

MEDICAL TERMINOLOGY (VIRTUAL)



PURPOSE

To evaluate the knowledge of medical terminology and abbreviations of an individual preparing for employment in the health occupation field and to recognize outstanding students for excellence and professionalism.

First, download and review the General Regulations at: <http://updates.skillsusa.org>.

ELIGIBILITY

Open to active SkillsUSA members enrolled in programs that include medical terminology as a component.

CLOTHING REQUIREMENTS

Class B: Healthcare Attire

- Official blue scrubs.
- Scrubs should fit appropriately for all health contests and should be properly hemmed and wrinkle free. Only plain, white, collarless T-shirts may be worn underneath the scrubs. Hair must be pinned up and off the collar.
- White socks or skin-tone seamless hose.
- Health-professionals white or black leather work shoes.
- Shoes must be all-white or black leather (no canvas), completely enclosed (no open-toe or open-heel). Athletic-style shoes that meet the criteria are acceptable.

Contest Clothing Notes (Apply ONLY to Virtual Competitions):

- Official SkillsUSA Competition Clothing recommended but NOT required.
- Contestant clothing options include the following:
 - Official Competition Clothing.
 - Trade Appropriate Clothing.
 - Professional Dress.
 - Business Casual.
- Clothing must meet industry safety standards.

- No identification of the contestant, school or state is allowed on clothing.
- No offensive, vulgar or inappropriate images or text are allowed on contestants clothing.
- No shorts or sleeveless shirts are allowed.
- Skirts must be at least knee-length.
- Proper Personal Protective Equipment (PPE) must be worn by contestant to meet all state, local and school requirements due to COVID-19.
- Scoring deductions may only be given and/or disqualification of contestant if clothing safety standards are not met.

These regulations refer to clothing items that are pictured and described at: www.skillsusastore.org. If you have questions about clothing or other logo items, call 1-888-501-2183.

EQUIPMENT AND MATERIALS

1. Supplied by the technical committee:
 - a. Test will given electronically via protocor etc.
2. Supplied by the contestant:
 - a. Computer with high-speed internet capability and camera to use applications such as Zoom, Teams, etc. The minimum recommended internet bandwidth speeds for joining Zoom meetings, accessing on-demand curriculum and other online operations is 2.0 Mbps up and down. You can test your current internet speeds by following this link: <https://www.speedtest.net/>. Allow the page to load and click on GO.
 - b. A secondary camera(s) may be required to provide judges with the ability to view contestants from different angles. Additional camera requirements will be located on the SkillsUSA website at <http://updates.skillsusa.org>.
 - c. A contest Proctor will be required to be on site to assist judges. A local industry expert is preferred to serve as the Proctor and shall not be an individual that has been involved with the training of the contestant(s). The Proctor will serve as the onsite "hands and eyes" for the judges. Proctor will follow

instructions from the judges for safety and operations related to the competition. Proctor may be asked by judges to perform several tasks such as operating a portable camera to show specific components or steps, measure parts, or any task that will provide judges with information needed to assist in accurate scoring of the contestant's work or presentation. However, the Proctor shall not serve as a judge nor have any influence in contestant scores.

- d. The contestant's instructor or advisor shall be on site to observe all competition activities to ensure a safe and healthy competition experience for all participants. That instructor or advisor will not be allowed to interact or interfere with the competitor unless a safety issue arises that requires interaction. Any other support or interaction between the contestant and the instructor/advisor will result in disqualification
- e. All competitors must create a one-page résumé and submit an electronic copy to the technical committee chair at least seven (7) days in advance of the competition. Failure to do so will result in a 10-point penalty. Instructions for submission of the electronic résumé copy will be provided on the SkillsUSA website at <http://updates.skillsusa.org>.
- f. No. 2 pencil

Note: Your contest may also require a hard copy of your résumé as part of the actual contest. Check the Contest Guidelines and/or the updates page on the SkillsUSA website at <http://updates.skillsusa.org>.

SCOPE OF THE CONTEST

Core standards from the medical terminology portion of the National Health Care Core Skills Standards Project make up the category from which questions are developed for the Medical Terminology contest.

Knowledge Performance

This contest involves successful completion of a written medical terminology knowledge test. Content for the test is based on the Core Standards from the National Health Care Core Skills Standards Project. There will be additional questions related to professional development.

Skills Performance

Contestants will demonstrate knowledge of medical word roots, prefixes, suffixes, medical word building and medical abbreviations by successfully answering the questions.

Standards and Competencies

MT 1.0 — Exhibit knowledge of accepted medical word roots used in the health care industry

- 1.1 Demonstrate knowledge of the fundamental word roots used to build medical terms
- 1.2 Identify common word roots used for each body system
- 1.3 Demonstrate the use of common word roots used in disease pathology
- 1.4 Identify word roots used for diagnostic procedures

MC 2.0 — Exhibit knowledge of accepted medical prefixes used in the health care industry

- 2.1 Identify and give the meaning of selected prefixes that pertain to position or placement, numbers and amounts, and those that are descriptive and used in general
- 2.2 Demonstrate the use of common prefixes used in disease pathology
- 2.3 Identify prefixes used for diagnostic procedures

MT 3.0 — Exhibit knowledge of accepted medical suffixes used in the health care industry

- 3.1 Identify and give the meaning of selected suffixes that pertain to pathologic conditions
- 3.2 Identify suffixes used in diagnostic procedures

- 3.3 Identify suffixes used in surgical procedures and those that are used in general

MT 4.0 — Exhibit knowledge of accepted medical abbreviations used in the health care industry

- 4.1 Identify and give the meaning of selected prefixes that pertain to position or placement, numbers and amounts, and those that are descriptive and used in general
- 4.2 Identify and give the meaning of selected suffixes that pertain to pathologic conditions, those used in diagnostic and surgical procedures, and those that are used in general

MT 5.0 — SkillsUSA Framework



The SkillsUSA Framework is used to pinpoint the Essential Elements found in Personal Skills, Workplace Skills and Technical Skills Grounded in Academics. Students will be expected to display or explain how they used some of these Essential Elements. Please reference the graphic above, as you may be scored on specific elements applied to your project. For more, visit: www.skillsusa.org/about/skillsusa-framework/.

Committee Identified Academic Skills

The technical committee has identified that the following academic skills are embedded in this contest.

Math Skills

None Identified

Science Skills

- Understands the principles of heredity and related concepts
- Identify the organ systems of the human body and the major components of each system
- Understand the basic function of the human body systems
- Understand the processes of pathology of the human body systems

Language Arts Skills

- Demonstrate comprehension of a variety of formal and informal texts
- Demonstrate knowledge of appropriate reference material
- Understand source, viewpoint and purpose of texts
- Organize and synthesize information for use in written presentations
- Demonstrate knowledge of appropriate reference material

Connection to National Standards

State-level academic curriculum specialists identified the following connections to national academic standards.

Math Standards

None Identified

Science Standards

- Understands the principles of heredity and related concepts
- Understands the structure and function of cells and organisms
- Understands biological evolution and the diversity of life
- Understands the structure and properties of matter
- Understands the nature of scientific knowledge

Source: McREL compendium of national science standards. To view and search the compendium, visit: <http://www2.mcrel.org/compendium/browse.asp>.

Language Arts Skills

- Students apply a wide range of strategies to comprehend, interpret, evaluate, and appreciate texts. They draw on their prior experience, their interactions with other readers and writers, their knowledge of word meaning and of other texts, their word identification and strategies and their understanding of textual features (e.g., sound letter correspondence, sentence structure, context, graphics)
- Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge
- Students use spoken, written and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion and the exchange of information)

Source: IRA/NCTE Standards for the English Language Arts.
To view the standards, visit: www.ncte.org/standards.