

# CHOLERA OUTBREAK IN KATHMANDU VALLEY

29<sup>th</sup> June 2022

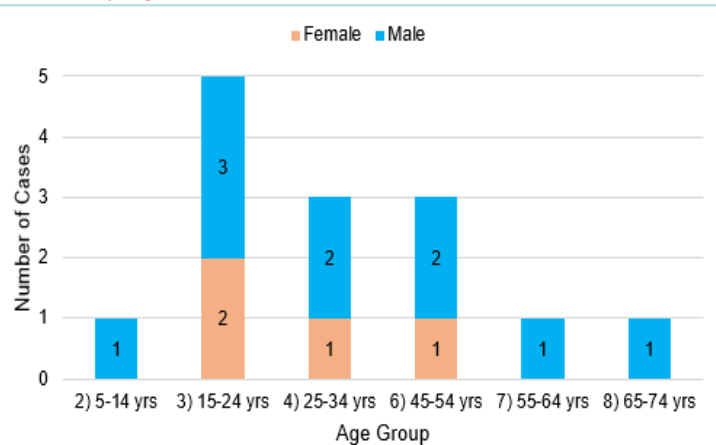
Ministry of Health and Population  
Department of Health Services  
Epidemiology and Disease Control Division  
Kathmandu, Nepal



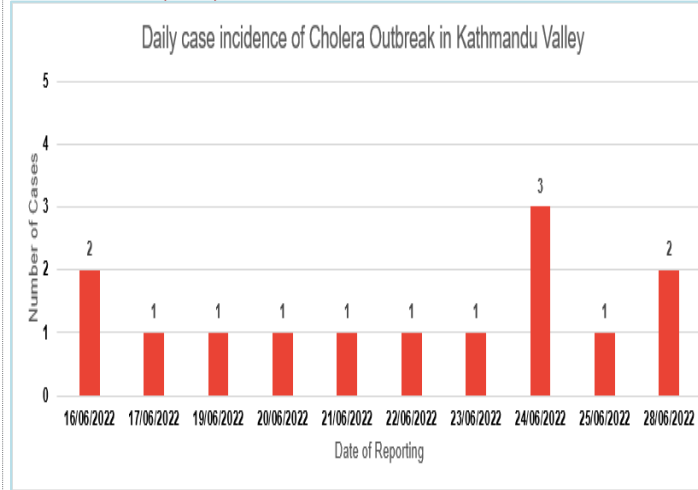
## Highlights

- As of 29 June 2022, a total of 14 cases of Cholera has been reported which is sporadic.
- Cholera was confirmed by stool culture in 8 cases, RDT in 5 case and hanging drop in 1 case.
- Sukraraj Tropical and Infectious Disease Hospital (STIDH) reported 2 cases on 16 June, 1 case on 17 June, 1 cases on 19 June with an additional case on 21 June 2022. Two cases are residents of Bagbazaar, Kathmandu-28; 1 case is resident of Sanepa, Lalitpur-3; 1 case from Dilibazaar, Kathmandu and 1 case from Boratar, Balaju, Kathmandu-16.
- On 20<sup>th</sup> June, Patan Academy of Health Sciences (PAHS) reported 1 microbiologically confirmed case of Cholera through EWARS, resident of Kapan, Budhanilkantha-10.
- The first two cases reported from STIDH belonged to same family and household and worked in Dillibazar area in a furnishing shop. Initial field investigation conducted by joint team from Kathmandu DHO, Metropolitan, EDCD, DFTQC and WHO revealed using tap water for drinking purpose without boiling. Initial case investigation of other two cases revealed that source of drinking water was commercial jar water.
- 4 samples of stored tap, Jar and ground water from index case household and workplace found coliform contamination
- Till date, 2 patient is ongoing treatment at hospital.
- Out of 49 water samples taken and tested jointly by DWSSM, EDCD, KUKL, 35 samples showed contamination with E.coli.

## Cases by age and Sex



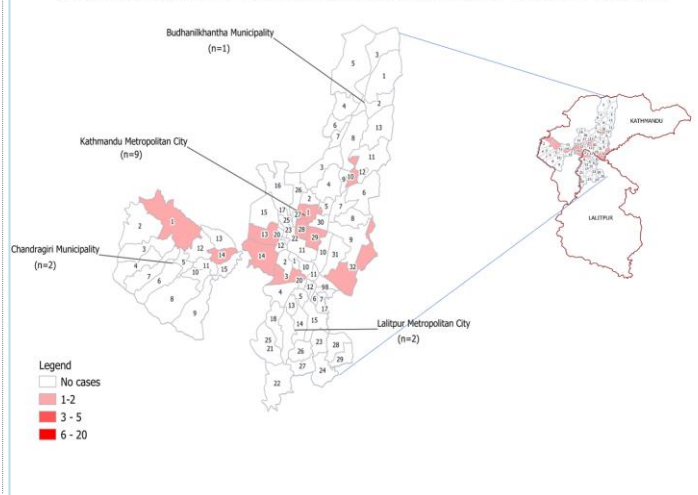
Epidemic curve of reported cases of Cholera in Kathmandu Valley, as of 29<sup>th</sup> June 2022 (n=14)



## Key figures



Ward-wise distribution of Cholera cases in Kathmandu Valley: 16<sup>th</sup> June to 29<sup>th</sup> June 2022



## Activities of response and plan:

- On 19<sup>th</sup> June 2022 EDCD conducted **emergency meeting** on preparedness and response of Cholera involving all stakeholders from DoHS, STIDH, Kathmandu DHO, and Metropolitan.
- Press brief sent** to HEOC and released by MoHP
- Team division and workplan** has been formulated after meeting with concerned stakeholders
- On 20<sup>th</sup> June 2022 A team from EDCD along with District team conducted **field epidemiological investigation of Index case**
- Door to door case finding** activities ongoing
- 2<sup>nd</sup> stakeholder meeting emphasized on **water purification and treatment, and to conduct water and food surveillance.**
- Awareness program like distribution of IEC materials, miking has been conducted in ward 28 ( bagbazaar), ward 29 ( dillibazaar) .
- Essential medicines and RDT support being asked.
- Joint water surveillance at outbreak site ongoing
- RRT Lalitpur** and **RRT team Kathmandu** oriented on outbreak investigation and surveillance in support to WHO.
- Under the chairmanship of CDO, Lalitpur HO organized and finalized WASH related action plan on 26<sup>th</sup> June, 2022.
- NEOC meeting to engage multi-stakeholders
- All the schools (GoN and Private) formal letter has been circulated by KMC in response to cholera outbreak.

## Plan

- To set up water testing booth at different sites.
- Continued surveillance and field investigation and WASH interventions
- Mass awareness campaign reaching schools and vulnerable population

## Pictures

