

# CHOLERA OUTBREAK IN KATHMANDU VALLEY

16<sup>th</sup> July 2022

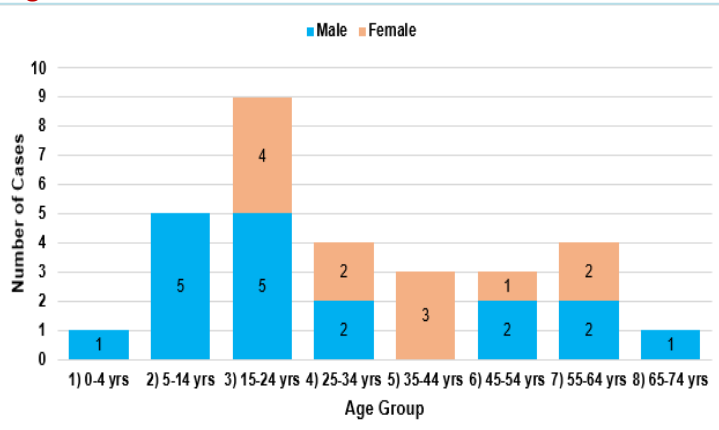
Ministry of Health and Population  
Department of Health Services  
Epidemiology and Disease Control Division  
Kathmandu, Nepal



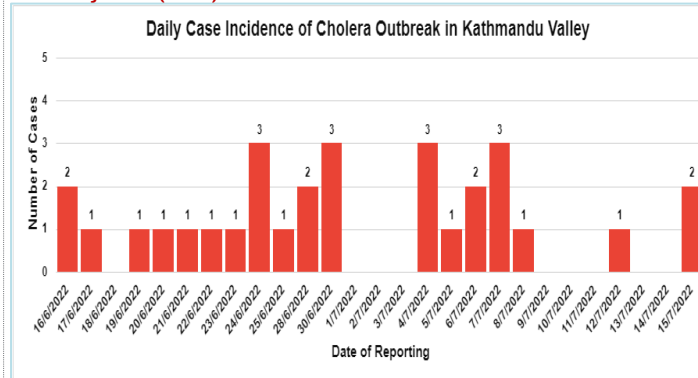
## Highlights

- As of 16<sup>th</sup> July 2022, a total of 30 cases of Cholera has been reported
- Zero case** reported in last 24 hours
- Cholera was confirmed by stool culture in 11 cases, 11 by RDT and hanging drop in 6 cases.
- Sukraraj Tropical and Infectious Disease Hospital (STIDH) reported 2 cases on 16 June, 1 case on 17 June, 1 case 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 contamination with coliform
- Out of 62 water samples taken and tested jointly by DWSSM, EDCD, KUKL, 41 samples showed contamination with fecal E.coli.
- KVWSMB conducted spot test of Free Residual Chlorine (FRC) in 21 tankers and out of them, 10 were not detected with FRC.
- Out of 44 water sample tested, 10 tested for fecal E.coli in Kathmandu valley.

## Age and Sex Distribution



Epidemic curve of reported cases of Cholera in Kathmandu Valley, as of 16<sup>th</sup> July 2022 (n=30)



## Key figures



Cases  
**30**



Related deaths  
**0**

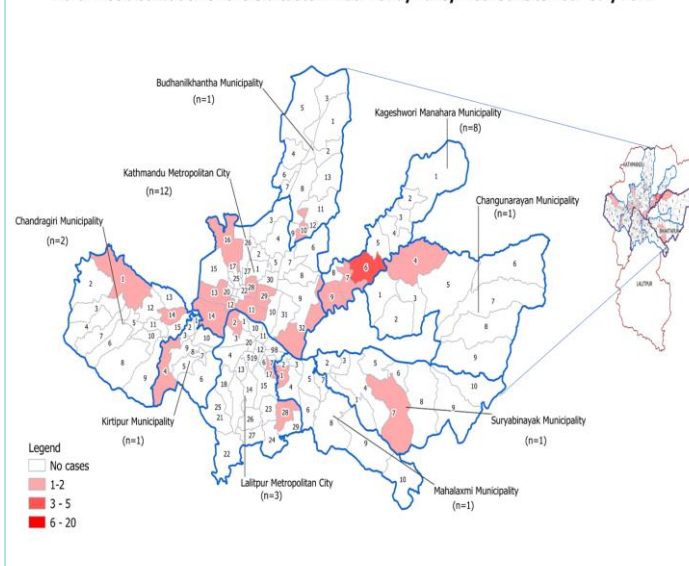


CFR  
**0%**



Children ≤5  
**3**

Ward-wise distribution of Cholera cases in Kathmandu Valley: 16th June to 16th July 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 HO, and Metropolitan.
- Press brief sent to HEOC and released by MoHP
- Team division and workplan has been formulated after meeting with concerned stakeholders
- On 1<sup>st</sup> of July 2022 A team from EDCD along with District team conducted field epidemiological investigation at Kirtipur and brought 6 samples of three cases.
- On 6<sup>th</sup> July, EDCD director briefed on cholera outbreak on regular press brief at NTV.
- Booth campaign that was conducted in Ward 13,14,16,28 and 29 of Kathmandu Metropolitan City, 402 households voluntarily brought their drinking water for testing using Presence/Absence (H2S) vial between June 16 to June 23,2022. Out of those tested and results received (76), 10 samples were found positive with coliform and 66 samples were found to be negative.
- Altogether 256 households have collected Piyush from the booths from various locations so far.
- On 9<sup>th</sup> July 2022, EDCD team visited Mulpani Municipality Hospital to investigate surge in cases of Cholera detected by RDT.
- On 12 July 2022, Kageshwari Manahara Municipality organized WASH orientation program to improve safe drinking water supply and plan RCCE activity.
- On investigation from EDCD, WHO and UNICEF, no cases of AWD was found in Mulpani Hospital.
- On 7<sup>th</sup> July 2022, Emergency meeting was held for surge in COVID cases and discussed rising cases of COVID, Cholera and Dengue.

## Plan

- Continue setting up water testing booth at different sites.
- Continued surveillance and field investigation in Lalitpur area.
- Meetings to review the progress by all stakeholders.

