**Health Emergencies in Large Populations (H.E.L.P.) Course**

**Outbreak Investigation and Control**

**Time allocated 90 minutes**

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| **Final Educational Objective: What should participants be able to do at the end of the course** | **Enabling Objectives: The interim steps that build on each other and lead to the final educational objectives** | **Core issues /reference topics** |
| 1. *Participants are able to* explain the approach to disease outbreak investigations and justify the most adequate control measures in an acute or protracted crisis situation | * 1. *Participants are able to* explain the indicators describing an outbreak | * Indicators of an outbreak:   + Epidemic curve   + Attack rate   + Reproductive number   + Case fatality rate   + Incubation period   + Duration of infection   + Serial interval |
| * 1. *Participants are able to* describe the main steps of an outbreak investigation | * Objectives of the investigation * Steps of outbreak investigation   + Relate the investigation to the response |
| * 1. *Participants are able to* describe different types of control measures used in crisis situations | * The disease dictates the response * Rational and objectives of using the different control measures   + Case management, isolation, vaccination, contact tracing, alerts follow up, safe burial, control and prevention of infection in hospital and health care settings (CPI), water, sanitation and habitat /public health engineering |