

South Sudan

Integrated Disease surveillance and response (IDSR)

**Epidemiological Bulletin Week 46 of 2020 (November 09-
November 15)**



World Health
Organization
South Sudan



- In week 46, 2020 IDSR reporting completeness was 78% and timeliness was 64% at health facility level. EWARNS reporting both completeness and timeliness were 75%
- Of the 82 alerts in week 46, 2020; 69% were verified 0% were risk assessed and 0% required a response. Malaria (16), AWD (27), ARI (14), measles (1) and bloody diarrhea (18) were the most frequent alerts in week 46, 2020
- Malaria remains the top cause of morbidity and accounted for 89,403 cases (63.9% of OPD cases)
- A total of 1546 COVID-19 alerts have been investigated with 1,441 (93.2%) being verified. Total of 3,061 COVID-19 confirmed cases and 60 deaths, CFR of 2.0%
- Other hazards include floods in 43 counties; malaria in 10 counties; measles in Pibor; HEV in Bentiu PoC; new confirmed measles outbreak in Ibba and Wau and suspected HEV in Abyei

SURVEILLANCE PERFORMANCE



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



IDSR timeliness & completeness performance at county level for week 46 of 20202



Completeness States Ranking	States	Supporting Partners	Total No. of Functional Health Facilities in the State	No. of HFs Reported on Time	Timeliness Percentage	No. of HFs Reported regardless of Time	Completeness Percentage
1st	Lakes	Doctors with Africa (CUAMM), LIVEWELL	113	97	86%	113	100%
9th	CES	HLSS, SSUHA, Healthnet TPO, IHO, GOAL, TRISS, THESO	118	115	97%	115	97%
4th	WBGZ	Cordaid, Healthnet TPO, CARE International, IOM	75	55	73%	71	95%
10th	Upper Nile	Cordaid, WVI, RI, IMC, NIDO, UNKEA, MC, SSAID	119	81	68%	97	82%
3rd	Unity	Cordaid, UNIDOR, IRC, CHADO, CARE International, CRADA, CASS	88	60	68%	70	80%
8th	EES	Cordaid, HLSS, CCM	142	86	61%	112	79%
7th	Warrap	GOAL, CCM, WVI, Malaria Consortium, UNKEA, Save the Children, MSF	119	71	60%	89	75%
6th	Jonglei	Nile Hope, MDM, JDF, Livewell, CMD, HFO, EDA, CRADA, Malaria Consortium, CMA	104	59	57%	68	65%
5th	WES	AMREF, World Vision, CUAMM, CDTY, OPEN	213	79	37%	137	64%
2nd	NBGZ	Malaria Consortium, Healthnet TPO, IRC, CEDS, IHO	130	73	56%	80	62%
	South Sudan		1221	776	64%	952	78%

KEY

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

The timeliness of IDSR reporting (supported by EWARS mobile) at health facility level was 64% and completeness was 78%. (5) states were above the target of 80% with highest reporting rate in Lakes

IDSR timeliness & completeness performance at county level for week 46 of 2020 (1)



STATE	COUNTY	SUPPORTING PARTNER	Total No. of Functional Health Facilities in the County	No. of HFs Reported on Time	Timeliness Percentage	No. of HFs Reported regardless of time	Completeness Percentage
Lakes	Wulu	Doctors with Africa (CUAMM)	14	14	100%	14	100%
Lakes	Cuelbet	Doctors with Africa (CUAMM)	15	15	100%	15	100%
Lakes	Rumbek North	Doctors with Africa (CUAMM)	7	7	100%	7	100%
Lakes	Rumbek East	Doctors with Africa (CUAMM)	24	24	100%	24	100%
WBGZ	Wau	Cordaid	28	28	100%	28	100%
CES	Kajo Keji	SSUHA,GOAL,TRI-SS	17	17	100%	17	100%
CES	Yei	SSUHA	17	17	100%	17	100%
CES	Terekeka	HealthNetTPO	20	20	100%	20	100%
Lakes	Rumbek Centre	Doctors with Africa (CUAMM)	23	21	91%	23	100%
Lakes	Yirol East	Doctors with Africa (CUAMM),LIVEWELL	11	10	91%	11	100%
NBGZ	Aweil South	Malaria Consortium(MC),IHO	9	8	89%	9	100%
Lakes	Awerial	Doctors with Africa (CUAMM)	7	6	86%	7	100%
WBGZ	Jur River	Cordaid	35	27	77%	35	100%
Lakes	Yirol West	Doctors with Africa (CUAMM)	12	0	0%	12	100%
CES	Juba	HLSS	46	45	98%	45	98%
NBGZ	Aweil North	HealthNetTPO,IHO	33	31	94%	31	94%
NBGZ	Aweil East	IRC,TADO	36	30	83%	34	94%
CES	Lainya	SSUHA	16	13	81%	13	81%
CES	Morobo	SSUHA,THESO	5	3	60%	3	60%
NBGZ	Aweil West	HealthNetTPO	37	3	8%	3	8%
NBGZ	Aweil Centre	Malaria Consortium(MC)	15	1	7%	3	20%
WBGZ	Raja	HealthNetTPO	14	0	0%	8	57%

STATE	COUNTY	SUPPORTING PARTNER	Total No. of Functional Health Facilities in the County	No. of HFs Reported on Time	Timeliness Percentage	No. of HFs Reported regardless of time	Completeness Percentage
Unity	Abiemnhom	Cordaid	4	4	100%	4	100%
Unity	Koch	CRADA,IRC.	5	5	100%	5	100%
Unity	Mayom	CASS	9	9	100%	9	100%
WES	Mundri East	CUAMM	19	0	0%	18	95%
Unity	Panyijjar	IRC	15	14	93%	14	93%
WES	Tambura	World Vision International	26	22	85%	24	92%
Unity	Leer	UNIDOR	11	8	73%	10	91%
WES	Ibba	AMREF	11	5	45%	10	91%
WES	Mvolo	CUAMM	11	0	0%	10	91%
WES	Yambio	World Vision International	42	35	83%	37	88%
Unity	Guit	CHADO	7	0	0%	6	86%
Unity	Rubkona	Cordaid,IRC,IOM,MSF	15	10	67%	12	80%
WES	Nagero	World Vision International	10	0	0%	8	80%
Unity	Pariang	CARE International	11	8	73%	8	73%
WES	Ezo	World Vision International	27	17	63%	17	63%
WES	Mundri West	CUAMM	21	0	0%	5	24%
WES	Maridi	AMREF	26	0	0%	5	19%
Unity	Mayendit	CASS	12	2	17%	2	17%
WES	Nzara	World Vision International	20	0	0%	3	15%

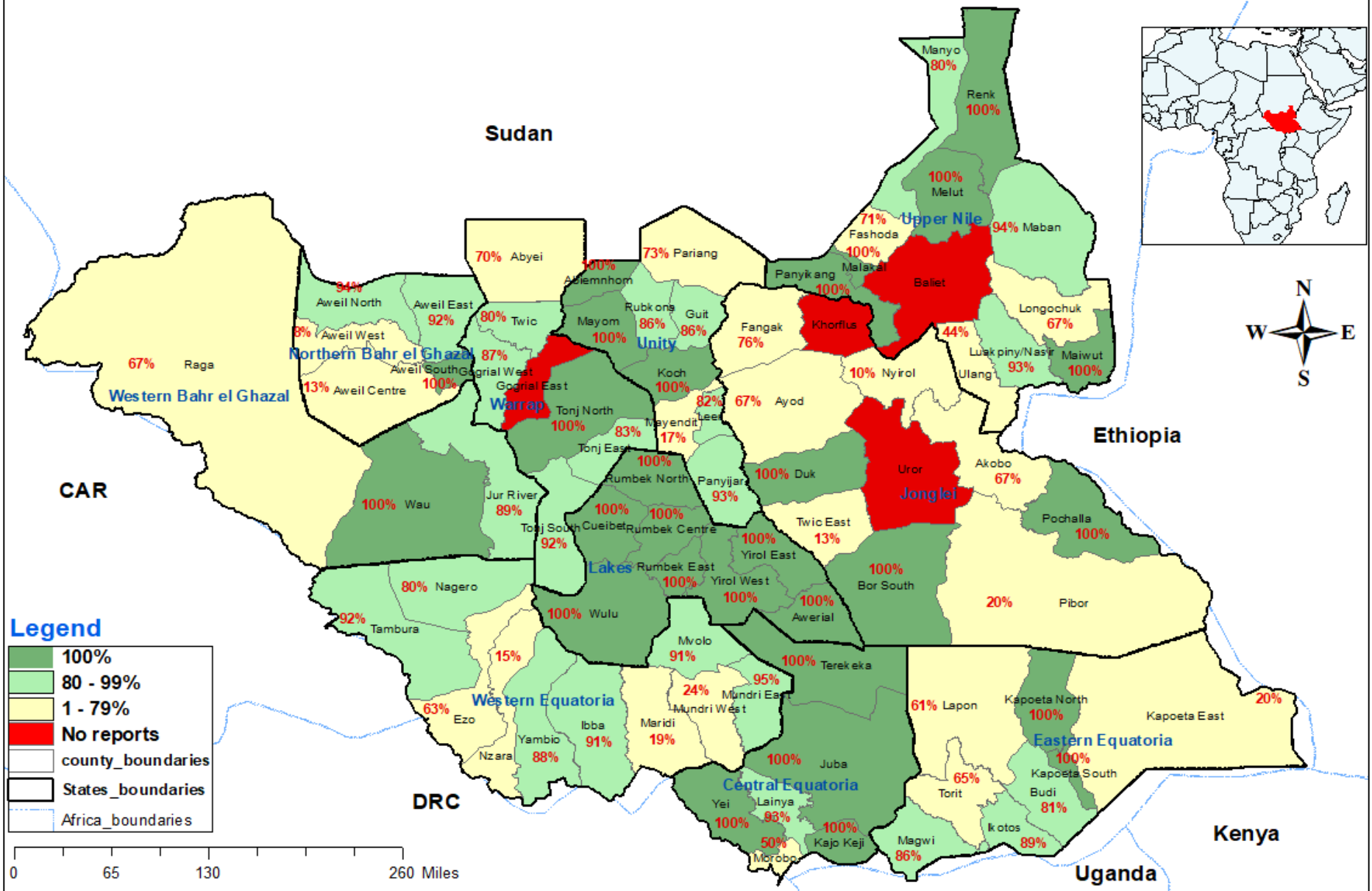
IDSR timeliness & completeness performance at county level for week 46 of 2020 (2)



STATE	COUNTY	SUPPORTING PARTNER	Total No. of Functional Health Facilities in the County	No. of HFs Reported on Time	Timeliness Percentage	No. of HFs Reported regardless of time	Completeness Percentage
Jonglei	Pochalla	LIVEWELL	7	7	100%	7	100%
EES	Kapoeta South	CCM	10	9	90%	10	100%
EES	Ikotos	HLSS	27	24	89%	25	93%
EES	Kapoeta North	CCM	16	0	0%	15	94%
EES	Budi	Cordaid	21	14	67%	18	86%
EES	Magwi	HLSS	22	18	82%	18	82%
Jonglei	Fangak	CMD,HFO	16	13	81%	13	81%
Jonglei	Duk	MDM + JDF	15	11	73%	11	73%
Jonglei	Ayod	CMD,EDA	15	10	67%	10	67%
EES	Torit	Cordaid	20	13	65%	13	65%
Jonglei	Bor	MDM + JDF	35	14	40%	22	63%
EES	Lopa Lafon	HLSS	18	6	33%	11	61%
Jonglei	Pibor	LIVEWELL,CRADA	3	1	33%	1	33%
Jonglei	Akobo	NILE HOPE	8	2	25%	2	25%
EES	Kapoeta East	CCM	12	2	17%	2	17%
Jonglei	Twic East	MDM + JDF	11	1	9%	1	9%
Jonglei	Nyrol	CMA,Malaria Consortium	10	0	0%	1	10%
Jonglei	Canal Pigi	IMC	11	0	0%	0	0%
Jonglei	Uror	Nile Hope,Malaria Consortium	8	0	0%	0	0%

STATE	COUNTY	SUPPORTING PARTNER	Total No. of Functional Health Facilities in the County	No. of HFs Reported on Time	Timeliness Percentage	No. of HFs Reported regardless of time	Completeness Percentage
Warrap	Tonj North	CCM	14	14	100%	14	100%
Upper Nile	Maiwut	RI	5	5	100%	5	100%
Upper Nile	Renk	WVI + RI	13	13	100%	13	100%
Upper Nile	Melut	WVI + RI	8	8	100%	8	100%
Upper Nile	Panyikang	IMC	4	0	0%	4	100%
Upper Nile	Maban	WVI,RI,Samaritan's Purse	17	14	82%	16	94%
Warrap	Tonj South	CCM	12	11	92%	11	92%
Upper Nile	Luakpiny Nasir	UNKEA,RI	15	13	87%	13	87%
Warrap	Gogrial West	GOAL	31	10	32%	27	87%
Upper Nile	Makal	IMC	7	4	57%	6	86%
Warrap	Tonj East	CCM	12	10	83%	10	83%
Upper Nile	Manyo	CORDAID	10	5	50%	8	80%
Upper Nile	Akoka	IMC	5	0	0%	4	80%
Warrap	Twic	GOAL	26	20	77%	20	77%
Upper Nile	Fashoda	CORDAID	13	10	77%	10	77%
Warrap	Abyei	AAA,Save the Children,MSF	10	6	60%	7	70%
Upper Nile	Longechuk	RI	9	6	67%	6	67%
Upper Nile	Ulang	UNKEA,RI	14	3	21%	4	29%
Warrap	Gogrial East	GOAL	15	0	0%	0	0%
Upper Nile	Baliet	IMC	4	0	0%	0	0%

IDSR performance Map showing completeness of reporting by counties in week 46, 2020.



Disclaimer: The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.



Surveillance: EWARS performance indicator by partner for week 46 of 2020

Partner	HFs	Reporting		Performance	
PARTER	# OF SITES	# of reports received on Time	No. of HFs Reported regardless of time	Timeliness	Completeness
IRC	1	1	1	100%	100%
HAA	2	2	2	100%	100%
RHS	1	1	1	100%	100%
UNIDOR	2	2	2	100%	100%
GOAL	2	2	2	100%	100%
CMD	1	1	1	100%	100%
Medair	2	2	2	100%	100%
TRI-SS	2	2	2	100%	100%
IMC	6	6	6	100%	100%
HFO	2	2	2	100%	100%
Medicaire	2	2	2	100%	100%
MSF-E	6	6	6	100%	100%
UNH	2	2	2	100%	100%
IOM	12	11	11	92%	92%
MSF-H	5	1	1	20%	20%
IMA	9	3	3	33%	33%
World Relief	2	0	0	0%	0%
SMC	2	0	0	0%	0%
TOTAL	61	46	46	75%	75%

Both completeness and timeliness were 75% for weekly reporting in week 46, 2020 for partner-supported clinics serving IDP sites.

EVENT-BASED SURVEILLANCE



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





State	Acute jaundice syndrome	Acute Respiratory Infections (ARI)	Acute Watery Diarrhoea	AFP	Bloody Diarrhoea	Malaria (Confirmed)	Measles	Yellow Fever	Guinea Worm	Covid-19	Total alerts
CES			2		2						4
EES			1		2						3
Jonglei		3	2		1	3	1	1			11
Lakes		2									2
NBGZ		1	2						1		4
Unity	1		1			1				1	4
Upper Nile		3	1		3						7
Warrap			3	1	1	3				1	9
WBGZ		2	5		1	4					12
WES		3	10		8	5					26
Total alerts	1	14	27	1	18	16	1	1	1	2	82

During this week:

14 ARI alert: 11 under verification and 3 are investigated

27 AWD alert: 22 are undergoing verification and 5 are investigated

18 ABD alert: 16 under going Investigation and 2 are investigated

16 Malaria alerts: 5 are under verification and 11 are investigated

2 Covid-19 alert: all are investigated

1 Measles alert: investigated

1 AFP alert: investigated

1 Yellow Fever alert: under investigation

1 Guinea Worm alert: under investigation

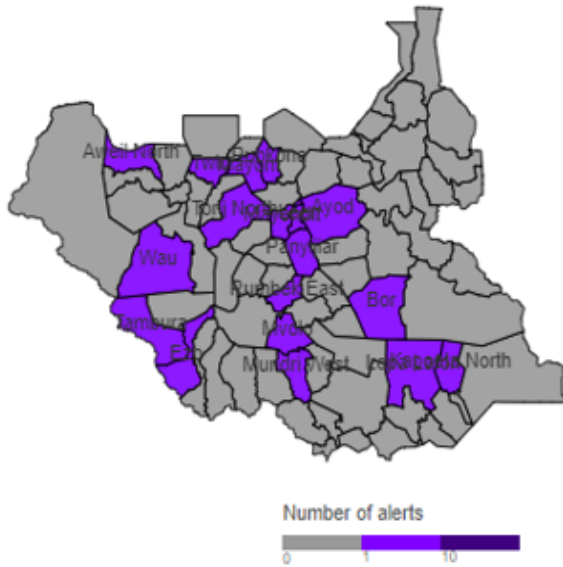
1 AJS alert: under investigation



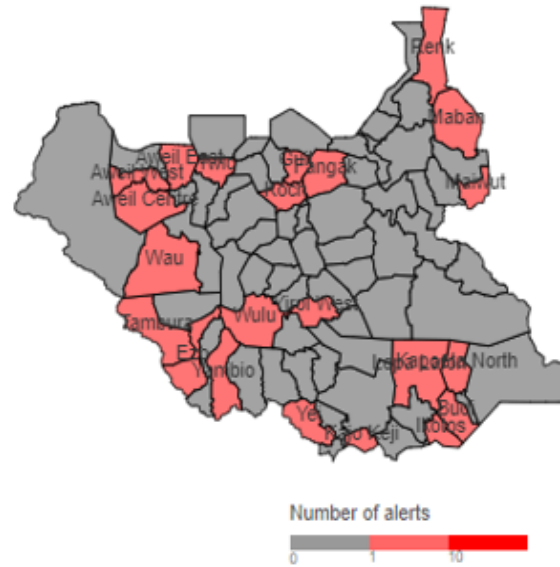
Alert: Map of key disease alerts by county of week 46 of 2020



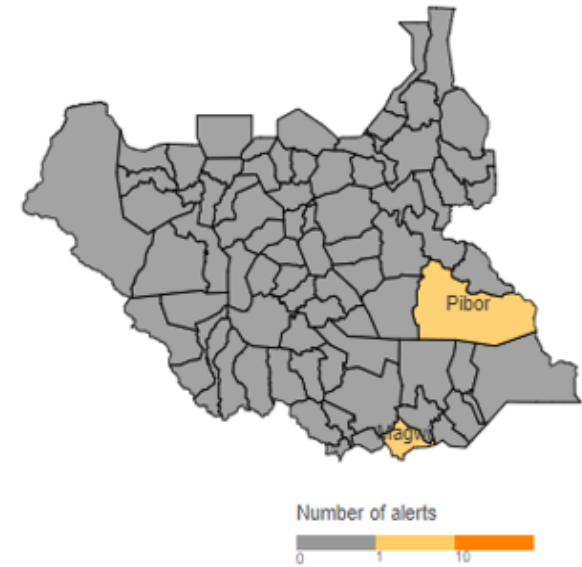
Map 2a | Malaria (W46 2020)



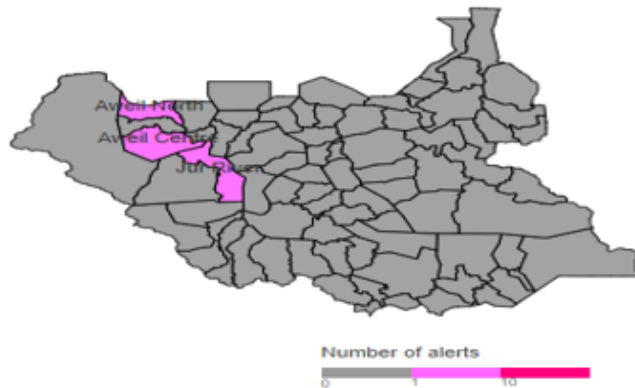
Map 2b | Bloody diarrhoea (W46 2020)



Map 2c | Measles (W46 2020)



Map 2e | Guinea Worm (W46 2020)



W46	Cumulative (2020)	
0	13	Low risk
4	4	Medium risk
0	27	High risk
0	58	Very high risk
69%	80%	% verified
0%	0%	% auto-discarded
0%	1%	% risk assessed
0%	1%	% requiring a response

SUSPECTED OUTBREAKS



Major suspected outbreaks in South Sudan in
2020





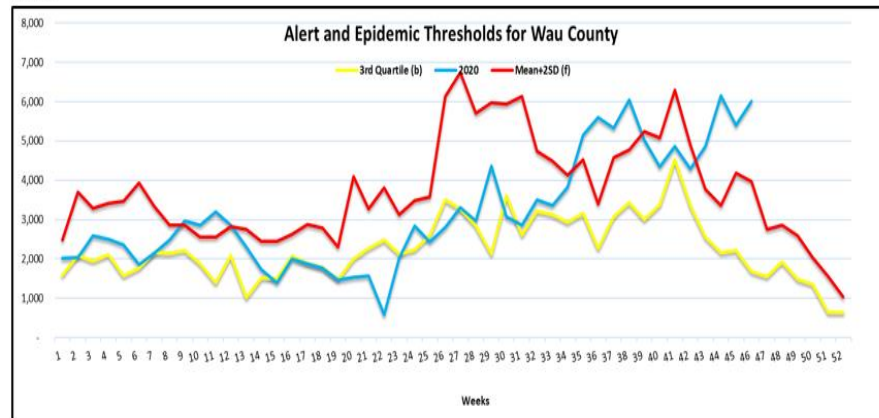
Malaria was the leading cause of morbidity and mortality, accounting for **63.9%** of all morbidities and **45.0%** of all mortalities this week.

There were **10 Counties** with malaria trends that exceeded the threshold (third quartile of trends for the period 2013-2017) and these include the following:

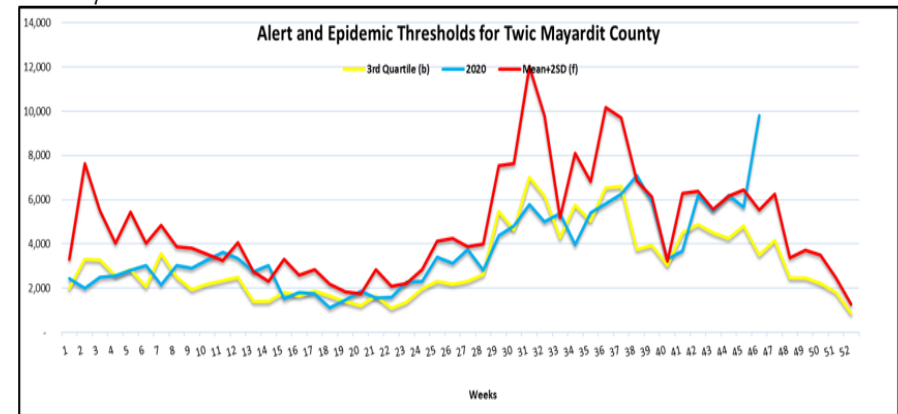
1. Kuajok (Twic Mayardit, Tonj North)
2. Wau hub (Wau)
3. Aweil hub (Aweil East, Aweil North, Aweil South, Aweil Center)
4. Juba hub (Juba)
5. Bentiu hub (Rubkona)
6. Yambio hub (Yambio)

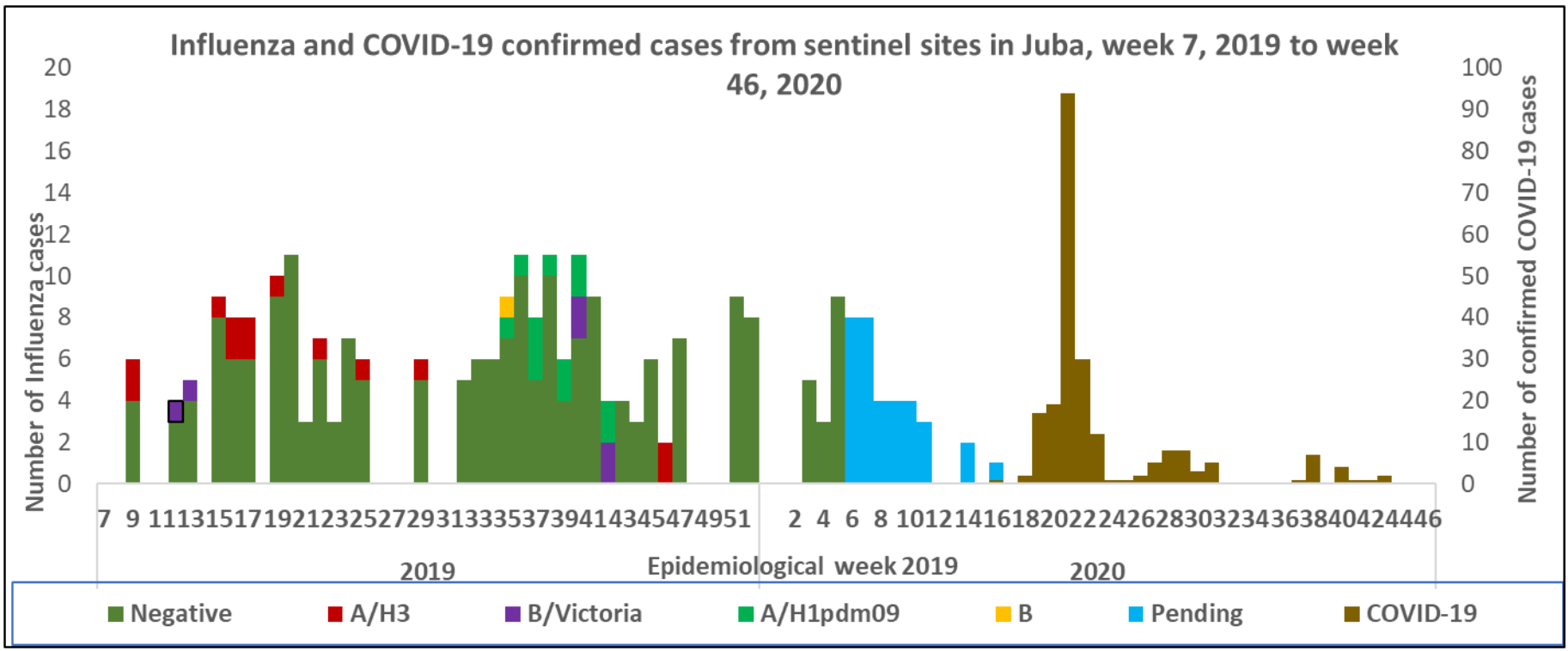
In the PoC sites; malaria is the top cause of morbidity in Bentiu (45%); Juba (66%), Bor (0%) and Wau (39%) PoCs, in Malakal PoC malaria accounts for (10%) of OPD consultations, respectively.

Wau.



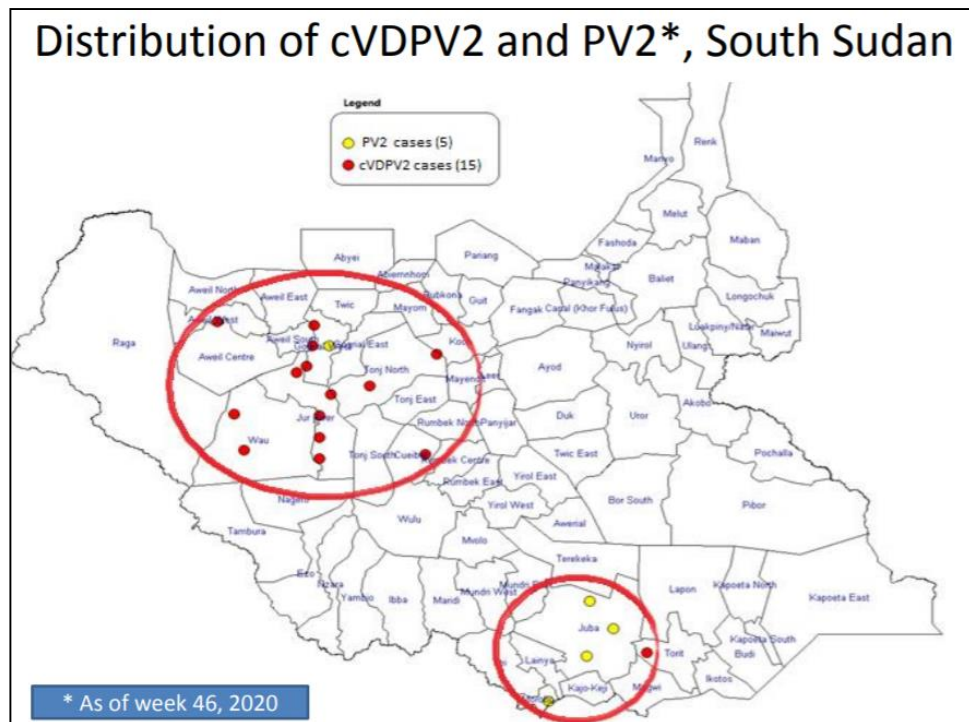
Twic Mayardit





- In week 7, 2019, South Sudan started case-based surveillance for Influenza Like Illness (ILI) and Severe Acute Respiratory Infection (SARI) cases through systematic collection of epidemiological and virological information.
- In 2019, a total of 309 ILI/SARI samples have been collected and tested in UVRI 228 being negative; 6 positive for Influenza B (Victoria); 13 positive for Influenza A (H3); and 12 positive for Influenza A (H1)pdm09 and (50) samples are pending test results .
- There are currently 20 Covid-19 designated sentinel surveillance sites in Juba that are collecting epidemiological data and samples from ILI/SARI cases. A total of 3987 samples have been collected in 2020 with 222 (5.5%) being positive for COVID-19 in Juba. These sentinel samples have not been tested for influenza in 2020

- In the 4th September 2020 the ministry of health has been notified by the Ugandan Virus research institute the isolation of three suspected polio virus type 2(PV2) from three AFP samples, later cases were also reported and all confirmed to be cVDPV2 cases bringing the total cases as of today to 15.
- On 4th November 2020 new suspected polio virus cases were also reported from Central Equatoria state in Juba and Morobo. Genetic sequencing of these cases is also confirming cvDPV2 cases. This highlights the spread of the outbreak in the Southern part of the country making the total number of counties affected by the outbreak to 9 in six states while the number of cases of cVDPV2 become 19.



- **This month, additional PV2 cases received from environmental samples collected from Amarat and Roton sites in Juba, which sequencing analysis underway Clinical and epidemiological investigations are completed for all cases**
- **The surveillance performance indicators maintained a high level even in all outbreak affected states, however,, as of week 47, 2020, three states remain behind to met both indicators(Jounglie, Eastern equatoria and Upper Nile.**
- **The National Incident Management System (IMS), continued to meet daily chaired by the Director-General for Primary Health Care, Ministry of Health, with participation from WHO, UNICEF, AFH, CORE Group, and IOM.**
- **Due to the ongoing outbreak of cVDPV2 situation in the country all surveillance units in the country were alerted and sensitized to intensify surveillance performance.**
- **Using zoom meeting all staff of surveillance at different level updated on the status of the outbreak and review the progress of activities**

ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS



Brief epidemiological description and public health response for active outbreaks and public health events



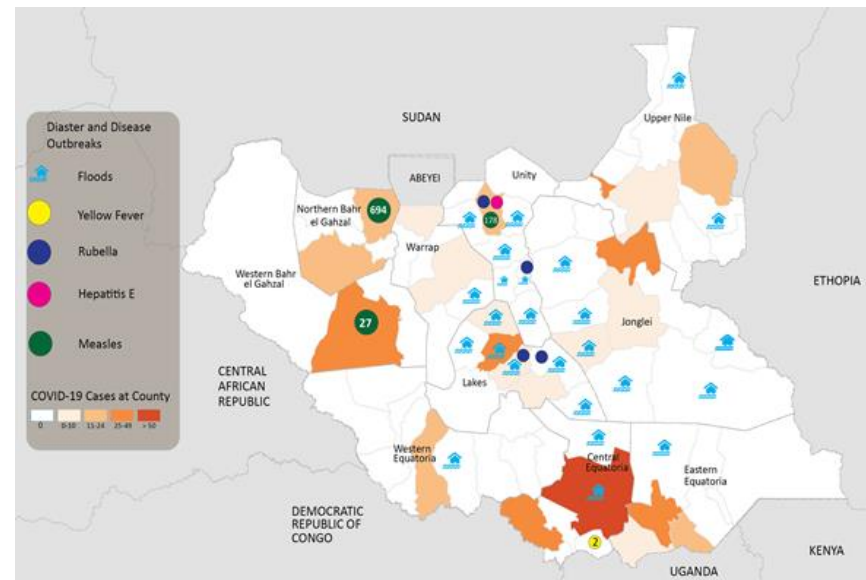


Flooding, South Sudan, week 46, 2020

- Since early July 2020, South Sudan has been experiencing heavy rainfall and rising water levels along the River Nile, Pibor, and Sobat river.
- Among the affected populations, 444,000 people have been displaced by floods. Multi-cluster response is ongoing in most of the affected counties while emergency repair and rehabilitation of dykes in Bor South and Twic East are ongoing as well.

Emergency Response

- Procurement of emergency health kits and other supplies to support partners responding in floods-affected locations has been initiated
- Prepositioning of available essential medicines and supplies at hubs offices
- WHO EMMT deployment in 2 location, i.e. Lekuangole and Pibor town (Kondako, Langchut and Jalaba East)
- Floods multi-cluster responses and assessments are ongoing in the other affected Counties.



Key figures

1,034 K Flood-affected people	481 K Flood-displaced people	43 Flood-affected counties	271 K People targeted for life-saving response in priority 1 locations	192 K People targeted for life-saving response in priority 2 locations
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Update on Measles lab results release in September 2020 (1)

S/N	County	Total Number of Samples tested	Measles IgM Positive	Rubella IgM Positive
1	Pibor	6	6	0
2	Nzara	10	0	0
3	Ibba	1	0	0
4	Tambura	1	0	1
4	Nagero	1	0	1
5	Ezo	1	0	0
6	Juba	1	0	0
	Total	21	6	2

- In September the lab has received additional 11 samples for Measles
- 5 of the 11 samples are from Pibor and all tested positive for measles IgM

Measles lab results Update, October and November 2020 (2)

S/N	County	Total No. of samples tested	Measles IgM +ve	Rubella IgM +ve	Negative
1	Ibba	5	4	0	1
2	Wau	4	3	0	1
3	Maridi	2	1	0	1
4	Yambio	1	1	0	0
5	Tambura	4	0	0	4
6	Lainya	1	0	0	1
	Total	17	9	0	8

- A total of 17 samples for received for measles from 6 counties
- Nine (09) of all samples tested are positive for measles IgM and 8 negative for
- Four (04) measles IgM +ve from Ibba and 3 IgM +ve from Wau County



Aetiological agent	Location (county)	Date first reported	New cases since last bulletin	Cumulative cases to date (attack rate %)	Interventions			
					Case management	Vaccination	Health promotion	WASH
Ongoing epidemics								
Hepatitis E	Bentiu PoC	03/01/2018	1	412 (0.003)	Yes	No	Yes	Yes
Measles	Bentiu PoC	24/04/2019	NR	482 (0.006)	Yes	Yes	Yes	N/A
Measles	Pibor	27/1/2020	1	355 (0.0028)	Yes	Yes	Yes	N/A
Measles	Ibba	25/1/2020	13	40 (0.345)	Yes	Yes	Yes	N/A





- Measles outbreaks confirmed in 2020

- 8 counties – Tonj East, Magwi, Bor, Kapoeta East, Tonj South, Wau and Pibor

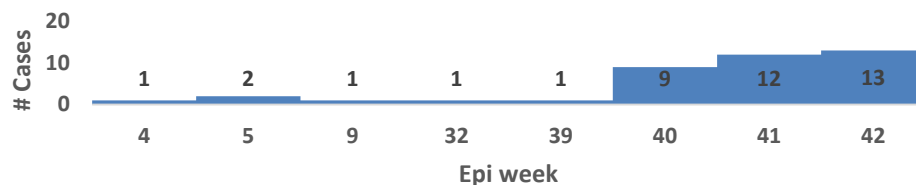
- Locations with ongoing measles transmission

- Pibor County
 - Wau County
 - Ibba County

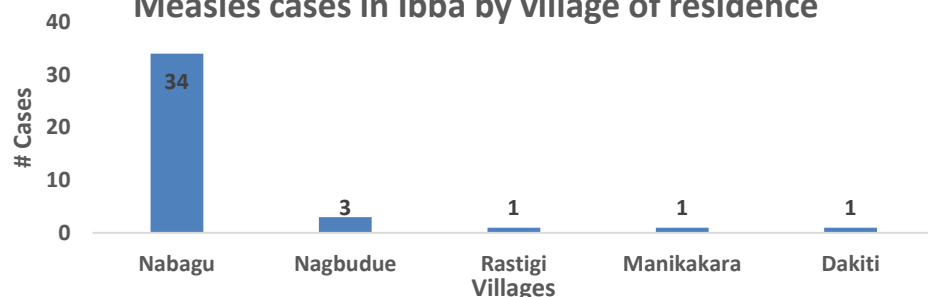


Confirmed Measles Outbreak in Ibba

Measles Cases in Ibba from week 4 to week 42 of 2020



Measles cases in Ibba by village of residence



Background and descriptive epidemiology

- Measles transmission has persisted in Ibba county despite of the mass vaccination, and the follow up campaign was completed for the two counties – the coverage was 99%
- Suspected measles cases were reported and two samples tested measles IgM +e.
- 13 cases were reported in week 42, makes a total of 40 cases since beginning of 2020
- 30% of the cases are less than 5 years of age
- 40% are female and 60% male
- Most affected areas are Nabagu and Nagbudue

Response Actions:

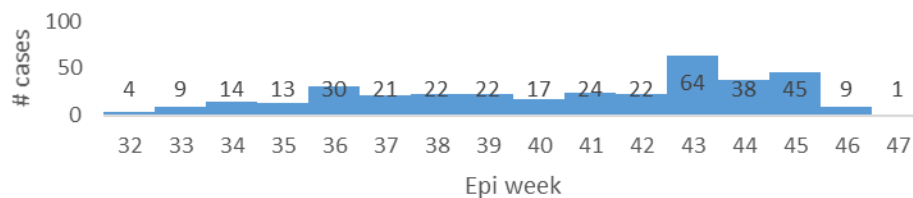
- Mobilize local health facilities; partners; leaders; and communities to strengthen routine immunization in the area. (Action Africa help (AAH))
- Strengthen case management
- Enhance the already existing social mobilization activity and expand to all payams
- Measles follow up campaign, achieved 99% early 2020

Age group	Cases	Percentage	CUM. %
0 - 4 Years	12	30%	30%
5 - 9 Years	11	28%	58%
10 - 14 Years	9	23%	80%
15 + Years	8	20%	100%
Grand Total	40	100%	

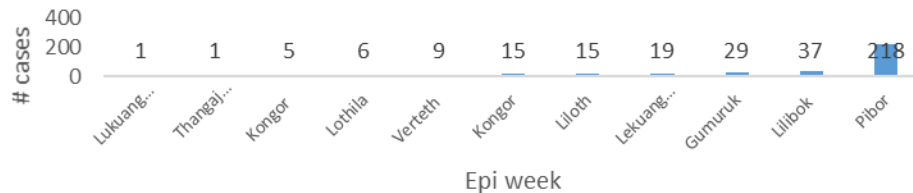


Confirmed Measles Outbreak in Pibor

Epi curve for measles cases in Pibor from week 32 to week 47, 2020.



Measles cases in Pibor county by location from week 32 to week 47, 2020.



Background and descriptive epidemiology

- Measles transmission has persisted in Pibor county despite of the vaccination campaign conducted in February and March and October, 2019
- Suspected measles cases were reported from Pibor; five sample were send to Juba and tested measles IgM +e.
- 1 case were reported in week 47, makes a total of 355 since beginning of 2020
- 88% of the cases are less than 5 years of age
- 50% are female and 50% male
- Most affected areas are Lekuangle

Response Actions:

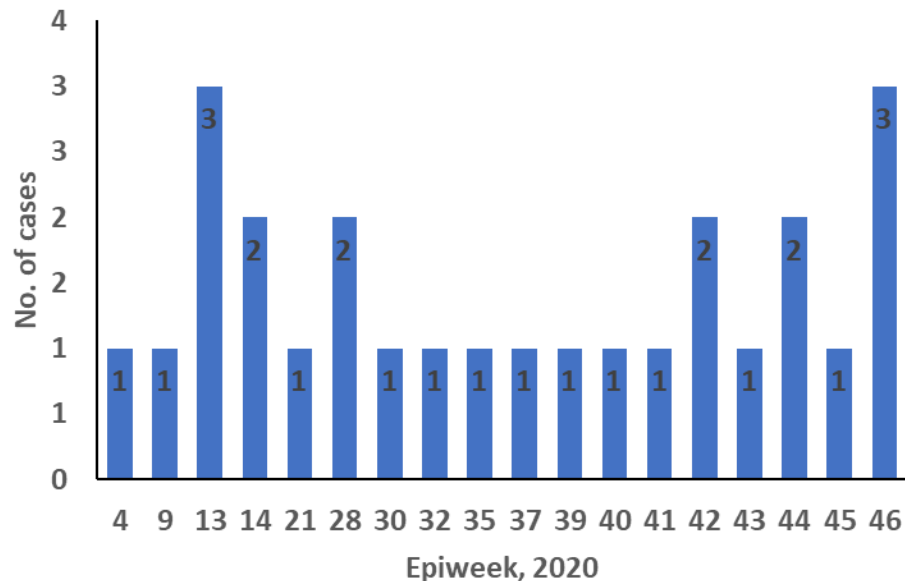
- Reactive campaign ongoing, started on 11 Nov 2020
- Pibor and verteth done, ongoing in Lekuangle
- Mop up to be considered based on the administrative coverages
- Some villages were not reached, requires to be revisited once reachable
- Some locations are being accessed from Juba

Age group	Cases	Percentage	CUM. %
1 - 4 Years	314	88%	88%
10 - 14 Years	6	2%	90%
15 + Years	2	1%	91%
5 - 9 Years	33	9%	100%
Grand Total	355	100%	



Suspected HEV Outbreak in Abyei

Epicurve of suspected HEV cases in Abyei, 2020



Response

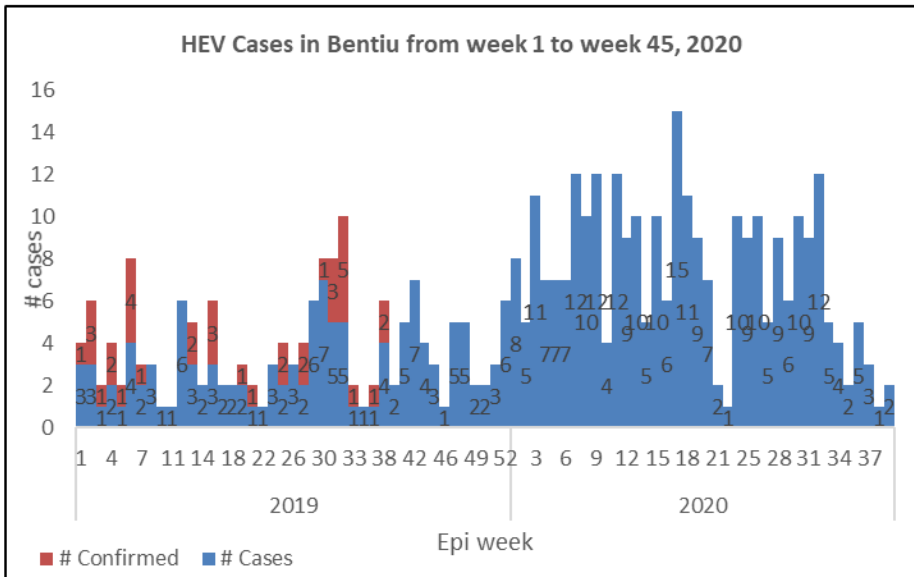
- Outbreak investigation-epidemiological and environmental investigation
- Most response implemented by WASH partners; WASH cluster partners to engaged

Background and descriptive epidemiology

- On 16th November 2020, a total of 26 suspect cases were line listed from week 3 to week 45.
- Warrap State RRT and WHO Kwajok hub were deployed to Agok on Sunday (22nd November) to conduct further epidemiological investigations and together with partners on ground conduct WASH assessments
- Age-group: 1/26 <5 year old
- 18/26 (69%) are male and 8/26 (31%) were female
- 2 deaths (24 & 32 years) CFR 7.6%
- Most affected location is Rumammer has 15/26 (58%) cases, other locations are Turalei, Abienmhom, Abyie

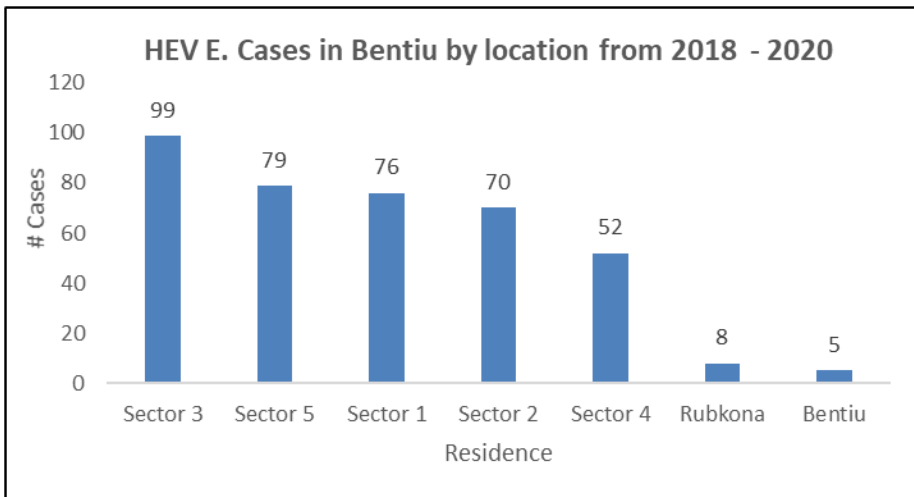


Hepatitis E, Bentiu PoC (1)



Descriptive epidemiology

- The persistent transmission of HEV in Bentiu PoC continues with 412 cases since beginning of 2019
- There were (2) new cases reported in week 35, 2020
- All the cases were managed as outpatient cases except for seven cases who were admitted
- 5 deaths reported in 2019 and 2020
- 49% are female and 51% are male.
- Age group less than 15 years had the most cases with (75%) cases.
- At risk of adverse outcomes when infected in the 3rd trimester of pregnancy
- Use of unsafe drinking water likely to be source of infection
- Up to week 45, 2020; there were 412 cases of HEV in Bentiu PoC including 5 deaths (CFR 0.01%)



Age-Group	Alive	Dead	Grand Total	Percentage	CFR	Cum. %2
1 - 4 Years	128	0	128	31%	0%	31%
10 - 14 Years	64	0	64	16%	0%	47%
15+ Years	101	3	104	25%	3%	72%
5 - 9 Years	114	2	116	28%	2%	100%
Grand Total	407	5	412	100%	0.01	



Recommendations

- Supportive case management guided by the HEV protocol is ongoing
- KEV messages on HEV prevention should continue within the community through HPs, CHWs and Kondial Radio
- With current COVID -19 Pandemic Outbreak, WASH partners to increase the coverage of hand washing facilities within the PoCs community.
- Other Wash intervention like increasing the access for clean water and improving the water storage in the affected individuals should be made urgently by distributing the water storage containers that will be the only way to mitigate this problem and stop the HEV outbreak.
- The WASH Cluster/HEV task force should engage in group discussion with Community leaders and woman group at water distribution points to understand their opinions on issue of Collapsing Jerrycans distribution.
- Monitoring the FRC levels at the taps stands in the different sectors, and the concentration of chlorination should maintain at 0.5-1mg/L as the point of collection





Aetiological agent	Location (county)	Date first reported	New cases since last bulletin	Cumulative cases to date (attack rate %)	Interventions			
					Case management	Vaccination	Health promotion	WASH
Controlled epidemics								
Measles	Juba	21/11/2019	NR	6(0.1667)	Yes	No	Yes	N/A
Measles	Tonj East	12/12/2019	NR	61(0.98)	yes	Yes	Yes	N/A
Measles	Bor	17/01/2020	NR	14(0.214)	yes	No	yes	N/A
Measles	Jebel Boma	10/12/2019	NR	96(0.063)	yes	No	Yes	N/A
Measles	Kapoeta East	18/01/2020	NR	16(0.625)	yes	No	Yes	N/A
Measles	Aweil East	29/12/2019	NR	664 (0.127)	Yes		No	Yes



EBOLA VIRUS DISEASE[EVD] PREPAREDNESS IN SOUTH SUDAN



Brief on the Ebola situation in DR Congo and updates on EVD preparedness in South Sudan



EVD DRC; Equateur Province Outbreak

11th Ebola outbreak in the Democratic Republic of the Congo declared over on 13th November 2020

Cumulative figures for the outbreak

- 130 cases (119 confirmed, 11 probable)
- 55 deaths (42.3% CFR)
- 75 recoveries (57.7%)
- 42 affected health areas, 13 health zones;
- 39,985 vaccinated

- The last confirmed case was reported on 28th Sept. in Makanza HZ
- 6 confirmed cases in the community have been designated as survivors;
- All contacts have completed 21 day follow up;
- 30 suspected are currently being treated across 19 IU/ETCs.
- 32 patients received experimental therapies.

COVID-19 Updates

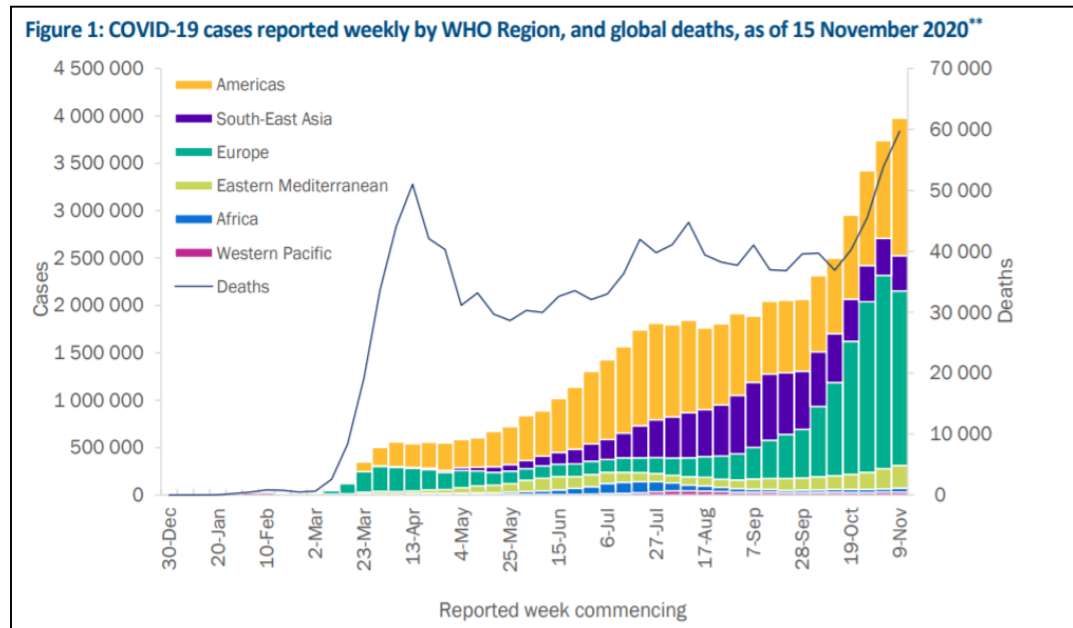


COVID-19 Virus Situation Summary



Situation update as of 1st November 2020

- The COVID-19 pandemic initial cases were detected in Wuhan China
- Globally >53.7 million cases (> 1.3 million deaths)
- Africa > 1 398 935 million cases (>31 450 deaths)



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



- 3,061 confirmed COVID-19 cases in South Sudan; 85% in Juba with 60 deaths and a case fatality rate (CFR) of 2.0%. Total 9,342 contacts identified, quarantined, & undergoing follow up
- Implementation of priorities; risk communication and community engagement; active case search and testing; quarantine for contacts; isolation of confirmed cases, infection prevention and control; and management of cases are currently underway
- The overall response currently led by the COVID-19 National level taskforce and the COVID-19 National Steering Committee



Overall Conclusions and Recommendations



Conclusion

- The overall IDSR and EWARN reporting performance in week 46, is above the target of 80%. Only (5) states were above 80%
- 3,061 confirmed COVID-19 cases in South Sudan; 85% in Juba with 60 deaths (CFR of 2.0%). Total 9,342 contacts identified, quarantined, & undergoing follow up
- A total of 1546 COVID-19 alerts have been investigated with 1,441 (93.2%) being verified
- With eight outbreaks confirmed in 2020; measles remains the most frequent vaccine preventable disease
- There are ongoing measles outbreak in Bentiu PoC and Pibor, Ibba and Wau county
- Given the COVID-19 pandemic, it is critical that measures are stepped up to contain its spread.



Recommendations

- All partners should support CHDs & State Ministries of Health to undertake IDSR/EWARN reporting
- All health facilities should report, and conduct case-based investigation of suspect measles cases and routine measles immunization should be strengthened in all counties
- Strengthen capacities for COVID-19 containment through identifying and testing suspect cases, isolating confirmed cases, and quarantining contacts



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 2020 use the link below:

<https://www.afro.who.int/publications/south-sudan-weekly-disease-surveillance-bulletin-2020>



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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>

