



## Outbreak Investigation Workshop

### Background:

The workshop will take participants through a real outbreak related to chemical contamination of food. We will go over the development of a case definition, clinical toxidrome assessment, a surveillance tool, laboratory confirmation, an exposure questionnaire and a case control studies. We will also go over communication of risk to the public and publication of the results of the investigation.

### Objectives:

1. Prepare for field work
2. Establish the existence of an outbreak
3. Verify the diagnosis
4. Construct a working case definition
5. Find cases systematically and record information
6. Perform descriptive epidemiology
7. Develop hypotheses
8. Evaluate hypotheses epidemiologically
9. As necessary, reconsider, refine, and re-evaluate hypotheses
10. Compare and reconcile with laboratory and/or environmental studies
11. Implement control and prevention measures
12. Initiate or maintain surveillance
13. Communicate findings

**Agenda:**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
08:00 – 08:30	Welcome, Introductions to the course and objectives Divide class into 3 groups that will each handle one outbreak scenario Brief Presentation of 3 Outbreaks	Dr. Ziad Kazzi
08:30 – 08:50	Introduction to Investigating an Outbreak: What is an outbreak and when do you investigate, what is an event?	Mr. Nabil Ahmed
08:50 – 09:30	Group Assignments: Create your case definition Set up case identification and propose a surveillance System	Mr. Nabil Ahmed Dr. Ziad Kazzi Dr. Badria Alhatali
09:30 – 10:00	Introduction to Surveillance Data collection	Mr. Nabil Ahmed
10:00 - 10:20	<b>Break</b>	
10:20 – 10:50	Descriptive epidemiology Case-Control Studies	Dr. Souheil Saadat Dr. Shahram Lotfipour
10:50 – 11:10	Confirmation of cases Resources in the region	TBD
11:10 – 11:40	Communicate an update about your findings	Individual groups spokespeople
11:40 – 12:00	Communicating with the Public: Lessons learned from outbreaks in the EMRO region	Dr. Ziad Kazzi Dr. Badria Alhatali

**Faculty:**

- Ziad Kazzi, MD, FACMT
- Sohail Saadat, PHD
- Shahram Lotfipour, MD
- Nabil Ahmed, MPH
- Badria Alhatali, MBBS, FACMT