

CHOLERA OUTBREAK IN KATHMANDU VALLEY

3rd July 2022

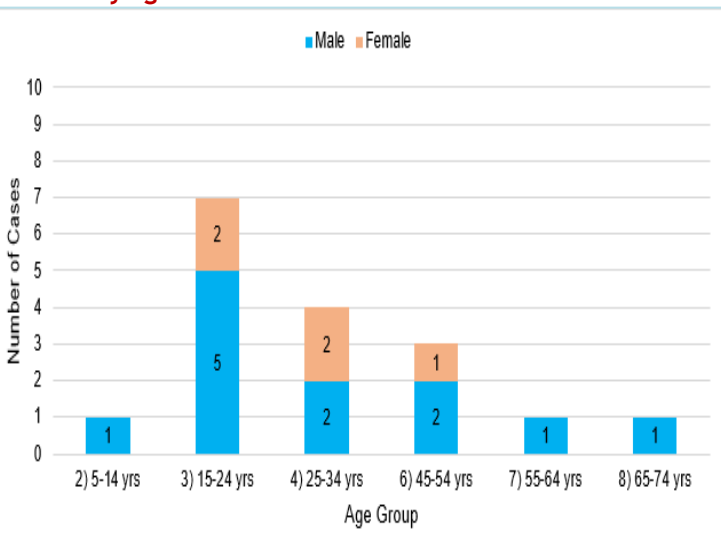
Ministry of Health and Population
Department of Health Services
Epidemiology and Disease Control Division
Kathmandu, Nepal



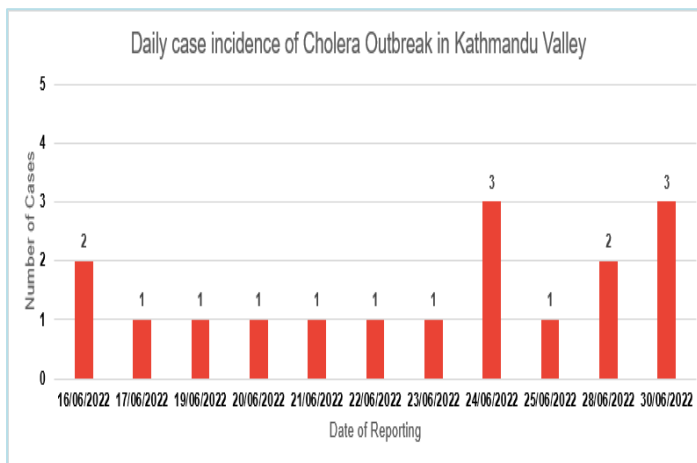
Highlights

- As of 3rd July 2022, a total of 17 cases of Cholera has been reported which is sporadic in occurrence.
- Cholera was confirmed by stool culture in 10 cases, RDT in 5 case and hanging drop in 2 cases.
- 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 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
- Till date, 1 patient is ongoing treatment at hospital and 2 cases are under investigation
- Out of 62 water samples taken and tested jointly by DWSSM, EDCD, KUKL, 41 samples showed contamination with fecal E.coli.

Cases by age and Sex



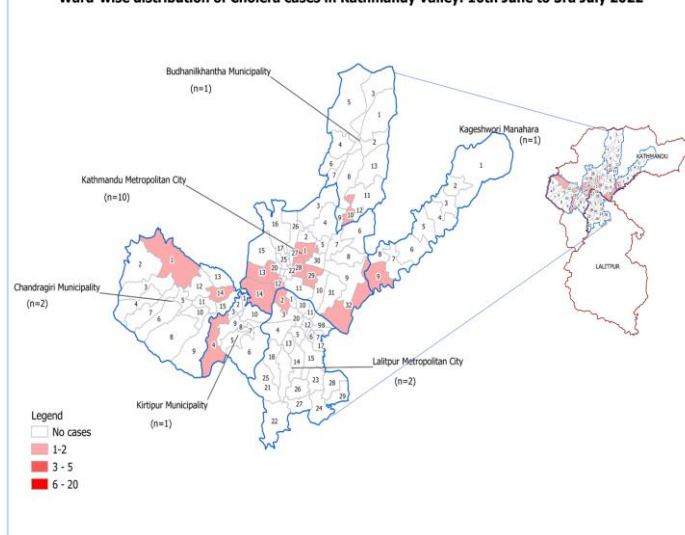
Epidemic curve of reported cases of Cholera in Kathmandu Valley, as of 3rd July 2022 (n=17)



Key figures



Ward-wise distribution of Cholera cases in Kathmandu Valley: 16th June to 3rd July 2022



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 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 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.**
- Door to door case finding** activities ongoing
- 2nd stakeholder meeting emphasized on **water purification and treatment, and to conduct water and food surveillance.**
- On 8th Asar, **steering committee for enteric disease meeting** was held with main action points.
- Joint water surveillance at outbreak site ongoing
- RRT Lalitpur and RRT team Kathmandu** oriented on outbreak investigation and surveillance in support to WHO.
- On 26th June 2022, **under the chairmanship of CDO, Lalitpur HO organized.**
- All the schools (GoN and Private) formal letter has been circulated by KMC in response to cholera outbreak.
- Work undergoing as **per NEOC workplan**
- PMO briefed on Cholera outbreak and response.
- Self-testing booth** has been established at Kalimati-13,29 area and Dillibazar, ghattekulo in coordination with local government, WASH cluster, **UNICEF and ENPHO and Piyush distributed to household at kalimati**
- Plan**
- Continue setting up water testing booth at different sites and FCHV training for door-to-door awareness.
- Continued surveillance and field investigation and WASH interventions

