



High School Science Virtual Learning

Applied Biological Science

Epidemiology

May 5, 2020



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Lesson: May 5, 2020

Objective/Learning Target:


Define epidemiology and describe primary applications of epidemiology in public health practice.



Let's Get Started:

1. What is epidemiology? View this [video](#) to learn about the basics of epidemiology.
2. View the numerous applications of epidemiology by accessing the data from the [WHO](#). Choose any indicator or country and identify 3 interesting statistics you learned. Share those with a friend or family member.

Lesson Activity:

Read the [Introduction to Epidemiology](#) lesson outline from the CDC and complete each of the exercise questions.  Exercise Check your answers in each section by clicking on the Check your answer box. [Check your answer.](#)



Practice Questions

Click on the [Solving the Outbreak](#) application from the CDC. Complete each scenario using the knowledge you have gained from the activity and answer all the questions as you complete each scenario. The answers will be provided for you as you work through each part.



Additional Practice

1. Check your understanding by answering these [quiz](#) questions over epidemiology. Check your answers [here](#).
2. Test your knowledge by completing this case study on [Salmonella](#)
3. Learn more about how the [father of epidemiology](#) discovered the connection between geography and disease.