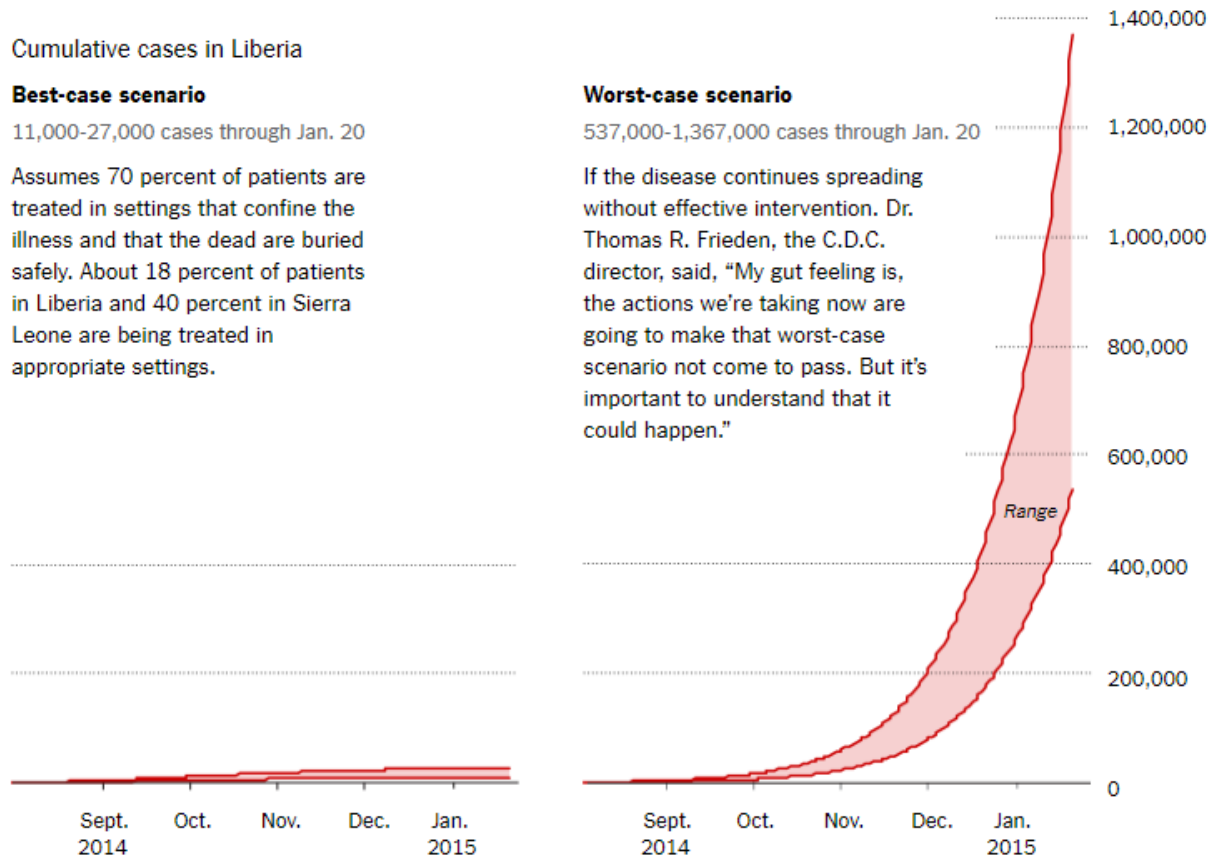## How Many People Could Become Infected? UPDATED OCT. 14

The W.H.O. reported on Oct. 14 that the number of new Ebola cases could reach 10,000 per week by December. The C.D.C. published a report in September that outlined a worst-case situation, in which the total number of cases could reach 1.4 million in four months. The C.D.C.'s model is based on data from August and includes cases in Liberia and Sierra Leone, but not Guinea (where counts have been unreliable). It also projects further into the future and adds ranges to account for underreporting of cases.

Cumulative cases in Liberia

Best-case scenario

11,000-27,000 cases through Jan. 20

Assumes 70 percent of patients are treated in settings that confine the illness and that the dead are buried safely. About 18 percent of patients in Liberia and 40 percent in Sierra Leone are being treated in appropriate settings.

Worst-case scenario

537,000-1,367,000 cases through Jan. 20

If the disease continues spreading without effective intervention. Dr. Thomas R. Frieden, the C.D.C. director, said, "My gut feeling is, the actions we're taking now are going to make that worst-case scenario not come to pass. But it's important to understand that it could happen."

Source: Centers for Disease Control and Prevention
An earlier version of this chart was mislabeled. The chart shows cumulative cases in Liberia, not in Liberia and Sierra Leone.

Please describe the following, in FULL, COMPLETE sentences with proper grammar and spelling. I am looking for thoughtful analysis and critical thinking.

1) What are these graphs about? How do you know? What story do these graphs tell?

2) Describe this/these graphs in full. What shape does it have? What features do you notice? What kind of graph is it? What do you think is important to know about this graph?

3) What data do these graphs represent? How is the data represented? How could you represent the same data differently if you wanted to tell a different story?

4) Are these graphs important? Why or why not?

5) Write a question or the google search terms that you would type in to research further information on the Ebola epidemic. Find another graph or representation of data relating to the outbreak. Print or sketch the graph on a separate sheet of paper (axes fully labeled in as much detail as possible!) and staple it to this assignment.