

11. What precipitates these agencies getting involved?

The high number of deaths and the investigation of an outbreak

12. What is the role of these agencies?

These agencies find out what the virus is and other factors of the disease. They also inform citizens on how to fight diseases and to make a vaccine.

13. What is the time frame from onset to manifestations of symptoms i.e. incubation period and then to death?

Under 10 days
3-10 days

14. What are the actions taken by the CDC in terms of containing the infection?

Quarantine, investigations, contact tracing, and lab testing

15. What is an "R naught" (R_0)?

The contagiousness and transmissibility of infectious pathogens.

16. What do the investigators do to protect themselves?

Use proper equipment such as PPE, masks, gloves, and suits

17. Calculate the mortality rate from the disease in the first 7 days in Minneapolis?

87 cases and 15 deaths

17% mortality rate

18. What does the epidemiologist from the WHO do to track the progression of the disease?

Try to find the cause of the disease and identify who is at risk.

19. What is an epidemic? versus a Pandemic?

Epidemic refers to a disease that affects a large number of people within a community, population, or region. A pandemic is an epidemic that spreads over multiple countries or populations.

20. What is a quarantine?

Quarantine separates and restricts the movement of people who were exposed to a contagious disease.

21. Why does the husband not get sick? What type of immunity does he have?

The husband doesn't get sick because he is immune to the virus. He has active immunity.