

**Republic of South Sudan**



**Ministry of Health  
Public Health Emergency Operations Center (PHEOC)  
For More Information, please call 6666  
PUBLIC HEALTH EPIDEMIOLOGICAL EVENTS DAILY UPDATES**

DATE: 30<sup>TH</sup> / NOVEMBER / 2020

TIME: 11:32 AM

**1. COVID-19 PANDEMIC SITUATION UPDATES.**

**1.1 Globally:**

- Total confirmed cumulative cases to date is **62,739,306** and **1,459,318** deaths with **40,127,824** total recoveries have been recorded with over **57,000** healthcare workers infected to date
- **Three leading countries in the world with highest COVID-19 cases being.**
  - **USA:** total cumulative cases of **13,383,321** and **266,873** deaths with **5,065,030** recoveries.
  - **India:** total cumulative cases of **9,431,691** and **137,139** deaths with **8,847,600** recoveries.
  - **Brazil:** total cumulative cases of **6,314,740** and **172,833** deaths with **5,581,436** recoveries.

**1.2 Africa:**

Total confirmed cumulative cases to date **2,163,284** and **51,708** deaths with **1,831,435** total recoveries have been recorded with over **7,000** healthcare workers infected to dated

**2 Three leading countries in Africa with highest COVID-19 cases being;**

- **South Africa;** total cumulative cases of **787,702** and **21,477** deaths with **730,633** recoveries.
- **Morocco;** total cumulative cases of **353,803** and **5,789** deaths with **302,314** recoveries.
- **Egypt;** total cumulative cases of **115,541** and **6,636** deaths with **102,596** recoveries.

**1.3 Countries bordering South Sudan:**

- **Sudan:** total cumulative cases of **17,404** and **1,235** deaths with **10,175** recoveries.
- **Uganda:** total cumulative cases of **20,145** and **201** deaths with **8,989** recoveries.
- **Kenya:** total cumulative cases of **83,316** and **1,452** deaths with **54,975** recoveries.
- **Ethiopia:** total cumulative cases of **109,534** and **1,700** deaths with **69,315** recoveries.
- **DRC:** total cumulative cases of **12,702** and **333** deaths with **11,585** recoveries.
- **CAR:** total cumulative cases of **4,913** and **63** deaths with **1,924** recoveries.

#### 1.4 South Sudan:

- **3,109** confirmed cumulative cases to date with **61** deaths and **2,954** cumulative recoveries.
- **138** healthcare workers infected to date.
- **9,394** cumulative contacts including those under follow up and those that completed the follow up.

**Table 1 shows COVID-19 Situation daily alert updates in South Sudan.**

Number of alerts received on the hotline	2
Number of alerts received outside of the hotline	0
Number of cumulative alerts that fulfilled suspect case definition	2
Number of suspect cases responded by the NRRT	2
Number of suspect cases responded by the SRRT	0
Number of samples collected from above	2
Number of alerts that was discarded	0
Number of samples collected from contacts	0
Number of samples collected from sentinel sites	0
Number of samples collected by case management	0
Number of samples collected from screening	300
Number of alerts pending investigation	0
Number of community deaths received	0
Number of community deaths responded to by the NRRT.	0
<b>Total Number of alerts today</b>	<b>2</b>

## COVID-19 States Updates and challenges

Table 2 showing states COVID-19 updates and challenges

s/no	States	Cases (total cases, deaths, and recoveries)	Number of isolation facilities	Testing site availability	challenges	Others
1	CES	2427	2	21	-shortage of VTM(Yei) -no incentive for RRT(Yei)	
2	WES	4	1	1		
3	EES	51	9	3	-delayed incentives for RRT since July(Torit) -PPE shortage(Nimule)	
4	Jonglei	84	1	1		
5	Upper Nile	115	2	2		
6	Unity	14	3	2	No transport mean for RRT(Bentiu)	
7	Lakes	34		1		
8	WBEG		1	1	-no incentive for RRT(Wau) -no fuel for RRT car(Wau)	
9	NBEG	12	1	1		
10	Warrap		2	2		

## 2. EVD SITUATION UPDATES:

### A. Regional Updates:

#### 1. DRC Updates

Wed, 18 Nov 2020 14:54:49 -0500

Ebola -- DR Congo

Today [18 Nov 2020] marks the end of the 11th Ebola outbreak in the Democratic Republic of the Congo (DRC), nearly 6 months after the 1st cases were reported in Equateur Province. The outbreak took place in communities scattered across dense rain forests as well as crowded urban areas, creating logistical challenges. These were surmounted due to the leadership of the government and local communities, supported by the World Health Organization (WHO) and partners.

WHO congratulates responders.

## B. South Sudan Updates:

As of today, there are **133 total alert received** with one under investigation as describes below VHF Alert in Nzara: 4 years old female child, a south Sudanese from Baakpara Village of Nzara County. SRRT was activated, one blood sample was collected and send to Juba Results came out on 29th October negative for EVD and Marburg. VHF Alert in Yambio; RRT was activated, samples were collected and Results came out on 29th October negative for EVD and Marburg.

South Sudan have updated the EVD readiness checklists

## 3. South Sudan IDSR SITUATION UPDATES:

Table showing Alerts by Event and State Hub for week 46, 2020 is as summarized in the below table; this alerts are for week 46 and will be updated weekly.

State	Type of alerts									Total alerts
	ARI	AW D	AFP	BD	Malaria	COVI D-19	Measle s	Neonatal Tetanus	Guinea Worm	
CES	4	4	0	1	1	0	0	0	0	<b>10</b>
EES	0	2	0	5	1	0	0	0	0	<b>8</b>
WES	1	6	0	3	18	1	1	0	0	<b>30</b>
Jonglei	8	5	0	4	5	1	0	0	0	<b>23</b>
Upper Nile	4	2	0	3	3	0	1	0	0	<b>13</b>
Unity	0	0	0	0	0	1	0	0	0	<b>1</b>
Lake	3	3	0	0	0	0	0	1	0	<b>7</b>
WBEG	1	1	0	0	1	0	0	0	1	<b>4</b>
NBEG	1	0	0	0	0	0	0	0	0	<b>1</b>
Warrap	0	2	1	6	3	1	0	0	0	<b>13</b>
Other Areas	0	1	0	1	1	0	0	0	0	<b>3</b>
<b>Total alerts</b>	<b>22</b>	<b>26</b>	<b>1</b>	<b>23</b>	<b>33</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>113</b>

### 3.1 Alert summary:

#### During this week:

- **22 ARI alert: 12** undergoing verification and **10** investigated
- **26 AWD alert: 16** are undergoing verification and **10** investigated

- **23 ABD alert: 15** undergoing Investigation and **8** investigated
- **33 Malaria alerts: 8** are undergoing verification and **25** investigated
- **4 Covid-19 alert:** All investigated
- **2 Measles alert:** investigated
- **1 AFP alert:** under Monitoring
- **1 Neonatal Tetanus alert:** investigated
- **1 Guinea Worm alert:** investigated

### **Morbidity & mortality trends**

- The overall national trend for ARI in 2020 is higher than 2019, the trend shows a slide decline in week 47,2020 compared to week 46 of 2020
- This week 47,2020, there are 7 Counties with malaria trends that exceeded the threshold (third quartile of trends for the period 2013-2017) and these include the following Kuajok (Gogrial West, Tonj North), Juba hub (Juba), Aweil hub (Aweil East, Aweil North), Bentiu hub (Rubkona), Wau hub (Wau)
- Malaria is the top cause of morbidity in Bentiu PoC and accounts for 47% of OPD consultations when compared to 54% in week 46, 2020
- ARI is the second top cause of morbidity with cases being on the increase for the past two weeks and remains the top cause of morbidity in Malakal PoC, accounts for 34% of OPD consultations when compared to 28% in week 46, 2020 due to zero reporting
- Malaria and AWD are the second top causes of morbidity with cases being on the increase for the past two.

### **Suspected viral hemorrhagic fever in Leer County Unity State**

- On 16 Nov.2020, MSF clinics in Leer, admitted an 11-year-old boy with painful joints, fever and nosebleed for 5-6 days, he was reported no fever or nosebleeds since his admission and he was not very sick
- And then later 17th 11/2020 they admitted a quite sick young adult male who has been having fever and nosebleeds + vomiting blood since 16/11/2020. He is also bleeding from his cannula quite easily. Malaria test was negative.
- On 17th /11/2020 evening, they also admitted an 11 year old boy with fever for a week, jaundice for a week and vomiting blood and bloody stool since 1-2 days. Is from another part of Mayendit than the Rubkuay patient. No other people with fever and bleeding. Was treated for malaria elsewhere, RDT for malaria was negative in MSF clinic.

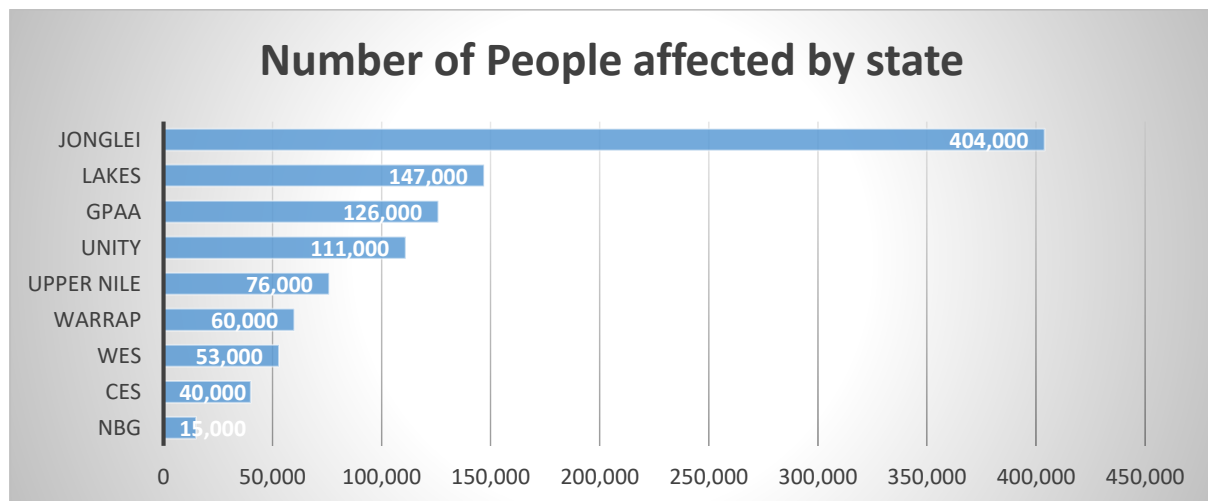
- Later on 17th Nov. 2020, the CO and nurse saw bleeding from the gums. T 37.9, tachycardic, normal respiration rate, sat. 97% on air. RBS was low, normal after correction. Samples was collected and send to Juba for confirmation
- And the results came out negative for RVF, YF, EVD.

### 3.2 Outbreaks Updates

#### Flood:

Since early July 2020, South Sudan has been experiencing heavy rainfall and rising water levels along the River Nile, Pibor, and Sobat river.

- Damage properties, farms, and large scale displacement.
- No Flood related deaths have been reported this week.
- No health facility damage has been reported.
- Multi-cluster flood responses are ongoing in flood-affected Counties.
- No new flooding event has been flagged.
- Over 1,034k flood-affected people, 481k flood-displaced people with 43 flood affected counties and 271k people target for life-saving response in priority 1 while 192k people target for life-saving response in priority 2 locations.



#### Priority 1 Area

Juba -Gondokoro, Jebel Lado, Mangala, Rajaf., Ayod, Bor South, Duk, Nyirol, Twic East, GPAA, Awerial, Cueibet, Rumbek East, Leer, Mayendit, and Panyijjar

#### Priority 2 Area

Juba –Terekeka, GPAA – Larab, Akobo East, Fangak, Pochalla, Urur, , Rumbek Centre, Yirol East, Yirol West, Aweil West, Aweil North, Koch, Pariang, Fashoda, Nasir, Renk, and Ulang, Mundri East, and Mundri West

### **Priority 3 Areas**

Canal/Pigi, Wulu, Abiemnom, Mayom/Mankien, Baliet, Longochuk, and Maiwut, Ibb, and Meridi

### **Health Response**

- 617,000 people targeted through the health response.
- 56,754 people in need of health response reached.

### **Challenges/Gaps**

- Insecurity.
- Transport –roads are impassable due to flooding.
- Communication.
- Funding to support flood response.
- Shortage of medical supplies and emergency health kits.

### **Measles**

Measles outbreaks confirmed in 2020, 8 counties – Tonj East, Magwi, Bor, Kapoeta East, Tonj South, Wau, Pibor and Ibba

### **Locations with ongoing measles transmission**

- Pibor County

### **New confirmed measles outbreak:**

- Ibba County/WES
- Wau county/ WBGZ

### **Measles in Pibor GPAA**

- 355 cases as at week 47,2020
- deaths (related to other comorbidities)
- >90% children <5 years

- Some locations are being accessed from Juba

### **Measles outbreak in IBBA**

- 36 cases (week 41-43)
- 24 (67%) cases 5 and above years old
- 37/36 cases (97%) from Manikakara; other affected location is Manidebe
- positive cases, outbreak confirmed in week 45
- No deaths reported

### **Measles outbreak in Wau, WBG**

- 39 cases (no deaths) in total from epiweek 1 to 43
- More than (59%, 23/39) are children <5 years
- 62% (24/29 cases) are female
- Residence: Wau 25 cases, Raja 5cases and Jur River 9 cases
- 27/39 (69%) of cases are zero doses
- 4/39 (10%) were managed as inpatients
- WBG had conducted measles follow up campaign early 2020

### **Response**

- State responded to an earlier outbreak confirmed in June by conducting focused outbreak response where the affected locations were targeted for outreaches and enhanced RI and surveillance.
- The current measles situation is to be discussed today in the monthly health & nutrition sector coordination meeting in the state.

### **Target:**

Pibor and verteht done, ongoing in Lekuangule

Mop up to be considered based on the administrative coverages

Some villages were not reached, requires to be revisited once reachable

### **State conducted outbreak investigations**

- Decreasing RI immunization coverages; 122 %, 98 % and 51% for 2018, 2019 and 2020 respectively



- Cold chain equipment at Manikara PHCU is faulty
- large number of number of children missed vaccination in 2020 vs 2019
- Attributable to pandemic and human resource limitation, limited cold chain coverage
- Shortage fund to recruit vaccinators(only one vaccinator per facility)
- No strong Supportive supervision from county to health facilities

### **Recommendations**

- Intensifying surveillance, notification and investigation of the outbreak
- Reinforcement of routine immunization system (Action Africa help (AAH));
- Repair of cold chain equipment: UNICEF
- Case management for clinically compatible cases
- Amerf to recruit more vaccinator
- Enhance the already existing social mobilization activity and expand to all payams
- Measles follow up campaign, achieved 99% early 2020

### **Hepatitis E Virus**

#### **Suspected HEV Outbreak in Abyei**

- 26 cases cases in total
- Age-group: 1/26 <5 yearold
- 18/26 (69%) are male
- Pregnant women: None
- death (24 & 32 years)
- Rumammer has 15/26 (58%) cases, other locations are Turalei, Abienmhom, Abyie

#### **Response**

- State RRTs have been deployed to conduct an outbreak investigation, collect samples for laboratory confirmation
- WASH assessment and water quality testing to be carried out by WASH cluster partners on the ground
- Health partners and facilities to provide case management paying attention to pregnant mothers and patients with underlying liver diseases who are likely to develop severe disease and poor outcomes

### **Polio**

## **OPV Vaccination Updates in WES**

- The opv campaign began on 12/11/2020 and ended on 15/11/2020
- Six counties had been targeted for SNIDs (Yambio, Nzara, Ezo, Mvolo, Tombra and Nagero)
- Total Target population is 136,597 children, age group from 0 to 59 months old
- Call in Data for 4 days received so far is 26,954 vaccinated with OPV (more data are yet to be received)
- OPV Vaccination Campaign conducted in WBeGz
- The campaign started from 10th – 13th Nov 2020) targeting (118,575) child under 5 in the whole state
- The preliminary data received as a coverage is (69,346) an equivalent to 59.2% coverage., more data are still coming in from the fields

### **Challenges:**

- Poor coverage reported from some areas due to shortage of vaccination team
- Inaccessibility to some areas due to bad roads /flooded roads (Raja-SiraMulaga)
- Supportive supervision for the campaign did not take place in some areas in Jur River county due to insecurity
- Marker pens delivered to the state for the campaign are dry which are not leaving behind a mark on the fingers

## **Oral Cholera Vaccination (OCV) in Pibor and Bor County**

- Preparations are underway to conduct an OCV campaigns in both Bor and Pibor counties of Jonglei state.
- The OCV campaign in Pibor will target 93,250 people across all payams of Pibor County.
- In Bor County the campaign will target 74,846 individuals.
- The OCV campaigns are part of outbreak prevention activities in flood-affected Counties.
- The date onset for the first cases was on 11/06/2020, while the most recent case was on 13/09/2020, On 4 September 2020, South Sudan received a notification from Ugandan Virus Research Institute about the isolation of Polio Virus Type 2(PV2) from 3 AFP samples, with the sequencing result received on 17 September confirmed cVDPV2 in

two cases in Jur Rivers County, Western Bahr el Ghazal State and one case in Tonj North County, Warrap State.

- An additional 12 PV2 cases were reported between 5 to 15 October in four states: Warrap State 4 cases, (1 in Tonj North and 3 in Gogrial West), Western Bahr El Ghazal state 5 cases: (3 in Jur river and 2 in Wau), Northern Bahr El Ghazal State (1 case in Aweil West) and Lakes State (1 case in Cubeit); Eastern Equatoria state 1 case (1 case in Torit).
- The date of onset for the first cases was on 11 June 2020, while the onset for the most recent case was on 13 September, 2020.

Compiled by the Watch Team

PHEOC Watch Office desk at [sspheoc@gmail.com](mailto:sspheoc@gmail.com)