



# Foundations of Medical Terminology

Health Science Event .....

Eligible Divisions: Middle School	Round 1: 50 Q test in 60 minutes	Digital Upload: NO
Solo Event: 1 competitor		



**New for 2024 - 2025**  
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, 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.

## TEXAS HOSA

Make sure to read the Texas General Rules and Regulations for the updated “**Electronic Device Policy**”.

## Texas State Leadership Conference

The State written exam will be given in person at Kalahari to those who advanced from each Area. The top 3 individual scores from State will advance to ILC.

## Dress Code

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

## Competitors Must Provide:

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

## General Rules

1. Competitors must be familiar with and adhere to the [General Rules and Regulations](#).

## Official References

2. The references below are used in developing the test questions.
  - a. [Ehrlich, Ann. Medical Terminology for Health Professions. Cengage Learning. Latest Edition.](#)
  - b. [Stanhope, Linda and Turnbull, Kimberly. Introduction to Medical Terminology. Goodheart-Wilcox Publisher. Latest Edition.](#)
  - c. [Dean Vaughn's Medical Terminology by Body Systems. Peterson's Publishing. Latest Release \(Online version\).](#)

## Written Test

3. [Test Instructions](#): The written test will consist of 50 multiple-choice items in a maximum of 60 minutes.
4. Ten tiebreaker questions will be administered with the original test.

## 5. Test Plan

### The test plan for the Foundations of Medical Terminology Test is:

- 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%

**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.

## 6. 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

## Final Scoring

7. In case of a tie, successive sets of five tiebreaker questions will be used until a winner is determined. The tiebreaker requires correct spelling for an item to be considered correct.