**Branch Outbreak Response Team: Household Risk**

Audience: Branch staff and senior volunteers.

Session Length: 2h 45 min theory and group work; 1h 30 min practical

Overall purpose: For participants to know how to identify case households and clusters of at-risk households, transmission routes in cholera and person-to-person (COVID-19) disease at Household level and interventions BORT can undertake in the household while linking with community interventions to ensure there is no duplication.​​

Objectives:

Know how. By the end of the session participants will understand:

* Transmission routes: faecal oral and waterborne disease in a household​
* Food-borne disease and the role of water in further spread in households with poor hygiene and unprotected stored water. ​
* Risks for person-to-person transmission (SARS-Cov-2). ​
* Effective interventions to break faecal oral and water-borne transmission routes at HH level. ​
* Effective interventions to break food-borne transmission at HH level​
* Effective interventions to break person-to-person transmission. ​
* Content of the Household Hygiene and Disinfection kits ​

Show how. By the end of the session, participants will be able to carry out the following in case households:

* Practically implement interventions to break faecal oral and water-borne transmission routes using the Household Hygiene and Disinfection kit (HHD).
* Practically implement interventions to break food-borne transmission using the HHD.
* Practically implement interventions to break person-to-person transmission using the HHD kit.
* Community engagement including monitoring.

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| **Time** | **Session and facilitator notes** | **Resources needed** |
| 10 mins | Introduction and Objectives | PPT |
| 20 mins | **Cholera and households**  Introducing the role of households in transmission  Learning points:   * Proximity to case households is a risk factor * Why household interventions are important * Visiting households | PPT |
| 30 mins | **Activity 1**  Activity to demonstrate the assessment of risk in households.  Learning points:   * Thinking about the usual transmission routes of Cholera covered in module 2, make a list of questions and 'show me' requests you will ask the members of the household. ​ * Put these in 4 categories: Water, Sanitation and hygiene, Handwashing and Food. ​ * Circle 'community link' questions * 15 min group discussion ​ * 15 min presentation​ | Flip chart pens |
| 15 mins | **Break** |  |
| 35 mins | **Risks within the household**  Description  Learning points:   * List the main risks – water, food, excreta, contact points and soiled materials * Dealing with the immediate risks from cases - safely disinfecting household items and soiled materials in case household | PPT |
| 40 min | **Actions within the household**  Learning points:   * Actions to reduce cholera transmission in the case household   + Treatment of Water ensuring residual chlorine (serving techniques preferably from a bucket with tap)   + Hygiene during handling of food, safe storage and not sharing eating implements   + Personal hygiene before, during and after contact and proximity to case​ (if still present)   + Use of latrines and disinfecting common sanitation and hygiene locations​ | PPT |
| 15 mins | **Actions to prevent COVID 19 Transmission at Household Level**  Action where there is a case of COVID-19 in a household  Learning points:   * Carry out disinfection of surfaces and shared facilities​ * Isolate/shield the case ensuring distancing from other households​ * Encourage regular handwashing in the home and make facilities for this available * Ensure community support to give supplies, clean water, etc., for vulnerable people (long term conditions, older) where the household cannot provide this for itself | PPT |
| 1h | **LUNCH** |  |
| 40 mins | **The household hygiene and disinfection kit ​**  Introduction to the materials in the kit and their uses  Learning points:   * Contents of kit * Appropriate applications for disinfection * Other materials to reduce risk of onward transmission | PPT  HHD Kit |
| 30 mins | **Practical**  **Getting to know the kit, risk assessment and actions**   * Get familiar with the HH kit​ * Get familiar with the volunteer kit​ * Get familiar with the household risk assessment​ * Scenario Activity (assessing risk) | PPT |
| 15 min | **Coordination between household and community teams**  Learning points:   * Why coordination is important * Using information from case household to inform community space interventions​ * Prioritizing treatment of the water at source used by the case household before other sources |  |
| 5 min | **Review of main points**   1. Those in case households have a much greater risk of infection and should be targeted immediately​ 2. V. cholerae is hyper-infective during the first 7 to 10 days of shedding​ 3. Awareness of IPC around patient care in the home​ 4. Key areas to cover are: water treatment, storage and serving; food hygiene; safe excreta disposal (use of latrines); personal hygiene when in proximity to case; and hygiene with sanitation​ 5. Coordinate household information and actions with those aimed at the community |  |