

# Foundations of Medical Terminology



## New for 2023 - 2024

These guidelines are written for ILC. States may modify events or have different event processes and deadlines. Be sure you check with your local/state advisors (or state websites) to determine how the events are implemented for all regional and state conferences. Editorial updates have been made.

## Event Summary

Foundations of Medical Terminology provides **Middle School Division** HOSA members with the opportunity to gain knowledge and skills regarding prefixes, suffixes, roots and anatomy, physiology, pathophysiology and occupations related to the health field. This competitive event consists of a 50-item multiple choice test with 10 tiebreaker questions and aims to inspire members to learn about terms common to health professions and health specialties.

## Dress Code

Competitors must be in official HOSA uniform or in proper business attire. Bonus points will be awarded for [proper dress](#).

### Competitor Must Provide:

- ☐ [Photo ID](#)
- ☐ Two #2 lead pencil (not mechanical) with eraser

## General Rules

1. Competitors in this event must be active members of HOSA-Future Health Professionals and in good standing.
2. **Eligible Division:** Middle School ONLY (in grades 6-8 during the 2022 -2023 school year) are eligible to compete in this event.
3. Competitors must be familiar with and adhere to the "[General Rules and Regulations of the HOSA Competitive Events Program \(GRR\)](#)."
  - A. Per the [GRRs](#) and [Appendix H](#), HOSA members may request accommodation in any competitive event. To learn the definition of an accommodation, please read [Appendix H](#). To request accommodation for the International Leadership Conference, [submit the request form here](#) by May 15 at midnight EST.
  - B. To request accommodation for any regional/area or state level conferences, submit the request form [here](#) by your state published deadline. Accommodations must first be done at state in order to be considered for ILC.
4. All competitors shall report to the site of the event at the time designated for each round of competition. At ILC, competitor's [photo ID](#) must be presented prior to ALL competition rounds.

## Official References

5. All official references are used in the development of the written test.
6. [Ehrlich, Ann. \*Medical Terminology for Health Professions\*. Cengage Learning. Latest Edition.](#)
7. [Stanhope, Linda and Turnbull, Kimberly. \*Introduction to Medical Terminology\*. Goodheart-Wilcox Publisher. Latest Edition.](#)
8. [Dean Vaughn's \*Medical Terminology by Body Systems\*. Peterson's Publishing, Latest Release \(Online version\).](#)

## The Test

### 9. Test Plan:

- Roots, prefixes, suffixes, and combining forms.....45%
- Overview of Body..... 5%
- Skeletal..... 5%
- Muscular..... 5%
- Respiratory..... 5%
- Digestive..... 5%
- Cardiovascular & Lymphatic..... 5%
- Nervous/Special Senses..... 5%
- Endocrine..... 5%
- Reproductive..... 5%
- Integumentary..... 5%
- Urinary ..... 5%

### 10. Sample Test Questions

1. Which of the following combining forms refers to hair? (Ehrlich pp 443)  
**A. trich/o-**  
B. mit/o-  
C. kerat/o-  
D. ichthy/o-
  2. Which term denotes a wall or a side of an organ or body cavity? (Vaughn pp 146)  
A. Superficial  
B. Deep  
**C. Parietal**  
D. Visceral
  3. Which term refers to excessive potassium in the blood? (Stanhope pp 502)  
A. Hypercalcemia  
**B. Hyperkalemia**  
C. Hyponatremia  
D. Hyperchloremia
11. [Test Instructions](#): Competitors will be given instructions on the use of the Scantron form. There will be a maximum of 60 minutes to complete the test.
12. **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.

## Final Scoring

13. The competitor should write their answer to the tie-breaker essay question on the tie-breaker page of the test that remains attached to the original test.
14. A series of ten (10) tiebreaker questions will be administered with the original test for the Middle School division. In case of a tie, successive sets of five tiebreaker questions will be used until a winner is determined. In the tiebreaker, correct spelling is required for an item to be considered correct.