Contagion Movie Guide

* Mitch Emhoff (husband)
* Elizabeth "Beth" Emhoff (Businesswoman; married to Mitch)
* Jory Emhoff (Biological daughter of Mitch)
* Dr. Ellis Cheever (CDC)
* Aubrey Cheever (Dr. Cheever’s wife)
* Alan Krumwiede (Blogger)
* Dr. Erin Mears (Epidemic Intelligence Service Officer with CDC)
* Dr. Leonora Orantes (Epidemiologist with the WHO)
* Dr. Ally Hextall (CDC scientist)
* Dr. Ian Sussman (Scientist researching the virus)

1. What were some of the symptoms of the disease?
2. What major body systems are affected by the disease? *(Hint: Pay attention to the symptoms.)*
3. How many days had elapsed when the World Health Organization (WHO) got involved? \_\_\_\_\_\_\_\_\_\_The Centers for Disease Control (CDC)? \_\_\_\_\_\_\_\_\_\_\_\_\_
4. What does Dr. Mears, an Epidemic Intelligence Service Officer, state about how many times a person touches their face each day?
5. What is meant by the R-0 (R-naught) number?
6. Can a person be contagious and not show symptoms?
7. When representatives from Homeland Security met with Dr. Cheever of the CDC, what were their concerns regarding the origination of the disease?
8. Why does Dr. Mears urge Mr. Barnes to get off the bus as soon as possible?
9. In the early research of the virus, what two types of genetic codes are found in the structure?
10. What analogy do the scientists use to explain how the virus enters a cell?
11. What is the technical name given to the virus?
12. By day 12, how many people were estimated to have been infected?
13. What is the name of the homeopathic supplement the blogger, Alan Krumwiede, is promoting and using to try and combat the disease?
14. After spending time in quarantine, Mr. Emhoff is determined to be immune. If he is immune, can his biological daughter get sick?
15. Why do the Chinese officials kidnap Dr. Leonora Orantes, the epidemiologist from the WHO?
16. Why is the CDC so concerned about not telling the public about the full extent of the spread of the virus?
17. How many people died of Spanish Flu in 1918?
18. Why can’t Mr. Emhoff and his daughter go into Wisconsin?
19. During the course of the epidemic, the virus ends up mutating from what was originally discovered, which in turn changes the R-0 value. What R-0 value do they originally give for the virus? \_\_\_\_\_\_\_\_\_\_\_\_\_ What do they change the R-0 to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. Without a vaccine, how many people are predicted to contract the disease after it has mutated?
21. What is happening in Mr. Emhoff’s hometown on Day 26?
22. As a vaccine is being developed, how did Homeland Security initially want to administer the vaccine?
23. What does Dr. Hextall ultimately do to test the prototype vaccine?
24. Once the vaccine has been developed and is being manufactured, how does the CDC decide who will get the vaccine?
25. If Jory’s boyfriend, Andrew, had not gotten the vaccine, how long would they have had to wait to have their prom?
26. When Dr. Orantes finally gets the call that there is a vaccine available, does she get the actual vaccine? If not, what does she get?
27. Did Mr. Krumwiede, the blogger, ever end up having the disease? Explain your answer.
28. What does Dr. Cheever do with his dose of the vaccine?
29. Explain where and how the MEV-1 virus actually ends up mutating and then getting into the human population.

1. Who ended up being the index patient?