

CHOLERA OUTBREAK IN KATHMANDU VALLEY

5th July 2022

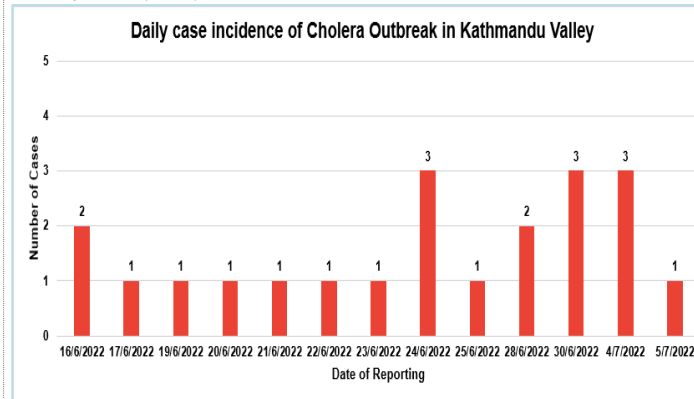
Ministry of Health and Population
Department of Health Services
Epidemiology and Disease Control Division
Kathmandu, Nepal



Highlights

- As of **5th July 2022**, a total of **21 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 **4 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, 3 patient is ongoing treatment at hospital.
- 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

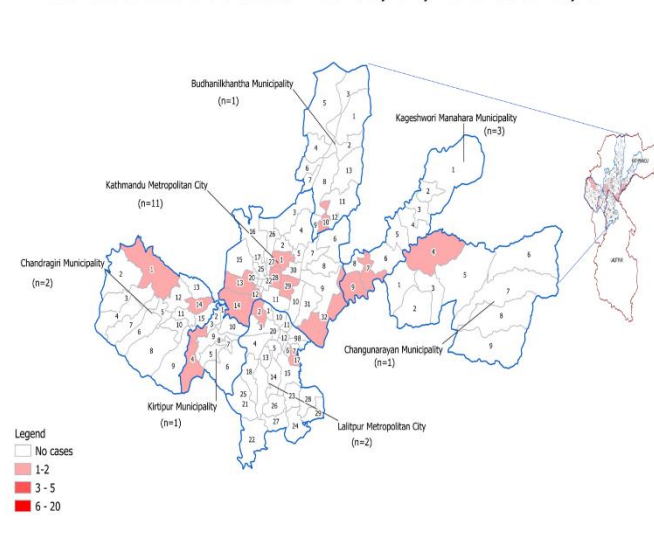
Epidemic curve of reported cases of Cholera in Kathmandu Valley, as of 5th July 2022 (n=21)



Key figures



Ward-wise distribution of Cholera cases in Kathmandu Valley: 16th June to 5th 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.
 - 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**
 - RDT kits being distributed to hospitals reporting cases of Diarrhea.
 - 16 Water samples** were collected and tested in **Department of Health Services (DoHS)**.
 - DWSSM team** also provided training to 8 HO laboratory of Kathmandu, Bhaktapur and Lalitpur to conduct water testing using water test kits.
- Plan**
- Continue setting up water testing booth at different sites.
 - FCHV training for door-to-door awareness.
 - Continued surveillance and field investigation and WASH interventions
 - On-site investigation of suspected cases that is notified.



Cases by age and Sex

