Epidemiology 2023-2024 MICHIGAN HOSA EVENT MODIFICATIONS FOR REGIONAL CONFERENCES!



New for 2023 - 2024

Scrap paper will no longer be provided. Competitors may write on the test booklet if needed. MI HOSA will still provide scrap paper. Please do NOT write on the test booklet. Resources have been updated. These guidelines are written for ILC. States may modify events or have different event processes and deadlines. Be sure to check with your Local/State Advisor (or state website) to determine how the event is implemented for the regional/area or state conference. Editorial updates have been made. These guidelines are specifically for Michigan HOSA members in preparation for the regional leadership conferences. For more information about regionals, please visit www.michiganhosa.org/regionals.

Event Summary

Epidemiology provides members with the opportunity to gain knowledge about health and disease in populations. This competitive event consists of a written examination of concepts related to the study of epidemiology with a tiebreaker essay question. There will NOT be a tiebreaker question at regionals. Competitors are expected to recognize, identify, define, interpret and apply these concepts in a multiple-choice test. This event aims to inspire members to be proactive future health professionals and improve their scientific literacy as well as provide insights into public health careers.

Dress Code

Competitors shall wear proper business attire or official HOSA uniform. Bonus points will be awarded for <u>proper</u> <u>dress</u>. At the regional level, teams can wear the occupational appropriate attire to test in, in addition to the skills. They do NOT need to change into business attire to take the test. Bonus points will not be added for proper dress, but judges/event managers will make note if competitors are NOT in proper dress which could result in overall point deduction.

Competitor Must Provide:

- A Photo ID
- $\hfill\square$ Two #2 lead pencils (not mechanical) with eraser

General Rules

- 1. Competitors in this event must be active members of HOSA and in good standing.
- 2. **Eligible Divisions:** Secondary and Postsecondary/Collegiate divisions are eligible to compete in this event.

MI HOSA Event Modifications (September 2023)

future health professionals

- 3. Competitors must be familiar with and adhere to the "<u>General Rules and Regulations of the HOSA</u> <u>Competitive Events Program (GRR)</u>."
 - A. Per the <u>GRRs</u> and <u>Appendix H</u>, HOSA members may request accommodation in any competitive event. To learn the definition of an accommodation, please read <u>Appendix H</u>. To request accommodation for the International Leadership Conference, <u>submit the request form here</u> by May 15 at midnight EST.
 - B. To request accommodation for any regional/area or state level conferences, submit the request form <u>here</u> by your state published deadline. Accommodations must first be done at state in order to be considered for ILC. Regional accommodations MUST be submitted two weeks prior to your regional conference date. Email <u>Samantha.pohl@mhc.org</u> for questions.
- All competitors shall report to the site of the event at the time designated for each round of competition. At ILC, competitor's <u>photo ID</u> must be presented prior to ALL competition rounds. Event managers will be checking photo IDs at the regional level as well. A digital copy of a photo is appropriate (i.e., picture on phone of photo ID from school portal).

Official References

5.	The test plan percentages as well as official references for the development of the test items is as follows. Content is posted as of September 1, 2023:
6.	PH 101 Series
7.	Environmental Health Resources
8.	Basic Epidemiology – World Health Organization
9.	WHO Fact Sheets: Infectious Disease
10.	Public Health Careers
11.	 CDC: Disaster Epidemiology and Response
12.	Office of Assistant Secretary for Preparedness & Response
13.	CDC: Morbidity and Mortality Weekly Report 50%

 Case studies, investigations, surveillance summaries and scientific information and recommendations

Written Test

- 14. <u>Test Instructions:</u> The written test will consist of 75 multiple choice items in a maximum of 90 minutes. Written case studies, investigations, surveillance summaries, and scientific information will be a part of the test and will include background information about selected public health situations with a series of multiple-choice questions related to the data.
- 15. One essay question will be administered with the original test. In case of a tie, the essay question will be judged and used to break the tie. We will not have a tiebreaker question at regionals.
- 16. At the International Leadership Conference, HOSA will provide basic handheld calculators (no graphing calculators) for addition, subtraction, division, multiplication and square root. MI HOSA will provide calculators.
- 17. **Time Remaining Announcements:** There will be NO verbal announcements for time remaining during ILC testing. All ILC testing will be completed in the Testing Center, and competitors are responsible for monitoring their own time. There will be NO verbal announcements for time remaining during regional testing. Students are responsible for monitoring their own time.

18. 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

19. An essay tiebreaker will be administered with the original test. In case of a tie, this written response will be judged and used to break the tie.