



REFUGEE SURVEILLANCE UPDATE (MABAN AND YIDA)

Epidemiological Week 14

1st – 7th April 2013

Highlights

- The proportion of health facilities in Maban that submitted the weekly reports to the state and central level remained the same at 86% (19 out of 22). (*See list of health facilities in Maban and supporting partners on page 2*). All the seven facilities serving the refugees in Maban reported on time in week 14, while reporting from facilities serving the host communities remained at 12 out of 15 facilities. Khortumbak which resumed reporting in week 12 has not reported for two consecutive weeks. However, Thonkayo PHCU that has been closed for a long time resumed reporting in week 13 and has also reported this week, although it is not yet included on the list of facilities reporting from Maban.
- All the three health facilities serving Yida refugee camp reported on time this week.
- Acute watery diarrhea was the leading priority disease recorded in the refugee camps (70.4%), followed by Malaria (17%), and Acute Jaundice Syndrome (7.7%).
- One hundred and eighty eight (188) suspected Acute Jaundice Syndrome (AJS) cases (or Hepatitis E cases) and six (6) related deaths were recorded from Maban and Yida in week 14. Of the total cases, 93% were reported from Maban refugee camps and 7% from Yida refugee camp. Four suspected cases were reported to have come from the host community and were seen by MSF in Gendrassa. Of the cases from Maban, 44.6% of the cases were reported from Jamam, followed by Batil (25.1%), Gendrassa (18.3%), and Doro (12%).

The cumulative AJS cases recorded from Maban refugee camps was 9,431 and 169 related deaths, while 240 AJS cases and 12 related deaths were recorded in Yida from the beginning of the outbreak till week 14.

- One suspected meningitis case was reported in Doro camp.
- No Measles, Cholera, or VHF cases were reported from all the refugee camps and host community.

Reporting Performance

The total number of health facilities expected to report for *Early Warning and Alert Response Surveillance* (EWARS) system is 22 facilities in Maban and 3 facilities in Yida. Of these seven facilities are serving refugees camps in Maban and three facilities are serving Yida refugee camp. Some of the health facilities serving the host communities have not been operating due to inaccessibility during rainy seasons or lack of health workers. Of late some of silent ones have started operating and are reporting. Long distance and lack of communication facilities in some areas are sometimes a reason for not reporting on time. Improvement in reporting has been possible due to improved supervision from the county health department and support from partners.

Table 1: Health facilities serving refugee and host communities in Maban and Yida

FACILITY IN MABAN	WK8	WK9	WK10	WK11	WK12	WK13	WK14
<i>Doro camp clinic MSF-B</i>	1	1	1	1	1	1	1
<i>Jamam CAMP MSF-H CLINIC</i>	1	1	1	1	1	1	1
<i>Batil GOAL clinic(west & South)</i>	1	1	1	1	1	1	1
<i>Batil MSF-H</i>	1	1	1	1	1	1	1
<i>Batil Medair SE Clinic</i>	1	1	1		1	1	1
<i>Gendrassa MSF H</i>	1	1	1	1	1	1	1
<i>Gendrassa IMC</i>	1	1	1	1	1	1	1
<i>Bunj PHCC Relief International</i>	1	1	1	1	1	1	1
<i>Bunj Hospital SP/GOAL</i>	1	1	1		1	1	1
<i>Dangaji PHCU Relief International</i>	1	1	1	1	1	1	1
<i>Gesm Allah PHCU Relief International</i>	1	1	1	1	1	1	1
<i>Jamam PHCU GOAL</i>	1	1	1	1	1	1	1
<i>Genkwata PHCU MOH</i>					1	1	1
<i>Thuaye PHCU MOH</i>	1	1	1	1	1	1	1
<i>New Guffa PHCU MOH</i>				1	1	1	1
<i>Khor Tumbak PHCU MOH</i>					1		
<i>Puomky PHCU SCiSS-MRDO</i>							
<i>Doro PHCU SIM</i>	1	1	1	1	1	1	1
<i>Liang PHCU SCiSS-MRDO</i>	1	1	1	1	1	1	1
<i>Nila PHCU SCiSS-MRDO</i>	1	1	1	1	1	1	1
<i>Sheta PHCU SCiSS-MRDO</i>	1	1	1	1	1	1	1
<i>Baugaya PHCU GOAL</i>							
Total Facilities Reporting	17	17	17	17	20	19	19

FACILITIES IN YIDA	WK8	WK9	WK 10	WK11	WK12	WK13	WK14
<i>Wang Kuat PHCC</i>	1			1	1	1	1
<i>Yida PHCC</i>	1			1	1		1
<i>MSF-France Clinic</i>	1	1	1	1	1		1
Total Facilities Reporting	3	1	1	3	3	1	3

Epidemic Prone Disease Reported

Acute Watery Diarrhea (AWD)

A total of 1716 AWD cases were reported in Maban and Yida Refugee camps during this reporting week with no related deaths. Proportion of cases below five years was at 65.7% of all reported AWD cases in all the camps.

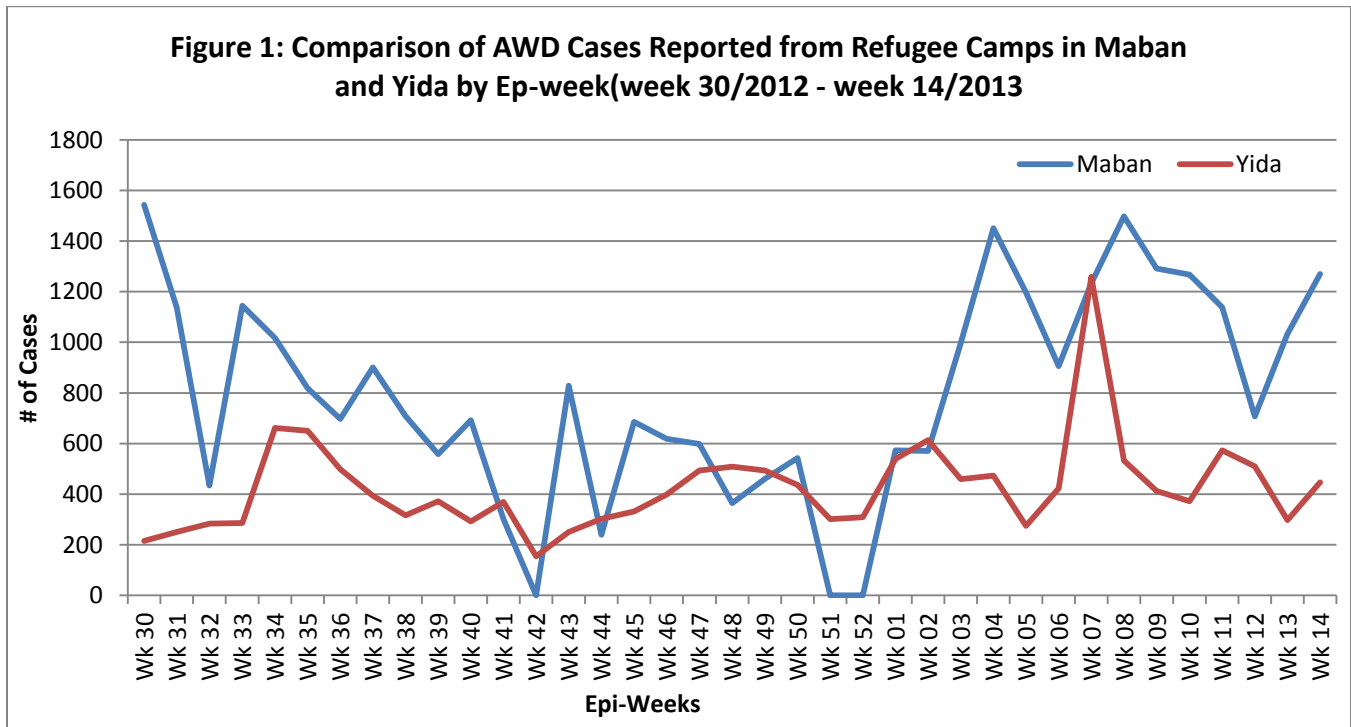


Figure 1 shows a comparison of AWD cases reported by Epi-week in year 2012 -2013 from facilities serving the Refugees in Maban and Yida. The incidence rate of AWD in the camps in Maban and Yida camps increased in week 14. The cases among the Host community in Maban also increased from 362 to 418 with no related deaths.

Dysentery (ABD)

A total of 119 cases of ABD with no related deaths were reported in week 14 from the refugee camps. Proportion of cases in children below five years remained the same (40.3%) as the previous week (40.5%).

Figure 2: Comparison of ABD Cases Reported from Refugee Camps in Maban and Yida by Epi-week(week 30/2012 - week 14/2013)

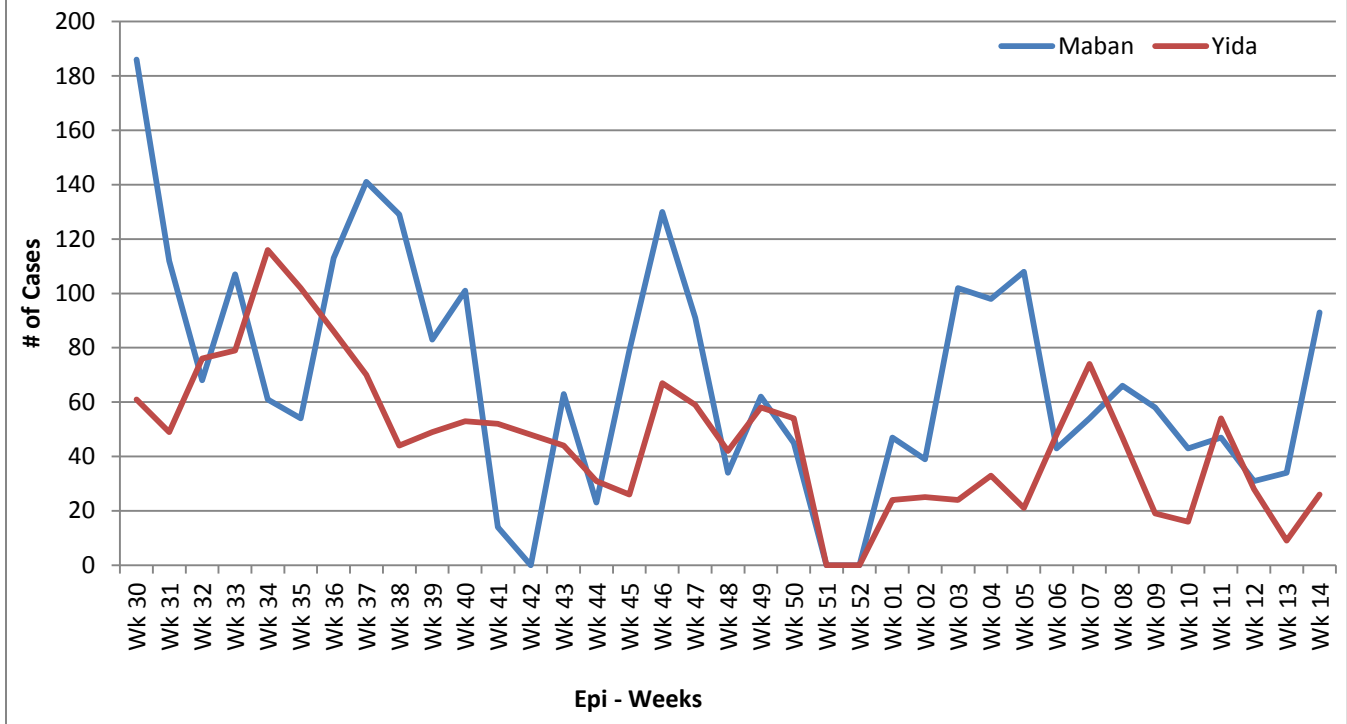


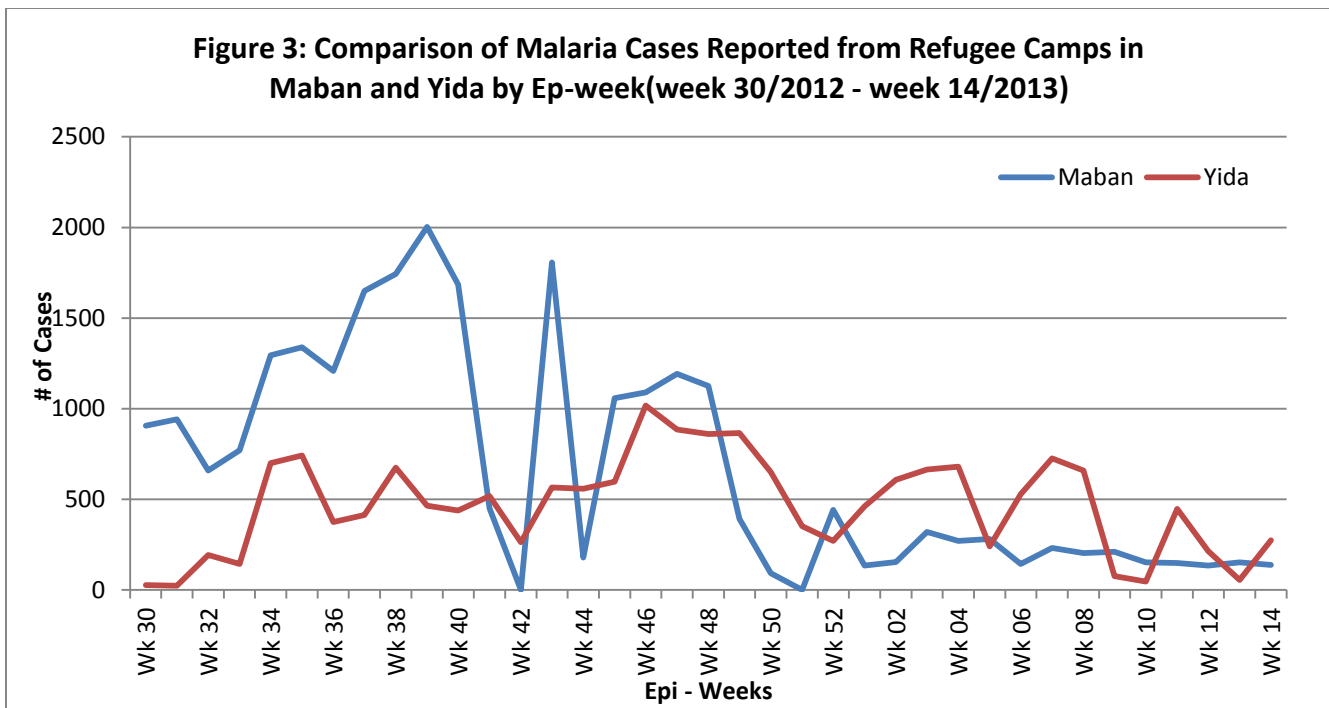
Figure 2 above shows a comparison of ABD cases reported by Epi-week and year 2012 – 2013 in Maban and Yida camps. The ABD trend reported from the refugee camps in Maban and Yida increased this week. The ABD incidence among the host community in Maban again decreased from 91 in week 13 to 65 cases in week 14.

Malaria

A total of 414 malaria cases were reported in week 14 from Yida and Maban refugee camps, with no related deaths. Out of all the cases, 29.7% were reported in children below five years of age. Malaria incidence rate in children remained the same in week 14 (around 30%) as in the previous two weeks. In Maban County, 646 cases of malaria with no related deaths were reported from facilities serving the host community. Malaria cases decreased by 10% from those recorded in the previous week. The under 5 years old in the host community had a higher incidence of malaria (46.4%) than those in the refugee camps (29.7%).

Figure 3 below shows a comparison of the incidence of malaria in Maban and Yida.

Figure 3: Comparison of Malaria Cases Reported from Refugee Camps in Maban and Yida by Ep-week(week 30/2012 - week 14/2013)



Acute Jaundice Syndrome (AJS)

A total of one hundred and eighty eight (188) suspected Acute Jaundice Syndrome (AJS) cases (or Hepatitis E cases) and six (6) related deaths were recorded from Maban in week 14. Of the six deaths, five were pregnant women. No death was reported in Yida this week. As has been the trend, 93% of new AJS cases were recorded in Maban refugee camps (*figure 4 and 5 for AJS Epi-Curve in Maban and Yida*). Of the deaths, one was recorded in Doro, and five in Batil. As shown figure 4 and 5 below, a cumulative AJS cases recorded from Maban refugee camps was 9,431 and 169 related deaths, while 240 AJS cases and 12 related deaths were recorded in Yida from the beginning of the outbreak till week 14. Cases in Yida are slowly but steadily increasing every week. A total of 47 pregnant women have died of the disease since the outbreak started. New cases recorded in Maban refugee camps continued to decline for the 9th week as compared to the previous weeks. Compared to previous weeks, AJS/HEV cases from Batil have reduced remarkably since mid-February. Gendrassa and Doro camps are still reporting high numbers of AJS/HEV cases compared to the past weeks. In general the epidemic is on the decline. This week has registered the smallest number of cases (below 200) since December last year. Of the 38 blood samples for Hep E tested between 27th February and March 20th, 16 out of the 20 from Yida, and 12 out of 18 from Maban tested positive.

However, awareness, and good sanitation and hygiene practices need to be stepped up in areas where WASH levels are still below standards. Mapping of Hep E cases in camps has started. MoH, WHO, UNHCR, and other health and WASH partners have started implementing a series of activities for three months to improve the control of the outbreak.

This week no case was reported from a facility serving the host community. However, four cases from the host community were seen in Gendrassa MSF clinic.

Fig 4: Epi-Curve of Acute Jaundice Syndrome cases in the Refugee camps in Maban County (May 2012 - April 2013)

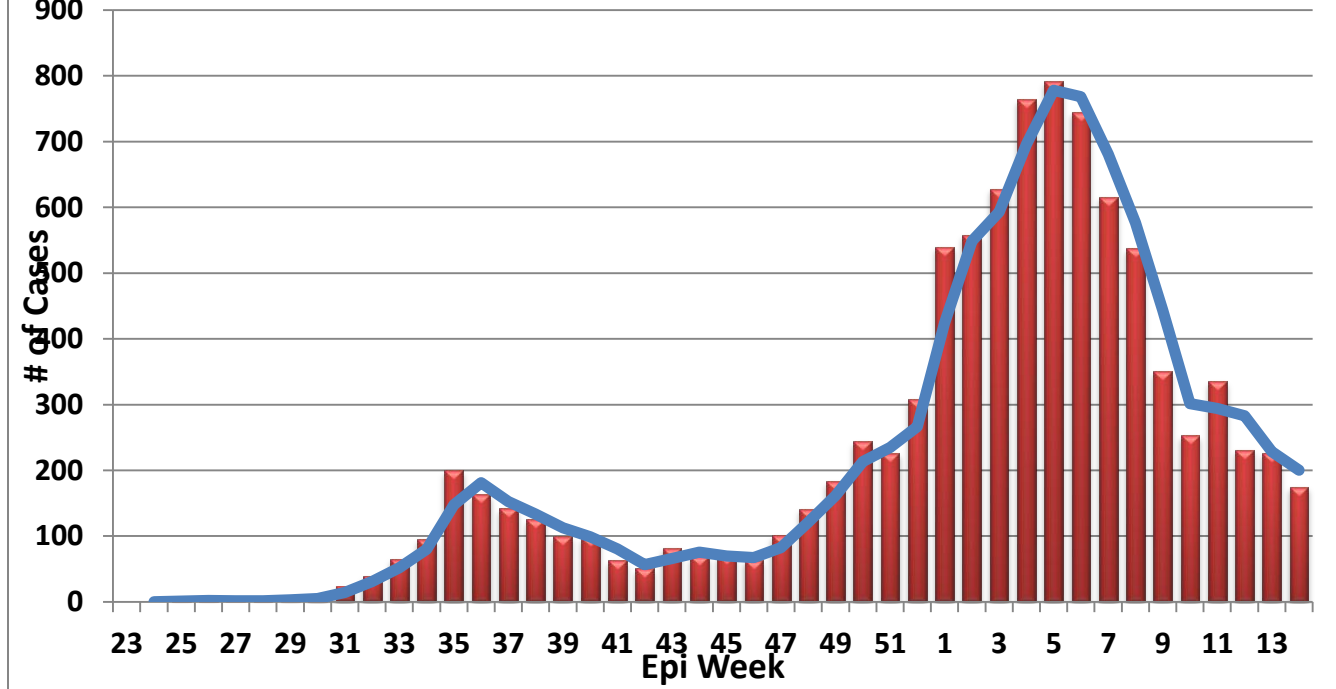
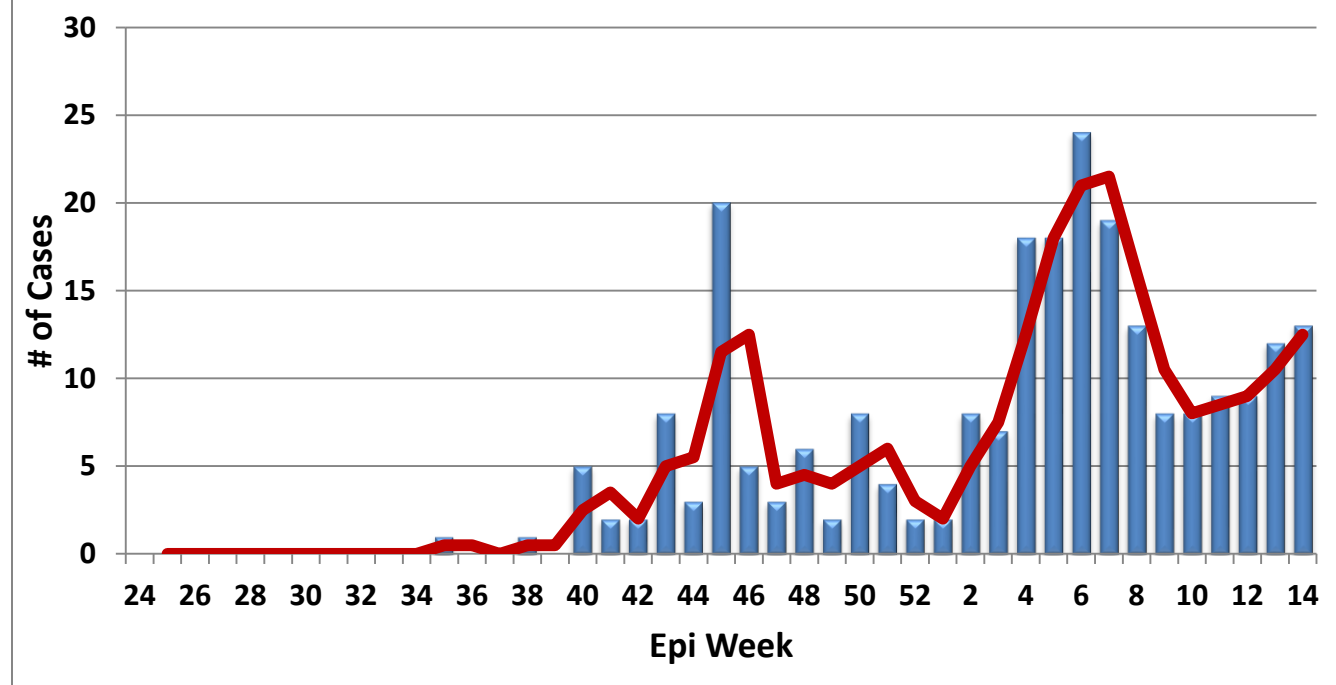


Fig 5: Epi-Curve of Acute Jaundice Syndrome cases in Yida Refugee Camp (Sept 2012 - April 2013)



Other Disease: One case of meningitis was reported from Doro camp this week, and a cerebral spinal fluid sample was collected and sent for testing.

No suspected cases of Measles, Viral Hemorrhagic fever or Influenza like illness were reported during this week.

Table 2: Summary of Priority Diseases in Maban and Yida Refugee camps week 14

Camps	Doro		Batil		Gendrassa		Jamam		Maban TOTAL		Yida		Yida TOTAL		Host Community	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
Cases/ Death																
Suspected Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AWD	444	0	392	0	175	0	259	0	1270	0	446	1	446	1	418	0
BD	57	0	2	0	22	0	12	0	93	0	26	1	26	1	65	0
Meningitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AFP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AJS	21	1	221	0	78	0	78	0	398	1	13	0	13	0	0	0
VHF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaria	80	0	29	0	9	0	21	0	139	0	275	0	275	0	646	0
Neonatal Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	602	1	644	0	284	0	370	0	1900	1	760	2	760	2	1129	0

Key: AWD – Acute Watery Diarrhoea, , ABD – Blood Diarrhoea/Dysentery, Men – Meningitis, AJS – Acute Jaundice Syndrome, , AFP – Acute Flaccid Paralysis/Polio, NT - Neonatal Tetanus, 0 -Zero Report, C – Cases, D - Deaths, Timely reports - Reports received before Wednesday 10:00am, Completeness - Proportion of health facilities reporting in a county/state, Timeliness - Proportion of county in a state reporting on time. HF- Health Facilities, EPI-Expanded program for immunization

For comments or questions, please contact: Surveillance Department, MoH-RSS, Tel: 0955551147; 0922186571; E-mail: outbreak_ss_2007@yahoo.com, HF radio frequency: 8015 USP; CELL CALL: 7002



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