



# Foundations of Medical Terminology

Health Science Event .....

Eligible Divisions: Middle School	Round 1: Online 35 Q test in 60 minutes
Solo Event: 1 competitor	SLC: Middle School test only events are administered during the testing window.

**This event will take place during the SLC Online Testing Window:  
February 25-March 4 (8am-6pm)**

- ✓ Chapter advisors will coordinate testing time and location for the online testing session.
- ✓ Chapter advisor must designate a proctor for the testing session that does not have content knowledge related to any HOSA event ensuring the integrity of the competitive events program.

## 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 35-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

The Chapter Advisor will determine the dress code requirement for all SLC online testing events.

## Competitors Must Provide

Laptop with internet access to the HOSA Online Testing System: <https://testing.hosa.org/>

**Note:** Competitors will receive an email with testing instructions at the address the chapter advisor entered in the HOSA system. **Competitors and advisors are responsible for making sure the email address entered is not blocked by school filters.**

## 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 \(Online version\).](#)

## Online Test

3. The test will consist of 35 multiple-choice items in a maximum of 60 minutes.
4. All online tests must be taken during the SLC online testing window **in a proctored setting**.

5. Ten tiebreaker questions will be administered with the original test.

6. **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%

7. **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. Hybernatriemia
  - D. Hyperchloremia

**Final Scoring**

8. In the event of a tie, successive sets of five (5) will be judged until a winner is determined. Correct spelling is required for an item to be considered correct in the tiebreaker.

**International Leadership Conference (ILC) qualifiers**

Go to <https://hosa.org/guidelines/> for specifics about competing in this event at ILC.

June 17-20, 2026 – Indianapolis Convention Center, Indianapolis, IN