South Sudan

Integrated Disease Surveillance and Response (IDSR)

Annexes W5 2018 (Jan29 - Feb04)



Access and Utilisation

Slide 2	Map 1 Map of consultations by county (2018)

Indicator-based surveillance

Slide 3	Figure 1 Proportional mortality
Slide 4	Figure 2 Proportional morbidity
Slide 5	Figure 3 Trend in consultations and key diseases

Disease trends and maps

Malaria	
Slide 6	Trend in malaria cases over time
Slide 7	Malaria maps and alert management

Acute Watery Diarrhoea (AWD)

Slide 8	Trend in AWD cases over time
Slide 9	AWD maps and alert management

Bloody diarrhoea

Slide 10	Trend in bloody diarrhoea cases over time
Slide 11	Bloody diarrhoea maps and alert management

Measles

2

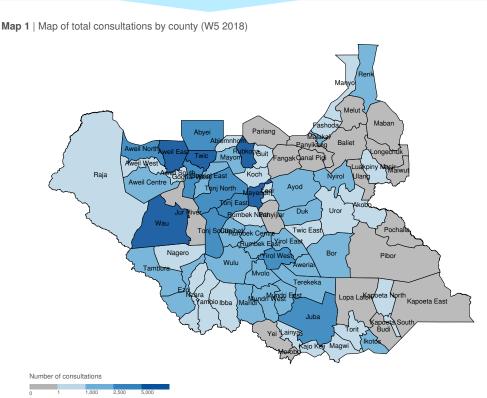
Slide 12	Trend in measles cases over time
Slide 13	Measles maps and alert management

Sources of data

1. Weekly IDSR Reporting Form

2. Weekly EWARS Reporting Form

Access and Utilization | Map of consultations by county



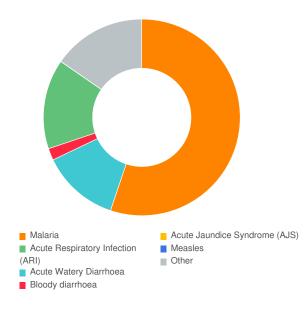
Hub	W5	2018
Aweil	16,002	86,759
Bentiu	16,403	61,374
Bor	8,837	52,060
Juba	5,726	45,010
Kwajok	26,413	108,852
Malakal	5,462	34,838
Rumbek	13,337	75,125
Torit	3,713	18,922
Wau	5,481	32,095
Yambio	11,988	
South Sudan	113,362	572,000

World Health Organization South Sudan

Data under review

Proportional morbidity

Figure 2 | Proportional morbidity (2018)

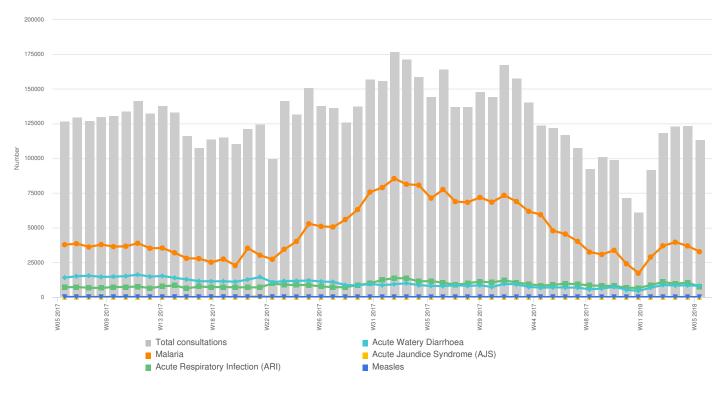


Syndrome	W5		2018						
	# cases	% morbidity	# cases	% morbidity					
Malaria	32,683	55.9%	175,954	55.2%					
ARI	7,517	12.8%	47,085	14.8%					
AWD	8,106	13.9%	40,612	12.7%					
Bloody diarrhoea	1,319	2.3%	6,285	2.0%					
AJS	0	0.0%	58	0.0%					
Measles	4	0.0%	53	0.0%					
Other	8,885	15.2%	48,966	15.3%					
Total cases	58,514	100%	319,013	100%					

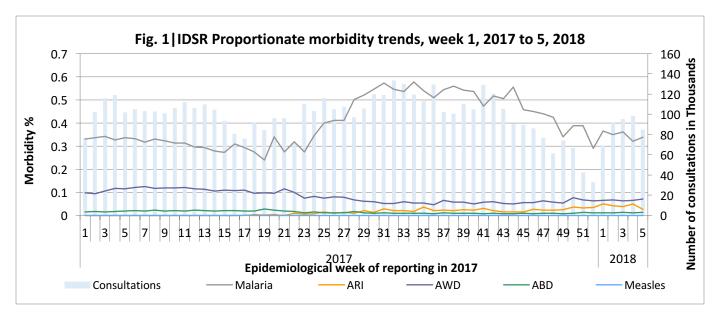


Trend in consultations and key diseases

Figure 3 | Trend in total consultations and key diseases (W5)



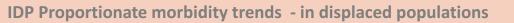
IDSR Proportionate morbidity trends - in relatively stable states

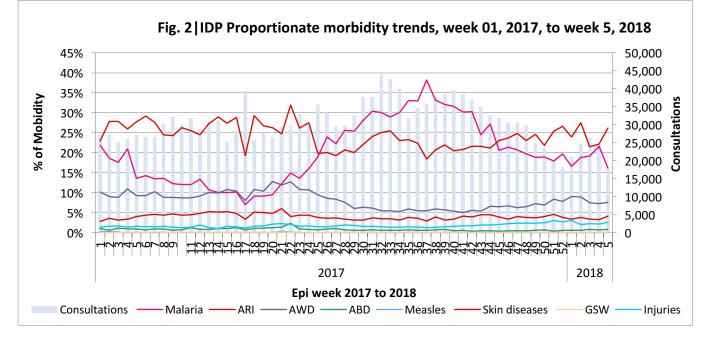


In the relatively stable states, malaria is the top cause of morbidity accounting for 33.9% of the consultations in week 5 (representing a decline from 36.5% in week 1).



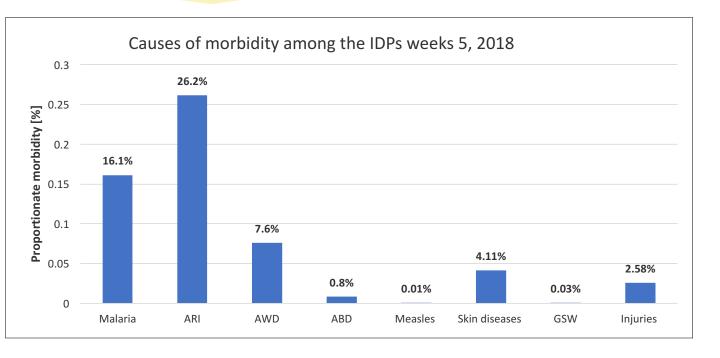






Among the IDPs, ARI and malaria accounted for 26.2% and 16.1% of consultations in week 5. The other significant causes of morbidity in the IDPs include AWD, skin diseases, and injuries.

IDP Proportionate morbidity trends - in displaced populations

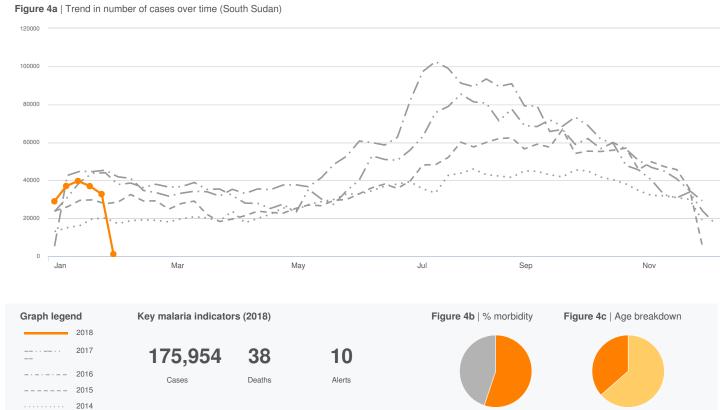


The top causes of morbidity in the IDPs in 2018 include ARI, malaria, AWD, skin diseases, injuries, and ABD.

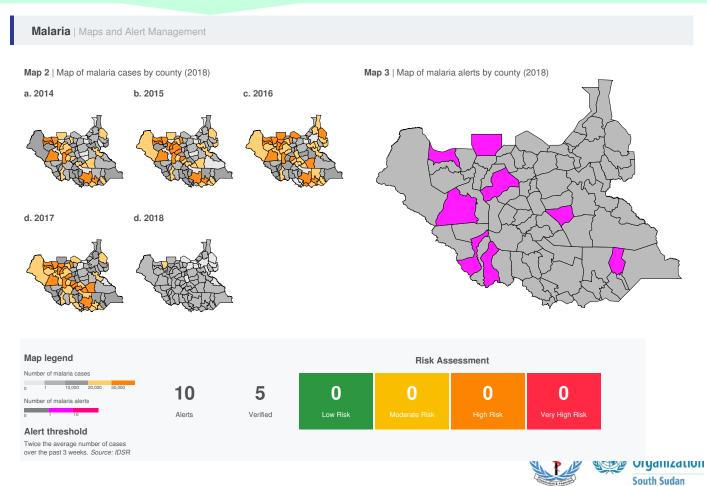




Malaria | Trends over time



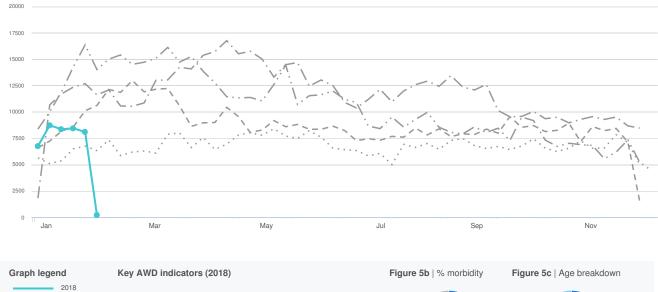
Malaria | Maps and Alert Management



Acute Watery Diarrhoea | Trends over time

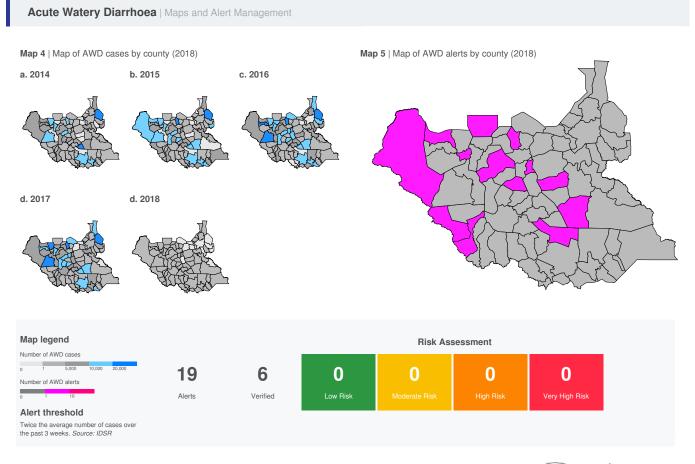
Acute Watery Diarrhoea | Trends over time

Figure 5a | Trend in AWD cases over time (South Sudan)





Acute Watery Diarrhoea | Maps and Alert Management





Acute Bloody Diarrhoea | Trends over time

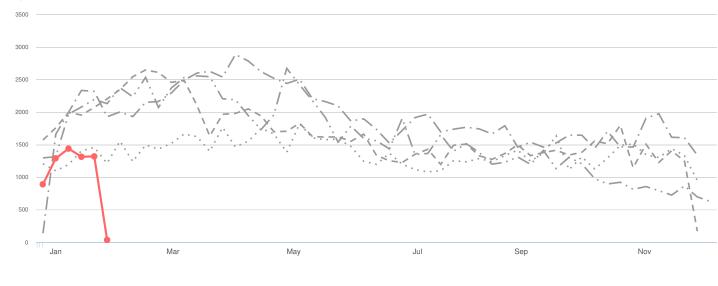
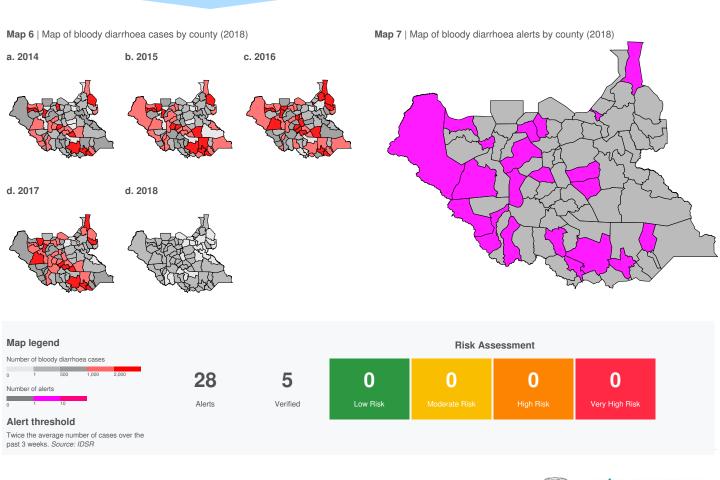


Figure 6a | Trend in bloody diarrhoea cases over time (South Sudan)



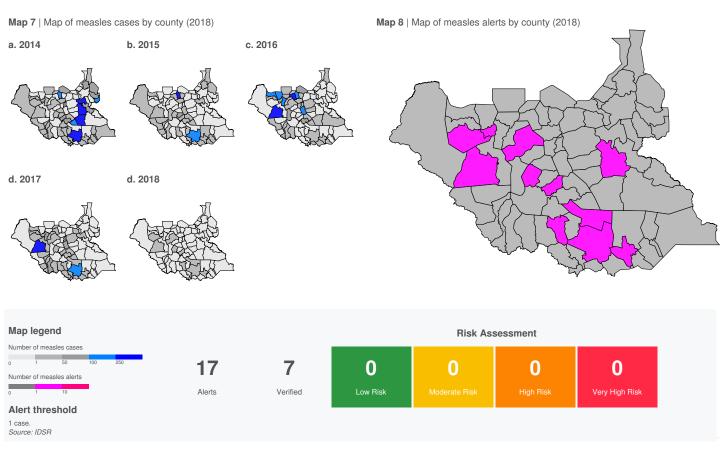
Acute Bloody Diarrhoea | Maps and Alert Management





Data under review

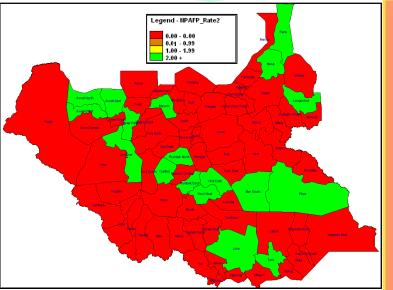
Measles | Maps and Alert Management







Acute Flaccid Paralysis | Suspected Polio



In week 5, 2018, six new AFP cases were reported from Lakes and Upper Nile hubs. This brings the cumulative total for 2018 to 22 AFP cases.

The annualized non-Polio AFP (NPAFP) rate (cases per 100,000 population children 0-14 years) in 2018 was 2.78 per 100,000 population of children 0-14 years (target \geq 2 per 100,000 children 0-14 years).

Stool adequacy was 95% in 2018, a rate that is higher than the target of \geq 80%.

Environmental surveillance ongoing since May 2017; with 23 samples testing positive for non-polio enterovirus.

Source: South Sudan Weekly AFP Bulletin

h

n

South Sudan

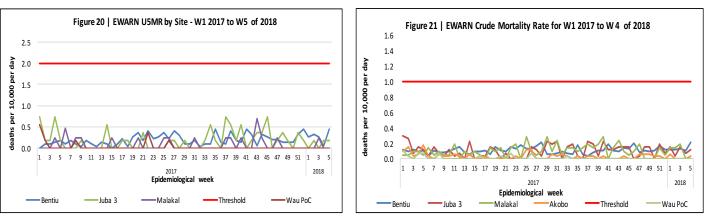
Mortality in the IDPs

Table 6 | Proportional mortality by cause of death in IDPs W5 2018

Cause of Death by IDP	Akobo	Ben	itiu	Jub	a 3	Total	Proportionate		
site	<5yrs	<5yrs	≥5yrs	<5yrs	≥5yrs	deaths	mortality [%]		
Asthma			1			1	5		
Нурохіа		1				1	5		
Kala-Azar			1			1	5		
Malaria	1				1	2	10		
Perinatal death		1				1	5		
Pneumonia		1				1	5		
Respiratory arrest		1				1	5		
SAM				1		1	5		
Shock					1	1	5		
Unknown			3			3	14		
ТВ			1			1	5		
Burns		1				1	5		
Heart failure +			1			1	5		
Hypolycaemia			2			2	10		
Susp TB		1				1	5		
Suspect meningitis		1	1			2	10		
Total deaths	1	7	10	1	2	21	100		

Among the IDPs, mortality data was received from Akobo, Juba 3 PoC, Bentiu PoC in week 5. (Table 6). **A total of 21** deaths were reported during the week. Bentiu PoC reported 17 (81%) deaths in the week. During the week, 9 (43%) deaths were recorded among children <5 years in (Table 6).

The causes of death during week 5 are shown in Table 6.



The U5MR in all the IDP sites that submitted mortality data in week 5 of 2018 is below the emergency threshold of 2 deaths per 10,000 per day (Fig. 20).

The Crude Mortality Rates [CMR] in all the IDP sites that submitted mortality data in week 5 of 2018 were below the emergency threshold of 1 death per 10,000 per day (Fig. 21).

Mortality in the IDPs - Overall mortality in 2018

IDP site	acute watery diarrhoea	Asthma	cancer	Heart Failure	Kala-Azar	Liver Cirrhosis	malaria	Meningitis	perinatal death	pneumonia	Rabies	SAM	Sepsis	TB/HIV	Trauma	HIV/AIDS	тв	Susp TB	Suspect meningitis	Others	Grand Total
Bentiu		1	1	1	1		1	1	7	3	1	1		1		2	4	1	2	23	53
Juba 3	1	1	1			1	2			1		1				3	1			2	14
Malakal			1	2	1				1								2			3	10
Akobo					1		1								1					0	3
Grand Total	1	2	3	3	3	1	4	1	8	4	1	2	2	1	1	5	7	1	2	28	80
Proportionate mortality [%]	1%	3%	4%	4%	4%	1%	5%	1%	10%	5%	1%	3%	3%	1%	1%	6%	9%	1%	3%	35%	100%

Table 7 | Mortality by IDP site and cause of death as of W5, 2018

A total of 80 deaths have been reported from the IDP sites in 2018 <u>Table 7</u>.

The top causes of mortality in the IDPs in 2018 are shown in <u>Table 7</u>.





For more help and support, please contact:

Dr. Pinyi Nyimol Mawien Director General Preventive Health Services Ministry of Health Republic of South Sudan Telephone: +211 955 604 020

Dr. Mathew Tut Moses Director Emergency Preparedness and Response (EPR) Ministry of Health Republic of South Sudan Telephone: +211 955 295 257

Notes

WHO and the Ministry of Health gratefully acknowledge health cluster and health pooled fund (HPF) partners who have reported the data used in this bulletin. We would also like to thank ECHO and USAID for providing financial support.

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









