

**HEALTH and NUTRITION SECTOR UPDATE
DADAAB REFUGEE CAMPS
15TH to 21ST October 2011
Epidemiological week 42
Update No. 14**

1. Highlights

- Insecurity continues to severely hamper health and nutrition service delivery. All three hospitals functioning with emergency services; referral from health posts is severely curtailed which has reduced access; health posts in Ifo, Hagadera and Kambioos now operating but only with refugee incentive staff and no supervision which has affected quality of care. Dagahaley opened four health posts on 28th of October with all staff including national staff though there will be limited supervision.
- Service provision in Ifo 2 remains extremely limited. The Kenyan Red Cross have started limited mobile services this week. KRC expect to establish two field hospitals next week with support of IFRC - one each in Ifo 2 East and West. Priority will be to rapidly scale up outpatient therapeutic feeding given the 19% prevalence of severe malnutrition in under fives in this camp. Services by community health workers have not yet resumed.
- The health situation in Kambioos has seriously deteriorated with the community reporting increasing numbers of deaths. The crude mortality rate for current week (week 43) is at least 2.3/10,000 per day. Six deaths associated with watery diarrhea were reported in one block alone during week 43 in Kambioos. All of these were in people over the age of five years indicating a high likelihood of widespread cholera transmission in some parts of the camp. Water supply has been interrupted with sections of the camps without water for two days this week including the health centre. Though the need to urgently scale up health services is recognized this is severely hampered by the insecurity and the requirement to have escorts which has limited presence of qualified staff in Kambioos. A crisis meeting will be held with agencies working in Kambioos.
- Reported measles cases continue to decrease with no deaths occurring during the reporting week.

- Cholera outbreak continues to expand with eleven confirmed cholera cases reported. Local transmission has been confirmed in 3 camps. The outbreak case definition is now being applied in all camps..

2. Overview

- Total population of registered refugees as of 17th October¹

Hagadera	Dagahaley	Ifo	Ifo 2	Kambioos	Total
140, 846	124,826	123, 162	71,734	10,483	471,051

- Number of new arrivals during the reporting period: No new arrivals registered as registration has been suspended

3. Reception Centre data

The reception centers have been closed during this reporting week.

¹ The health statistics are generated based on the population of registered refugees

4. Mortality

Crude Mortality	Hagadera		Dagahaley		Ifo		Kambioos	
	Last month	This week						
Number of deaths /1000/month	0.2	0.5	0.3	0.1	0.3	0.3	NA	2.0
U5 mortality	Hagadera		Dagahaley		Ifo		Kambioos	
	Last month	This week						
Number of U5 deaths /1000/month	0.6	1.9	1.0	0.2	1.2	0.9	NA	4.2
Maternal mortality	Hagadera		Dagahaley		Ifo		Kambioos	
	Last month	This week						
Number of maternal deaths	00	0.0	0.0	0.0	1.0	0.0	NA	0.0

Comment: Kambioos has reported a marked increase in mortality rates associated with the reduced level of services. No mortality data available for Ifo 2; there is need to establish outreach services to improve active case finding and surveillance urgently including refugees from Ifo 2 referred to hospital and community deaths (using CHWs and grave counting).

There were no maternal deaths reported this week.

5. Diseases of epidemic importance

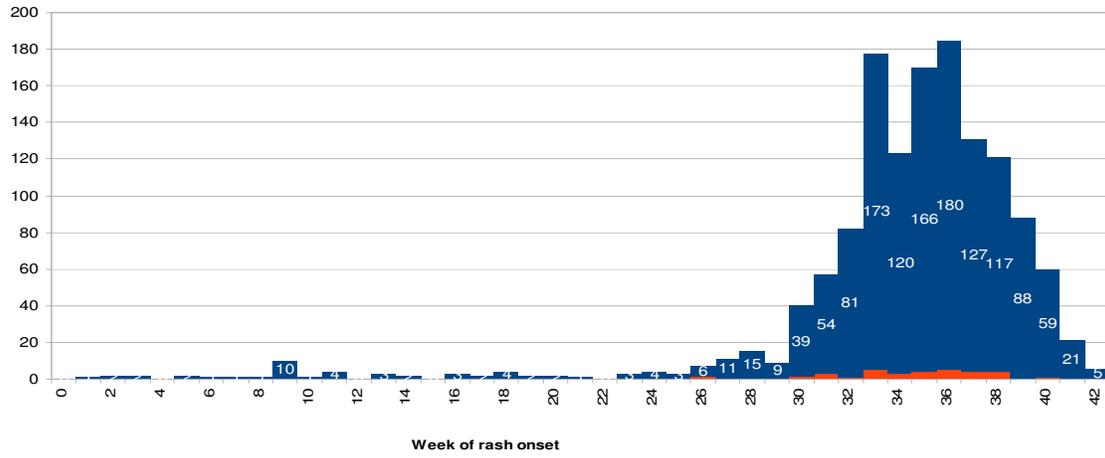
i. Total number of cases of diseases of outbreak potential

	AWD	Bloody diarrhea	Meningitis	Measles	Malaria	AFP
Hagadera	217	2	0	11	2	0
Dagahaley	37	14	0	45	0	0
Ifo	2	1	0	20	0	0
Kambioos	113	4	0	2	0	0
Ifo 2	N/A	N/A	N/A	N/A	N/A	N/A

Comment: Surveillance activities have been severely affected by the markedly reduced services at health posts level. Thus disease trends reported will not be an accurate reflection of the situation.

- 10 cases of **measles** reported this week with 1357 cases total to date. However, of those reported in week 42 only 9 cases had rash onset in week 41 (see Figure 1). There were no measles-related deaths this week. However, due to disruption of active surveillance system, this may be an underestimation. There is a need to restart active case finding and home-based management in Ifo 2 as soon as is possible.
- **Cholera** outbreak has increased with eleven confirmed cases. There is now confirmed local transmission of cholera in all three main camps. All camps should now be applying the cholera outbreak case definition and line listing all cases meeting the case definition. Of great concern is that all cholera treatment centres are in the health posts due to shortage of space at hospitals. Except in Dagahaley health posts are currently managed by incentive staff. If the outbreak increases this will be a major problem as incentive staff will not be able to adequately manage cholera. The current situation is manageable at the hospitals but could change rapidly
- Mentor Initiative's Indoor residual spraying activities for malaria prevention are underway in Ifo 2 though they continue to be hampered by the security situation.

Figure 1 - Number of cases of measles per week Dadaab 2011



6. Key services statistics

	Hagadera	Dagahaley	Ifo	Kambioos	Ifo 2
Average number of outpatient consultations per day	519	257	41	79	N/A
Average number of daily new admissions	39	27	22	NA	NA
Average number of consultation per clinicians per day	35	46	29	28	N/A
% of deliveries occurring in a health facility	90%	90%	100%	0% (see comment)	N/A
Number of new admissions to SFP	383	00	00	35	N/A
Number of new admissions to CTC	86	51	21	38	N/A
Average number of liters water per person per day	15l/p/d (outskirts)	12l/p/d (outskirts)	12.4l/p/d	15 l/p/d	18.4 liters (Ifo 2 West); 15 liters Ifo 2 east

Comment: there have been minimal admissions to nutrition programmes in Ifo and Dagahaley owing to closure of OTP and SFP services at health post level. Hagadera and Kambioos maintained services at those points with refugee staff. KRC re-started limited OTP services at Ifo 2 this week following two weeks of interruption due to withdrawal of MSF Spain. Nutrition supplies, equipment and orientation training were provided by UNHCR and UNICEF.

7. Services for survivors of sexual violence

	Hagadera	Dagahaley	Ifo	Kambioos	Ifo 2
Number of survivors of sexual violence seen	1	0	0	0	N/A
Number seen within 72 hours	1	0	0	0	N/A
Number who received appropriate care according to time seen	1	0	0	0	N/A

8. Nutrition

i. Standard food ration being provided

New arrivals	New arrivals currently not being received or officially assisted
Registered refugees	General food distribution is continuing 565 grams/person providing 2100 kcal/day for 30 or 31 days
Blanket feeding	Due to provision of Blanket supplementary feeding for all children <5 years with CSB plus. Nutributter has been stopped. Blanket feeding with CSB plus to all under fives continues.

Comment: Blanket supplementary feeding programmes in under fives is going well with coverage now over 90%. Community mobilization is done by food advisory committees and by megaphones during distribution.

Food distribution for Kambioos is now conducted in Hagadera due to difficulty maintaining crowd control in Kambioos (no structure to distribute food). Transport is provided for refugees.

9. Health facilities

	Hagadera	Dagahaley	Ifo	Kambioos	Ifo 2 East and West
Hospitals	1	1	1	0	0
Health posts	4	5	6	1	Limited mobile services
CHWs	138	104	140	10	0

Comment: Health facilities and community health services need to be restarted and expanded in Ifo 2. There is an urgent need to establish satellite clinic and OTP services. Ifo is providing hospital services for Ifo 2 and there is an urgent need for KRC to rapidly increase capacity.

10. Key activities

- UNHCR/UNICEF facilitated a one day outpatient and supplementary therapeutic care refresher training for KRC staff on the 24th of October, 2011.
- Planning has begun for the Malezi bora and OPV campaigns scheduled to take place from the 31st of October to the 9th of November, 2011.

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