

Applying What You've Learned!



Jane Moore, RN, MHSA

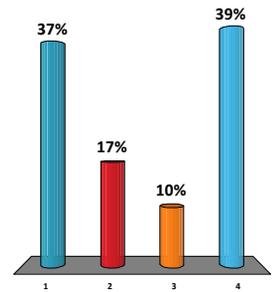
Take notes during the presentation of the following scenarios. The information and details will be needed to answer the questions!



An 18-month-old girl is admitted to the hospital because of meningitis. Doctors discover that her grandmother had pulmonary TB and was treated with a 6-month regimen. The medical evaluation of the child confirms the diagnosis of TB meningitis.

Your first action should be...

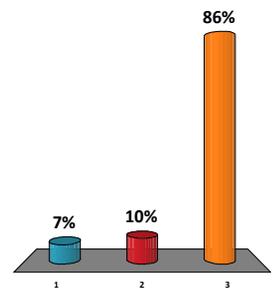
1. Skin test the entire family
2. Send grandma for an x-ray
3. Investigate the daycare
4. Do a proxy interview for more info



You learn that the child was born in the US and has never traveled outside of the country. Grandma was treated for pulmonary TB in 2009 in Russia, but only remembers that she took shots.

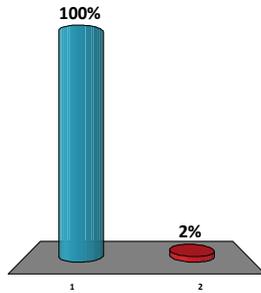
Based on the new info, you plan to

1. Expand testing in the daycare
2. Send the whole family for x-rays
3. Send grandma for x-ray and collect sputum



Not all contacts will have the same date of last exposure.....

1. True
2. False



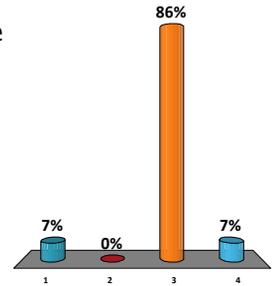
Daniel was recently evaluated for TB disease by his physician because he complained of having a cough, shortness of breath, fatigue, and weight loss. His sputum smears were positive and his culture results are pending. Daniel's chest x-ray shows a cavity in the right upper lobe of his lungs.

The physician suspects TB and started Daniel on a four-drug regimen.

Daniel is a 72-year-old widower who lives alone. He drives himself to the local retirement center for bingo and poker four times a week.

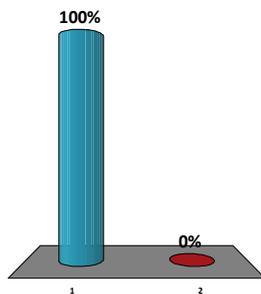
To plan the investigation, what additional information is needed?

1. The NAA result
2. What drugs were started
3. When symptoms began
4. Does he know anyone else sick?



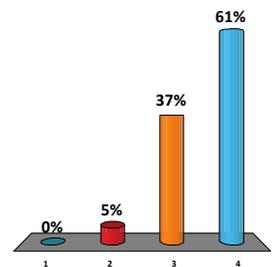
Should the retirement center be included in the CI planning?

1. Yes
2. No



Which retirement center contacts are highest priority for evaluation?

1. The staff at the center
2. Only the poker players
3. Both the poker and bingo players
4. Anyone who is immune compromised



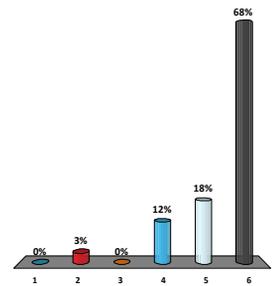
Miguel is a 42-year-old man who was hospitalized on December 4th with symptoms of fever, night sweats, and cough. He was placed in airborne infection isolation.

On the same date (December 4th), AFB sputum smears were collected and reported as positive with final cultures pending. Chest x-rays were taken on December 4th and reported as abnormal with cavitary disease.

Miguel was diagnosed with suspected pulmonary TB and appropriate TB treatment was started on December 5th. Miguel states that he started coughing around November 6th. His symptoms resolved on December 24th. Three consecutive sputum AFB smears were negative on February 10th.

Miguel's infectious period was

1. Dec 4 - Dec 24
2. Nov 6 - Dec 24
3. Dec 4 - Feb 10
4. Oct 6 - Feb 10
5. Sep 6 - Dec 24
6. Aug 6 - Feb 10



Priya is a 34-year-old woman who was diagnosed with infectious TB disease. As part of her contact investigation, you identified the following priority contacts:
 Naveen (husband, 35 years old)
 Sanjay (son, 3 years old)
 Asha (close friend, 37 years old)
 Paul (co-worker, 52 years old)
 Marie (co-worker, 43 years old)

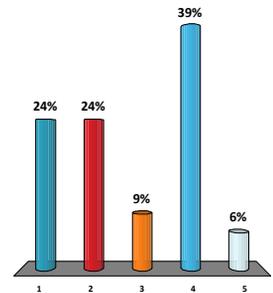
One week has passed since the contacts were last exposed to Priya. These contacts (a total of 5) have been assessed by the contact investigation team. None of the contacts were found to have TB symptoms.

The skin test results were as follows:

Naveen: 11 mm
 Sanjay: 0 mm
 Asha: 5 mm
 Paul: 3 mm
 Marie: 0 mm

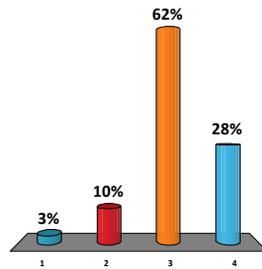
Who needs a CXR?

1. Naveen
2. Naveen, Asha & Paul
3. All of them
4. Asha, Sanjay & Naveen
5. Asha & Paul



Second round testing should occur

1. In 10 weeks
2. 10 weeks after the first test
3. 10 weeks after contact was broken
4. 10 weeks after smear conversion



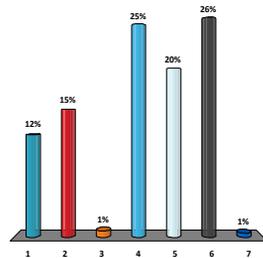
Derrick is a 47-year-old man who has had a severe cough for about two months and started treatment for TB disease three days ago. He lives alone in a small apartment and works the night shift three times a week with two other employees at the convenience store near his home.

During the day, Derrick goes to friends' apartments nearby or stays in his apartment to watch TV. He often goes to the local bar in his neighborhood with his friends Reggie and Melvin. He usually eats at one of two restaurants—the Main Street Diner or Susie's Kitchen.

Derrick says that his girlfriend, Tonya, spends the night with him a few times a week, and often brings her 2 year-old son, Luke. Derrick also mentions another girlfriend, Kelly, who has stayed over about 10 times in the past three months.

Prioritize the potential contacts

1. Store employees
2. Reggie and Melvin
3. Suzie's Kitchen
4. Tonya
5. Kelly
6. Luke
7. Main Street Diner

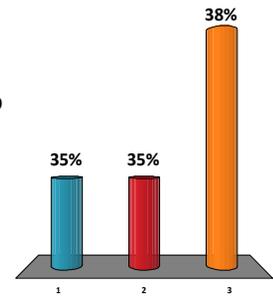


One week ago, Hector went to the ER complaining of night sweats, weight loss, and a cough that has lasted for a month. His sputum smears were positive and he started a four-drug regimen. You found out he lives with his 32-year-old wife, Mimi; his two sons, Luis, 2, and Javier, 4; and his mother-in-law, Alma, 65.

Hector's cousin, Henry, has stopped by the house a few times in the past month. Hector rides to work 5 days a week in a car with his friend Joe. The ride lasts about 30 minutes.

Would you evaluate Henry?

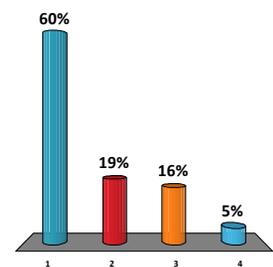
1. Yes
2. No
3. I need more info



Hector works in a mail order packing warehouse. About 100 employees work in the main room with Hector, but the room is divided into sections. There are 20 persons in Hector's section, and 4 of these persons are assigned to work closely with Hector. Hector eats lunch outside every day with these 4 coworkers.

Numbers for worksite testing

1. I need more info
2. 4
3. 20
4. 100

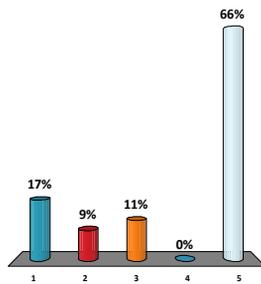


Trang is a 52-year-old woman who had a checkup with her PCP on May 19th. During this visit, she was found to have an abnormal chest x-ray. Sputum collected on the same day was reported as AFB smear positive with cultures pending. On May 20th she was diagnosed with suspected

pulmonary TB, started appropriate treatment, and was put on isolation. Trang claims she never had a cough or any other symptoms. Three consecutive induced sputum AFB smears were negative on June 15th, June 18th, and June 21st.

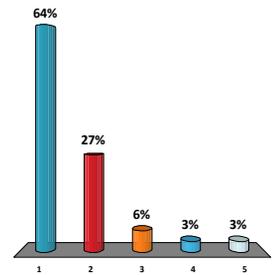
Her infectious period started

1. April 19th
2. May 19th
3. March 20th
4. May 20th
5. February 19th



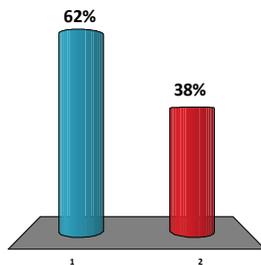
Her infectious period ended

1. June 21st
2. June 15th
3. May 20th
4. September 15th
5. July 15th



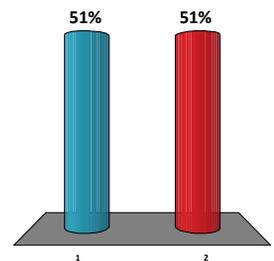
Part of my CI plan should include assessing for media interest...

1. True
2. False



Extrapulmonary cases do not required a CI.....

1. True
2. False



Yeah! I don't need to do a CI for smear negative pulmonary cases...

1. True
2. False

