

**CHOLERA OUTBREAK RESPONSE UPDATES**  
**KAKUMA REFUGEE CAMP/KALOBYEI SETTLEMENT**  
**27/07/2017**  
**Week 9 of Cholera Outbreak**  
**Update No. 6**

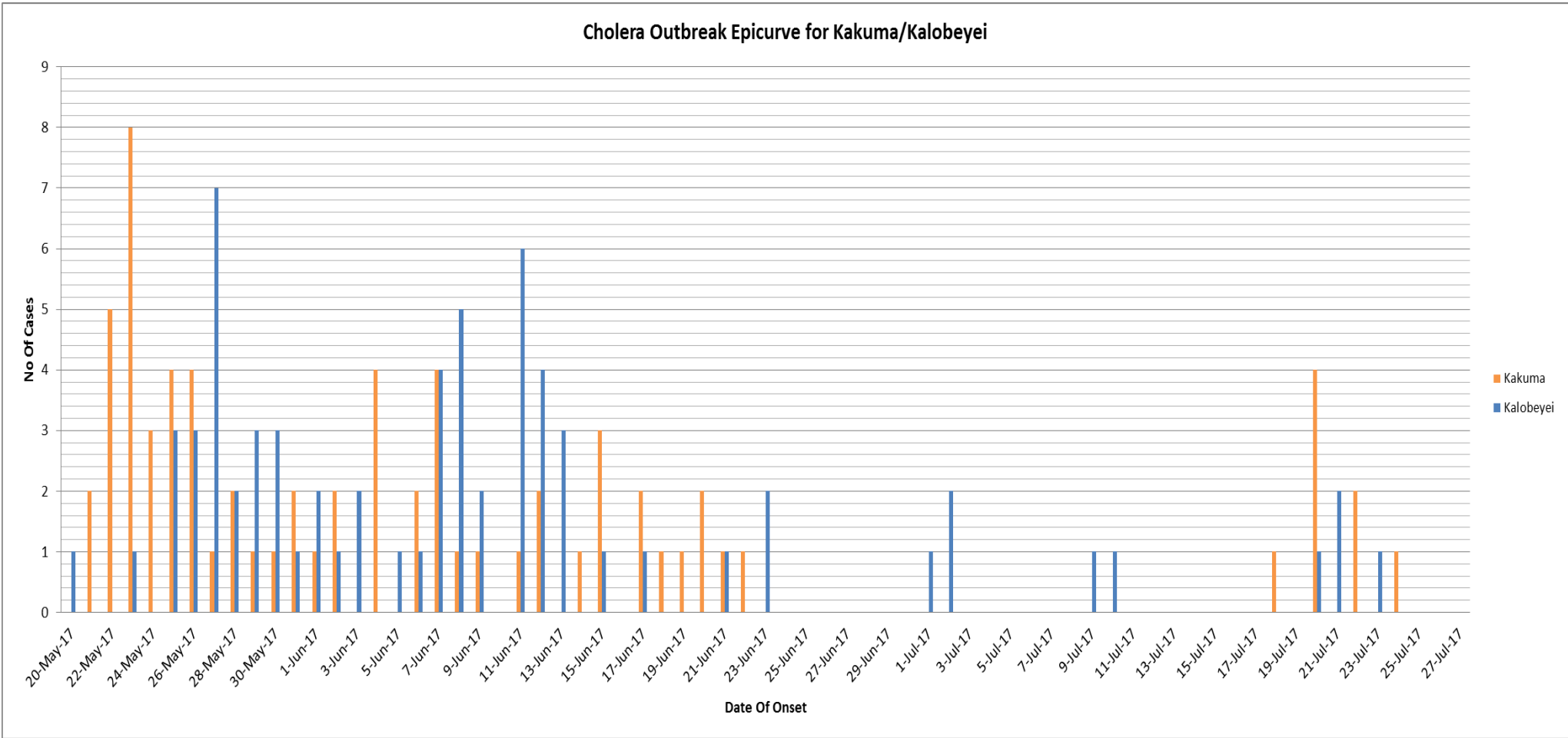


**1. Highlights**

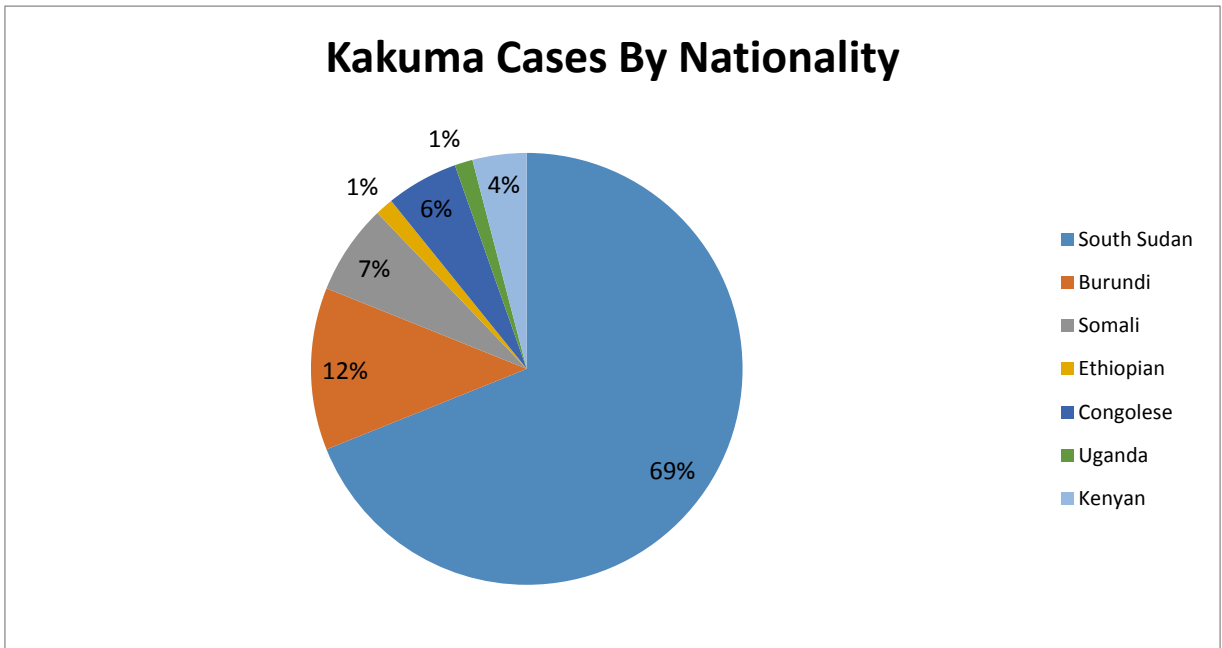
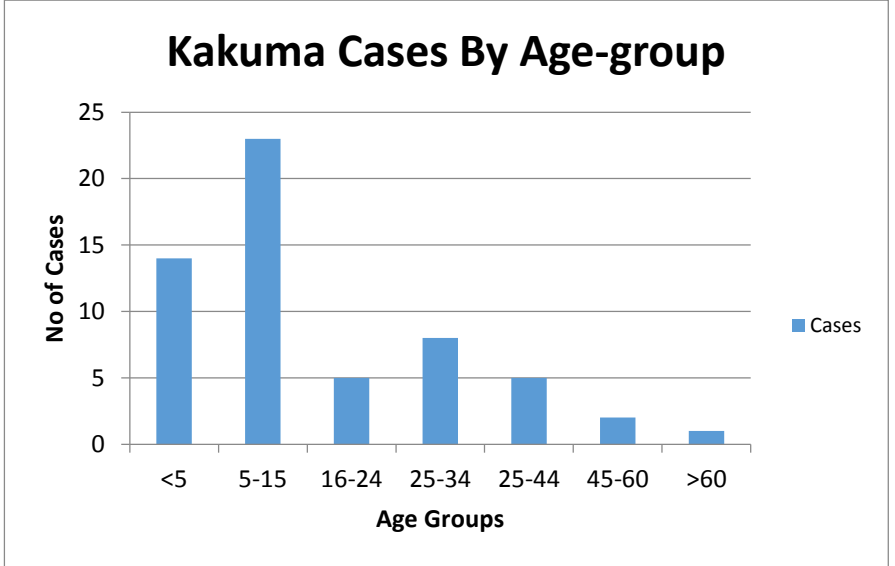
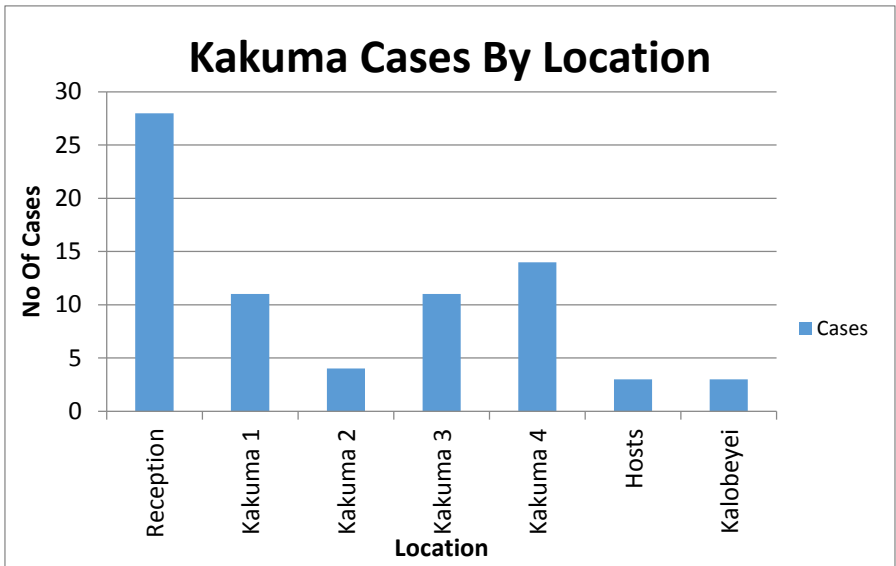
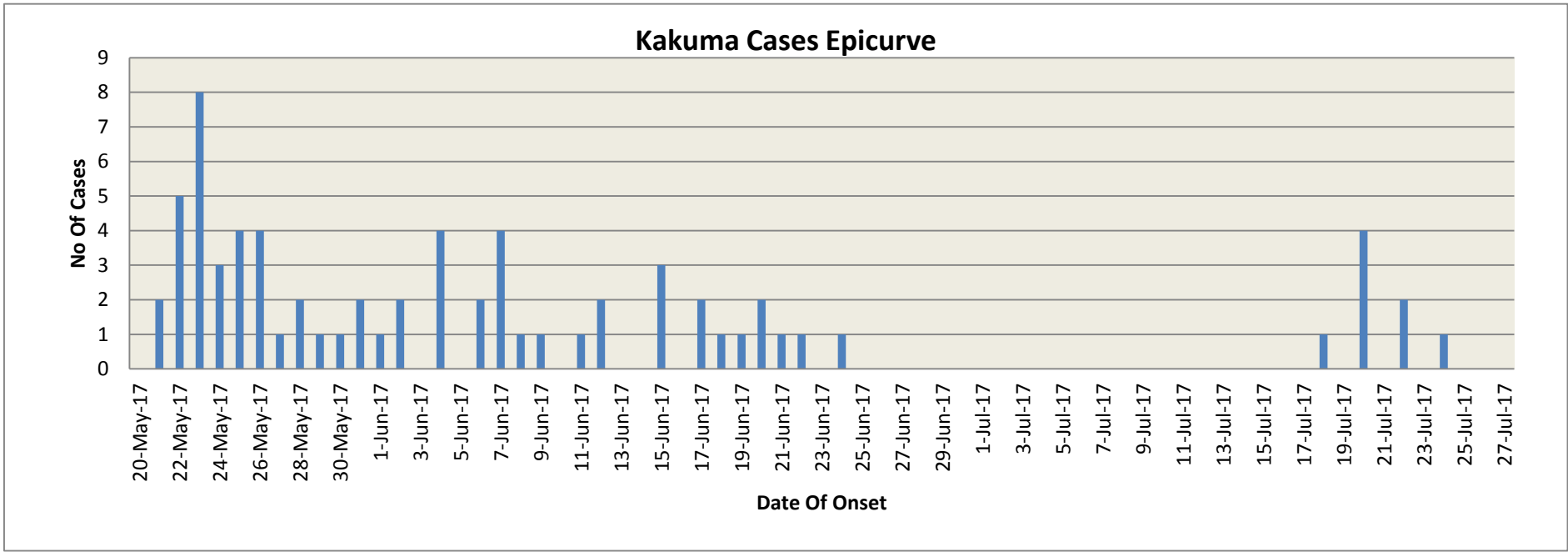
- Currently in week 9 of the cholera outbreak since the first case on 22<sup>nd</sup> May 2017 in both Kakuma refugee camp and Kalobeyei settlement
- A total of 145 patient have been line listed and treated so far, 73 in Kakuma and 72 in Kalobeyei since the outbreak started.
- No mortality has been reported giving a case fatality rate of 0%.
- The period between 22<sup>nd</sup> June and 19<sup>th</sup> July no new cases were line listed in Kakuma but Kalobeyei recorded 5 cases in this period on different days.
- Most of the new cases line-listed from 19<sup>th</sup> July have mainly come from the reception center in Kakuma and village 3 in Kalobeyei involving newly arrived refugees from both South Sudan and Burundi.
- Though the sanitation situation in the reception center has markedly improved , overcrowding crowding, feeding on cold food that is communally prepared and refugees choosing to cook for themselves in open unhygienic areas due to lack of diversity in diet served may also be contributing to cases developing in the reception centers.
- About 5 culture results have been taken for new cases recorded since 19<sup>th</sup> July for antibiotic susceptibility testing and to confirm that cholera remains the cause of the new cases though all met clinical case definition.
- We have had no new cases the last three days and there are currently no admissions in the cholera treatment centers.

**STATISTICS**

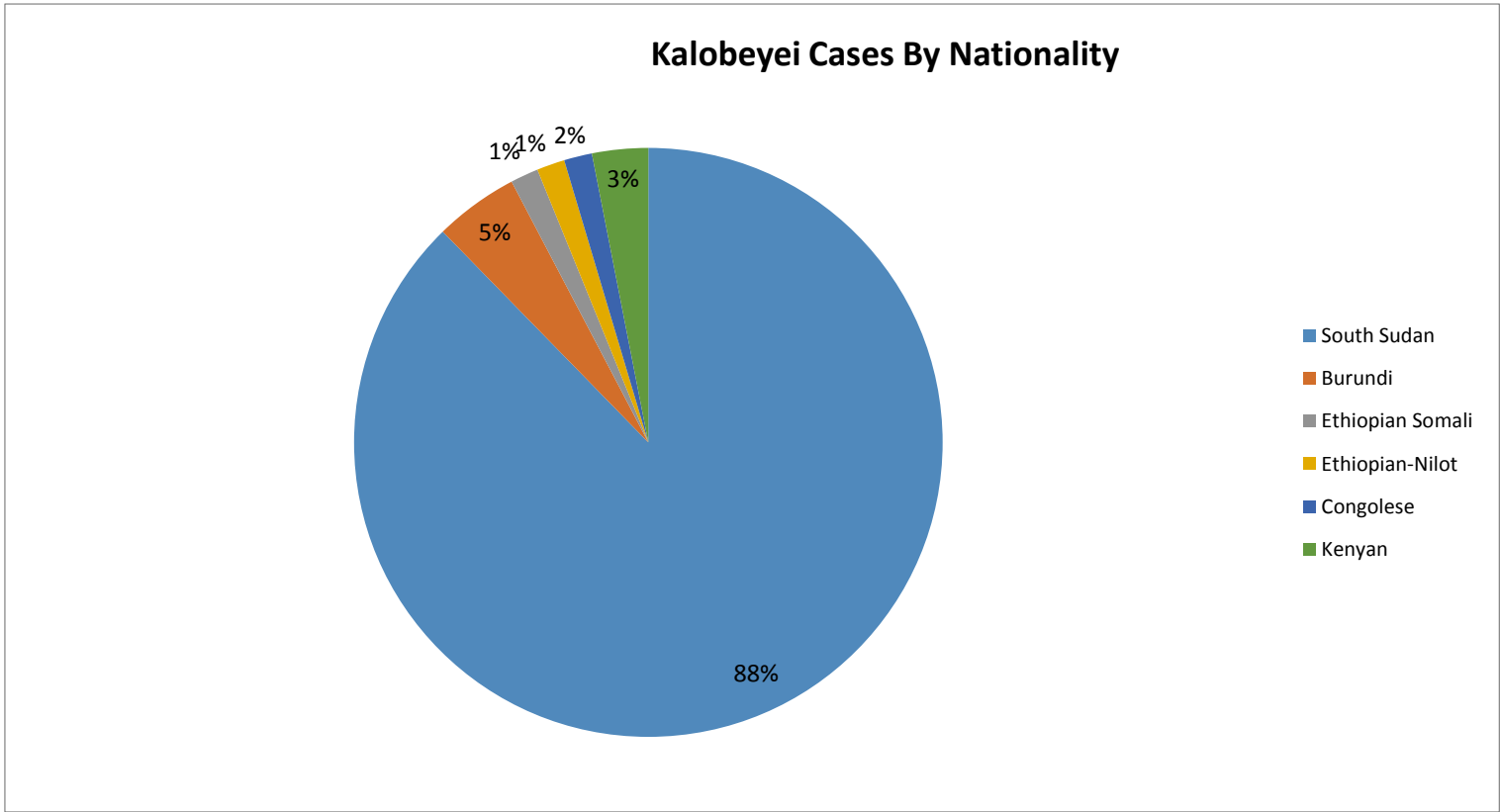
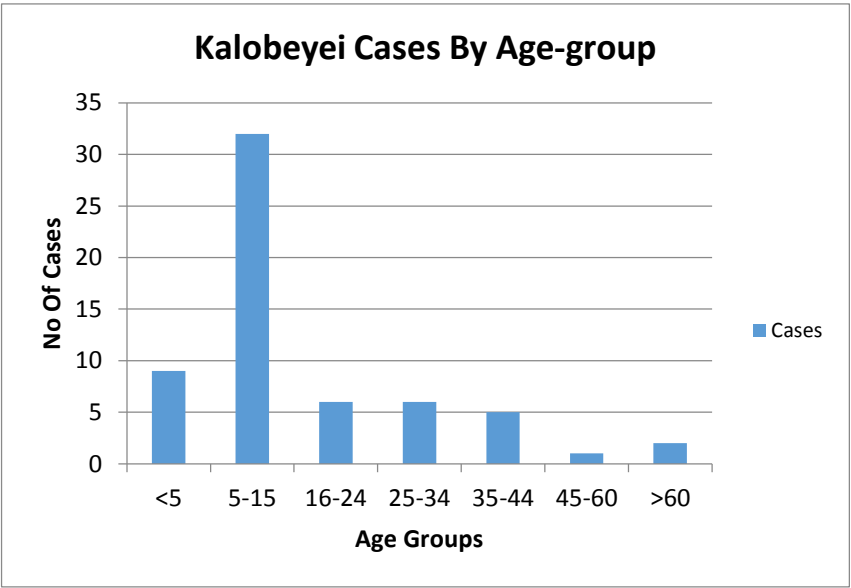
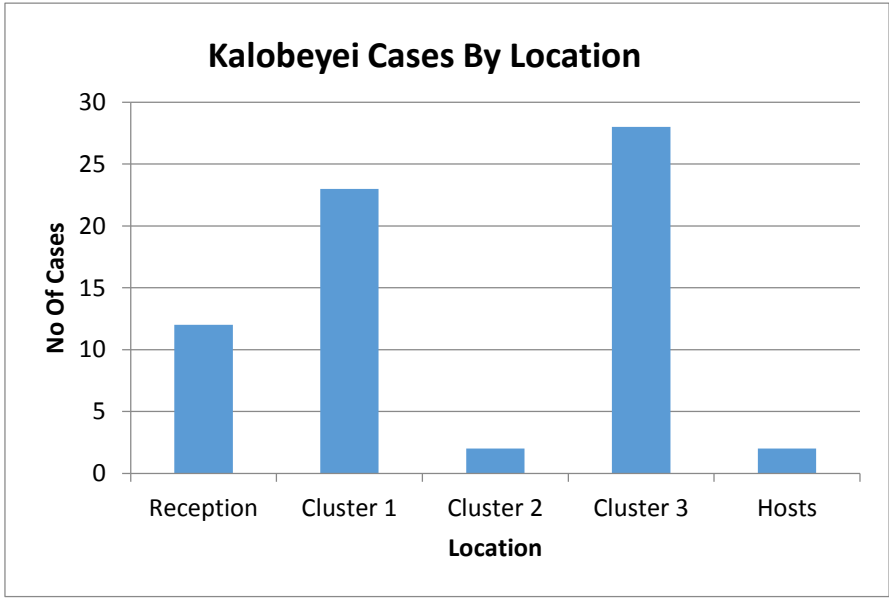
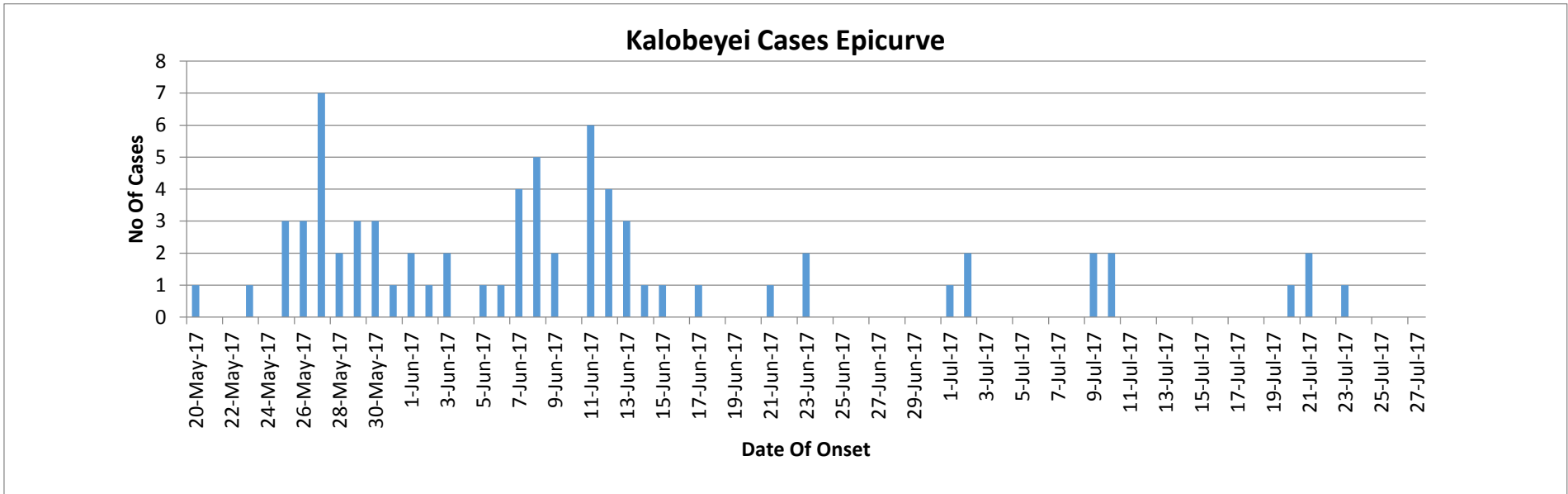
**KAKAKUMA/KALOBYEI**



KAKUMA REFUGEE CAMP



KALOBYEI SETTLEMENT



## **1. Clinical And Community Health**

### **Kakuma**

- IRC continues running one CTC located in the main hospital in Kakuma 4
- No patients currently admitted .No mortality recorded.
- Doxycycline first line treatment for moderate, severe cases and direct contacts of this cases, Erythromycin used for children and pregnant women as guided by the latest cultures
- Daily contact tracing ongoing of all cases seen at the CTC ongoing with decontamination of latrines, prophylaxis for contacts as well as targeted health messaging by the community health workers including putting up hand washing facilities at households
- Active case finding ongoing with focus on reception center in Kakuma 3 where a rehydration point has been set up.
- Targeted hygiene messaging to new arrivals being done at the reception centers from the time of arrival
- Designated ambulance with different call sign for cholera patients has been reactivated after recent surge in cases of cholera.

### **Kalobeyei**

- Kenya Red-Cross continues to run one CTC in the Cluster 1 clinic compound
- No patient currently admitted in the CTC. No mortality recorded to date
- Use of Doxycycline as first line for moderate and severe cases admitted as well as their contact. Erythromycin used for pregnant women and children as guided by latest culture and sensitivity testing.
- Contact tracing was done for all admissions with provision of prophylactic antibiotics, decontamination of latrines and homestead as well as targeted hygiene promotion messaging.
- Active case finding ongoing with focus in the reception center and Cluster 3 where new cases have mainly come from
- Continues emphasis on importance of hand hygiene at the house hold, institutions as well as at the reception centres.

## **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 remains at 24 liters pppd

- Daily testing and monitoring of water ongoing in all areas of Kakuma. Samples from Kakuma 1, 2, 3&4 show FRC levels of 0.3-0.6 mg/l at house-hold levels following super chlorination that is still ongoing.
- Testing of a new distribution system in Kakuma 4 that allows increased pressure in the system was tested with all 86 tap stands receiving water.
- New direct pipeline was completed supplying the main hospital to ensure piped water supply throughout the day.
- Over 40 stands have been repaired to ensure there is no leakage and improve access to water in various areas in Kakuma.

### **Kalobeyei**

Population in Kalobeyei currently receiving 14 liters pppd of water with

- Daily monitoring of water at tap-stand ongoing with sampling at the household levels. Average FRC of 0.2-0.4mg/l achieved at household level.
- Construction of 4 elevated steal tanks with a capacity of 100,000cubic liters each ongoing. Once complete and joined to the main water pipe the need for water trucking will be eliminated in cluster 2 and 3.
- 12 tap stands have been established in village 3 and 6 in village 2 connected to the main water pipe supply so as to supplement current water trucking that is ongoing.

### **Sanitation**

### **Kakuma**

- NRC monitored construction of over 50 household latrines in Kakuma 3&4 as replacements for old filed up latrines.
- Over 30 communal latrines done in empty plots in Kakuma 3 to facilitate settling of new arrivals in order to decongest the reception centers.
- 24 latrines done by Team and Team at the Kakuma reception center have been operationalized.
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### **Kalobeyei**

- 50 new communal latrines have been done in cluster one with a target of 356 new communal latrines to replace those that are filling up.
- NRC has embarked on mass production of latrine concrete slabs to facilitate transition to household latrines in cluster1 and 2 where families dig their own holes.

## Hygiene Promotion

### Kakuma

- Jerry can cleanup exercises been bimonthly with different dates for different blocks with NRC providing washing soap
- Started hygiene promotion messaging with emphasis on latrine use and hand-washing to new arrivals immediately they arrive from Nadapal.
- Distribution of latrine washing materials continued in Kakuma 1, 2, 3&4.
- Radio spots messaging ongoing throughout the day on 5 key steps to avoiding infection with cholera well as mass information by Film-Aid

### Kalobeyei

- Continued hygiene promotion messaging among new arrivals at the reception done every morning with also focus in cluster 3
- Mass messaging and movie screenings done by Film-Aid at reception centres as well as the new clusters.
- Distribution of lime for latrine cleaning in cluster 1, 2& 3 which also reduces smell and flies in latrines.
- Continued training for new arrivals on putting up of leaky tins for handwashing at household level

## Cholera Coordination

-Interagency Cholera coordination meeting being held every two weeks Co-chaired by UNHCR and MoH

## CHALLENGES

- Delay in settling of new arrivals leading to congestion at reception centre which continues to act as a foci for new infections-Risks here from food served and eaten while cold, cooking in unhygienic areas as food served is monotonous with no diversity, accompanied by poor hygiene practices Delay Initially caused by security concerns in Kakuma 3 but this has been resolved with decongestion taking place
- Reliance on water trucking in Kalobeyei still resulting in inadequate water supply some areas due to frequent breakdowns of water trucks this lead to people seeking water from temporary rivers which is not safe for drinking-Reticulation system anticipated to be complete by end of September 2017. Meanwhile NRC will do very targeted distribution of water purifying tablets.
- Limited resources continue to delay adequate interventions especially latrine construction, procurement of enough medical supplies and drugs.

Incase of further clarification or information kindly reach out to any of the below officers

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