



South Sudan Ministry of Health

Integrated Disease surveillance
and response (IDSR)



World Health
Organization
South Sudan

Epidemiological Bulletin Week 39, 2023 (25– 01 October)

Major epidemiological highlights in week 39 of 2023

- In week 39, 2023, the IDSR reporting timeliness and completeness were at **84%** and **87%** respectively, while EWARN sites were at **76%** timeliness and **86%** Completeness
- Percentage of reporting for IDSR at private Health facilities in week39 stands at 77%
- A total of 183 alerts were triggered in **week 39, 2023**, and most of the alerts were for measles 18% (32/183), malaria, 13% (23/183), AWD 24% (43/183) ABD 14%(25/183) and ARI 11%(20/183)
- The national ministry of Health declared Hepatitis E Virus outbreak in Old Fangak, Jonglei State and Greater Pibor Administrative Area on 26th September 2023 after 3 out of 13 samples tested positives HEV where 63 cases with 12 deaths CFR 19% have been reported.
- Measles scale-up response (reactive/mop-up campaigns) plan to be conducted in an additional 22 prioritized counties as of July 2023
- As of 26 September 2023, South Sudan received 283,211 individuals (66 000 households) who have entered South Sudan since 16 April 2023 with 213 878 total returnees in Renk.



Timeliness of IDSR health facility reporting for week 39 & 38 by admin area

Admin area	# of implementing partners	# of reporting health facilities	% of Timeliness in week 39	% of Timeliness in week 38
WES	6	183	100%	89%
RAA	1	16	100%	44%
Lakes	4	112	96%	97%
CES	12	129	97%	98%
NBGZ	5	89	91%	93%
Unity	12	88	89%	85%
WBGZ	6	83	87%	90%
EES	6	107	86%	85%
Jonglei	16	110	76%	88%
Warrap	9	113	74%	66%
GPAA	2	15	53%	53%
Upper Nile	14	135	51%	46%
AAA	2	17	6%	35%
National	95	1197	84%	82%

Reporting timeliness at health facility level is Monday 10:00am of every week



Timeliness of IDSR health facility reporting for week 39 & 38 by admin area

Admin area	# of implementing partners	# of reporting health facilities	% of Completeness in week 39	% of Completeness in week 38
RAA	1	16	100%	100%
WES	6	183	100%	100%
Lakes	4	112	99%	99%
NBGZ	5	89	96%	99%
CES	12	129	98%	98%
EES	6	107	91%	88%
Unity	12	88	89%	86%
WBGZ	6	83	87%	90%
Jonglei	16	110	78%	88%
Warrap	9	113	76%	73%
Upper Nile	14	135	66%	70%
GPAA	2	15	53%	53%
AAA	2	17	6%	35%
National	89	1197	87%	88%



Timeliness of IDSR mobile sites reporting for week 39 & 38

Admin area	# of Reporting Mobile Sites	% of Timeliness in week 39	% of Timeliness in week 38
SP	4	100%	100%
TRI-SS	2	100%	100%
SCI	2	100%	100%
SMC	1	100%	100%
SSHCO	1	100%	100%
IMC	4	75%	75%
HFO	5	60%	0%
WVI	1	0%	60%
IOM	1	0%	0%
TOTAL	21	76%	78%

Reporting timeliness at health facility level is Monday 10:00am of every week



Timeliness of IDSR mobile sites reporting for week 39 & 38

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TRI-SS	2	100%	100%
SCI	2	100%	100%
SMC	1	100%	100%
SSHCO	1	100%	100%
IMC	4	100%	100%
HFO	5	80%	100%
WVI	1	0%	100%
IOM	1	0%	0%
TOTAL	21	86%	90%

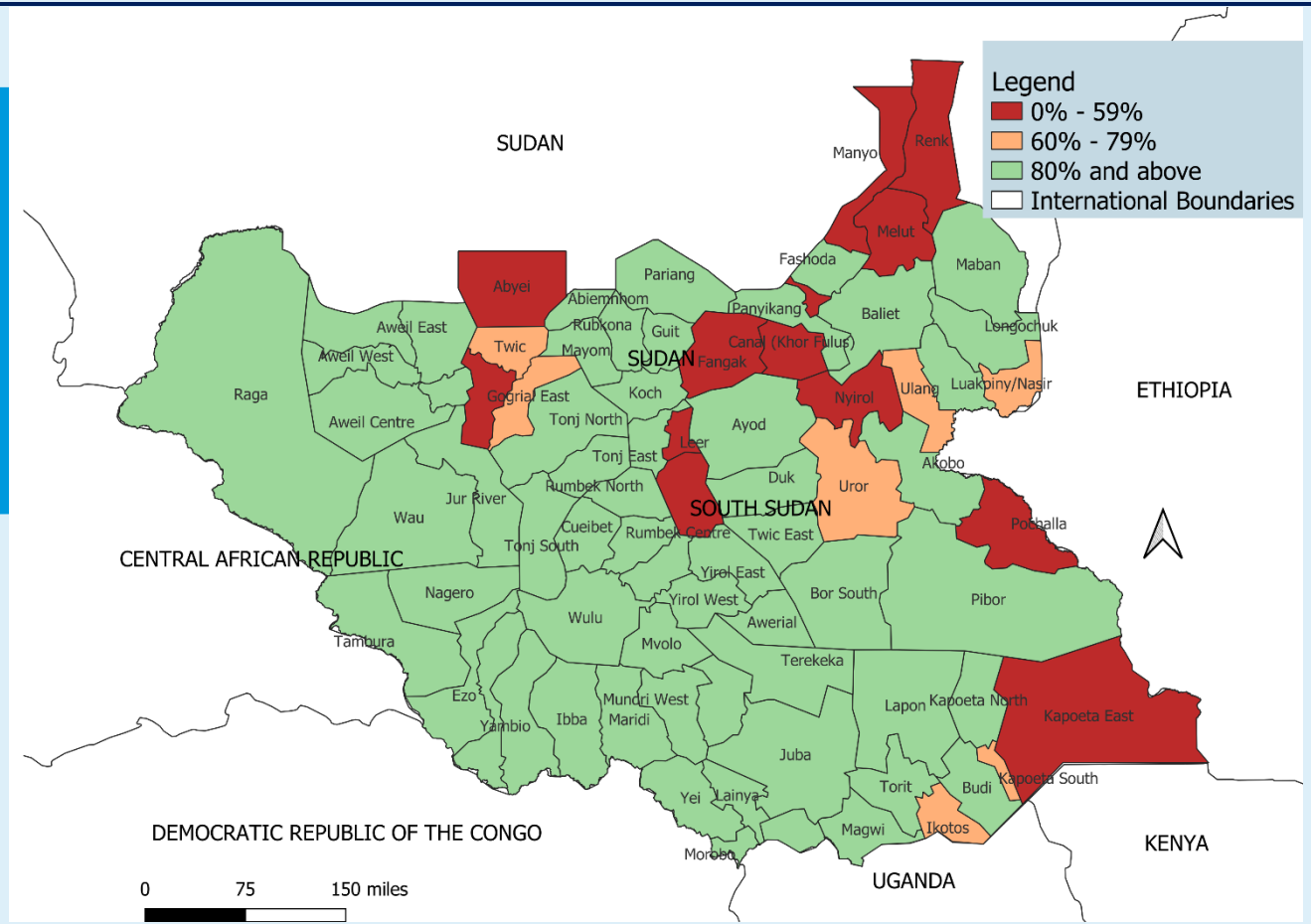


Percentage of IDSR Private Facilities reporting for week 39

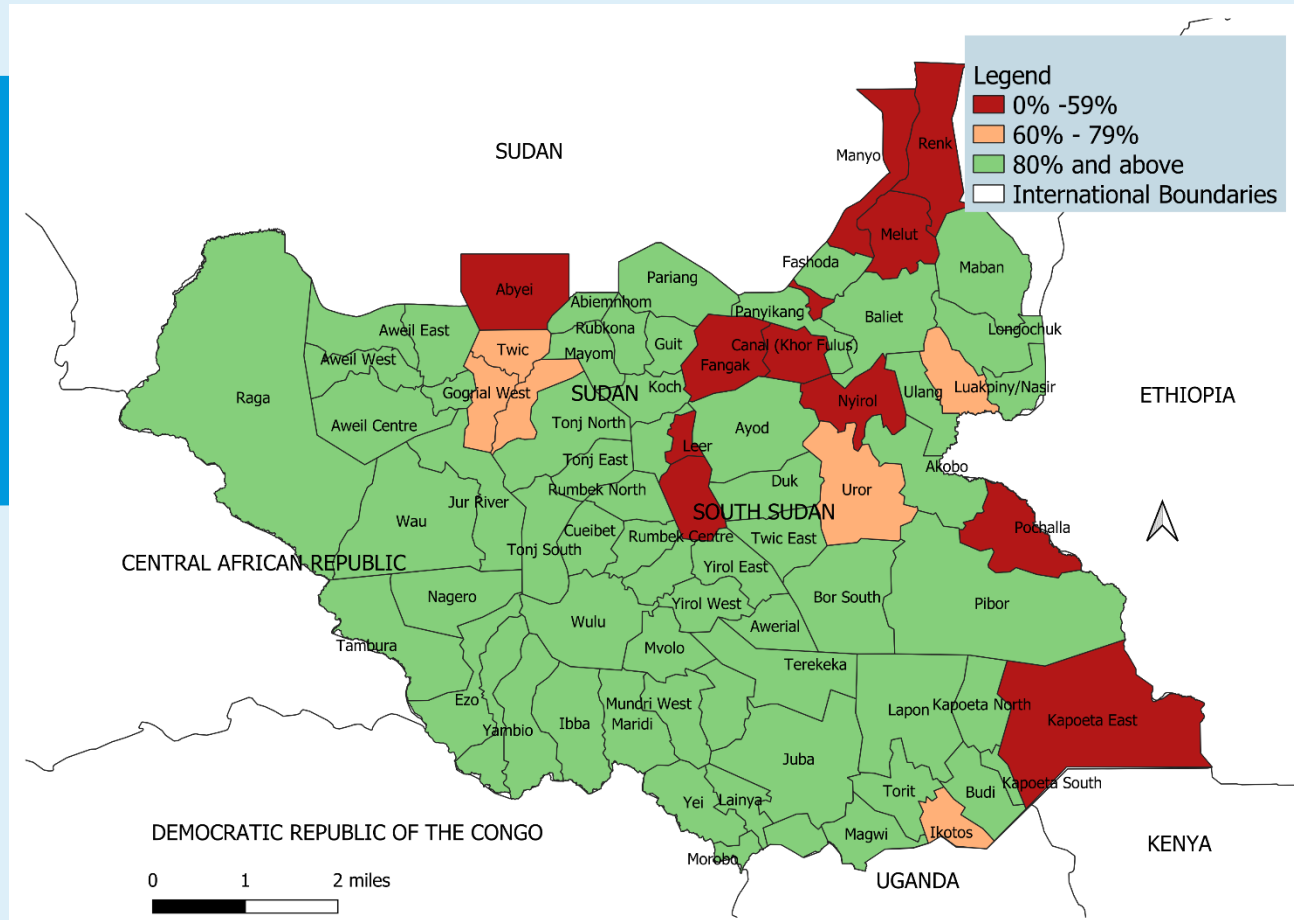
Payams	# of reporting private health facilities	Percentage of Completeness in week 39
Rajaf	3	100%
Northern Bari	1	100%
Kator	3	100%
Muniki	14	71%
Juba	10	70%
TOTAL	31	77%



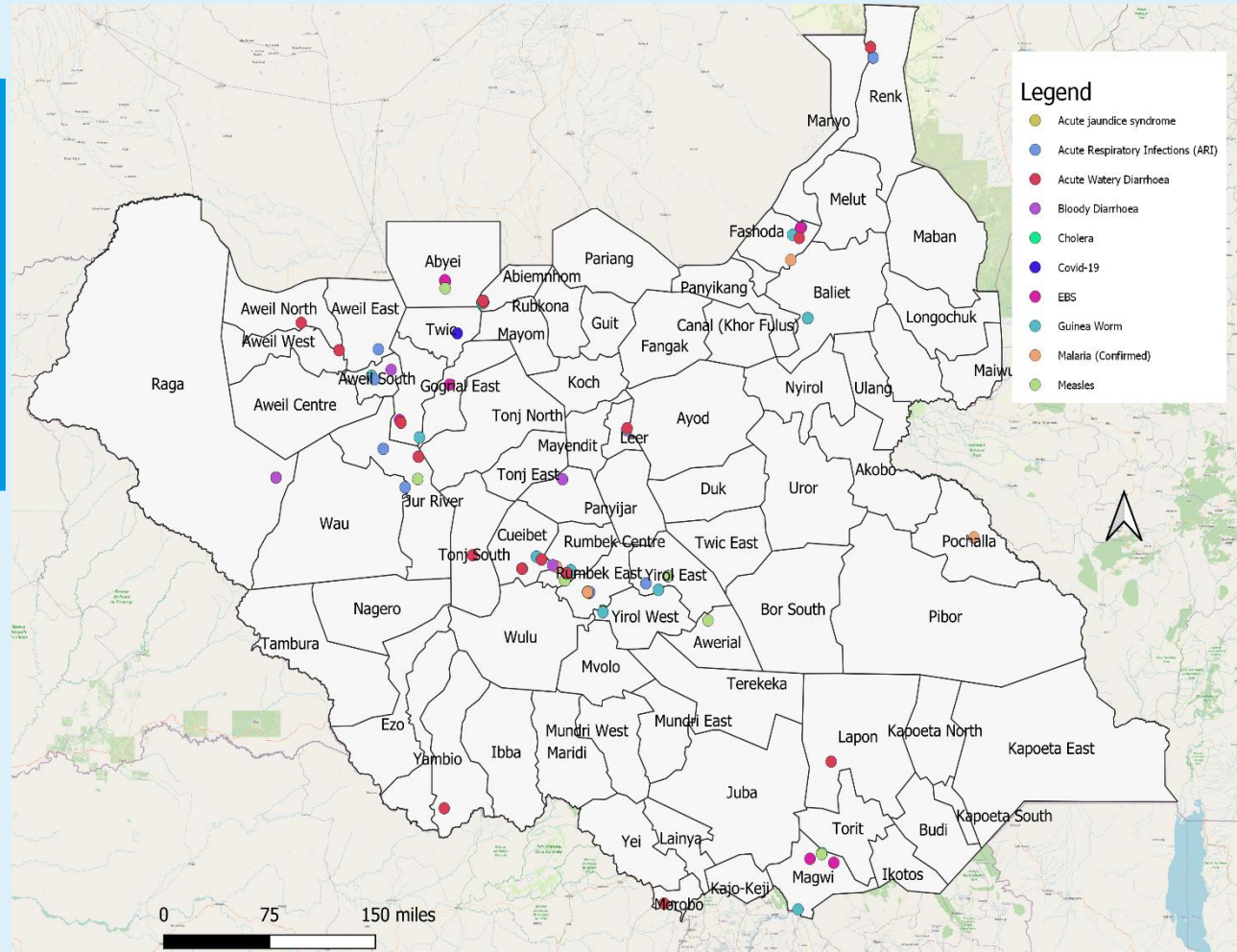
Timeliness of IDSR reporting for week 39 by county



Completeness of IDSR reporting for week 39 by county



Alerts Distribution by County in week 39, 2023



Alert reported and verified by state for week 39

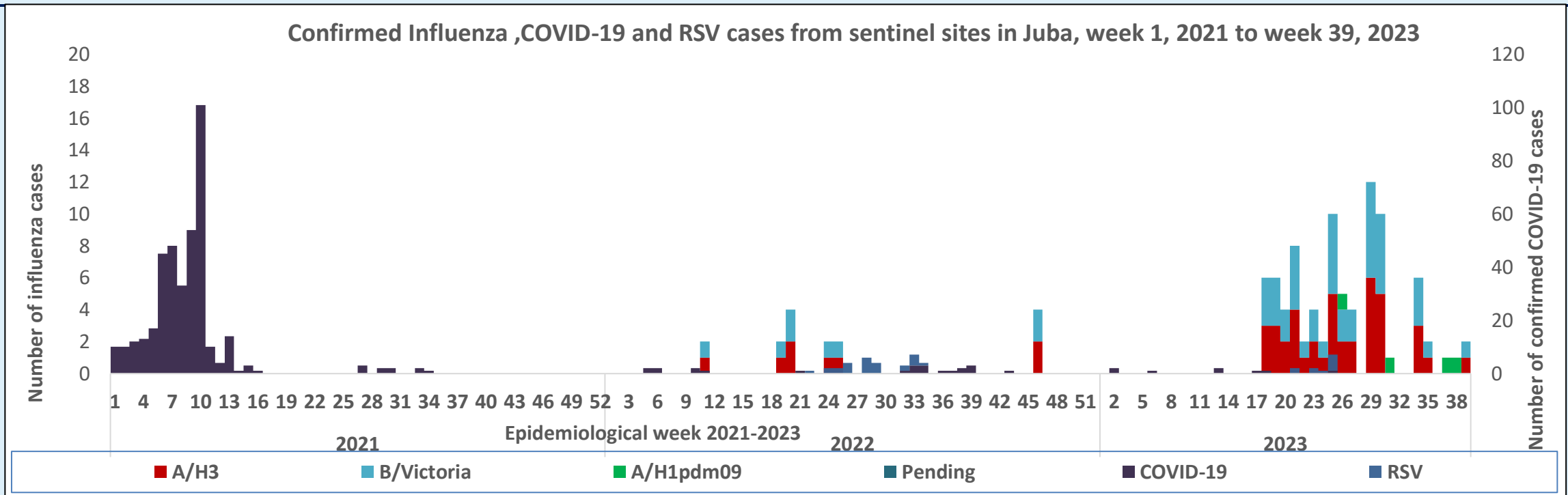
Admin area	Acute Jaundice Syndrome		Acute Respiratory Infection		Acute Watery Diarrhea		Acute Bloody Diarrhea		EBS		Malaria (confirmed)		Measles		COVID-19		Cholera		Guinea Worm		Total	
	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified	# reported	# verified
CES	1	0	2	0	4	0	0	0	0	0	1	0	5	0	0	0	1	0	0	0	14	0
EES	0	0	0	0	11	10	4	3	0	0	3	0	2	1	0	0	0	0	0	0	20	14
Jonglei	0	0	2	0	2	1	1	0	0	0	3	1	2	1	0	0	0	0	1	0	11	3
Lakes	0	0	6	2	5	1	4	1	5	5	2	1	4	1	1	1	0	0	15	1	42	13
NBGZ	0	0	1	1	0	0	4	4	0	0	0	0	3	3	0	0	0	0	0	0	8	8
RAA	0	0	0	0	2	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0	7	0
Unity	3	0	2	0	5	0	2	0	0	0	3	0	6	0	0	0	0	0	1	0	22	0
Upper Nile	0	0	2	0	2	0	4	0	0	0	2	0	3	0	0	0	0	0	0	0	13	0
Warrap	0	0	3	2	2	0	0	0	1	1	0	0	4	4	0	0	0	0	0	0	10	7
WBGZ	0	0	0	0	4	0	0	0	4	0	3	0	2	0	0	0	1	0	1	0	15	0
WES	0	0	2	2	6	6	6	5	0	0	6	5	0	0	0	0	1	1	0	0	21	19
National	4	0	20	7	43	18	25	13	14	6	23	7	32	10	1	1	3	1	18	1	183	64

Only 35% (64/183) of the alerts generated during the week were verified in the EWARS

Routine Sentinel Surveillance Updates as of Week39 2023



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 1-39 2023, a total of 672 ILI/SARI were collected all 603 tested negative,**7** positives for Covid-19, **(38)**Influenza types A (H3), **(6)** B (Victoria), **(4)** for A/H1pdm09 and **13** for RSV in weeks 39,2023



Updates on Meiwun Alert

- On 20 September 2023, WHO was notified of a suspected outbreak that has so far claimed 17 lives in a period of three weeks.
- Fifteen (15) of the reported fatalities occurred in children under five years of age and two adults.
- This report was conveyed by Meiwun Payam, Administrator, (MSF and Forafrika) and the local authority.
- Symptoms: reported patients presented with generalized skin rash, jaundice, fever, and flu.
- Sample collection for further investigation has been recommended
- Access challenges: Meiwun is only accessible by road or helicopter. It is estimated to be a two (2) day walk from Boma



Update

- WHO chartered a flight to facilitate the deployment of a multisectoral national rapid response team to Meiwun on 4th October to conduct in depth investigation and provide lifesaving treatment to patients.
- Two(2) out of the initial six (6) samples dispatched at the NPHL tested positive for measles, all the samples tested negative for Rubella and Hepatitis E.
- WHO has provided 3 investigation kits and 15 emergency health kits for the treatment of Malaria, measles, pneumonia, malnutrition, and other common illnesses.
- The national RRT has provided orientation and training of health care workers on case management of common illnesses, sample collection and packaging.
- The MOH and MOH coordinated the deployment of a 10-member team consisting of CHD and health partner (For Africa) to Mewun on foot. The team will continue providing health services once the national RRT departs.
- The team deployed by MSF Belgium continue to support the response through provision of essential health services , RCCE and conducting vaccination for children against measles, 400 children were vaccinated.
- The national RRT will return to Juba on 10th Oct leaving behind the teams from CHD, For Africa and MSF Belgium to continue the provision of essential health services including vaccination against measles and other vaccine preventable diseases.

WHO will provide additional medical supply to the partners on the ground to continue the provision of health services

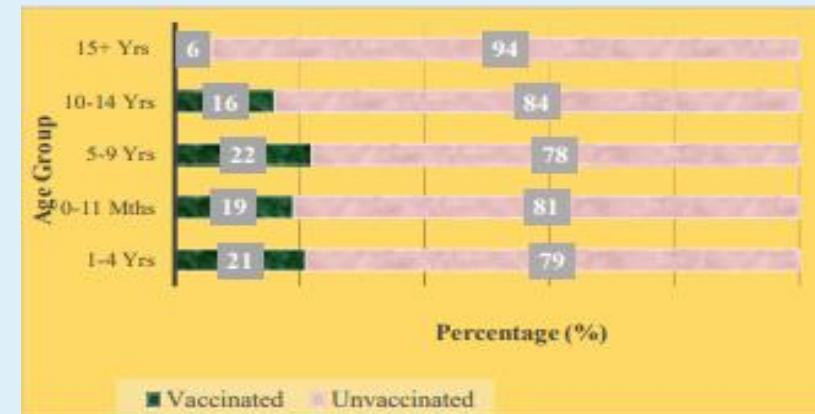
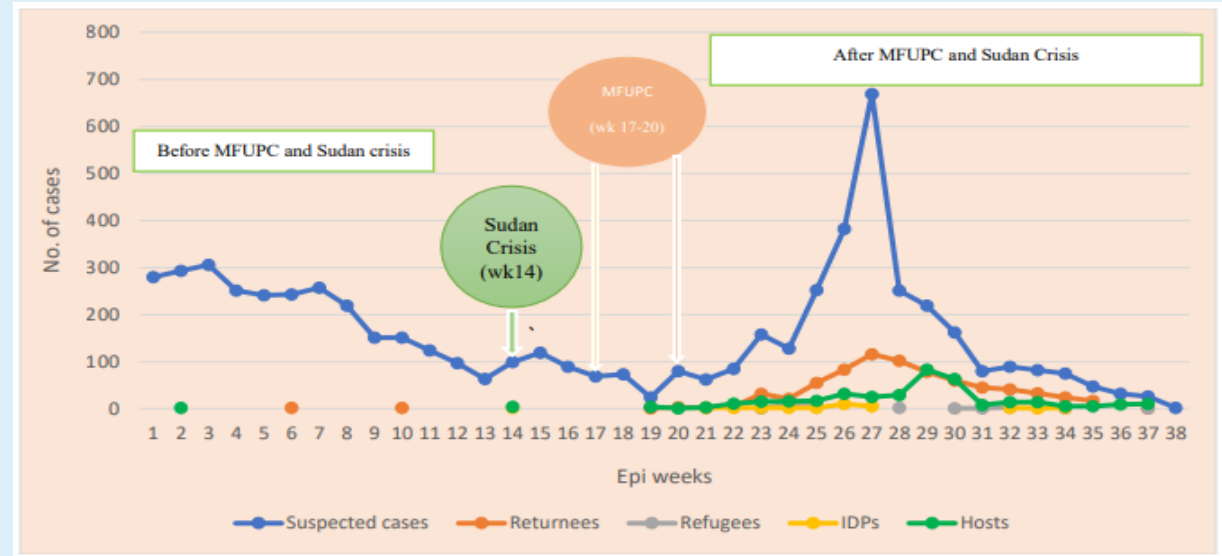


Measles update



Measles outbreak situation update

- In 2023, A total of 6,030 with 145 related deaths have been reported with a CFR of 2.4%
- More than 66% of cases are in children less than 5 years of age with 75% of all related deaths
- Eighty-nine (89) additional suspected cases have been reported this week from Renk (71), Kapoeta South(3), Ikotos (1), Magwi (1), Abiemnhom (3), Maridi (1), Tonj South (6), Lainya (1) and Kajo-Keji(1)
- A total of 10 lab-confirmed, 8 discarded, 5 epi-linked, and 66 clinically compatible cases.
- No newly confirmed measles outbreak this week
- Despite observing a downward trend in the suspected measles cases for the last four epi-weeks, there is a need to continue with active surveillance including sample collection from suspect cases



Vaccination Response

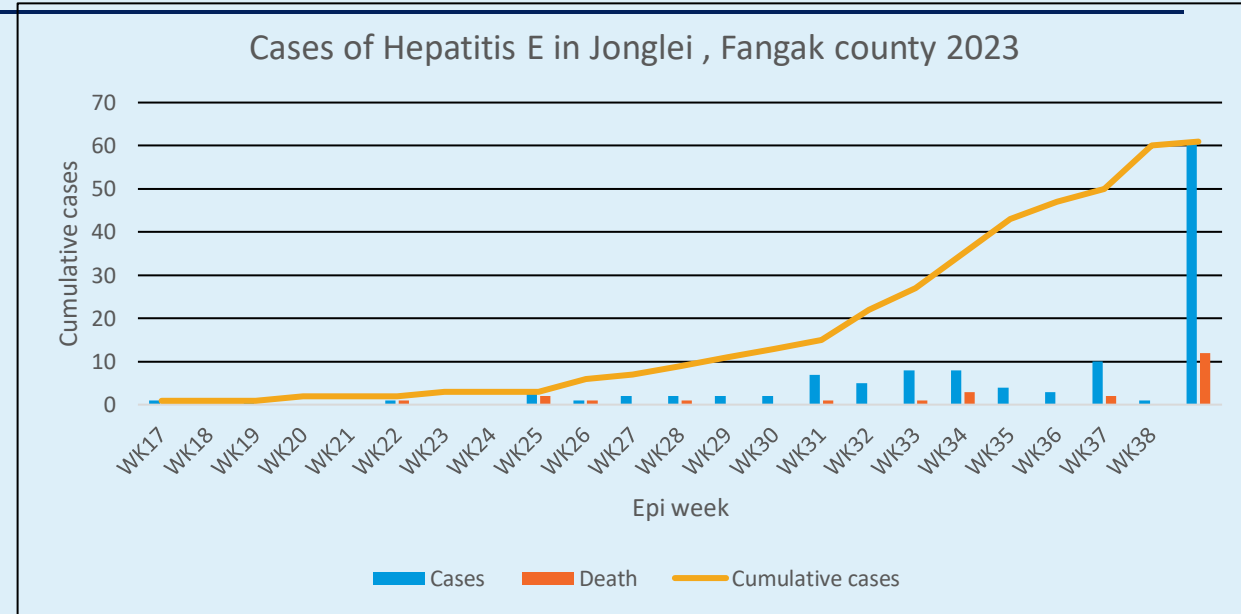
Summary Result of Measles Reactive/Mop up campaign by County

State	County	# of Payams Implementing	Implementing partner	Target Age group for Measles	Target Population	Host	Returnee/Refugee	Total Children Vaccinated	Coverage	Status
						Total Host Vaccinated	Total Returnee Vaccinated			
Unity	Rubkona	11	WHO/MSF	6 mnth - 15 Years	158,970	80,862	15,141	96,003	60%	Complete
Unity	Leer	9	HFO	6 - 59 months	22,515	10,637	3,186	13,823	61%	Complete
Abyei AA	Abeyi	5	Save the Children	6 - 59 months	22,761	19,276	2,242	21,518	95%	Complete
Central Equatoria	Juba	6	WHO	6 mnth - 15 Years	96,015	75,756	22,312	98,068	102%	Complete
Warrap	Gogrial West	9	IHO	6 - 59 months	81,376	53,694	462	54,156	67%	ongoing
Warrap	Twic	7	WHO	6 - 59 months	66,070	22,795	601	23,396	35%	ongoing
Jonglei	Ayod	9	MEDAIR	6 - 59 months	42,997	10,136	-	10,136	24%	ongoing
Upper Nile	Malakal	4	MSF-Spain	6 mnth - 15 Years	29,291	25,654	3,328	28,982	99%	Complete
Upper Nile	Melut	3	WHO	6 mnth - 15 Years	30,470	31,177	652	31,829	104%	Complete
Upper Nile	Longechuk	8	WHO	6 mnth - 15 Years	50,289	27,600	6,342	33,942	67%	ongoing
Lakes	Awerial	7	WHO	6 - 59 months	33,410	-	-	-	0%	Not started
Lakes	Yirol East	7	WHO	6 - 59 months	28,049	-	-	-	0%	Not started
Upper Nile	Maban	9	WHO	6 mnth - 15 Years	138,424	-	-	-	0%	Not started
Upper Nile	Maiwut	7	WHO	6 mnth - 15 Years	55,905	-	-	-	0%	Not started
Jonglei	Fangak	6	HFO	6 - 59 months	29,585	-	-	-	0%	Not started
Total South Sudan	15	107			886,127	357,587	54,266	411,853	46%	

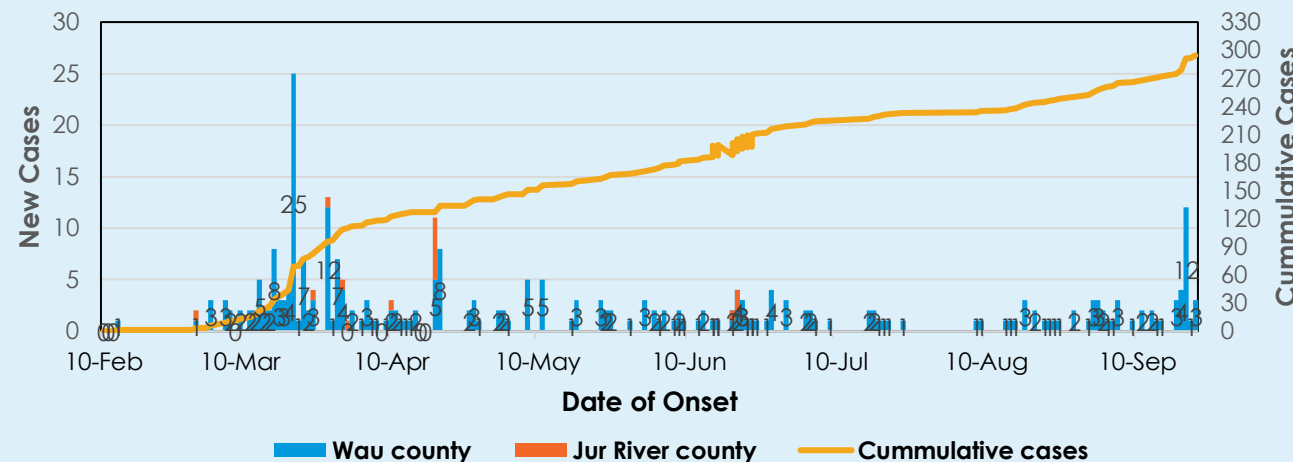


Hepatitis E outbreak updates

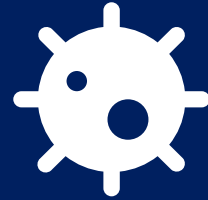
- Cases of suspected Hepatitis E have been reported in Fangak from week 17, 2023
- The NPHL received 13 samples suspecting hepatitis E of which 3 samples tested positive by PCR giving a positivity rate of 23.1%
- Since 18th Sept., a total of 63 Hep. E suspected cases and 12 deaths were reported with a CFR of 19%
- MSF is conducting case management and WHO supported MSF with More than 500 RDT for case detection
- Pans are underway to deploy a multisectoral and disciplinary RRT
- Ongoing Hep. E transmission in Wau and Pibor where MoH and WHO will conduct further verification



Cases Hepatitis E in Wau and Jur river counties, 2023



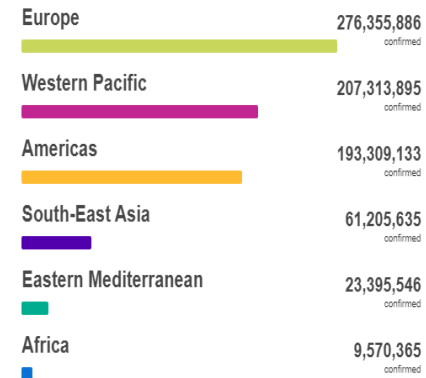
COVID-19 UPDATES



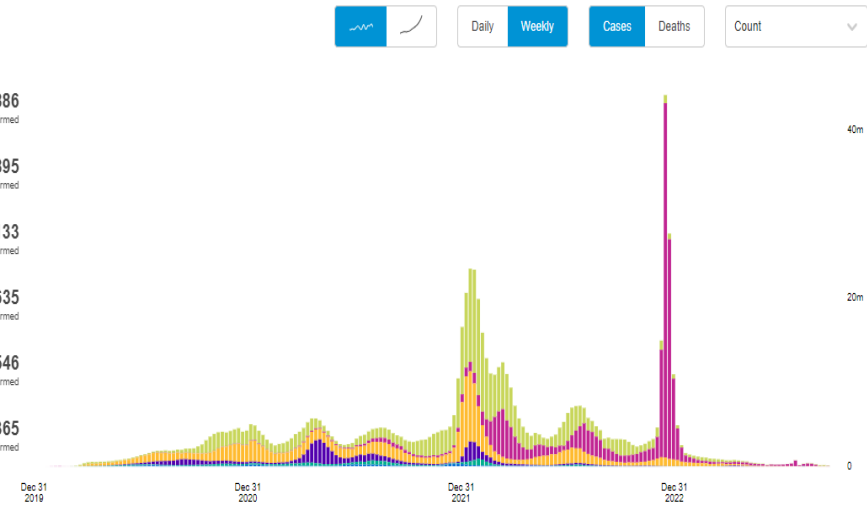
Situation update as of 4 October 2023

- Globally, as of 4 October 2023, there have been 771,151,224 confirmed cases of COVID-19, including 6,960,783 deaths, reported to WHO. As of 27 September 2023, a total of 13,513,017,637 vaccine doses have been administered.**
- In Africa, as of 4 October 2023 there have been 9,570,365 confirmed cases of COVID-19, including 175,435 deaths reported to the WHO**
- In South Sudan, from 3 January 2020 to 4 October 2023, there have been 18,368 confirmed cases of COVID-19 with 138 deaths, reported to WHO. As of 17 September 2023, a total of 4,337,580 vaccine doses have been administered.**

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>

Sudan crises update



Situation update on Sudan Crises as of 26. September 2023



66,922 Households



287,351 Individuals



18 Nationalities



141,852

0-5 yrs

6-17 yrs

18-59 yrs

60+ yrs

27,911

41,566

67,103

5,270

Points of entry

- Movement for 287,351 individuals has been tracked from 22 PoEs, 233,236 in Joda-Renk alone, and 137,925 people have been moved.
- The government has assisted the movement of 27% of individuals, humanitarian agencies assisted 52% move, 20% self-organized their movements, 0.5% were moved by assistance through third-country nationalities, and movement for 17% were untracked.
- 15% moved from Panakuch in Unity State, and 1.5% moved from Kiirr Adem in Upper Nile State.
- **49,090 individuals (7,523 households) currently are in Renk**, with 26,265 (54%) in the host community and 22,825 (46%) in the collective centres in Renk Town.
- The rate of inward outpaces outward movement resulting in a gradual rise in population at TC.

Out of the **22,825 in collection centres** this week, the population is estimated to be 12,200 (53%); in Renk TC, Area Zero, 1,800 (8%), and Abukadra, 1,450 (6%)



Top five causes of Morbidity in Renk

- During the week, a total of 7,741 new consultations were conducted; cumulatively 101,430 individuals were reached with curative interventions.
- Malaria is the leading cause of morbidity, with 44% (3374) of all consultations, followed by ARTI at 19% (1470), Diarrhoea at 8% (515), and 46 (1%) suspected measles cases.
- In relation to suspected measles cases, 6 samples were shipped from Renk to Juba on Tuesday this week (19th September) .

Disease	Consultation	Percentage	Disease	Consultation
Malaria	3374	44%	Malaria	3374
ARTI	1470	19%	ARTI	1470
AWD	515	7%	AWD	515
UTI	93	1%	UTI	93
Measles	46	1%	Measles	46

Emergency kits distributed/prepositioned

- WHO distributed or prepositioned 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.



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

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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>

