South Sudan

Integrated Disease Surveillance and Response (IDSR)

Annexes W09 2019 (Feb 25 - March 3)



Access and Utilisation

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Indicator-based surveillance

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Acute Watery Diarrhoea (AWD)

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Bloody diarrhoea

Slide 10	Trend in bloody diarrhoea cases over time
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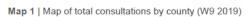
Measles

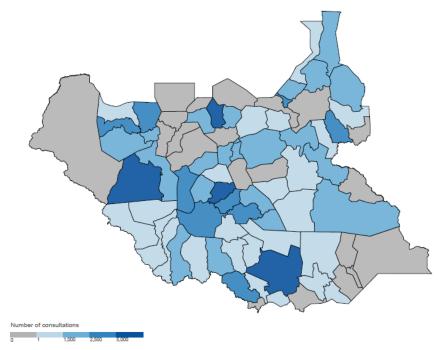
Slide 12	Trend in measles cases over time
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Sources of data

- 1. Weekly IDSR Reporting Form
- 2. Weekly EWARS Reporting Form

Access and Utilization | Map of consultations by county





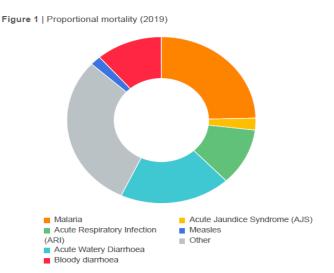
Hub	W9	2019
Aweil	12,395	107,717
Bentiu	12,180	131,445
Bor	9,770	86,517
Juba	14,109	132,130
Kwajok	5,324	123,322
Malakal	12,597	159,043
Rumbek	18,462	191,538
Torit	1,942	40,528
Wau	8,799	107,928
Yambio	5,897	87,140
South Sudan	101,475	1,167,308

The total consultation in the country since week 1 of 2019 is 167,308 by hub, Rmbek registered the highest number of consultations as indicated in the table above. The total number of consultations by county is shown in the map above. See the key for more information.





Proportional mortality



Syndrome	W9		2019		
	# deaths	% mortality	# deaths	% mortality	
Malaria	2	1.9%	158	24.6%	
ARI	1	1.0%	71	11.1%	
AWD	12	11.7%	122	19.0%	
Bloody diarrhoea	8	7.8%	73	11.4%	
AJS	0	0.0%	15	2.3%	
Measles	11	10.7%	12	1.9%	
Other	69	67.0%	191	29.8%	
Total deaths	103	100%	642	100%	

Figure 1, above shows the proportional mortality for 2019, with malaria being the main cause of mortality accounting for 24.6% of the deaths since week 1 of 2019, followed by ARI and malaria

Proportional morbidity

Bloody diarrhoea

Figure 2 | Proportional morbidity (2019)

■ Malaria
■ Acute Respiratory Infection (ARI)
■ Acute Watery Diarrhoea

Syndrome			2019		
	# cases	% morbidity	# cases	% morbidity	
Malaria	26,668	46.8%	339,943	53.6%	
ARI	8,958	15.7%	84,385	13.3%	
AWD	10,615	18.6%	100,752	15.9%	
Bloody diarrhoea	1,733	3.0%	14,468	2.3%	
AJS	5	0.0%	81	0.0%	
Measles	28	0.0%	308	0.0%	
Other	9,003	15.8%	93,791	14.8%	
Total cases	57,010	100%	633,728	100%	

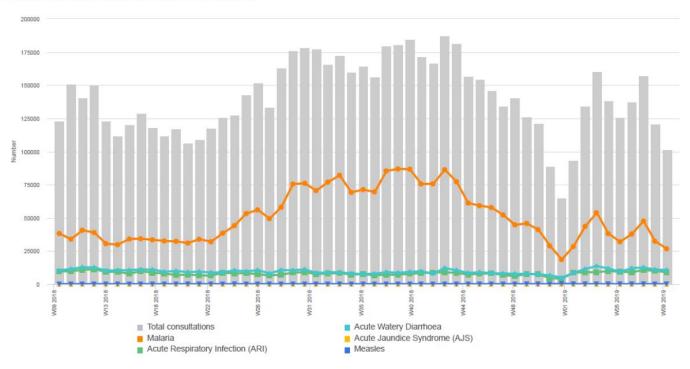
Figure 2, indicates the top causes of morbidity in the country, with malaria being the leading cause of morbidity 26,668 (46.8%) followed by ARI, AWD and ABD respectively since week 1 of 2019. refer to the figure above for more information.



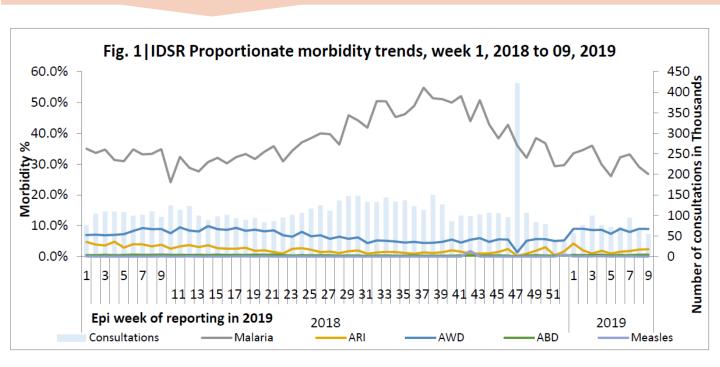


Trend in consultations and key diseases

Figure 3 | Trend in total consultations and key diseases (W9)



IDSR Proportionate morbidity trends - in relatively stable states

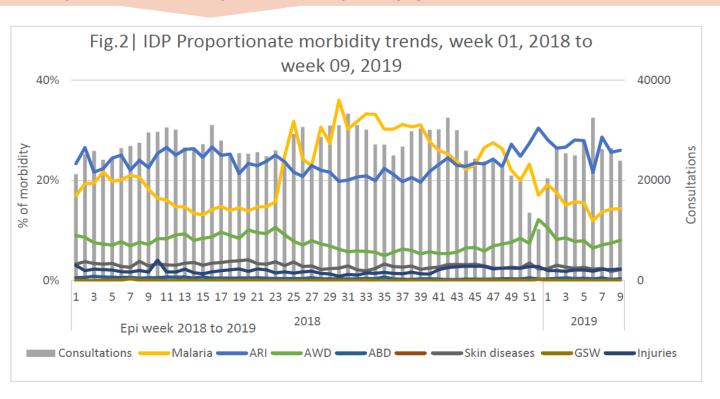


In the relatively stable states, malaria is the top cause of morbidity accounting for 26.7% of the consultations in week 09 (representing a decline from 29.1% in week 08).



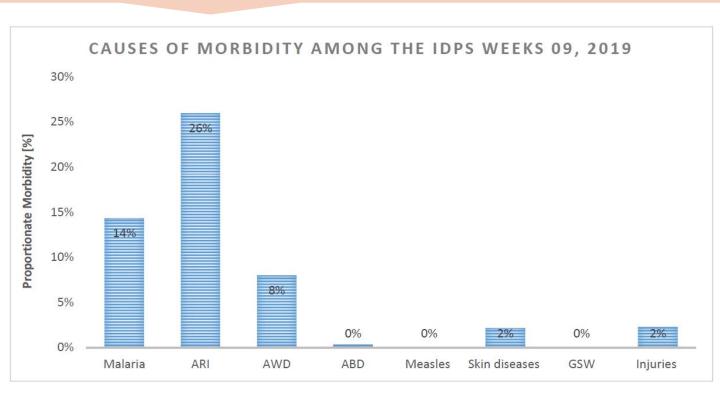


IDP Proportionate morbidity trends - in displaced population



Among the IDPs, ARI and Malaria accounted for 26% and 14% of the consultations in week 09. The other significant causes of morbidity in the IDPs includes AWD, Skin diseases, and Measles.

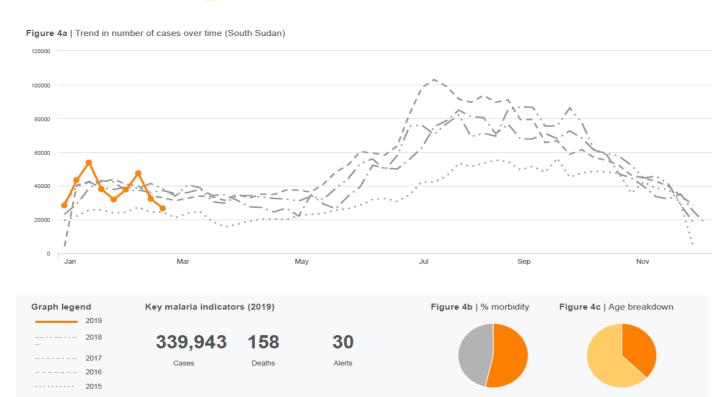
IDP Proportionate morbidity trends - in displaced population



The top causes of morbidity in the IDPs in 2019 include, ARI, Malaria, AWD, Skin diseases, and injuries.

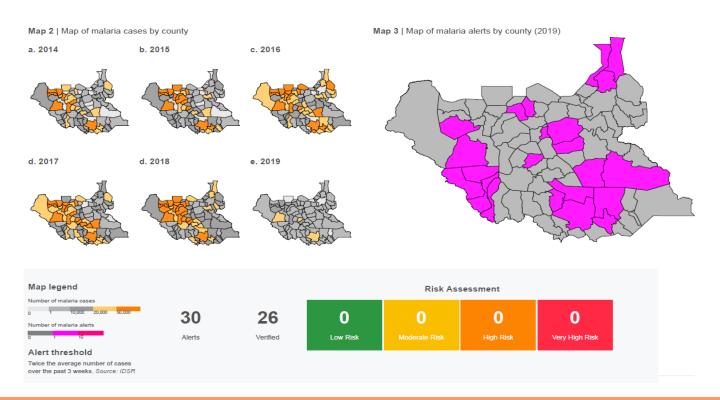


Malaria | Trends over time



Malaria is the top course of Morbidity in the country, a total of 339,9 43cases with 158 deaths registered since week 1 of 2019. malaria trend for week 09 of 2019 is below 2016, 2017 and,2018 but above 2015 as shown in the figure 4a, above.

Malaria | Maps and Alert Management

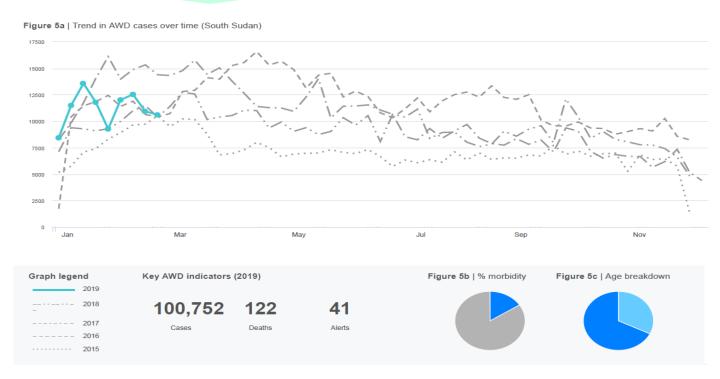


Since the beginning of the year, a total of 30 malaria alerts have been triggered, 26 of those were verified. The Maps above indicate the location reporting malaria alerts from, 2015, 2016, 2017, 2018, and 2019.



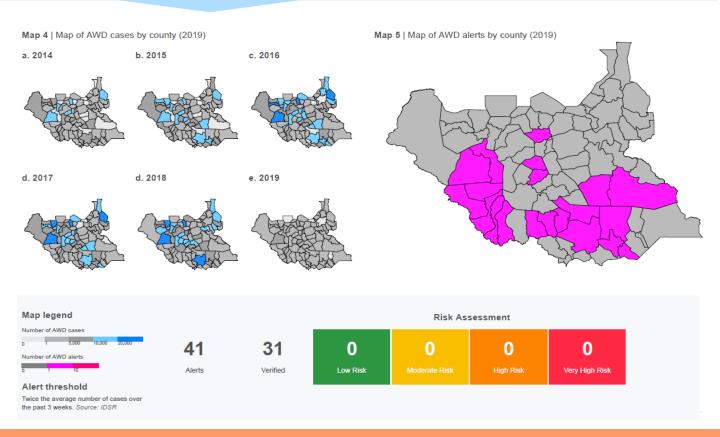


Acute Watery Diarrhoea | Trends over time



AWD is one of the top causes of morbidity in the country with 100, 752 cases reported since week 1 of 2019 including 122 deaths. AWD trend for week 9 of 2019,is below 2015,2016,2017,and 2018 as shown in figure 5a, above.

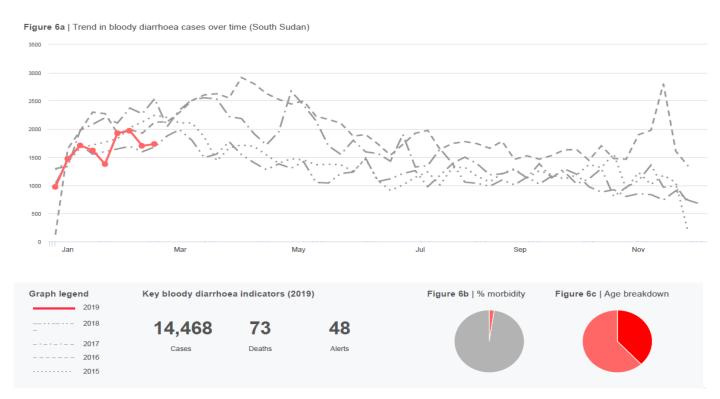
Acute Watery Diarrhoea | Maps and Alert Management



The number of AWD alerts triggered since week 1 of 2019 is 41, out of which 31 were verified. Maps above highlight the areas reporting AWD alerts from 2015 to 2019.

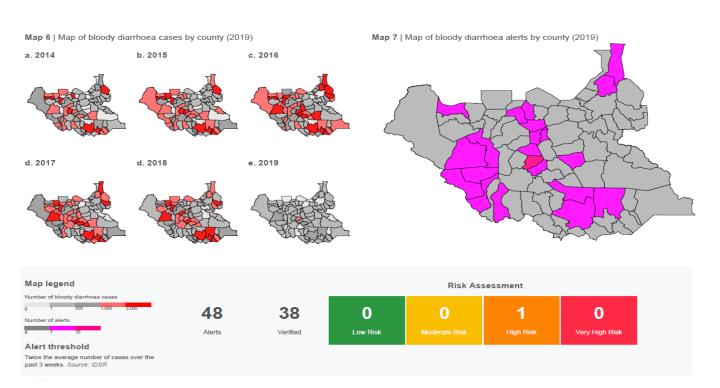


Acute Bloody Diarrhoea | Trends over time



Since week 1 of 2019, a total of 14,468 cases of ABD have been reported country wide including 73 deaths. ABD trend for 2019 is below 2015, 2016, 2017, and 2018 respectively. Refer to figure 6a, above.

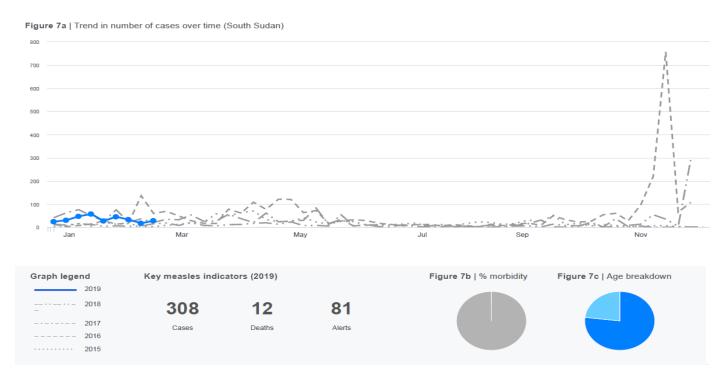
Acute Bloody Diarrhoea | Maps and Alert Management



Total of 48 alerts were generated since week 1 of 2019, of which 38 were verified by the county surveillance team. Maps indicating areas triggering alerts since 2015 to 2019 are shown above.

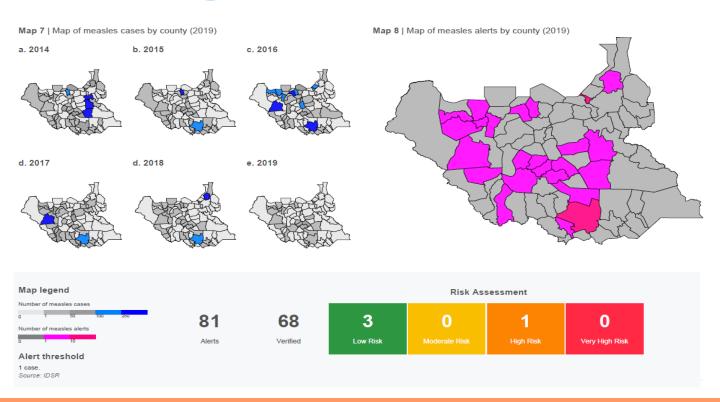


Measles | Trends over time



Since the beginning of 2019, at least 308 suspect measles cases including 12 death (CFR 0.74%) have been reported. . Of these, ----- suspect cases have undergone measles case-based laboratory-backed investigation with ---- samples collected out of which ---- measles IgM positive cases; ----- clinically confirmed cases; and ----- cases confirmed by epidemiological linkage.

Measles | Maps and Alert Management



Since week 1 of 2019, 81 alerts of measles were triggered and 68 of those have been verified at county level. Maps of areas raising alerts from 2015 to 2019 are shown above.



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









