

# Week 6 Discussion: Epidemiology

## Required Resources

Read/review the following resources for this activity:

- Textbook: Chapter 18, 19, 20
- Weekly Concepts

## Initial Post Instructions

Some microorganisms like *Staphylococcus*, *Streptococcus*, *Yersinia pestis*, *E. coli* can cause diseases of different body systems. Let's investigate how the same pathogen is responsible for different pathophysiological symptoms. First, choose a microorganism found in multiple systems. Then, describe your pathogen's role in disease for one body system: report the disease caused, the normal function of that system, pathophysiological symptoms, and the virulence factor(s) that contribute(s) to the diseased state.

or

Viral skin diseases like smallpox were among the first diseases to be eradicated through vaccination program, but now we see more outbreaks of measles, mumps and polio diseases for which we have vaccinations. Why do you think some diseases are appearing again? What is your understanding about diseases like malaria and Ebola, and can we eradicate these through vaccination programs? What is the role of CDC in controlling the spread of these communicable diseases and their treatment?

## Follow-Up Post Instructions

Respond to at least one peer or the instructor. Further the dialogue by providing more information and clarification.

## Writing Requirements

- Minimum of 2 posts (1 initial & 1 follow-up)
- Minimum of 2 sources cited (assigned readings/online lessons and an outside source)
- APA format for in-text citations and list of references

## Grading

This activity will be graded using the Discussion Grading Rubric. Please review the following link:

- Link (webpage): [Discussion Guidelines](#)

## Course Outcomes (CO): 10