

Event Category: Emergency Preparedness.....

Eligible Divisions: Secondary & Postsecondary/ Collegiate	Round One: In Person Testing Written 50 Q test (60 minutes)	Digital Upload: NO
Solo Event: 1 competitor		

This event will take place as a written test at SLC (Thursday, March 18th)

Refer to the Conference Agenda for assigned testing time

Event Summary

Epidemiology allows members to gain knowledge about health and disease in populations. This competitive event consists of a written exam of concepts related to the study of epidemiology. In the event of a tie, the essay will be judged to break the tie. Competitors must recognize, identify, define, interpret, and apply these concepts in a multiple-choice test. The event aims to motivate members to become proactive future health professionals, enhancing their scientific literacy and offering valuable insights into careers in public health.

General Event Information

General Rules	Competitors must be familiar with and adhere to the General Rules and Regulations .
Dress Code	Official HOSA Uniform or HOSA Business Dress.
Competitors Must Provide	• Photo ID • Two #2 lead pencils (not mechanical) with an eraser • Neon colored foam earplugs, NOT earbuds, for noise control (optional) HOSA Conference Staff will provide equipment and supplies listed in Appendix I .
Official References	The references below are used in the development of the test questions. Content is posted as of September 1, 2026: • PH 101 Series • ActivEpi • Environmental Medicine Education Resources • CDC: Morbidity and Mortality Weekly Report

ROUND ONE- Test

Test Instructions	All competitors will be given a test and test answer sheet. The written test consists of 50 multiple-choice items and is administered within a 60-minute time frame. See test instructions here . One essay question will be administered with the original test.
Time Remaining Announcements	There will be NO verbal announcements for time remaining during SLC testing. All SLC testing will be completed in the Testing Center, and competitors are responsible for monitoring their own time.

Test Plan	The test plan for the Epidemiology Test is: • Introduction to Epidemiology: (30%) ◦ Basic concept ◦ Types of case studies ◦ Measuring health and disease ◦ Causation ◦ Surveillance • World and Government Response to Infectious Diseases (20%) ◦ WHO Infectious Diseases ◦ CDC Activities ◦ Government Responses • CDC: Morbidity and Mortality Weekly Report (50%) ◦ Case studies, investigations, surveillance summaries, scientific information recommendations
Sample Test Questions	1. What is the term for the proportion of a disease or other outcome in exposed individuals that can be credited to the exposure? (WHO pp 35) A. Attributable risk B. Risk benefit C. Cohort study D. Odds advantage 2. In an epidemiology study, how is the specified population identified? (CDC Intro 1-4) A. People affected by the condition/disease B. Conditions where large numbers of people were affected C. People exposed to a condition/disease D. People who died from a disease/condition 3. Which type of epidemiological study is best characterized as a survey? (CDC ATSDR) A. Case-control B. Cohort C. Relational D. Cross-sectional

Final Scoring

In the event of a tie, the essay will be judged to break the tie.

International Leadership Conference (ILC) qualifiers

Go to <https://hosa.org/guidelines/> for specifics about this competitive event at ILC.
June 22-25, 2027, Pennsylvania Convention Center in Philadelphia, Pennsylvania

High School/Post-Secondary/Collegiate Seniors

Don't wait until you graduate to join the HOSA alumni network! Graduating from high school or completing your postsecondary/collegiate program does not mean your HOSA journey has to end. As a HOSA member, you are eligible to become a HOSA Lifetime Alumni Member- a free and valuable opportunity to remain connected, give back, and help to shape the future of the organization. Learn more and sign up at hosa.org/alumni.

SC HOSA Scholarship

Application: <https://www.schosa.org/students/scholarships/>

Application Window Opens: December 1, 2026

Application Deadline: February 1, 2027

National HOSA Scholarship

Scholarship program has funding available for HOSA members who have an interest in various health careers! The application process begins January 1, 2027, and can be found here: <https://hosa.org/scholarships/>.