

South Sudan

Integrated Disease Surveillance and Response (IDSR)

Epidemiological Bulletin Week 11, 2020 (March 09 – March 15)



Major Epidemiological Highlights in week 11 of 2020

- In week 11, 2020 IDSR reporting completeness was 94% and timeliness was 81% at health facility level. EWARN reporting both completeness and timeliness were 81%.
- Of the 140 alerts in week 11, 2020; 71% were verified 0% were risk assessed and 0% required a response. Malaria (38), AWD (19), measles (8) and bloody diarrhea (39) were the top common alerts generated through the EWARS in week 11, 2020.
- Total Of 26 COVID-19 alerts were investigated and all tested negative.
- Rising ARI trends nationally since beginning of 2020. ARI proportional morbidity rising and higher than 20% in; Western Bahr el Ghazal (Wau county); Upper Nile (Malakal; Maban; Nasir) and Unity state (Rubkona; Pariang; Leer)
- Since week 7 of 2019, a total of 296 ILI/SARI samples have been tested; 6 (3%) positive for Influenza B (Victoria); 13(7%) positive for Influenza A (H3); and 12(6%) positive for Influenza A (H1)pdm09

SURVEILLANCE PERFORMANCE

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

IDSR Timeliness and Completeness Performance at Facility Level for week 11, 2020

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	NBG	Malaria Consortium, Healthnet TPO, IRC, CEDS, IHO	130	126	97%	130	100%
2nd	Warrap	GOAL, CCM, WVI, Malaria Consortium, UNKEA, Save the Children, MSF	120	92	77%	120	100%
3rd	WBG	Cordaid, Healthnet TPO, CARE International	77	43	56%	77	100%
4th	WES	AMREF, World Vision, CUAMM, CDTY, OPEN	213	194	91%	212	100%
5th	Lakes	Doctors with Africa (CUAMM), LIVEWELL	113	107	95%	113	100%
6th	EES	Cordaid, HLSS, CCM	145	108	74%	137	94%
7th	CES	HLSS, SSUHA, Healthnet TPO, IHO, GOAL, TRI-SS, THESO	125	100	80%	114	91%
8th	Unity	Cordaid, UNIDOR, IRC, CHADO, CARE International, CRADA, CASS	91	74	81%	82	90%
9th	Jonglei	Nile Hope, MDM, JDF, Livewell, CMD, HFO, EDA, CRADA, Malaria Consortium, CMA	155	117	75%	130	84%
10th	Upper Nile	Cordaid, WVI, RI, IMC, NIDO, UNKEA, MC, SSAID	115	87	76%	92	80%
	South Sudan		1284	1048	82%	1207	94%

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 82% and completeness was 94%. All 10 states are above the target of 80% with highest reporting rate in NBG, Warrap, WBG, WES and Lakes with completeness of 100%.

IDSR Timeliness and Completeness Performance at County Level for week 11, 2020 (1)

Counties	Supporting Partners	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
Rumbek Centre	Doctors with Africa (CUAMM)	23	23	100%	23	100%
Rumbek East	Doctors with Africa (CUAMM)	24	24	100%	24	100%
Rumbek North	Doctors with Africa (CUAMM)	7	7	100%	7	100%
Wulu	Doctors with Africa (CUAMM)	14	14	100%	14	100%
Cueibet	Doctors with Africa (CUAMM)	15	15	100%	15	100%
Yirol East	Doctors with Africa (CUAMM),LIVEWELL	11	11	100%	11	100%
Yirol West	Doctors with Africa (CUAMM)	12	12	100%	12	100%
Awerial	Doctors with Africa (CUAMM)	7	7	100%	7	100%
Yambio	World Vision International	42	41	98%	41	98%
Ibba	AMREF	11	11	100%	11	100%
Maridi	AMREF	26	26	100%	26	100%
Mundri West	CUAMM	21	21	100%	21	100%
Mundri East	CUAMM	19	19	100%	19	100%
Tambura	World Vision International	26	26	100%	26	100%
Mvolo	CUAMM	11	11	100%	11	100%
Nzara	World Vision International	20	20	100%	20	100%
Nagero	World Vision International	10	10	100%	10	100%
Ezo	World Vision International	27	27	100%	27	100%
Abiemnhom	Cordaid	4	4	100%	4	100%
Koch	CRADA,IRC.	6	6	100%	6	100%

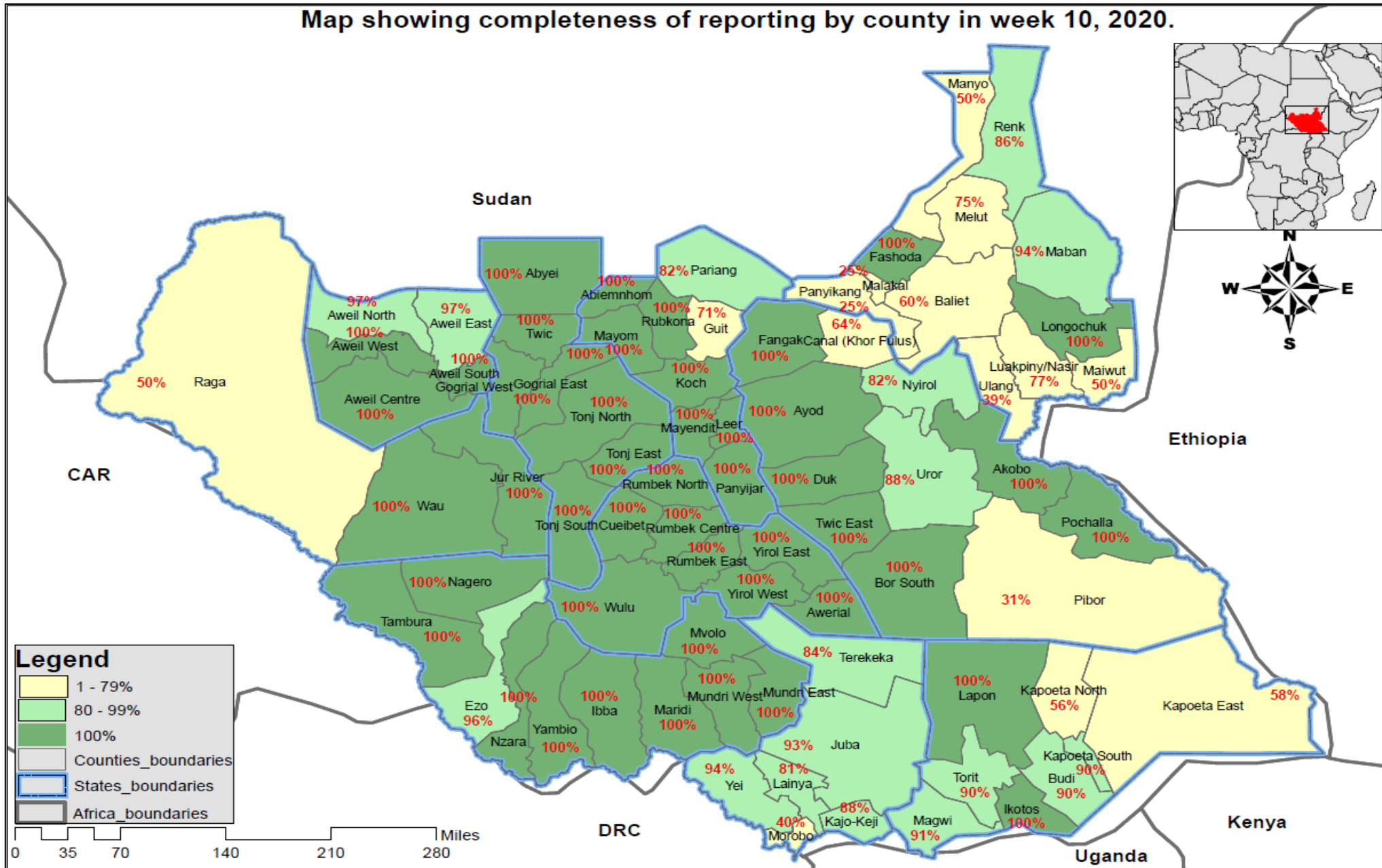
Counties	Supporting Partners	Total No. of Functional Health Facilities in the County	No. of HFs Reported on Time	Timeliness Percentage	No. of HFs Reported regardless of time	Completeness Percentage
Gogrial West	GOAL	32	32	100%	32	100%
Gogrial East	GOAL	15	15	100%	15	100%
Abyei	AAA,Save the Children,MSF	10	10	100%	10	100%
Tonj East	CCM	12	12	100%	12	100%
Tonj South	CCM	12	12	100%	12	100%
Tonj North	CCM	14	14	100%	14	100%
Twic Mayardit	GOAL	26	26	100%	26	100%
Bor	MDM + JDF	35	29	83%	29	83%
Duk	MDM + JDF	15	15	100%	15	100%
Pibor	LIVEWELL,CRADA	5	5	100%	5	100%
Akobo	NILE HOPE	8	8	100%	8	100%
Fangak	CMD,HFO	16	14	88%	14	88%
Uror	Nile Hope,Malaria Consortium	8	6	75%	6	75%
Nyirrol	CMA,Malaria Consortium	11	8	73%	8	73%
Twic East	MDM + JDF	11	11	100%	11	100%
Ayod	CMD,EDA	15	15	100%	15	100%
Pochalla	LIVEWELL	9	9	100%	9	100%
Pigi Canal	IMC	11	10	91%	10	91%
Mayendit	CASS	13	8	62%	8	62%
Guit	CHADO	7	4	57%	4	57%

IDSR Timeliness and Completeness Performance at County Level for week 11, 2020 (2)

Counties	Supporting Partners	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
Malakal	IMC	8	1	13%	1	13%
Akoka	IMC	5	0	0%	0	0%
Baliet	IMC	5	0	0%	0	0%
Renk	WVI + RI	13	13	100%	13	100%
Melut	WVI + RI	8	6	75%	6	75%
Manyo	CORDAID	8	4	50%	4	50%
Maiwut	RI	5	5	100%	5	100%
Fashoda	CORDAID	14	13	93%	13	93%
Ulang	UNKEA,RI	11	7	64%	7	64%
Maban	WVI + RI	16	15	94%	15	94%
Luakping Nasir	UNKEA,RI	26	19	73%	19	73%
Longechuk	RI	9	9	100%	9	100%
Panyikang	IMC	4	0	0%	0	0%
Aweil West	HealthNetTPO	37	37	100%	37	100%
Aweil East	IRC,TADO	36	35	97%	35	97%
Aweil Center	Malaria Consortium(MC)	15	15	100%	15	100%
Aweil South	Malaria Consortium(MC),IHO	9	9	100%	9	100%
Aweil North	HealthNetTPO,IHO	33	33	100%	33	100%
Pariang	CARE International	11	9	82%	9	82%
Panyijjar	IRC	15	14	93%	14	93%

Counties	Supporting Partners	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
Juba	HLSS	44	33	75%	33	75%
Kajo-Keji	SSUHA,GOAL,TRI-SS	16	15	94%	15	94%
Yei	SSUHA	20	17	85%	17	85%
Lainya	SSUHA	16	14	88%	14	88%
Morobo	SSUHA,THESO	4	2	50%	2	50%
Terekeka	HealthNetTPO	25	19	76%	19	76%
Torit	Cordaid	20	19	95%	19	95%
Lopa Lafon	HLSS	18	16	89%	16	89%
Ikotos	HLSS	27	27	100%	27	100%
Magwi	HLSS	22	19	86%	19	86%
Budi	Cordaid	21	21	100%	21	100%
Kapoeta South	CCM	10	8	80%	8	80%
Kapoeta East	CCM	12	9	75%	9	75%
Kapoeta North	CCM	16	16	100%	16	100%
Wau	Cordaid	28	28	100%	28	100%
Raja	HealthNetTPO	14	14	100%	14	100%
Jur River	Cordaid	35	35	100%	35	100%
Rubkona	Cordaid,IRC,IOM,MSF	15	14	93%	14	93%
Mayom	CASS	9	9	100%	9	100%
Leer	UNIDOR	11	11	100%	11	100%

Map showing completeness of reporting by county in week 10, 2020.



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Surveillance | EWARS surveillance performance indicators by partner week 11, 2020

Partner	Performance		Reporting	
	# of sites	# of reports received	Completeness	Timeliness
CMD	1	1	100%	100%
GOAL	2	0	0%	0%
HAA	5	5	100%	100%
HLSS	1	1	100%	100%
HFO	3	3	100%	100%
IMA	9	9	100%	100%
IMC	5	2	40%	40%
MDM	10	10	100%	100%
SMC	6	6	100%	100%
IOM	13	13	100%	100%
IRC	1	1	100%	100%
LIVEWELL	4	4	100%	100%
MEDAIR	2	2	100%	100%
MSF-E	6	5	83%	83%
MSF-H	5	3	60%	60%
RHS	3	1	33%	33%
TADO	5	1	20%	20%
TRI-SS	2	2	100%	100%
UNH	3	0	0%	0%
UNIDOR	2	2	100%	100%
WORLD RELIEF	2	2	100%	100%
TOTAL	90	73	81%	81%

- Both completeness and timeliness were 81% for weekly reporting in week 11, 2020 for partner-supported clinics serving IDP sites.

EVENT-BASED SURVEILLANCE

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

Alert by disease and Hubs in Week 11, 2020 [A total of 140 event specific alerts generated by Hubs]

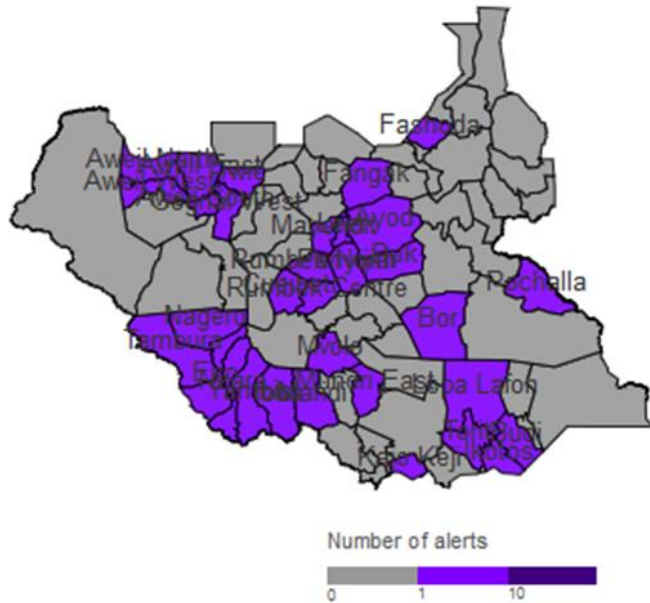
States	AJS	ARI	Acute Watery Diarrhoea	Bloody Diarrhoea	AFP	Malaria	Measles	Total Alerts
Jonglei								0
Warrap		4	9	3	1	3		20
EES			4	9	2	4	1	20
Unity	3	7		7		6	1	24
WES		9	2	2		21	2	36
CES		5	3	4		1	1	14
NBG						1	1	2
Lakes								0
WBG		2		5			2	9
UNS	1	2	1	9		2		15
Total Grand	4	29	19	39	3	38	8	140

During this week:

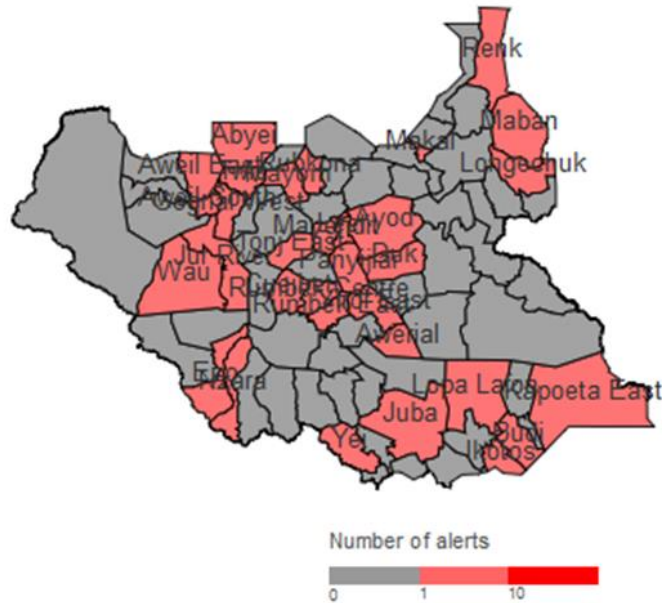
- 3 AJS alert: 1 undergoing verification and 3 in response stage
- 28 ARI: 14 are undergoing verification, 12 been monitored and 3 in response stage
- 22 AWD alert: 15 undergoing verification, 4 been monitored
- 39 ABD: 26 undergoing verification, 10 been monitored and 3 in response stage.
- 38 Malaria alerts: 13 undergoing verification, 22 under monitoring and 3 in response stage
- 9 Measles alert: 4 undergoing verification, 3 under monitoring and 1 in response
- 3 AFP alert: All are been monitored

Alert | Map of key disease alerts by county week 11, 2020

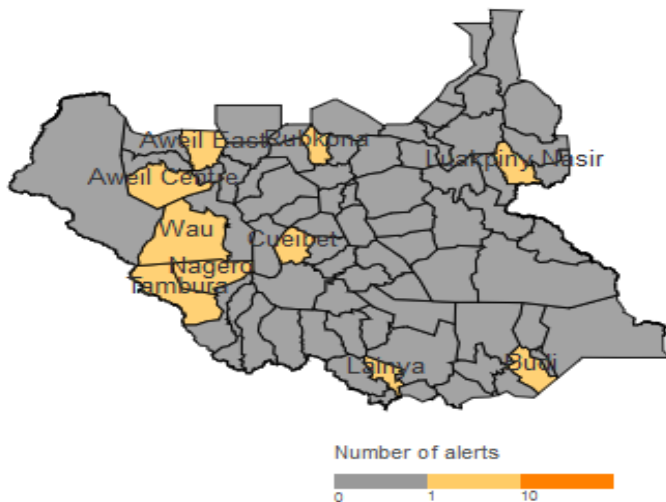
Map 2a | Malaria (W11 2020)



Map 2b | Bloody diarrhoea (W11 2020)

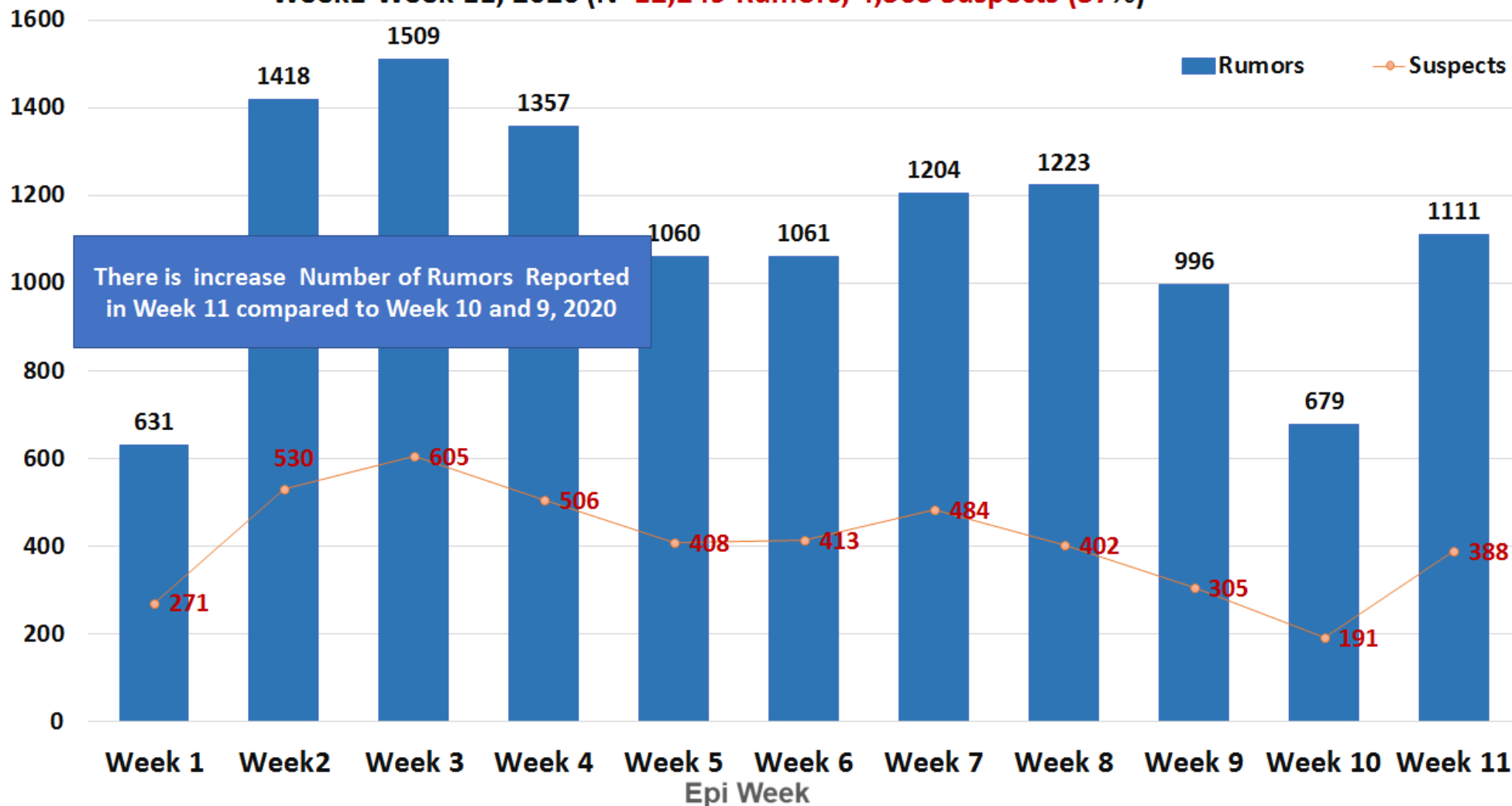


Map 2c | Measles (W11 2020)



W11	Cumulative (2020)	
0	1	Low risk
1	1	Medium risk
6	19	High risk
7	32	Very high risk
72%	70%	% verified
0%	0%	% auto-discarded
6%	2%	% risk assessed
6%	2%	% requiring a response

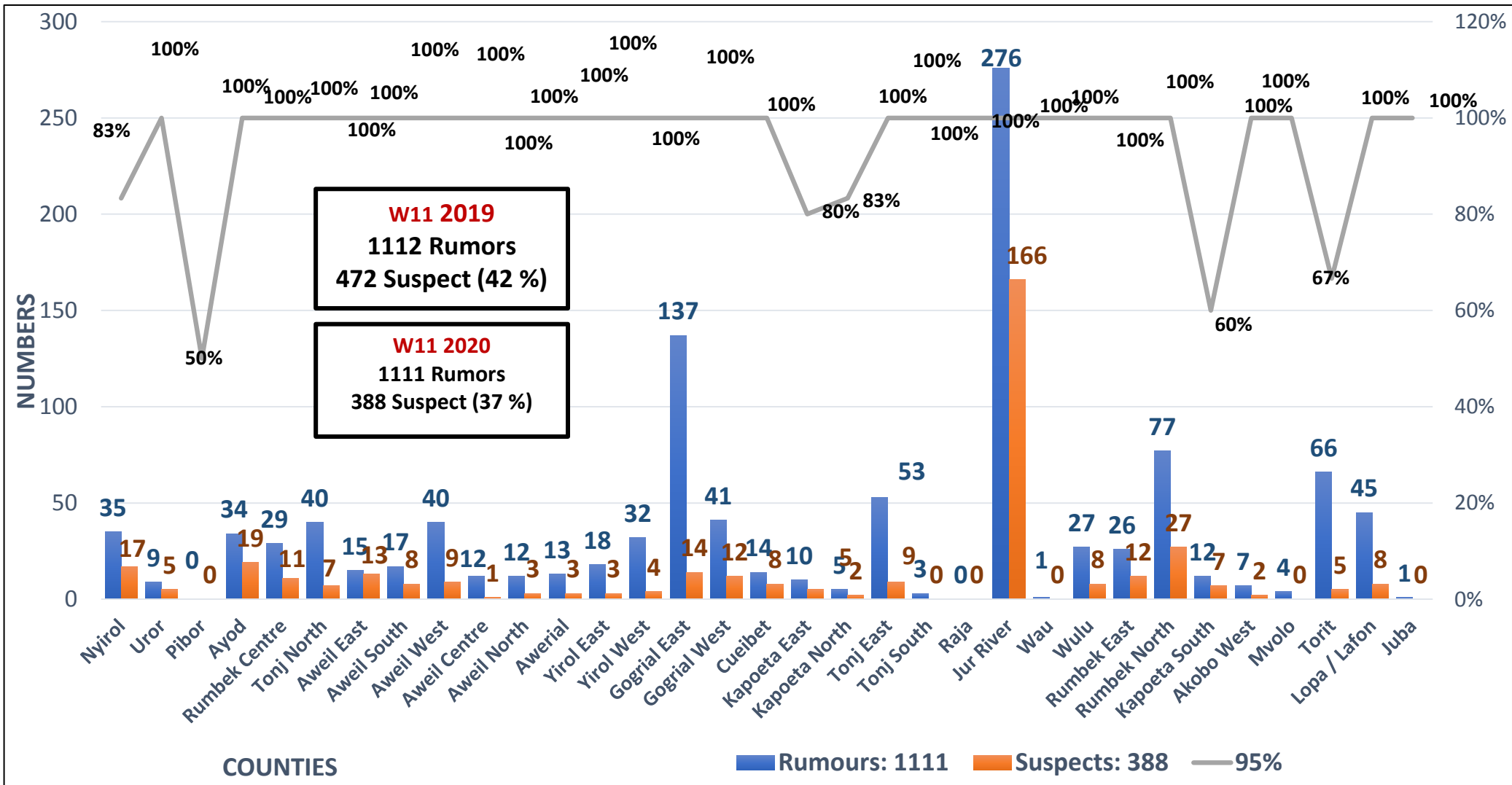
CUMULATIVE: Guinea Worm Rumors and Suspects
Week1-Week 11, 2020 (N=12,249 Rumors, 4,503 Suspects (37%))



There is increase Number of Rumors Reported in Week 11 compared to Week 10 and 9, 2020

There is a increased in the number of rumors and suspects reported in Week 11 Compared to Week 10 and 9

Former Counties that reported Rumors, and Suspects during 1st – 7th March 2020 (10th Week) (n=32)



The Reporting Rate for Week 11 Stands at 95%

SUSPECTED OUTBREAKS IN 2019

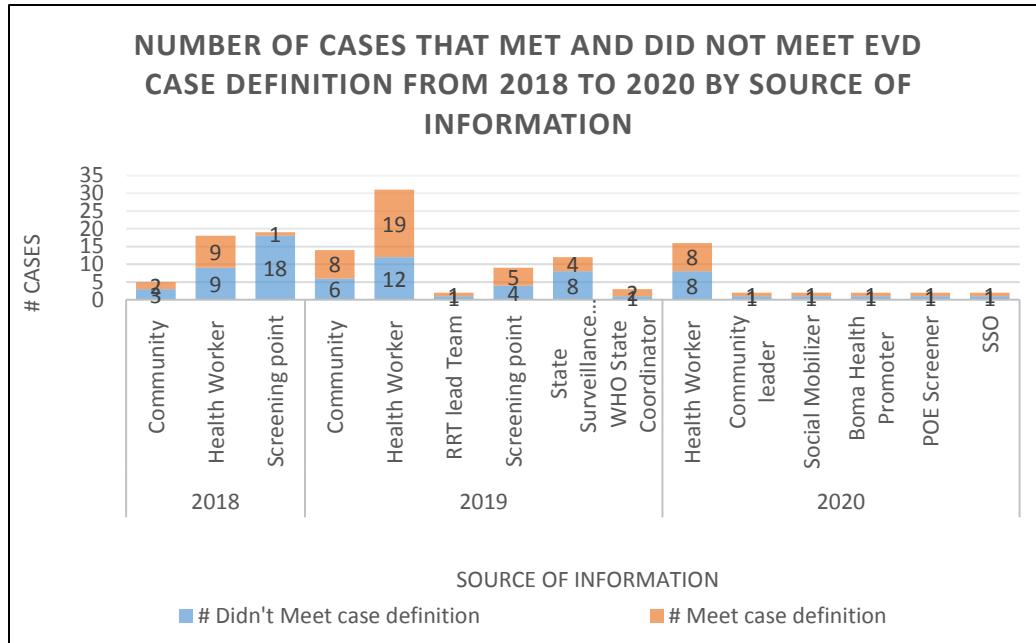
Major suspected outbreaks in South Sudan in
2020

EVD Suspect cases in South Sudan 2018 and 2019 as of week 11, 2020

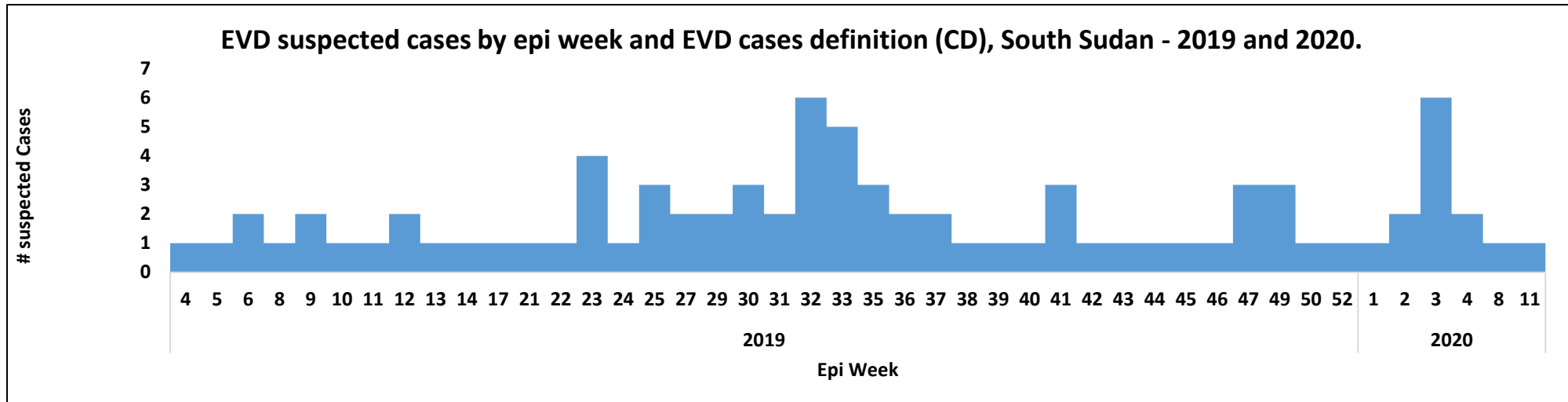
Met EVD cases definition			
2018	30	12	42
Community	3	2	5
Health Worker	9	9	18
Screening point	18	1	19
2019	32	39	71
Community	6	8	14
Health Worker	12	19	31
RRT lead Team	1	1	2
Screening point	4	5	9
State Surveillance Officer	8	4	12
WHO State Coordinator	1	2	3
2020	13	13	26
Health Worker	8	8	16
Community leader	1	1	2
Social Mobilizer	1	1	2
Boma Health Promoter	1	1	2
POE Screener	1	1	2
SSO	1	1	2
Grand Total	75	64	139

- Since August 2018, at least 139 suspect EVD cases have been reported, of which:
- 26 (18.7%) have been reported in 2020
- Most of the suspect EVD cases have been reported by health workers at health facility level
- One alert was reported in week 11, 2020

EVD Suspect cases in South Sudan 2018, 2019 and 2020 as of week 11, 2020

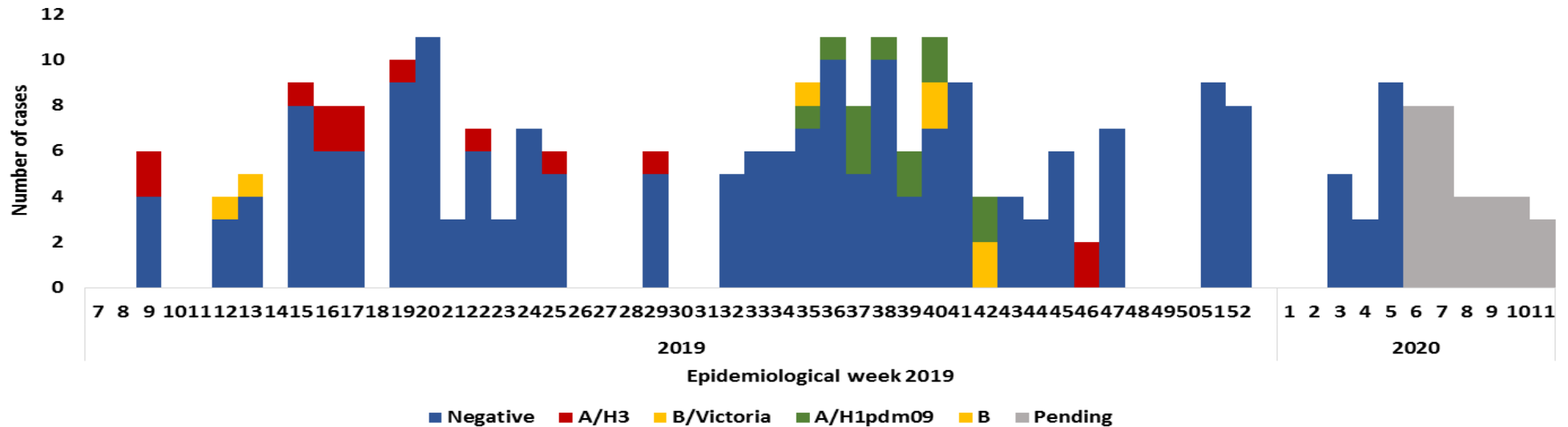


- Most of the suspect EVD cases have been reported in adults 18 years and above (72%)
- Similarly, most suspect EVD cases have been reported in males (56%)
- The distribution suspect EVD cases in both children <18years and adults ≥18yrs is skewed towards the males



Routine Sentinel Surveillance | Human Influenza

Influenza isolates from sentinel sites in Juba, wk 7, 2019 to wk 11, 2020.



- 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
- There are currently two designated Influenza sentinel surveillance sites in Juba (Juba Teaching Hospital and Al Sabah Children’s Hospital) that are collecting epidemiological data and samples from ILI/SARI cases
- Since week 7 of 2019, a total of 299 ILI/SARI samples have been collected and tested in UVRI 228 being negative; 6 (3%) positive for Influenza B (Victoria); 13(7%) positive for Influenza A (H3); and 12(6%) positive for Influenza A (H1)pdm09 and (20) samples are pending test results .
- Since the beginning of 2019; Influenza A (H3) has been the predominant isolate. However, Influenza A (H1)pdm09 emerged from week 35 as a new circulating strain.

Response | Suspect epidemics; Current Malaria trends 11, 2020

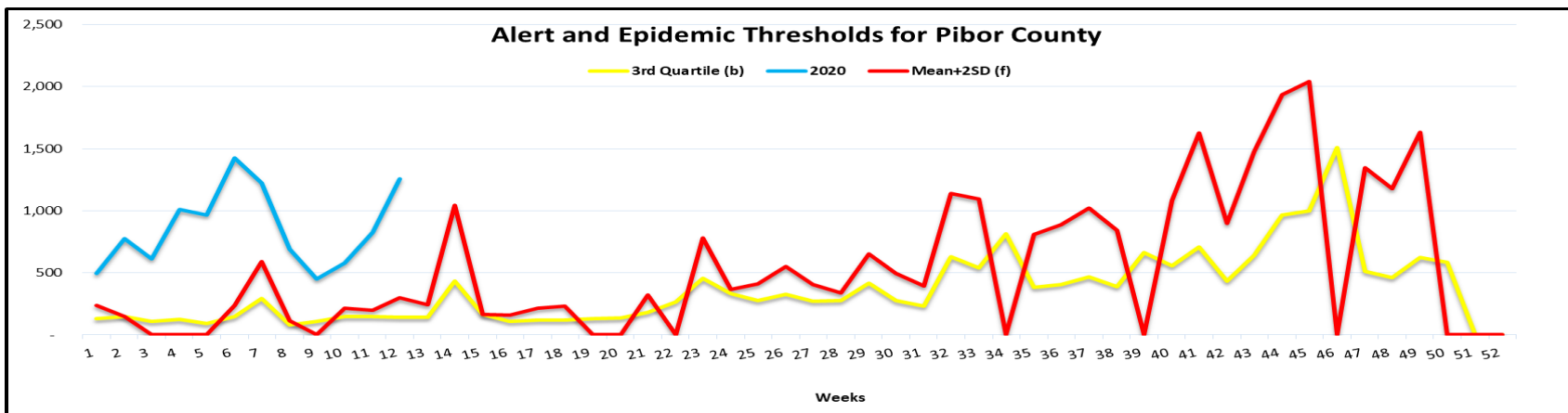
Malaria was the leading cause of morbidity and mortality, accounting for **50.1%** of all morbidities and **62.2%** of all mortalities in week 09, 2020

There is 2 Counties with malaria trends that exceeded the threshold (third quartile of trends for the period 2013-2017) and these include the following:

1. **Unity hub (Rubkona)**
2. **Bor hub (Pibor)**

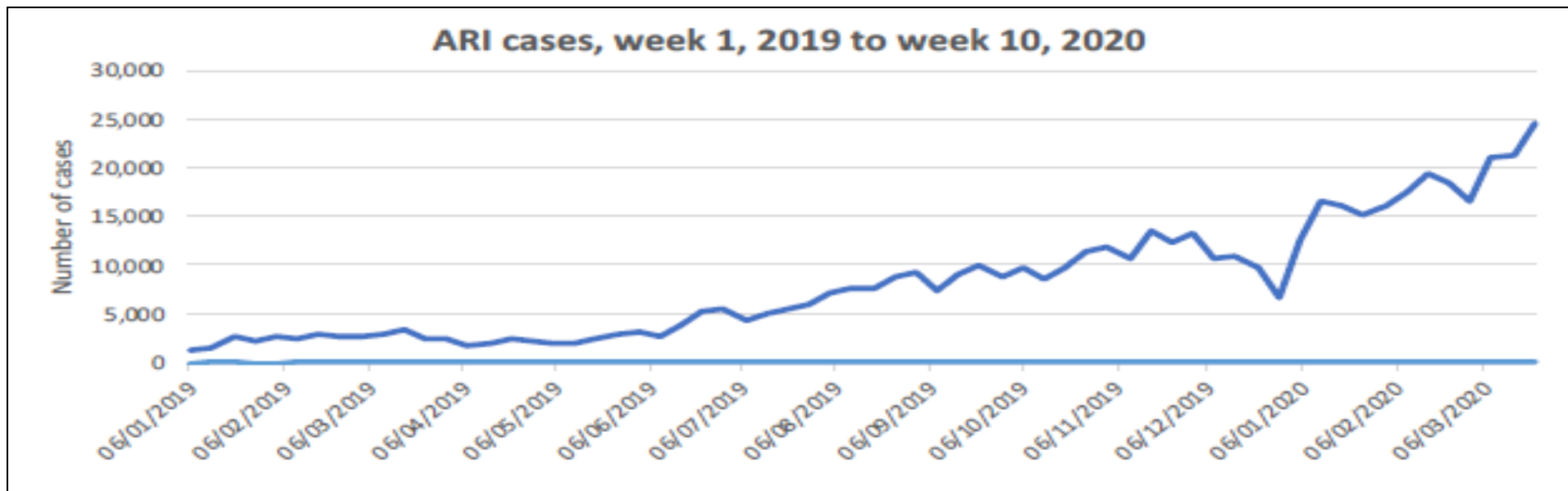
Proposed public health actions:

1. Malaria taskforce of malaria technical working group meeting to ensure that operational readiness for malaria prevention, diagnosis, and treatment are optimized.
2. Field missions to conduct technical verification of the trends in the affected counties
3. Assessment of current stock levels of malaria diagnostics (RDTs), medicines (ACTs), and LLINs.
4. Stocking up on malaria prevention (LLINs), diagnostics (RDTs), medicines (ACTs), and enhancing behavioral change communication for malaria prevention, prompt investigation and treatment



ARI Trends in South Sudan

National level ARI trends 2019-2020 (1)



ARI cases from week 1, 2019 to week 10, 2020:

- Rising ARI cases & proportionate morbidity from 2019
- Over 199,000 ARI cases reported countrywide in week 10
- This translates into proportional morbidity of 12%

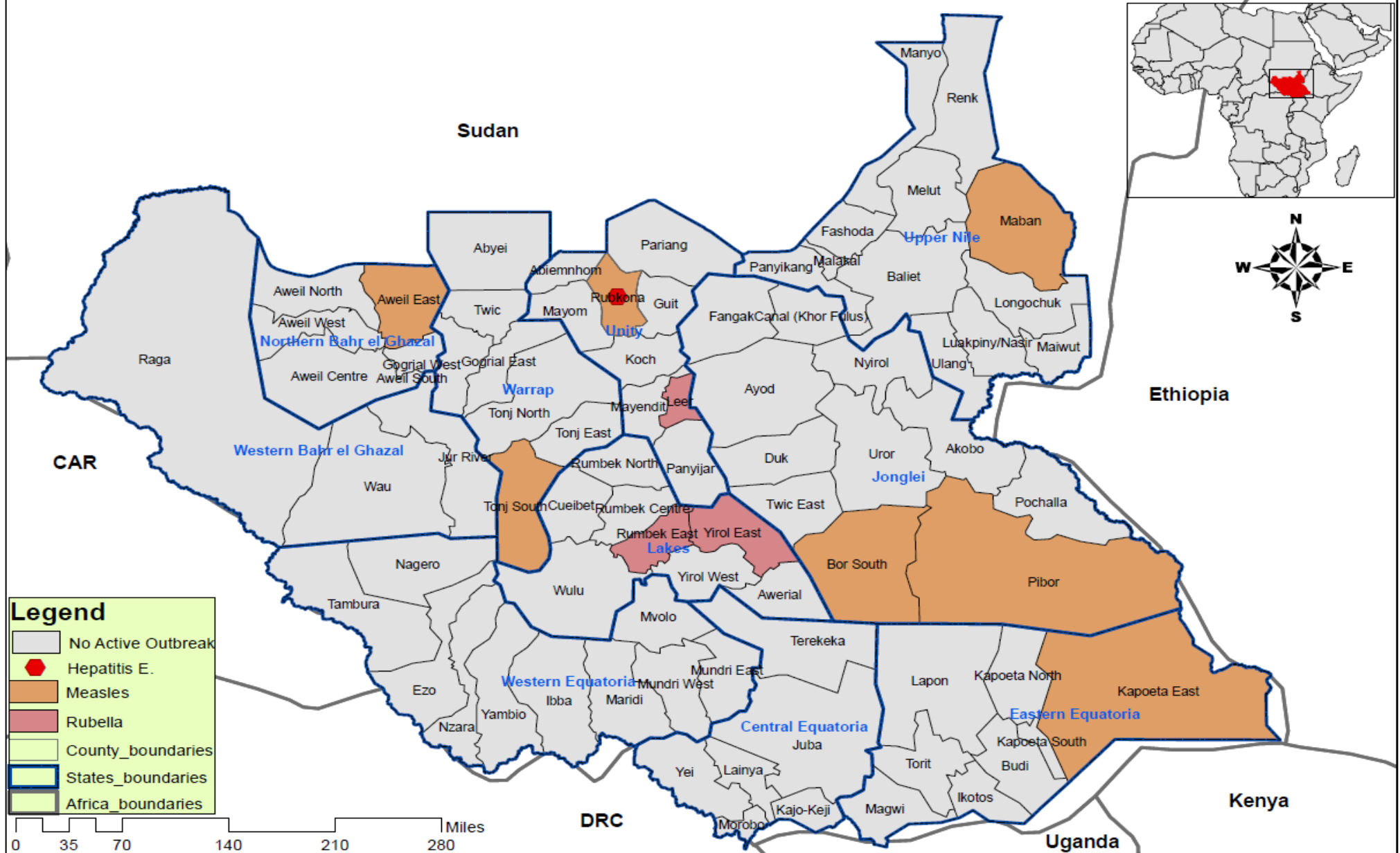
Conclusions and recommendations (2)

- Rising ARI trends nationally since beginning of 2020
- ARI proportional morbidity rising and higher than 20% in:
 - Western Bahr el Ghazal (Wau county)
 - Upper Nile (Malakal; Maban; Nasir)
 - Unity state (Rubkona; Pariang; Leer)
- ARI trends in the PoCs (UN House; Wau; Bentiu; Malakal) are normal
- Strengthen active case search for COVID-19 suspect case in states and counties with rising ARI trends and significant ARI cases.
- Strengthen COVID-19 active case search in IDP sites (Wau; Malakal and; Bentiu; Juba) and refugee camps
- Regular sampling of ILI/SARI cases for influenza and testing a sample for COVID-19 from the IDP sites; refugee camps and counties with rising ARI trends

ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

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

Map of South Sudan showing counties with active outbreaks of Measles, Rubella and Hepatitis E in 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.

Response | Summary of major ongoing outbreaks in 2019 and 2020

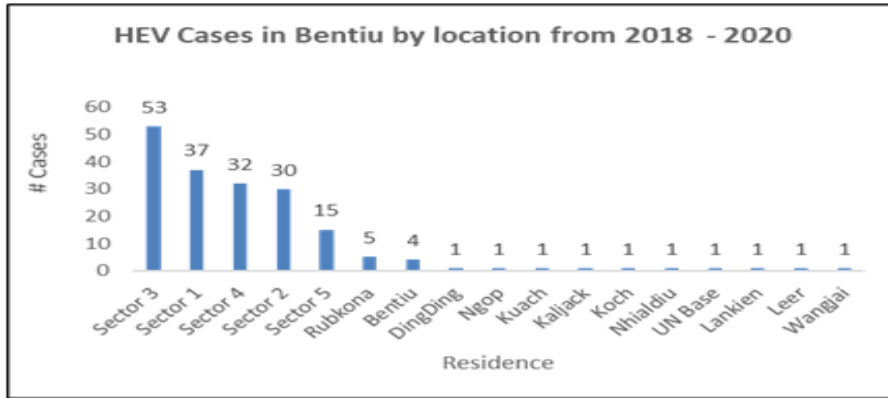
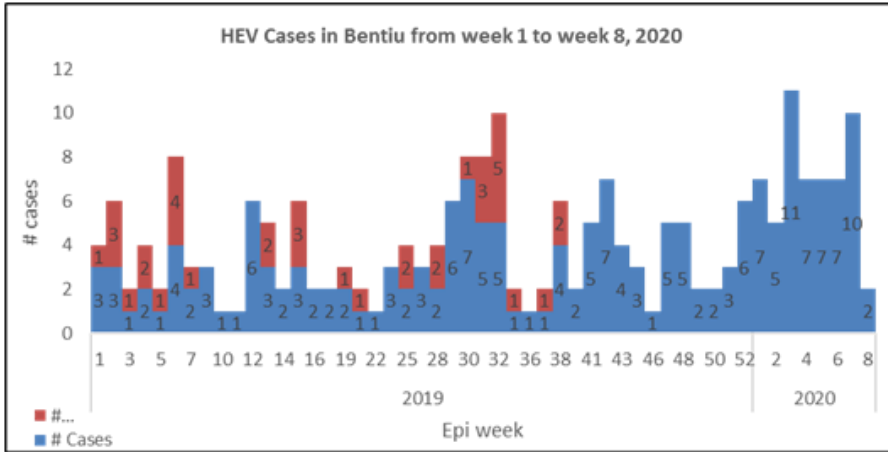
Aetiological agent	Location (county)	Date first reported	New cases since last bulletin	Cumulative cases to date (attack rate %)	Interventions			
					Case management	Vaccination	Health promotion	WASH
Ongoing epidemics								
Hepatitis E	Bentiu PoC	03/01/2018	1	213 (0.046)	Yes	No	Yes	Yes
Measles	Bentiu PoC	24/04/2019	5	395 (0.012)	Yes	Yes	Yes	N/A
Measles	Maban	1/11/2019	NR	139(0.007)	yes	No	Yes	N/A
Rubella	Rumbek East	17/9/2019	NR	23(0.35)	yes	No	Yes	N/A
Measles	Aweil East	02/01/2020	NR	205(0.009)	yes	No	yes	N/A

- **Measles outbreaks confirmed in 2020**
 - **5 counties – Tonj East, Magwi, Bor, Kapoeta East, Tonj South, Bor, Magwi, Tonj East, Kapoeta East and Tonj South**

Measles Outbreak situation & response by county as of week 09, 2020

S/N	County	Population	Confirmed cases	Probable cases	Total cases	Cases per 100,000	Total deaths	CFR %	Date first reported	Emergency Campaign	Admin Coverage	Implementing Partner	Status	Comments
1	Tonj East	180,809	13	48	61	33.73725865	0	0	12-Dec-19	Mass Campaign	Pending result	Mass Campaign	controlled	Mass Campaign Completed
2	Magwi	4699302	5	5	10	0.21279756	0	0	19-Sep-19	Mass Campaign	Pending result	Mass Campaign	controlled	Mass Campaign Completed
3	Bor	320,956	7	7	14	4.361968619	0	0	17-Jan-19	Mass Campaign	115.60%	Mass Campaign	controlled	Mass Campaign Completed
4	Kapoeat East	601,726	6	10	16	2.659017559	0	0	18-Jan-20	Reactive Campaign (Jebel Boma)	Reactive Campaign to start on 26 Feb 2020	IRC	active	Reactive Campaign completed in March 2020
5	Awiel East		10	195	205		0	0	2-Jan-20				active	
Total		5,201,067	41	265	306	40.97104239	0	0						

Confirmed Measles Outbreak in Aweil East County



Age Group	Cases	Percentage	Cum.%
0 - 4 Years	108	53%	53%
15 + Years	50	24%	77%
10 - 14 Years	25	12%	89%
5 - 9 Years	22	11%	100%
Grand Total	205	100%	

Descriptive Epidemiology:

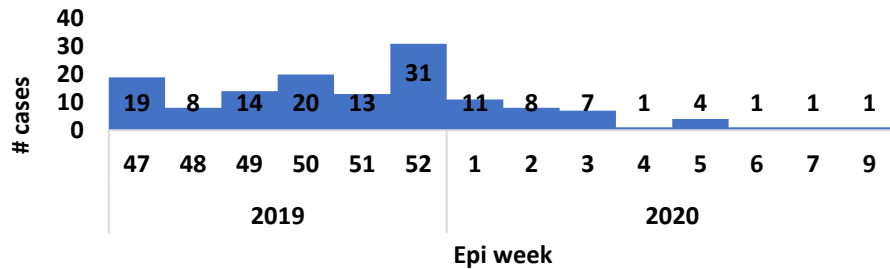
- Initial cases were reported on 2nd Jan, 2020
- A total of 205 suspected measles cases have been line listed in Aweil East county
- Majority of the cases were from Baac and Madhol payams
- 12 new cases were reported in week 09, 2020
- (108) 53% of the cases are less than 5 years of age
- Male were 59% of cases and female were 41%

Response and Recommendations

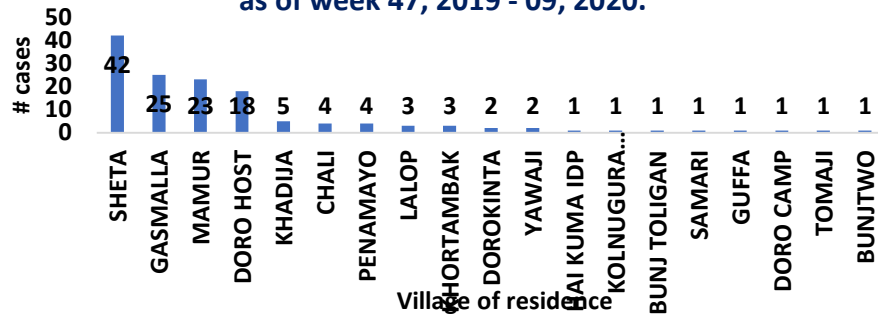
- Reactive campaign was finalized in Aweil East on 24th January, 2020 by SMOH and IOM, coverage was 119% and PCE coverage was 91.5%. Plans is ongoing for second reactive campaign.
- Majority of the cases reported this week were from Baac payam with administrative coverage of 73% which is not sufficient to interrupt transmission.
- Total of 21 samples were; 10 tested measles IgM +ve and 2 rubella IgM positive.
- Surveillance and line-listing are ongoing
- Case management is ongoing

Confirmed Measles Outbreak in Maban County

Epi curve for measles cases in Maban county as of week 47, 2019 - 9, 2020.



Measles cases in maban county by village of residence as of week 47, 2019 - 09, 2020.



Descriptive Epidemiology:

- Initial cases were reported on 1th November 2019
- A total of 139 Suspected Measles case have been line listed in Maban county
- 01 new case were reported in week 09, 2020
- 12 samples were collected of which, 11 samples tested positive for measles and (1) positive for Rubella IgM
- The most affected payams are: Sheeta and Gasmalla
- 77% of the cases are less than 5 years of age
- 46% of cases are females while 54% are male
- No deaths reported

Response and Recommendations:

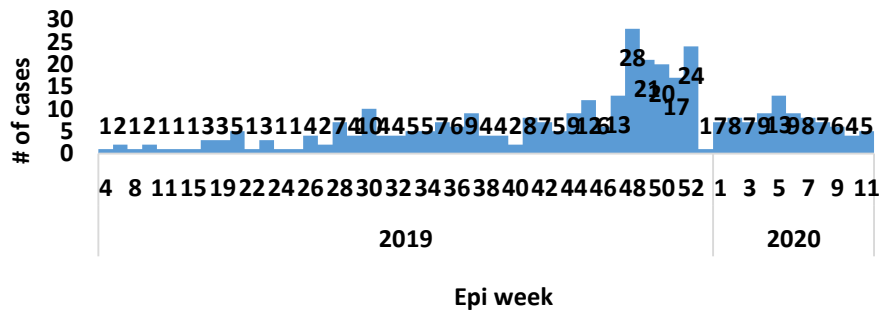
- Rapid response team deployed to support the response
- Reactive campaign micro plan has been developed for the whole county pending phase 2 mass campaign on 10th March 2020
- Surveillance and line-listing are ongoing
- Case management is ongoing
- SMoH, MSF-B conducted a reactive campaign on 4th Dec, 2019 targeted 7394 children age 6 months to 15 years in the affected areas in Maban with an average of 73.94%.

Age group	Cases	Percentage	Cum. %
0 - 4 Years	107	77%	77%
5 - 9 Years	15	11%	88%
10 - 14 Years	9	6%	94%
15+ Year	8	6%	100%
Grand Total	139	100%	

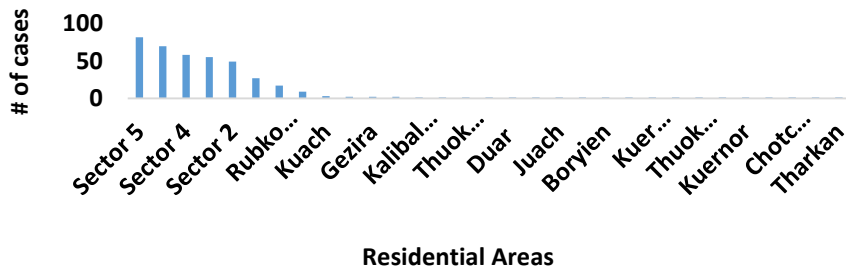
Response | Confirmed epidemics

Confirmed Measles and Rubella outbreak in Bentiu PoC

Measles cases in Bentiu from week 11, 2019 to week 9, 2020



Measles cases in Bentiu by Location from 2018 to 2020.



Age Group	Cases	Percentage	Cum. %
0 - 4 Years	375	95%	95%
5 - 9 Years	12	3%	98%
10 - 14 Years	5	1%	99%
15+ Years	3	1%	100%
Grand Total	395	100%	

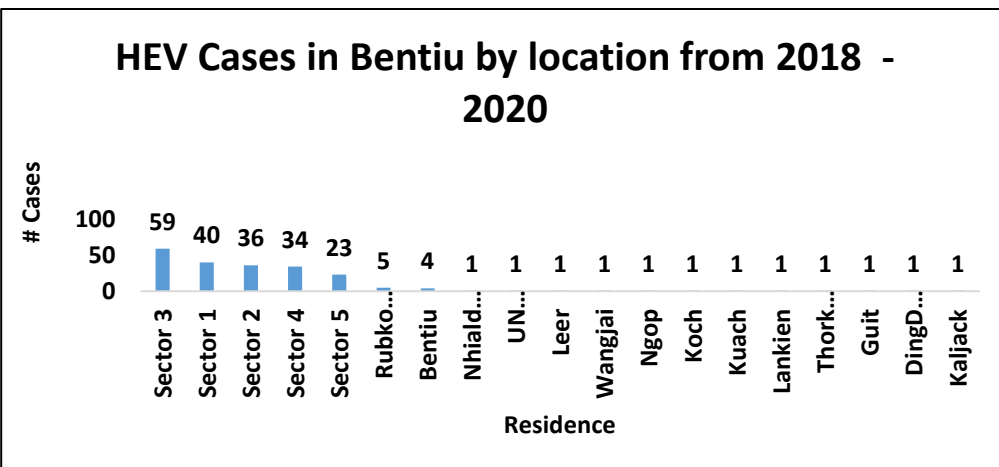
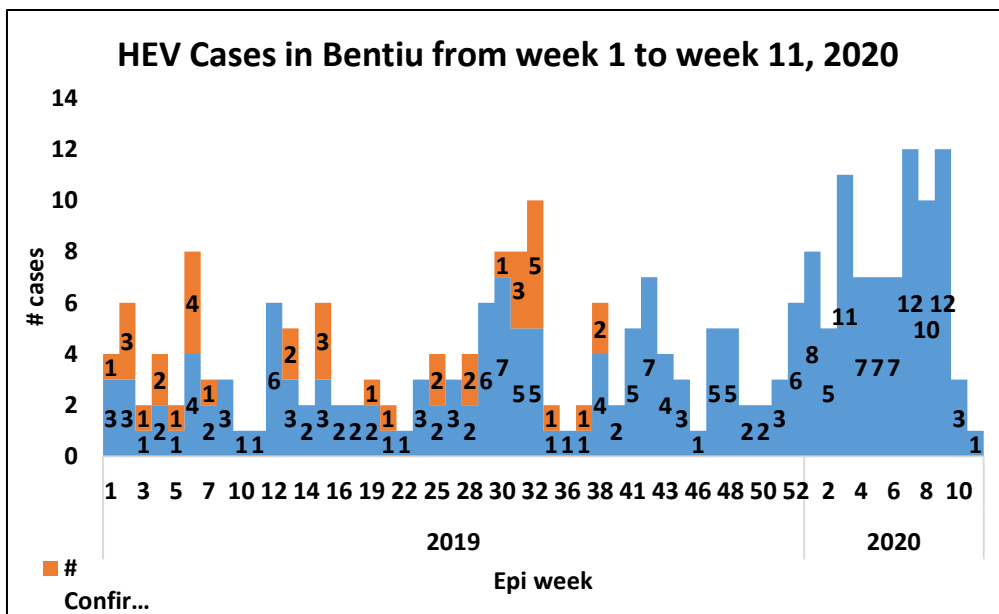
Epidemiological description

- Bentiu PoC has been reporting suspected measles/rubella cases since week 4 of 2019.
- 05 new cases reported in week 11, 2020
- At least 395 measles cases including 1 death (CFR 0.3%) reported since then.
- Cumulatively, 36 tested cases have tested measles IgM positive while 15 tested rubella IgM positive.
- 46% of cases are female and 54% are male
- 95% are under 5 yrs old, 5% are 5 yrs old and above
- Cases have been reported from inside and outside the PoC with most of the cases originating from the PoC (most cases from sector 5 but generally all the sectors are affected).

Response actions

- Several rounds of reactive campaigns were conducted in Bentiu IOM:
 - IOM completed a reactive campaign in Bentiu POC on 31 May 2019, with 21,285 children 6-59 months and coverage of 126% receiving measles vaccination. PCE was done by MoH & WHO, coverage was 74.6%.
 - Another campaign was conducted by SMOH, IOM and partners which was completed during the week of 20th January 2020 with coverage of 126%.
 - Partners advised to collect samples from suspect cases.
 - Review case details of new suspect cases to determine why they getting measles

Hepatitis E, Bentiu PoC (1)



Descriptive epidemiology

- The persistent transmission of HEV in Bentiu PoC continues with 213 cases since beginning of 2019
- There were (02) new cases reported in week 11, 2020
- All the cases were managed as outpatient cases except for seven cases who were admitted
- Two deaths one on 12th, April 2019 and the second on 11th July 2019
- 50% are female and 50% are male.
- Age group less than 15 years had the most cases with (76%) 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 8, 2020; there were 46 cases of HEV in Bentiu PoC including 2 deaths (CFR 0.27%)

Age-Group	Alive	Dead	Grand Total	Percentage	CFR	Cum. %2
1 - 4 Years	69		69	32%	0%	32%
10 - 14 Years	37		37	17%	0%	50%
15+ Years	50	2	52	24%	4%	74%
5 - 9 Years	54	1	55	26%	2%	100%
Grand Total	210	3	213	100%	0.01	

Hepatitis E, Bentiu PoC (2)

Updates:

- Every AJS patient received a package of hygiene kit and MSF is doing follow up to the patients every week for period of three weeks.
- •The community engagement and community awareness on HEV key messages are ongoing and are mainly concentrating of Personal hygiene like: washing hand always and use of latrines.
- •The work on backfilling the two ponds is ongoing and the small pond is likely to finish, but the work in other big pond still ongoing and the clear update will be provided by CCM Cluster in next meeting (IOM CCM Cluster was absent during the meeting).
- •The distribution of some WASH/NFIs kits to the affected families is ongoing.
- •There is still a big gap in water storage in the HH level and the WASH Partners has only 3000 water storage buckets which not be enough for estimated 31,000 HH, Therefore the WASH are planning looking of other solution to distribute collapsing Jerrycans with the obstacles the community will not accept the last option.
- •The working on installation of hand washing facilities is ongoing (Wash partners will provide the statistics in next meeting, the number of hand washing facilities installed).

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 threats of COVID -19 Pandemic Outbreak, WASH partners should increase the coverage of hand washing facilities within the PoCs community ASAP.
- 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

Response | Summary of major controlled outbreaks in 2019 and 2020

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	6	61(0.98)	yes	Yes	Yes	N/A
Measles	Bor	17/01/2020	3	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

EBOLA VIRUS DISEASE[EVD] PREPAREDNESS IN SOUTH SUDAN

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

Ebola update DRC 24 March 2020

Current situation

- Currently as of 22 March 2020
- 3453 Cases [3310 confirmed & 143 probable]
- 2273 Deaths [2179 confirmed & 94 probable]

Response update

- 1 August 2019 marked one year since the Government of the Democratic Republic of the Congo declared the Ebola outbreak

Affected health zones

- No new cases of Ebola virus disease have been reported since 17 February 2020, and on 3 March 2020, the only person confirmed to have EVD in the last 21 days was discharged from an Ebola Treatment Centre after recovering and testing negative twice for the virus.

Novel Coronavirus

Novel Corona Virus Situation Summary

- Situation update as of 2nd April, 2020

SITUATION IN NUMBERS

total (new) cases in last 24 hours

Globally

896 450 confirmed (72 839)
45 526 deaths (4924)

Western Pacific Region

107 626 confirmed (1204)
3723 deaths (22)

European Region

503 006 confirmed (38 809)
33 604 deaths (3515)

South-East Asia Region

5324 confirmed (149)
216 deaths (21)

Eastern Mediterranean Region

58 168 confirmed (3887)
3280 deaths (165)

Region of the Americas

216 912 confirmed (28161)
4565 deaths (1165)

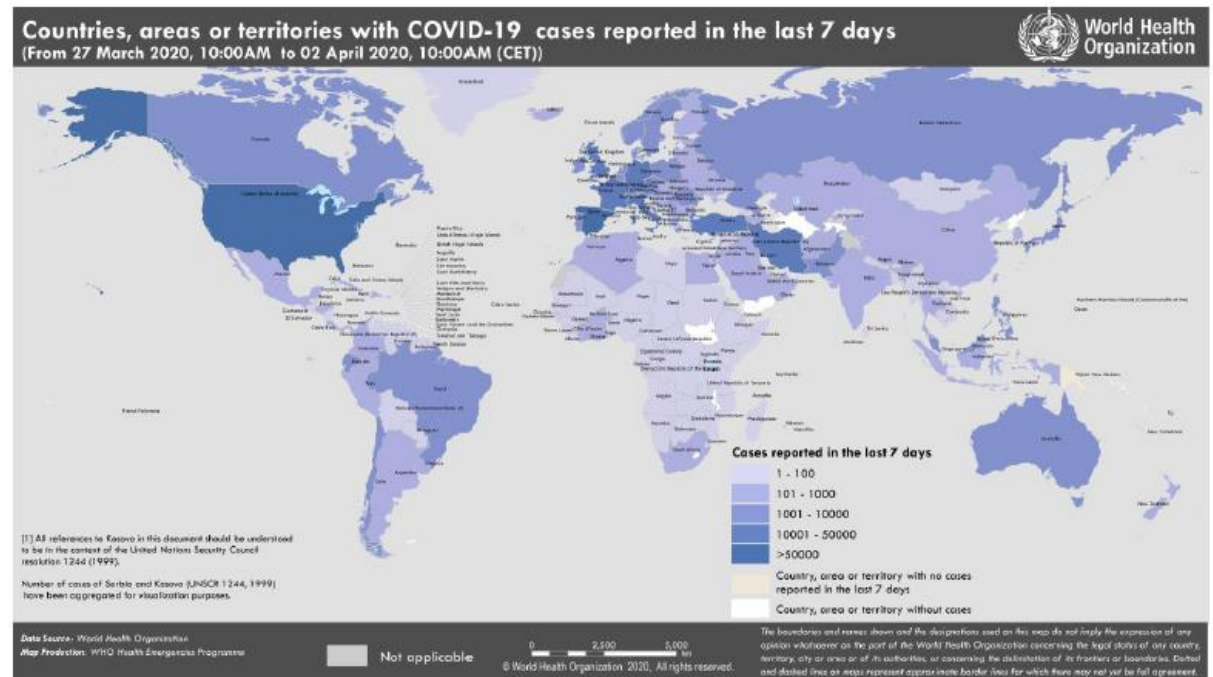
African Region

4702 confirmed (629)
127 deaths (36)

WHO RISK ASSESSMENT

Global Level Very High

Figure 1. Countries, territories or areas with reported confirmed cases of COVID-19, 2 April 2020



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

COVID-19 Preparedness in South Sudan

- No confirmed COVID-19 cases in South Sudan
- Total of 26 alerts were investigated and all tested negative for COVID-19
- The national and high-level COVID-19 taskforce committees are coordinating current response
- The national COVID-19 preparedness plan costed at \$10.8 million is approved & passed for implementation
- Implementation of priorities; risk communication; active case search and testing; quarantine for contacts; infection prevention and control; and management of cases are currently underway

Overall Conclusions and Recommendations for week 10, 2020

Conclusion

- The overall IDSR and EWARN reporting performance in week 10, surpasses the target of 80%. All 10 states were above 80%
- With five outbreaks confirmed in 2020; measles remains the most frequent vaccine preventable disease
- Cholera has been ruled out in Pibor, but it is critical that underlying WASH causes are addressed
- Yellow fever is confirmed in Kajo-keji and plans for reactive vaccination are underway
- Given the COVID-19 pandemic, it is critical that measures are stepped up to detect, test, and isolate cases, quarantine contacts and communicate COVID-19 risk and prevention

Recommendations

- All partners should support CHDs & HF in Upper Nile and other states to improve IDSR/EWARN reporting
- All partners should support Government to optimize the implementation of the measles control strategy
 - Initiate response to contain measles transmission in Aweil East; Maban; & Bentiu PoC
- Finalize and submit the yellow fever reactive campaign vaccine request to ICG
- Strengthen national capacities for COVID-19 preparedness and response readiness

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>

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

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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>

