

Population Health Modeling: Day 2

Check-In



Brief Review

Basic philosophical and ethical principles for public health research and public health modeling

Brief Overview

LARP

Part 1 Summary

- A five-day sporting event is held in New Haven, Connecticut.
- Three days into the event a local emergency room sees 4 cases involving vomiting, diarrhea, bloody stool, and onset respiratory distress
- All patients attended the same event
- 30 more patients with similar symptoms were treated the next morning
- Authorities initially suspect a GI infectious etiology
- Investigators collected food and water samples and interviewed food vendors
- An unlabeled container of unknown powdery residue was discovered
- Estimate 20,000 people were exposed to suspected source

Part 2 Summary

- All interviewed persons ate at Clean Pizza Restaurant
- Most common food consumed were pepperoni pizza and parmesan cheese topping
- Investigators suspect an unusual chemical may be present in food
- Based on the investigation, issue is most likely associated with parmesan cheese
- Field testing started on the parmesan cheese shakers and bulk packages
- Rapid Response Team finds traces of ricin in parmesan cheese shakers

Part 3 Summary

- Health officials issue an order to stop all food operations and to evacuate all convention center areas
- FBI, FDA, CDC and USDA are all notified and involved in the investigation
- Interviews with Clean Pizza Restaurant management identify source of contaminated parmesan as the Safe Food Distribution Company.
- RRT and law enforcement in involved states and other agencies quickly collaborate to determine source and extent of contamination.
- CDC Laboratory confirms presence of ricinine in multiple urine samples
- Investigators are able to determine basic information about the source and spread of contaminated parmesan cheese

Preview

- The “real” work starts next week
- We should be coding by Tuesday!

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