



Yobe State Cholera Outbreak Situation Report

No. 66: 26th November-2nd December 2018

Yobe State Ministry of Health

Highlights:

- Cholera reactive vaccination exercise conducted between 26th November-2nd December, 2018 in Gulani LGA
- 12 new suspected cholera cases were reported between 26th November- 2nd December from 2 LGAs (Damaturu and Gulani)
- 12 new samples were collected and tested, and yielded positive result for cholera using RDT.
- 0 death was reported.

Epidemiological Summary:

The total number of suspected cholera cases reported in Yobe state is 1,812 with 61 associated deaths (CFR 3.37%). In the state, up to 591 cases have been reported in Gulani LGA, 485 cases in Gujba LGA and 488 cases in Damaturu LGA. In Fune LGA, 181 cases were reported and 67 cases were reported in Potiskum LGA.

Out of 147 samples collected and tested using cholera RDTs, 132 (89.8%) were positive and 15 (11.1%) were negative. Again, 13 (57%) out of 23 samples cultured were positive for *Vibrio Cholerae*. However, 9 positive samples were taken to national reference laboratory for quality checks and further analysis samples. *Vibrio Cholerae* O1 (Inaba) serotype was isolated in 4 out of the 9 samples.

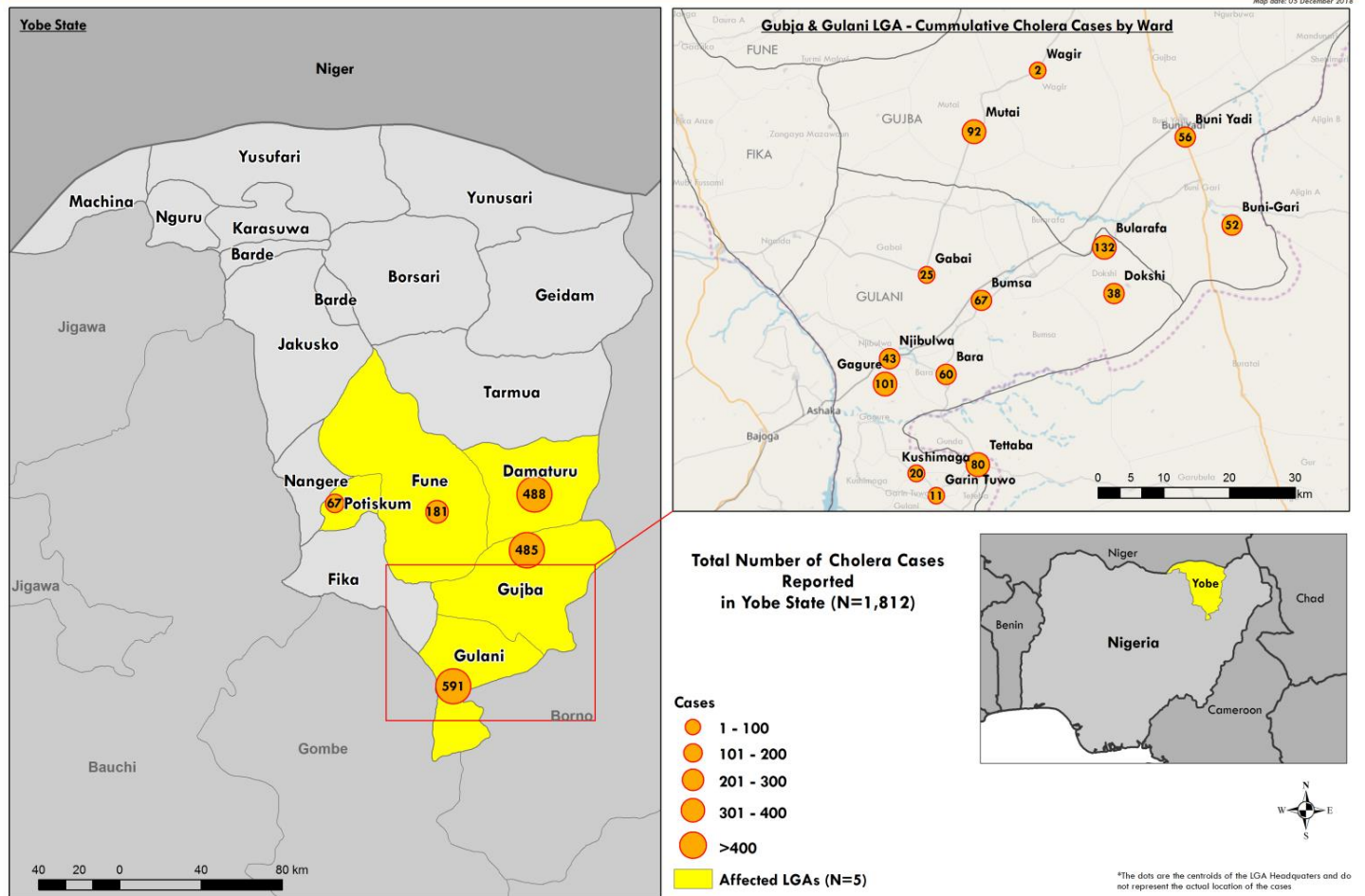
Table 1: Summaries of suspected cholera cases in Yobe State from July to 2nd December 2018.

| Cases | Gulani | Gujba | Damaturu | Fune | Potiskum | Total |
|------------------------------------|-----------------------------|-------|----------|------|----------|-------|
| | New suspected cholera cases | 1 | 0 | 11 | 0 | 0 |
| Cumulative suspected cholera cases | 591 | 485 | 488 | 181 | 67 | 1812 |
| Number of wards in the LGA | 12 | 10 | 11 | 13 | 10 | 56 |
| Number of wards affected | 10 | 8 | 11 | 9 | 10 | 48 |
| Deaths | | | | | | |
| New deaths | 0 | 0 | 0 | 0 | 0 | 0 |
| Cumulative deaths | 20 | 19 | 6 | 12 | 4 | 61 |
| Laboratory | | | | | | |
| Number of specimen tested (RDT) | 39 | 13 | 83 | 12 | 0 | 147 |
| Specimen Positive RDT | 36 | 12 | 75 | 9 | 0 | 132 |
| Pending result for RDT | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of samples cultured | 8 | 8 | 6 | 1 | 0 | 23 |
| Specimen Positive Culture | 5 | 4 | 3 | 1 | 0 | 13 |
| Pending result for Culture | 0 | 0 | 0 | 0 | 0 | 0 |

Twelve new suspected cholera case were reported in Yobe state between 26th November- 2nd December 2018, showing the consistent decrease in number of cases compared to that previous week (Fig. 2). Eleven cases were reported from Damaturu (Fig 10). One case was reported from Gulani (Fig 4). No new case was reported from Gujba (Fig 6) in 5 weeks, no new case from Fune (Fig 8) in 6 weeks and Potiskum LGA has not reported any case in 11 weeks (Fig. 12).



Yobe State, Nigeria - Number of Cholera Cases Reported from 22nd August to 2nd December 2018



Data source:
Yobe State Ministry of Health
World Health Organization, OpenStreetMap

World Health Organization (WHO)
Map production: WHO Health Emergencies Programme

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status

Figure 1: Map of Yobe State showing number of suspected cholera cases in affected wards and LGAs

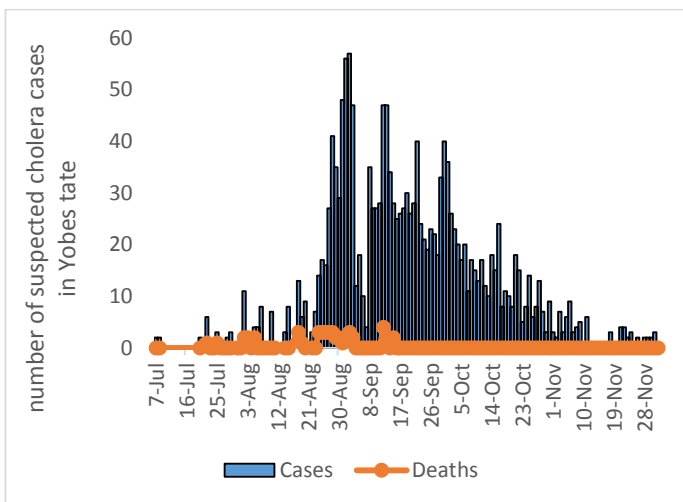


Figure 2: Epi-curve of suspected cholera cases in Yobe state.

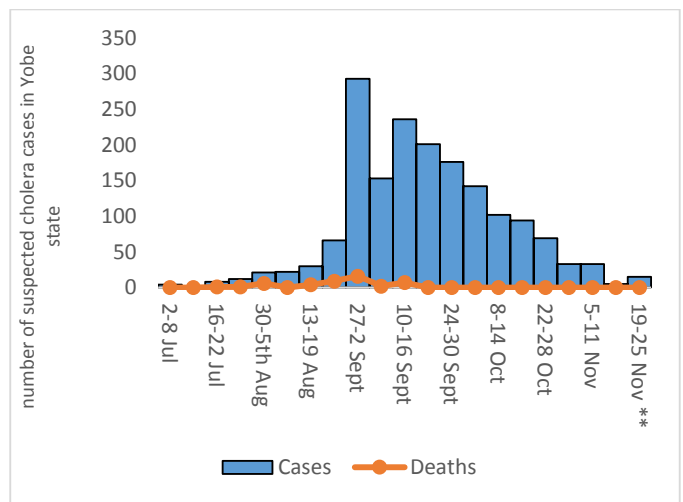


Figure 3: Epi-curve of suspected cholera cases in Yobe state.

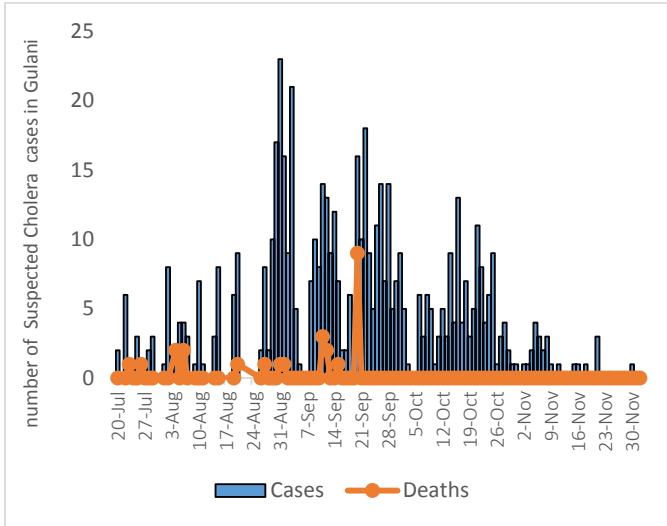


Figure 4: Epi-curve of suspected cholera cases in Gulani LGA.

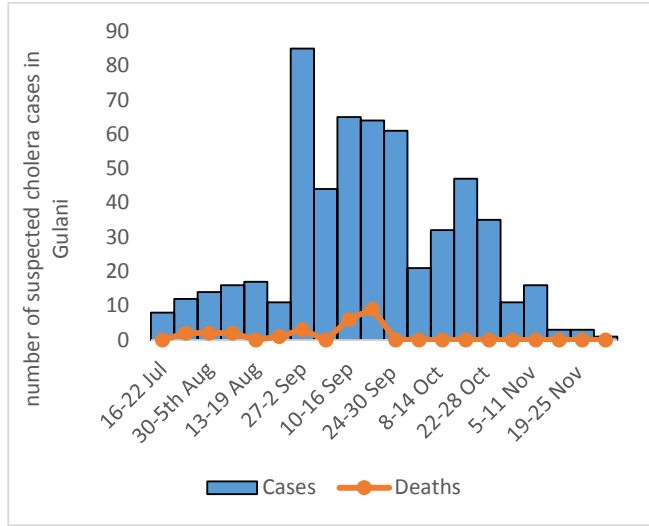


Figure 5: Weekly Epi-curve of suspected cholera cases in Gulani LGA.

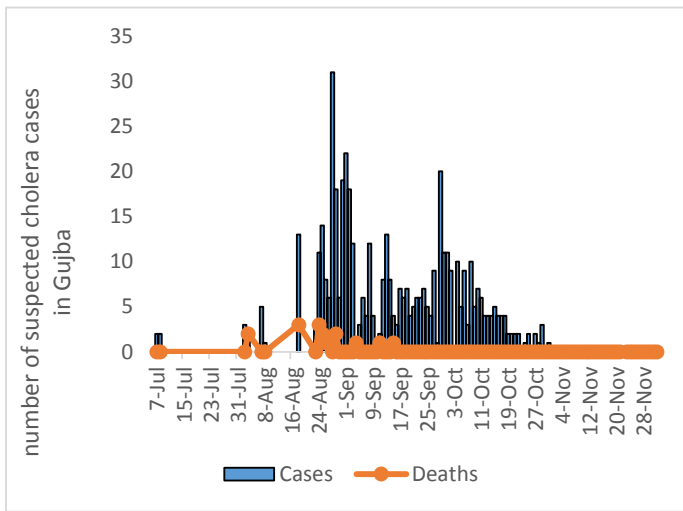


Figure 6: Epi-curve of suspected cholera cases in Gujba LGA.

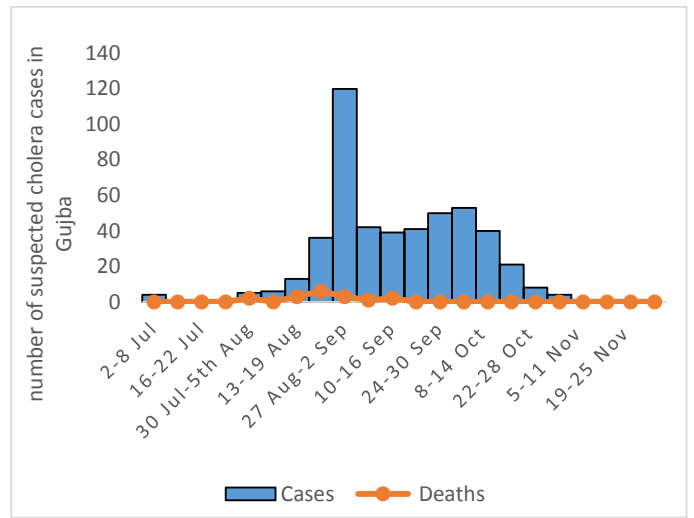


Figure 7: Weekly Epi-curve of suspected cholera cases in Gujba LGA.

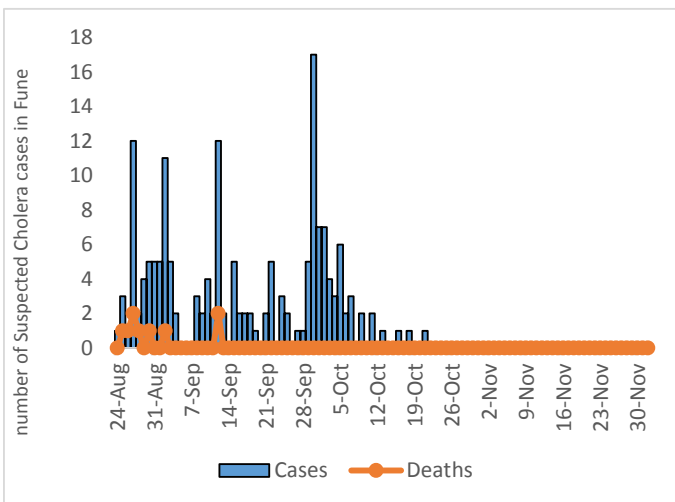


Figure 8: Epi-curve of suspected cholera cases in Fune LGA.

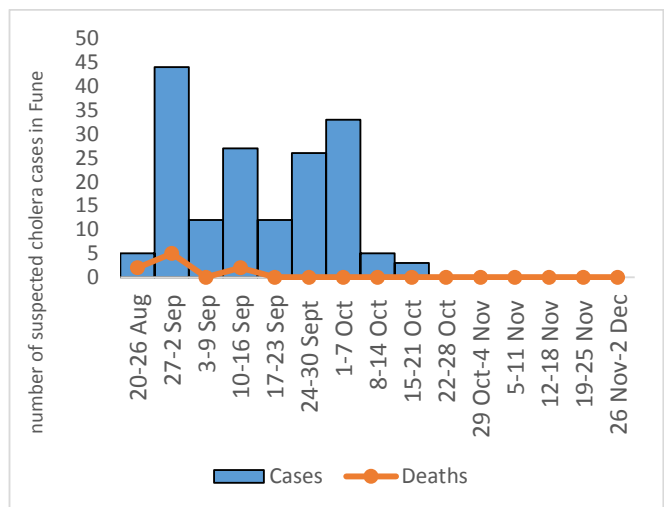


Figure 9: Weekly Epi-curve of suspected cholera cases in Fune LGA

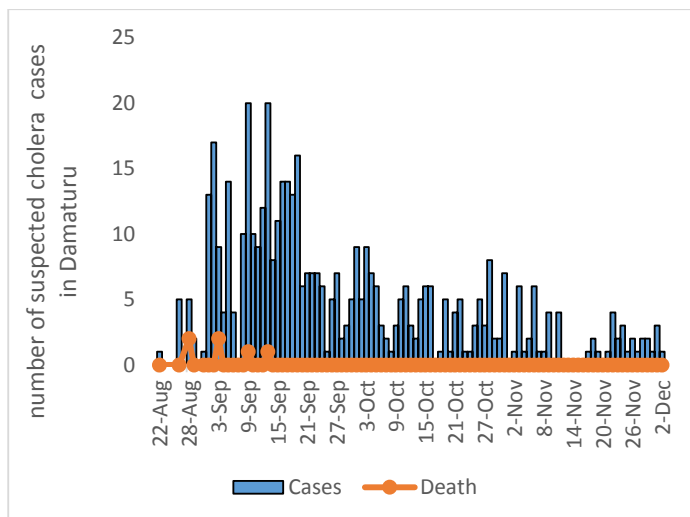


Figure 10: Epi-curve of suspected cholera cases in Damaturu LGA.

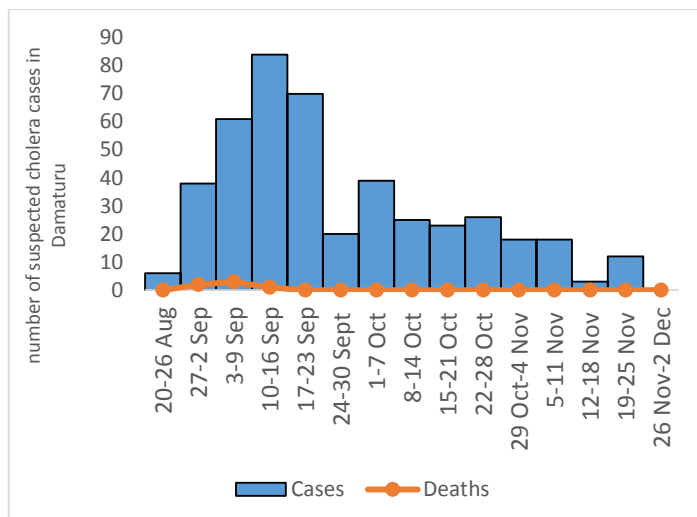


Figure 11: Weekly Epi-curve of suspected cholera cases in Damaturu LGA

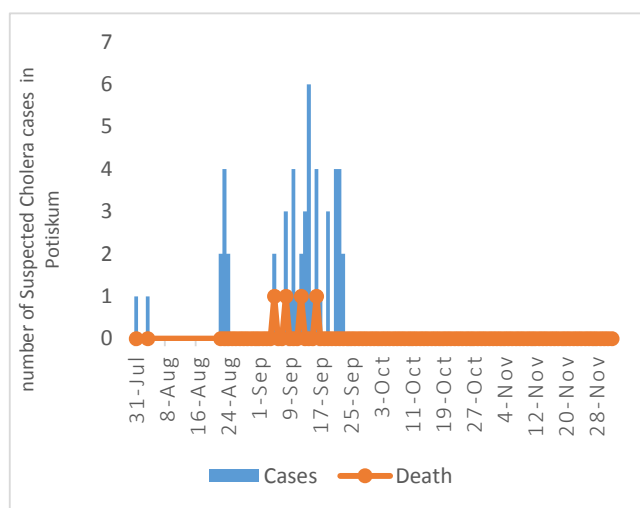


Figure 12: Epi-curve of suspected cholera cases in Potiskum LGA.

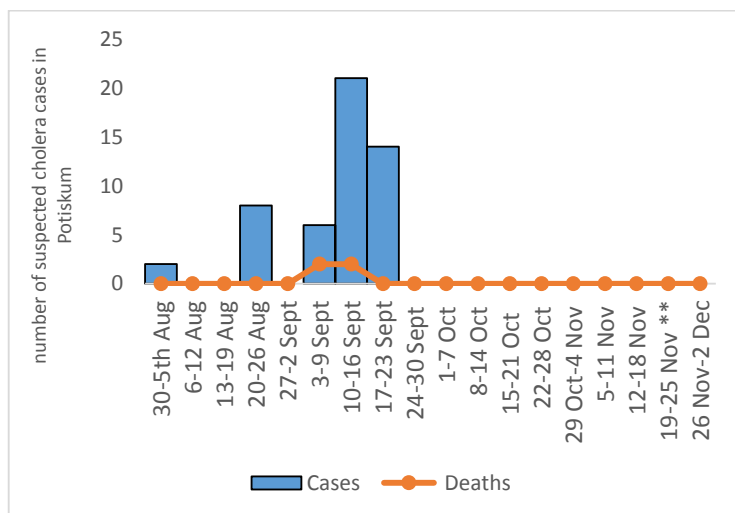


Figure 13: Weekly Epi-curve of suspected cholera cases in Potiskum LGA.

Response Activities

Surveillance:

- Conducted sporadic testing of new suspected cholera cases using RDT and culture.
- WHO have supplied additional cholera test kits to all affected LGAs and prepositions some in the state. The commodities include; carrier Blair, culture plates and RDT pack.
- Continues line listing of all new suspected cholera cases within the city and neighboring communities
- Surveillance teams comprising MSF-Spain supported volunteers, WHO-supported EHAs, HTR teams and LGA RRT team have continued active case search in communities and health facilities in Gulani, Gujba, Fune and Damaturu.
- WHO- and MSF-Spain -supported teams conducted house-house visits in affected LGAs reaching up to 325 households in three days. No suspected cholera case was identified.
- Priority areas have been identified and communicated to WASH and risk communication teams to scale-up interventions.

Case Management:

| | Gulani | Gujba | Damaturu | Fune | Potiskum | Total |
|-------------------|--------|-------|----------|------|----------|-------|
| Admissions | | | | | | |
| New admissions | 1 | 0 | 11 | 0 | 0 | 12 |
| New Discharges | 1 | 0 | 11 | 0 | 0 | 12 |
| On admission | 0 | 0 | 0 | 0 | 0 | 0 |

- No suspected cholera case was reported in Potiskum LGA since 24th September 2018.
- No mortality was reported over two months in all affected LGAs.

Risk Communication:

- Risk communication teams are supporting community sensitization by religious leaders during mosques and churches sermon
- WHO communications team is collaborating with Yobe State Broadcasting Corporation (YBC) and Yobe State Television (YTV) to continue awareness creation and risk mitigation campaigns through mass media in the state
- Action Against Hunger (AAH), MSF-Spain, International Rescue Committee (IRC) and UNICEF- supported volunteers continue to sensitize community members on hygiene promotion and risk mitigation. Teams are also demonstrating to community members proper hand washing and water purification, and are educating them on dangers of open defecation around homes and water sources.
- The teams have collectively reached up to 2145 households in Damaturu, Gujba, Fune and Gulani LGAs between 26th-November-2nd December 2018.

WASH:

- Community health volunteer supported by WHO continue to strengthening house-house hygiene promotions, health educations as well as disinfections of household in Damaturu, Gulani and Gujba LGAs
- UNICEF, AHH, MWR and RUWASA supported teams are intensifying response activities through bucket-to bucket chlorination, clearing of drainages and refuse dumps, and disinfecting households in Gulani and Damaturu LGAs.

Coordination:

- LGA RRTs in Gulani and Damaturu LGAs are conducting regular local coordination meetings to ensure targeted response in few areas that reported cases in the past 3-4 days.
- SMOH and SPHCMB with the support from NPHCDA monitor and coordinate the cholera reactive vaccination in Gulani
- State RRT meetings take place on Mondays, Wednesdays and Fridays to review the situation in the state, mobilize resources and offer technical guidance to LGAs team to halt transmission of infection in the few remaining areas.

Reactive Vaccination:

- SMOH, WHO, MSF-Spain and partners conducted review and planning meeting for Oral Cholera Vaccination (OCV) campaign which is set to commence on 26th November, 2018, in Gulani LGA.
- MSF-Spain, SMOH and WHO conducted necessary resources and personnel for implementation and supervision of 5-day vaccination exercise. LGA level training of the personnel has been conducted
- NPHCDA has deployed staff to provide supervisory support during the exercise.

- Completed first round of cholera reactive vaccination exercise in Gulani LGA through collaboration of SMOH, NPHCDA, SPHCMB, WHO, UNICEF and MSF-Spain.
- Total people targeted for vaccination in Gulani LGA with (Oral Cholera Vaccine) is 102,528. Total people vaccinated after 5- days of implementation is 68,620, achieving a coverage of 67%.
- The intervention was constrained by BHT attacks on some communities around Gulani LGA during implementation, insecurity in the general area and bad geographical terrain