



Teacher Directions

UNIT: TUBERCULOSIS

LESSON 3: ME VS. TB - BOOSTING THE IMMUNE SYSTEM TO
DEFEAT AN ANCIENT ADVERSARY

ACTIVITY 3C: CONSENSUS MAPS

Slide 2 Each Specialist Receives this Direction Slide

Slide 3 Front Side of Immunologist Consensus Map

Slide 4 Front Side of Statistician Consensus Map

Slide 5 Front Side of Physician Consensus Map

Immunologist

Career Background: An immunologist is a medical specialist who focuses on the immune system, which is responsible for defending the body against infections and diseases. Many immunologists are involved in research to advance understanding of the immune system and develop new treatments

Directions: Read the article sections titled **Death Pathways** and **TB and Apoptosis** as well as view **Figure 5** in the article and answer the guided questions section on your consensus map.

Statistician

Career Background: A statistician is a professional who specializes in the collection, analysis, interpretation, and presentation of numerical data. Statisticians interpret the results of their analyses and draw conclusions based on the data.

Directions: Read the article sections titled **Methods** and **Results** in the article and answer the guided questions section on your consensus map.

PROFESSIONAL GROUP

CONSENSUS MAP
What is the most effective TB treatment?

Physician

Career Background: As a physician, you have a combination of medical knowledge, diagnostic skills, and patient care. Physicians stay updated on medical advancements and research. Physicians diagnose illnesses, prescribe treatments and manage the overall health of their patients.

Directions: Read the article sections titled **Background** and **Host Directed Therapies** in the article and answer the guided questions section on your consensus map.

1. What is the purpose of death pathways in cells?

4. Which death pathway is induced by HDTs?

2. What happens to a cell in necrosis?

5. How could HDTs help control TB?

3. What happens to a cell in apoptosis?

Statistician

Physician

What did you learn from the Statistician?

What did you learn from the Physician?



IMMUNOLOGIST
CONSENSUS MAP
What is the most effective TB treatment?

What does the Statistician believe is the most effective TB treatment?

What does the Physician believe is the most effective TB treatment?

What did you learn from the Immunologist?

What does the Immunologist believe is the most effective TB treatment?

What did you learn from the Physician?

What does the Physician believe is the most effective TB treatment?

Statistician



1. What trend do you notice in the graph from Figure 3 for the *S* treatments?
2. What trend do you notice in the graph from Figure 3 for the *ABT* treatments?
3. What trend do you notice in the graph from Figure 3 for the *S + ABT* treatments?
4. What conclusion can you make between the different treatments shown in Figure 3?
5. Using the provided Figure 5. Comparison Between Treatment with and without HDTs.

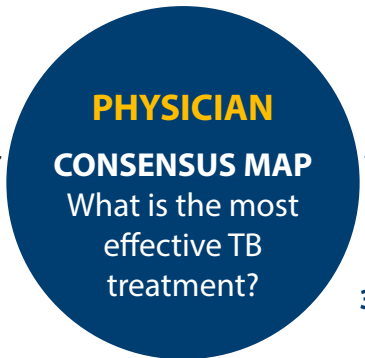
What did you learn from the Immunologist?

What does the Immunologist believe is the most effective TB treatment?

Physician

Statistician

What did you learn from the Statistician?



1. What is tuberculosis?

2. What are the current treatments for TB?

3. What are some side effects of the current treatments for TB?

4. What is the challenge with drug-resistant TB?

5. What are host-directed therapies?

What does the Statistician believe is the most effective TB treatment?