

CHOLERA OUTBREAK IN KATHMANDU VALLEY

1st August 2022

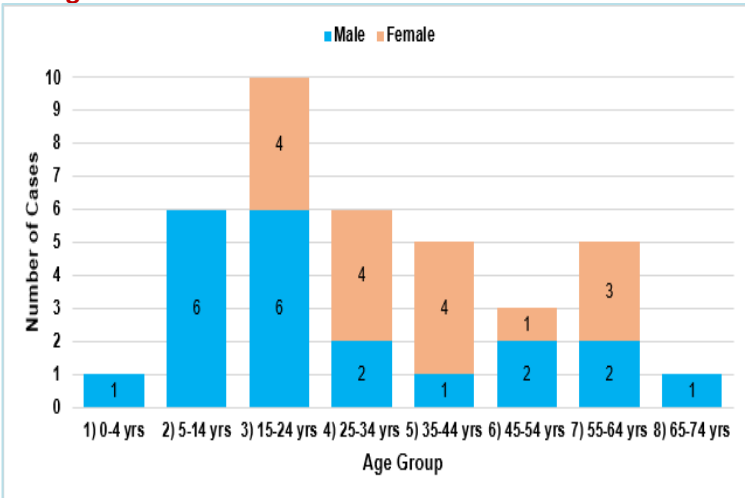
Ministry of Health and Population
Department of Health Services
Epidemiology and Disease Control Division
Kathmandu, Nepal



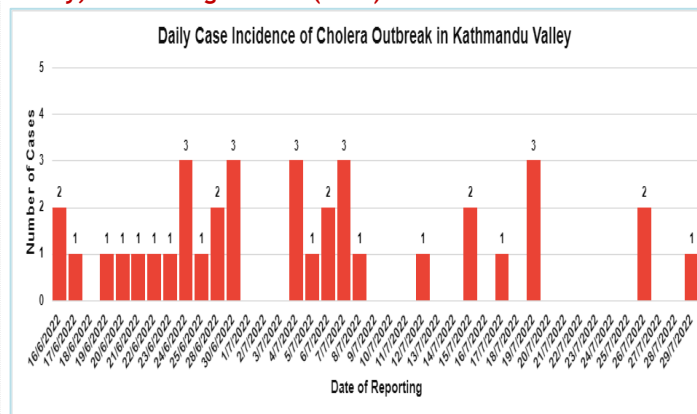
Highlights

- As of **1st August 2022**, a total of **37 cases** of Cholera has been reported in Nepal from Kathmandu, Lalitpur, Bhaktapur and Nuwakot district.
- No new** case of Cholera was detected in last **24 hours**.
- 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 20th 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.

Age and Sex Distribution



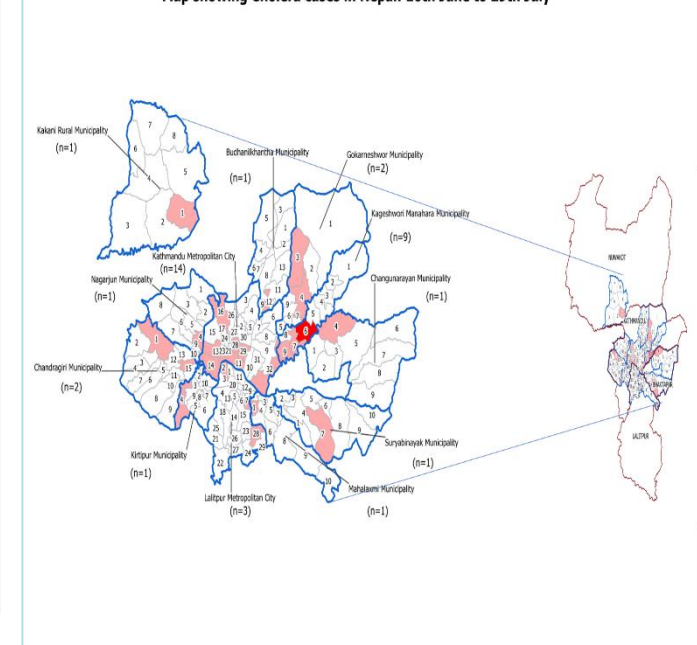
Epidemic curve of reported cases of Cholera in Kathmandu Valley, as of 1st August 2022 (n=37)



Key figures



Map showing Cholera cases in Nepal: 16th June to 29th July



Activities of response and plan:

- On **19th 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 **1st 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 **6th 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.
- On **29th July 2022**, **Stakeholders and National WQS committee meeting on water quality surveillance and Cholera Outbreak Response in Kathmandu Valley** was held at EDCD to discuss and review cholera response. All key stakeholder including Kathmandu and Lalitpur HO participated and updated on the ongoing response.

Plan

- Continued surveillance and detailed field investigation
- Sit regularly to review progress on response
- Plan water surveillance and water testing capacity
- Review and update existing guidelines for safe drinking water

