

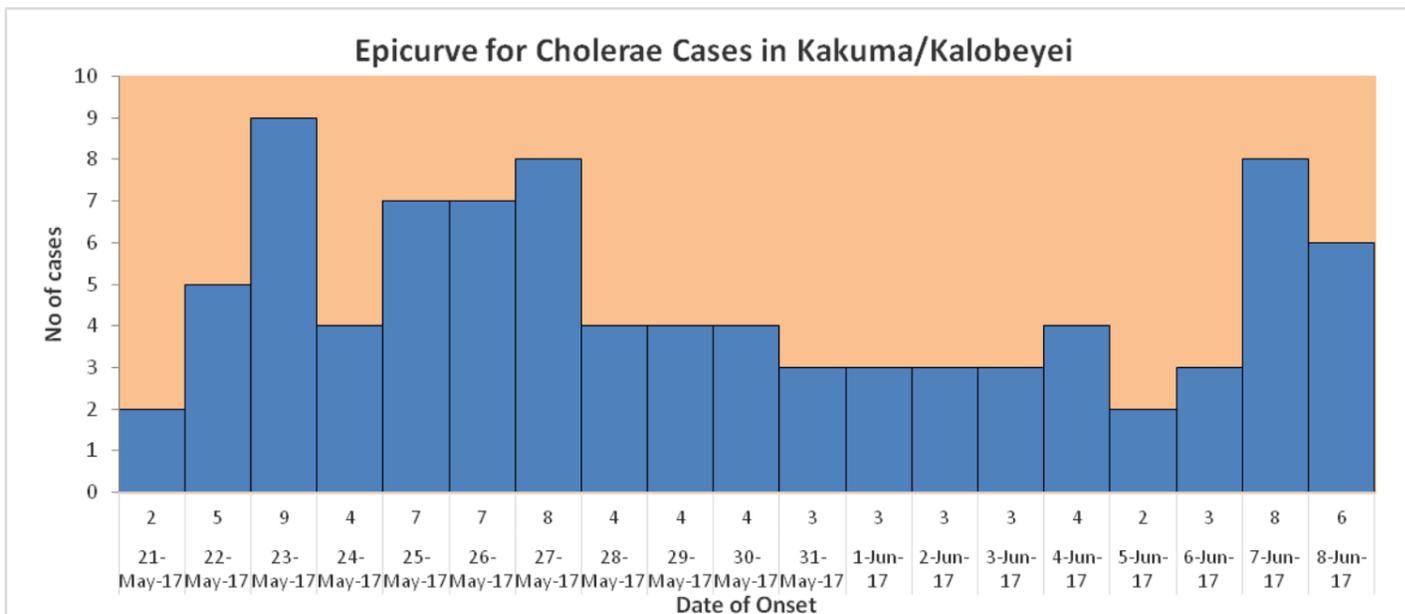
**CHOLERA OUTBREAK RESPONSE UPDATES
KAKUMA REFUGEE CAMP/KALOBYEI SETTLEMENT
09/06/2017
Week Three of Cholerae Outbreak
Update No. 2**

1. Highlights

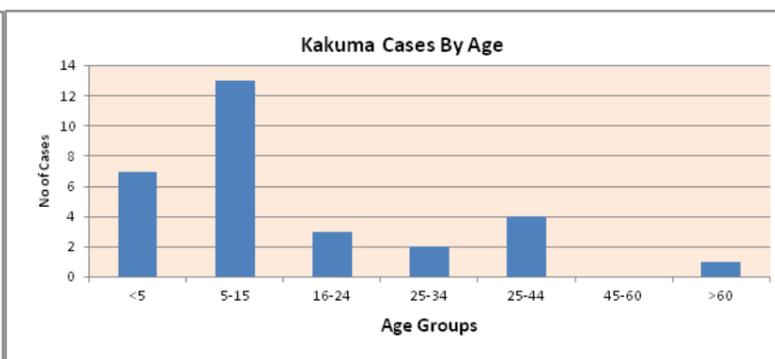
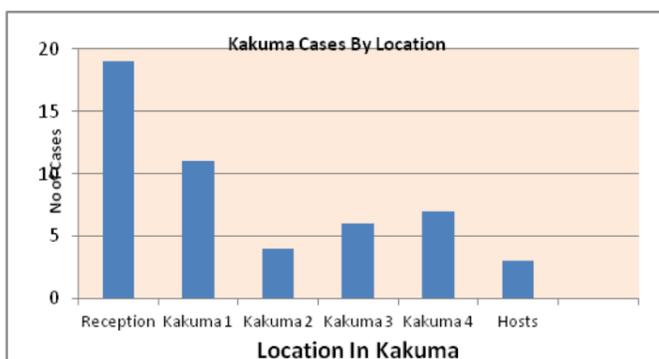
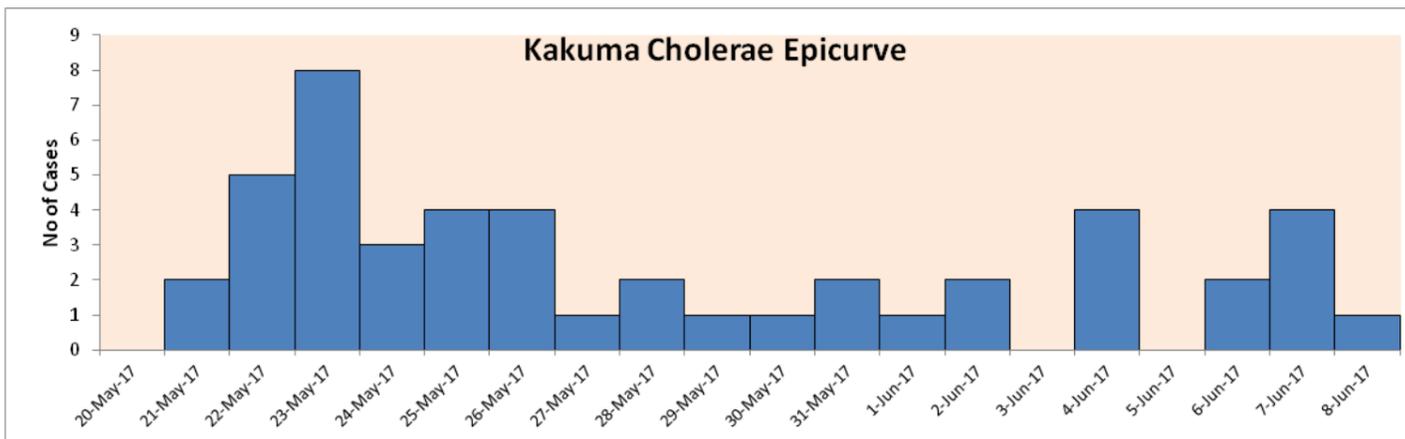
- Cholerae outbreak ongoing with the first confirmed case identified on 22nd May 2017.
- 4 of first 8 samples cultured Vibrio Cholerae inaba 01 with sensitivity results guiding drug use.
- 90 patients linelisted to date. 55 in Kakuma linelist and 35 in the Kalobeyei linelist
- 2 CTCs operational with
 - a) Kalobeyei CTC run by Kenya Red Cross - 7 patients currently admitted.
 - b) Kakuma 4 CTC run by the IRC - 4 patients currently admitted
- No mortality reported to date.

STATISTICS

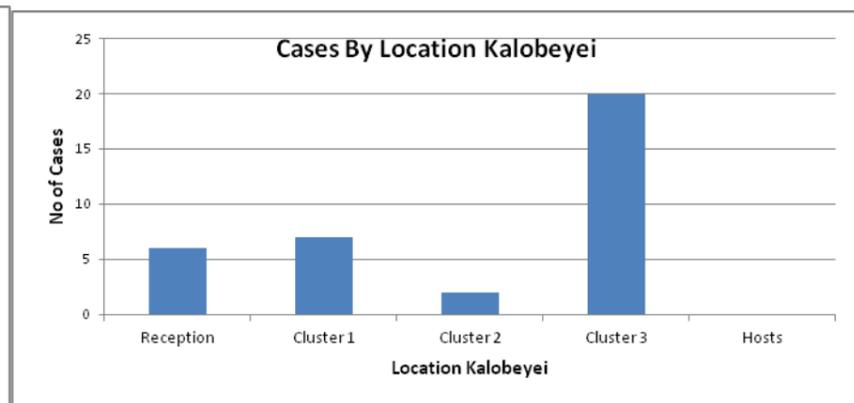
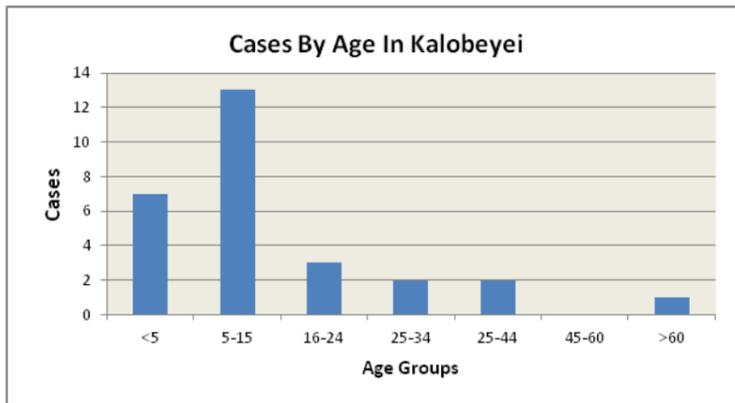
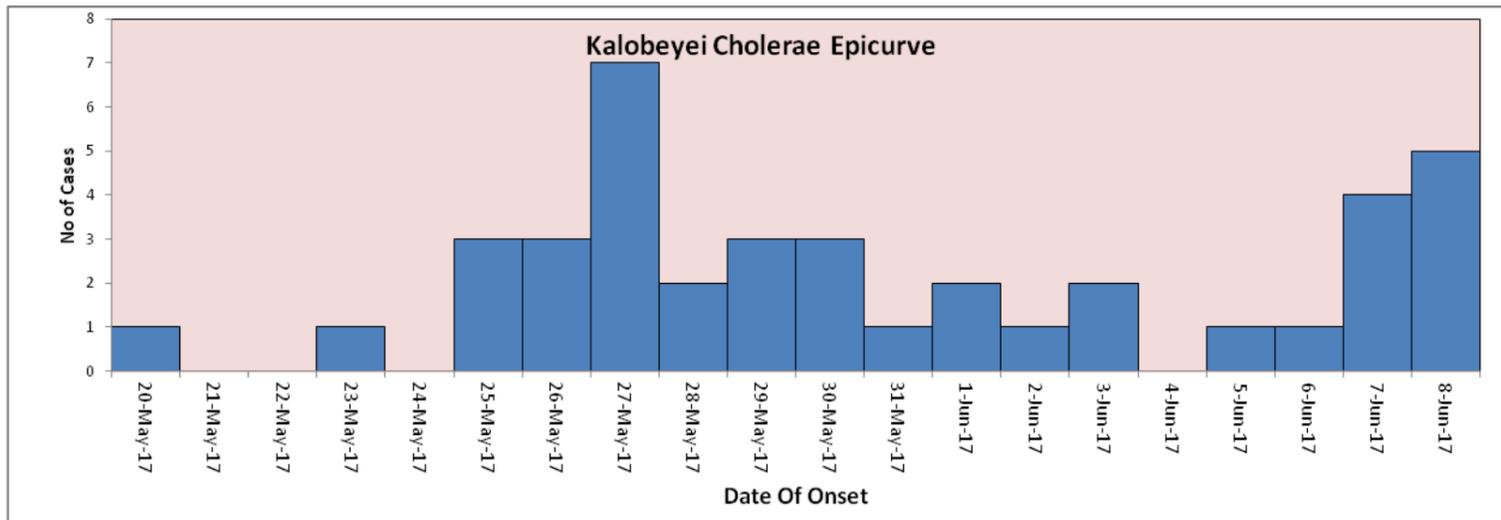
KAKUMA/KALOBYEI



KAKUMA REFUGEE CAMP



KALOBYEI SETTLEMENT



1. Clinical And Community Health

Kakuma

- IRC running the kakuma CTC located in the main hospital in kakuma 4
- 4 patients currently admitted .No mortality recorded.
- Doxycycline first line treatment for moderate, severe cases and direct contacts of this cases,azithromycin used for children and pregnant women.Samples collected to check resisance patterns to continue guiding on best regimen.
- Daily contact tracing ongoing of all cases seen at the CTC with decontamination of latrines,prophylaxis for contacts as well as targeted health messaging by the community health workers.
- On job training on infection prevention and case management ongoing at the CTC with 2 dedicated CMEs to cholera.
- Have set up a cholera rehydration point at the kakuma reception centre in kakuma 3.
- Designated ambulance with different call sign for cholera patients

Kalobeyei

- Kenya Red-Cross currently running a CTC at the main clinic in cluster 1
- 8 patients currently admitted all from cluster 3 of Kalobeyei.
- Use of Doxycycline as first line for moderate and severe cases admitted as well as their contact.Azithromycin used for pregnant women and children.
- Contact tracing being done fo all cases identified within 12 hours.Decontamination of latrines done as well as chemoprophylaxis.
- In the process of setting up a cholera rehydration point in village three where the cases are high.
- Have hel atleast 2 meetings with neighbourhoodl leaders in kakuma three as part of community mobilization and educate on harmful practices practiced by the community such as open defacation that lead to spread of the infection.
- Training household on construction of leaky tins for handwashing for family and communal latrines.

2. Water, Sanitation and Hygiene

Water

NRC is the main WASH implementing partner In Kakuma and Kalobeyei.Other operational WASH partners are Team & Team and World Vision International-Kenya.

Kakuma

Average water supply in Kakuma is 21litres pppd

- Extra pipeline done in Kakuma 1 Zone 2 increase water supply to tap stands.Currently 4 of the 5 tap stands in the zone are currently working.
- Repair of all broken taps and nozzles ongoing in Kakuma1 Zone 2 , Kakuma 3 and Kakuma 4 on going.

- Connection of CTC in Kakuma 4 with a direct line completed ensuring continuous flow of water at the CTC.
- Pumping time increased in borehole 6,13 in order to increase amount of water distributed in Kakuma.
- Repaired pipeline two schools to ensure continuous flow of water(Naam and El eur primary school.)
- Last two weeks more than 1km of pipeline has been done in kakuma one to replace old pipeline network previously occasioned by frequent breakages creating artificial shortage of water.
- Superchlorination of water ongoing hand in hand with frequent monitoring of residual chlorine levels at both tap stand and at the household level.Averages of 0.5-0.8mg/litre at household and range of 0.8-1.5 mg/litre at the tap stand level.
- Change in periods of opening of water to ensure better access for all to chlorinated water.This has been seen to have a positive effect especially in Kakuma 4.

Kalobeyei

Population in Kalobeyei currently receiving 12 litres pppd.

- Daily monitoring and reporting of filling of all water storage tanks by the water bowsers in cluster 2& 3.
- Direct pipeline to the reception centre in Kalobeyei has been completed to ease shortage and reduce reliance on trucked water.
- 6 taps in cluster 3 of Kalobeyei already connected to the main pipeline to ease on reliance of trucked water in cluster 3.Additional tap connections are ongoing in cluster 2 and Cluster3.
- 3.8km of water pipeline already done in cluster three awaiting connection to the main water pipeline.
- Continuous monitoring of water quality ongoing.

Sanitation

Kalobeyei

- 32 additional communal latrines done over the last one week with materials for 40 more already transported.
- 7 additional latrines completed at Kalobeyei reception centre after decommissioning of 7 full latrines.
- 19 latrines constructed and completed in temporary schools in cluster 2 in an effort to decongest the one school in Kalobeyei.
- All toilets in cluster 3 decontaminated with chlorine.
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Kakuma

- 14 additional temporary latrines done and complete in the Kakuma reception centre.
- Construction of 24 permanent latrines by Team and Team ongoing in at the Kakuma reception centre.
- 99 latrines decontaminated in Kakuma this week with decommissioning of over 10 latrines that were full.
- Helped 4 families reconstruct family latrines after members of this families had sold previous materials given

Hygiene Promotion

Kalobeyei

- Two hand washing facilities put up at the Kalobeyei reception centre.
- All latrines at the reception centre have Leaky tin as a shorter measure for handwashing.
- Disinfection of latrines and homes of contacts of cholera patients ongoing in Cluster 1,2&3.
- Increased Hygiene promotion at the reopened school in Kalobeyei has been started accompanied by distribution of liquid soap for handwashing by the students.
- Meeting done with community leaders in Cluster 2&3 as part of community mobilization on need for improved hygiene practices proper faecal disposal as well as early health seeking behaviour if cardinal signs are present.
- Over 400 leaky tins done in Kalobeyei done hand in hand with education and demonstration of hand-washing.
- Hand washing facilities distributed in the new school in cluster 2 as part of school decongestion.
- Daily health and hygiene messages being done at Kalobeyei reception centre.
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Kakuma

- Increased hand washing and hygiene promotion done in schools-Mogadishu,Hope,Unity,Kadolyi peace primary already done.Education of the madrassas has also been done.11 classrooms reached this week.
- Joint awareness by hygiene promoters and community health workers at household level ongoing especially in kakuma 1,2, 3&4.
- Daily hygiene messaging including handwashing demonstrations done at Kakuma reception centre daily.
- Provision of three extra hand washing points availed at the reception centre.This is further complemented by presence of leaky tins.
- Demonstration of construction of leaky tins for handwashing demonstrated in homesteads especially in Kakuma 1&4.

Cholera Coordination

-Cholerae interagency coordination done on 6.06.2017 with MoH County ,UNHCR implementing and operating partners present.Weekly interagency cholera outbreak to take place every Tuesday in the afternoon.

-WASH coordination meeting to be held on 12.06.2017 and weekly afterwards.

-Communication working group composed of Film Aid , MoH with Health and WASH partners met on 7/06/2017.To continue on weekly basis for the next three weeks.Plan for a quick KAP survey among new arrivals from South Sudan so as to develop effective messaging.

CHALLENGES

- The operation continues to receive high number of new arrivals from South Sudan(Average 1200/week) constraining already limited resources available especially water as the infrastructure in the new settlement is still being developed.
- Limited resources for the cholera response-Urgent need to avail resources to sustain the current response in both health and WASH since gaps have already been identified and quantified.
- Social-Cultural beliefs of new arrivals leading to unhygienic disposal of faeces and general poor hygiene-Need for urgent BCC strategy to gain some immediate change in behaviour even as effort are put for longer term change.
- Lack of a designated productive borehole at Nadapal transit centre continues to pose a challenge to availability of water making it a high risk area for cases to occur.