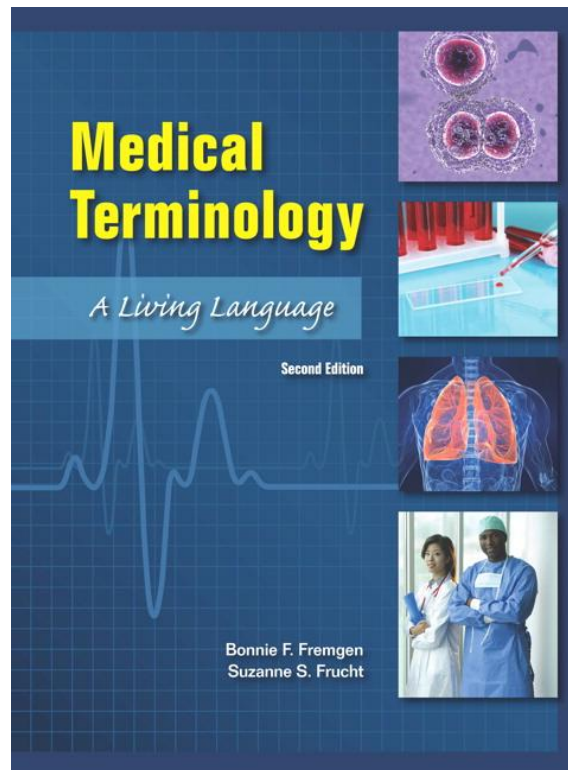


A Correlation and Narrative Brief of

Medical Terminology

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To the

Tennessee Health Science Course Standards for Medical Terminology

TEXTBOOK NARRATIVE FOR THE STATE OF TENNESSEE

Medical Terminology, 2nd Edition ©2015
ISBN: 978-12-6959741-8

SUMMARY:

Using a consistent, logical, and step-by-step approach, this book introduces students to the anatomy and physiology of the body systems and the corresponding medical terms related to them. For each body system, broad coverage of anatomy, physiology, pathology, diagnostic procedures, treatment procedures, and pharmacology is provided.

To provide a comprehensive, user-friendly resource, the text incorporates various features to provide students with the proper tools to get started in medical terminology. These features include:

Chapter design is streamlined to scaffold learning and assessment, and help make studying easier:

- **Helps students learn visually.** Illustrates key terms through vibrant, clear, consistent, and scientifically precise medical illustrations in every chapter.
- Engaging **three-page chapter openers** highlight the latest terminology in the industry.
 - **Learning Objectives** introduce the concepts and skills covered in the chapter for student mastery.
 - **"At a Glance"** and **"Illustrated"** pages begin each chapter, providing a quick, visual snapshot of what's covered.

❖ **NEW! Chapter 15: Healthcare Careers and Career Planning**
Meets Tennessee indicators of Postsecondary Career Readiness

❖ **NEW! Chapter 16: Medical Math**
Meets Tennessee indicators of Rigor

- **Key Terms and Pronunciations** begin every subsection.
- **Word Tables.** These study lists are categorized and presented in a clear, logical, color-coded format that eases the learning process. Improved three-column format in the word building sections allows for the term (with pronunciation and/or abbreviation), word parts (if appropriate), and definitions to be displayed.
 - The **Terminology section** now includes a comprehensive list of all combining forms, suffixes, and prefixes used to build terms in the remaining sections of the chapter.
 - Pathology Table. The **Signs and Symptoms** subsection within the Pathology table now contains disease-related terms grouped by organ creating smaller groups for easier learning.
 - The **Anatomical Terms** section includes anatomical terms as well as adjective forms of organs.
 - The **Pharmacology table** now also includes word parts.
 - Also includes Abbreviations, Pathology, Diagnostic Procedures and Therapeutic Procedures sections.

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- **Color-coded word parts**—red combining forms, blue suffixes, and green prefixes allow for quick recognition throughout the book.
- **Med Term Tips** feature engage learners with tidbits of noteworthy information about medical terms.

Practice professional skills and critical thinking. Exercises at the end of the chapter help student review content and practice their professional skills including:

- **Labeling Exercises**-- A visual challenge to reinforce students' grasp of anatomy & physiology concepts.
- **Chart Note Transcription** -- A visual challenge to reinforce students' grasp of anatomy & physiology concepts.
- **Medical Record Analysis**— Exercise that challenge students to read examples of real medical records and then to apply their medical terminology knowledge in answering related questions.
- **Case Study scenarios**-- Examples of real medical records and then to apply their medical terminology knowledge in answering related questions.

Additional Student supports:

- Appendix I: Word Parts Arranged Alphabetically and Defined
- Appendix II: Word Parts Arranged Alphabetically by Definition
- Appendix III: Abbreviations
- Appendix IV: The Common Core Connection
- Glossary/Index

Teacher Resources:

- Medical Terminology Teacher Resource Manual
- Medical Terminology Test Bank with TestGen CD-ROM

Student Resources:

- Medical Terminology Student Workbook

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Tennessee Course Standards for Medical Terminology	Medical Terminology
Course Standards	
1) Interpret the historical development of the medical language, illustrating the Latin and Greek origination of the medical terms used today. In an informational artifact, detail the importance of historical events in medicine and their relationship to modern medical language.** (TN Reading 1, 2, 4; TN Writing 2, 8)	SE: 2, 3, 10, 61, 86, 91, 113, 141, 143, 147, 197, 232, 233, 270, 344, 430, 468, 491, 493
2) Identify and explain the definitions and roles of the four types of word parts (word roots, combining forms, combining vowels, suffixes, and prefixes) in forming medical terms. Apply knowledge of word forms and structures to interpret unfamiliar medical terms throughout this course. Research the origins of eponyms; then differentiate between medical eponyms, acronyms, and abbreviations. (TN Reading 1, 4, 9; TN Writing 8, 9)	SE: 3-9, 15-20, 42-48, 73-82, 124-136, 166-176, 201, 203, 206-216, 235, 242, 244-254, 283-294, 317-328, 347, 364-376, 394, 399-408, 427, 431, 434-444, 478-488, 531-538, A1-7, A8-14
3) Research and summarize the precautions surrounding the use of abbreviations and symbols within the healthcare profession. Explain and demonstrate the importance of clear, proper documentation when filling out a patient/client chart or other patient document. For example, explain why using appropriate abbreviations is so important when prescribing the correct dosage for a patient's medication (i.e., writing "mg" for milligrams). (TN Reading 1, 2, 4, 5, 6, 9; TN Writing 2, 4, 8)	SE: 11-12, 18-19, 73, 74, 80-81, 124, 125, 165, 166, 167, 206, 207, 244, 245, 283, 284, 317, 318, 325, 364, 365, 399, 400, 434, 435, 478, 479, 493, 494, 498, 531, 588-590, 591-592, 593, 594

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Tennessee Course Standards for Medical Terminology	Medical Terminology
4) Examine a professional medical journal or mock patient document specifically related to an unfamiliar disease, phenomenon, diagnosis, or area of medical research. Demonstrate the ability to locate medical terms and define the prefixes, suffixes, abbreviations, and symbols in order to arrive at a professional understanding of the topic discussed. Interpret and synthesize the text into an original summary, review, or other written or verbal analysis of the topic, showing mastery of unfamiliar terms. (TN Reading 1, 2, 4, 5, 6; TN Writing 4, 8, 9)	SE: Case Studies, 75, 126, 168, 175, 208, 246, 285, 319, 366, 401, 436, 480, 532
5) Evaluate multiple evidenced-based research articles. Document in an informational artifact the correlation of diseases and/or disorders discussed in the articles with terminology associated with anatomical positions, body planes, cavities, directional terms, body systems, and symbols. (TN Reading 2, 4, 9; TN Writing 7, 8, 9)	SE: 47, See also supporting content:: 31-41, 42-48, 487, 538
6) Analyze and interpret vocabulary related to pathology, diagnostic, and therapeutic medical terms, as well as abbreviations of the body systems below, by evaluating professional texts featuring such terms. Demonstrate mastery of medical terminology use and accurate spelling in each area through verbal and written explanation.	
a. Cells, tissues, and glands	SE: 22-26, 42-48
b. Genetics	SE: 24, 341, 348
c. Integumentary	SE: 27, 50-56, 57-71, 73-82
d. Respiratory	SE: 29, 218-226, 227-242, 244-254
e. Cardiovascular	SE: 28, 138-150, 152-163, 166-176
f. Musculoskeletal	SE: 27, 84-96, 97-109, 111-118, 119-123, 124-126
g. Endocrine	SE: 30, 378-388, 389-397, 399-408
h. Nervous	SE: 31, 410-419, 420-432, 434-444

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i. Lymphatic/immune and hemolytic	SE: 28, 178-182, 183-189, 191-198, 199-205, 206-216
j. Gastrointestinal	SE: 29, 256-265, 266-281, 283-293
k. Urinary	SE: 29, 296-303, 304-315, 317-328
l. Special senses	SE: 31, 446-452, 453-463, 465-469, 470-476, 478-488
m. Reproductive (TN Reading 1, 2, 4, 6, 7, 9; TN Writing 2, 4, 8, 9; TN A&P 2, 3, 4, 5, 6)	SE: 30, 329-338, 339-350, 352-356, 357-362, 364-376
7) Interpret, analyze, and accurately spell vocabulary linked to diagnostic procedures and pharmacology in the following areas: therapeutic services, diagnostic medicine, biotechnology services, emergency medical services, cardiovascular services, and dental services. Demonstrate the skills involved when interpreting a prescription or complex diagnostic procedure by explaining the terminology, abbreviations, and symbols to a classmate in language that is more familiar and easy to understand. (TN Reading 2, 3, 4, 6, 7, 9; TN Writing 2, 4, 8, 9)	SE: 72, 109, 123, 159-160, 163-164, 189-190, 205, 242-243, 277, 281, 315, 351, 362, 397-398, 432-433, 463, 476, 492-496, 507-511, 520-524

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<p>8) Research a current medical, legal, or ethical issue found within professional and/or peer reviewed journals. Develop an informative or persuasive article, report, or research paper documenting the concepts and perspectives surrounding the issue. When writing, include appropriate medical terminology and apply conventional citation methods used in medical literature. For example, investigate current debates surrounding stem cell research and argue for whether this line of research benefits the medical community and society at large; or, document the increase in mental health diagnoses and the impact this phenomenon has on the population. Cite all sources used in the course of the research, review, and revise writing as needed. (TN Reading 1, 2, 4, 6, 7, 9; TN Writing 1, 2, 4, 5, 6, 8, 9)</p>	<p>SE: Research Project, 47, 292, 487, 538</p>