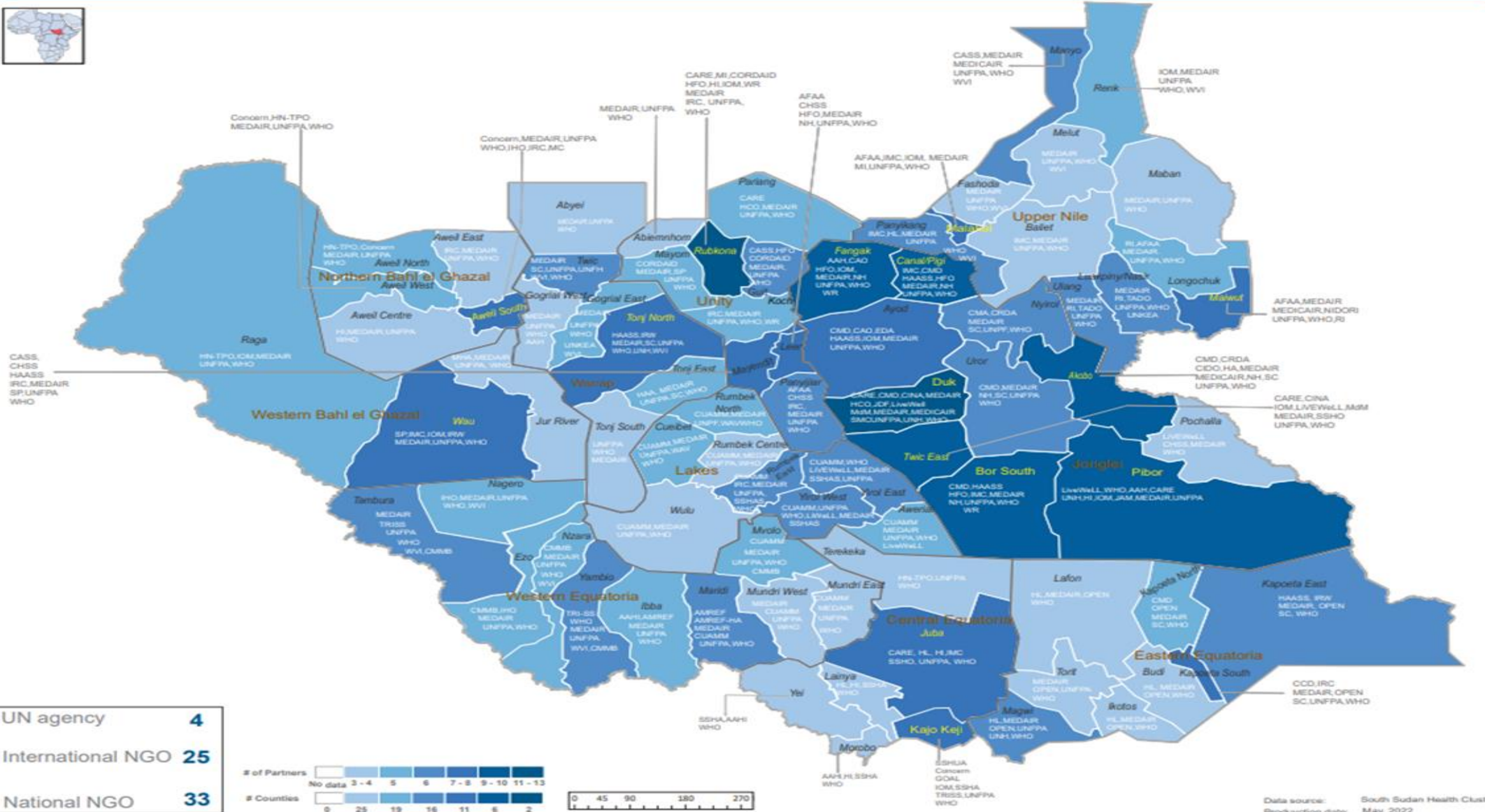


IDSR timeliness & completeness performance at county level for week 24 and 23 of 2023 (2)



STATE	COUNTY	Number of reporting sites	No. of HFs Reported on Time in WK 24	Timeliness Percentage of WK 24	No. of HFs Reported regardless of time in WK 24	Completeness Percentage of WK 24	No. of HFs Reported regardless of time in Wk 23	Completeness Percentage of WK 23	STATE	COUNTY	Number of reporting sites	No. of HFs Reported on Time in WK 24	Timeliness Percentage of WK 24	No. of HFs Reported regardless of time in WK 24	Completeness Percentage of WK 24	No. of HFs Reported regardless of time in WK 23	Completeness Percentage of WK 23
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	Twic	28	27	96%	27	96%	22	79%
Jonglei	Duk	13	13	100%	13	100%	13	100%	Warrap	Tonj South	12	11	92%	12	100%	12	100%
EES	Magwi	17	16	94%	17	100%	17	100%	Warrap	Gogrial West	31	28	90%	30	97%	26	84%
Jonglei	Ayod	13	12	92%	12	92%	13	100%	Upper Nile	Maban	19	16	84%	19	100%	18	95%
Jonglei	Fangak	21	17	81%	17	81%	17	81%	Warrap	Gogrial East	15	12	80%	13	87%	11	73%
EES	Ikotos	19	15	79%	17	89%	13	68%	Upper Nile	Akoka	5	4	80%	4	80%	5	100%
Jonglei	Uror	8	6	75%	6	75%	6	75%	Upper Nile	Fashoda	9	7	78%	7	78%	7	78%
Jonglei	Akobo	15	11	73%	11	73%	11	73%	Upper Nile	Renk	11	8	73%	11	100%	9	82%
EES	Lopa Lafon	15	10	67%	11	73%	12	80%	Upper Nile	Ulang	9	6	67%	8	89%	9	100%
EES	Torit	11	7	64%	11	100%	11	100%	Upper Nile	Baliet	5	3	60%	5	100%	5	100%
Jonglei	Canal Pigi	14	8	57%	8	57%	6	43%	Upper Nile	Maiwut	10	5	50%	10	100%	9	90%
EES	Kapoeta South	9	5	56%	9	100%	9	100%	Warrap	Abyei	14	7	50%	10	71%	12	86%
Jonglei	Nyirrol	2	1	50%	1	50%	1	50%	Upper Nile	Luakpiny Nasir	10	5	50%	10	100%	9	90%
EES	Kapoeta East	7	3	43%	6	86%	7	100%	Upper Nile	Panyikang	2	1	50%	1	50%	2	100%
EES	Budi	17	0	0%	16	94%	8	47%	Upper Nile	Manyo	15	4	27%	12	80%	8	53%
EES	Kapoeta North	10	0	0%	7	70%	9	90%	Upper Nile	Makal	9	2	22%	6	67%	4	44%
Jonglei	Twic East	9	0	0%	0	0%	0	0%	Upper Nile	Longechuk	9	1	11%	9	100%	9	100%
									Upper Nile	Melut	6	0	0%	0	0%	0	0%

South Sudan Health Cluster HRP Partners 2022



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

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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>

