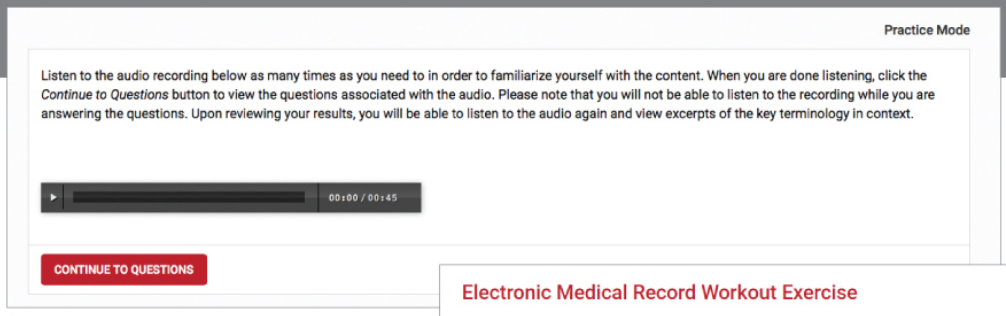
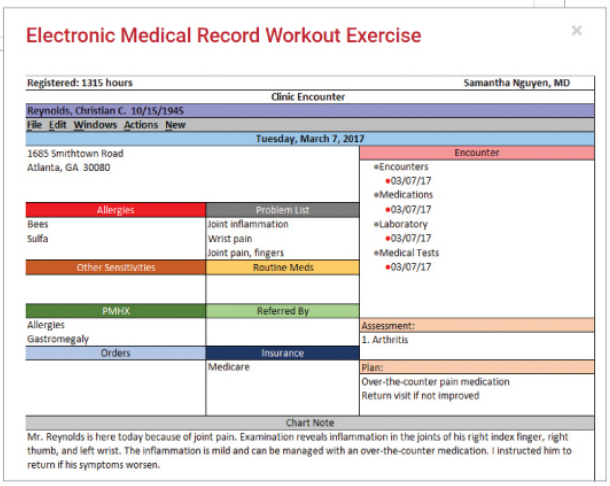


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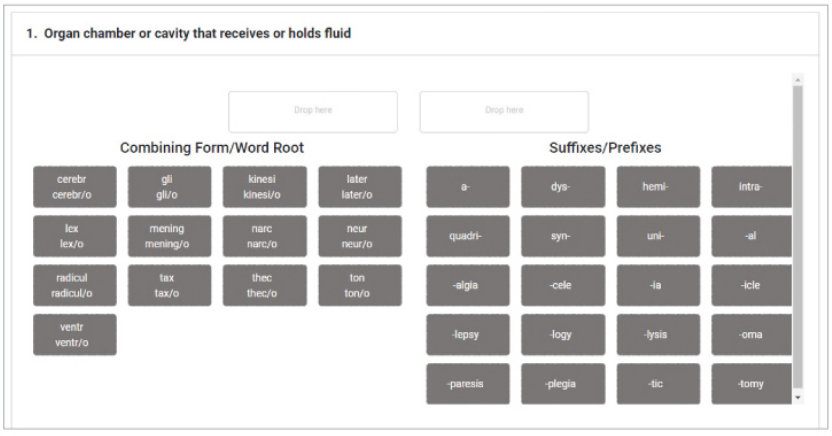
or scan the QR code to access the digital study portal.



Listen & respond. Develop your understanding of medical language as it's used in conversation with audio recordings followed by questions.



Communicate like a health care professional. Documenting health care activities prepares you for the real-world of professional practice. You'll apply your knowledge of medical terminology to the variety of administrative and clinical challenges you'll encounter in your future career.

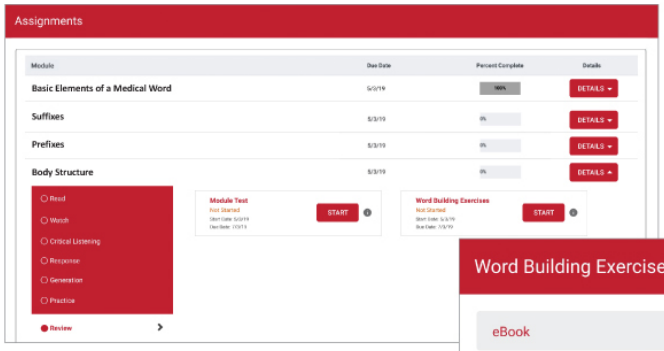


Practice what you're learning. Complete the exercises to reinforce the lessons in the text and build your knowledge of medical terminology.

STEP #3

ASSESS

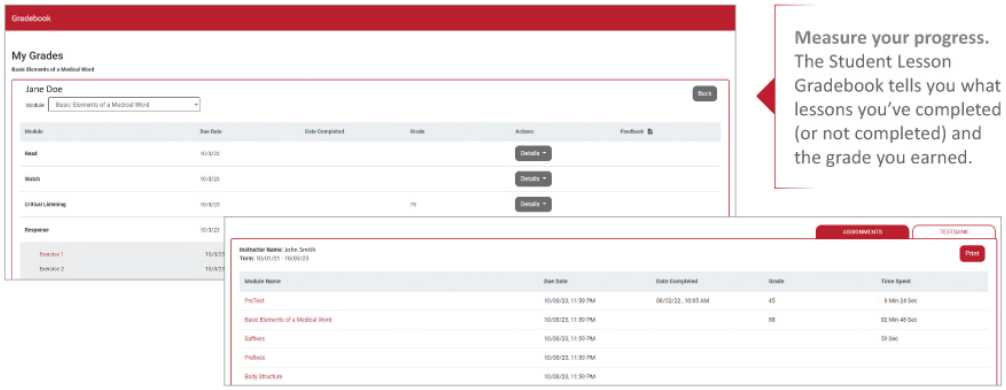
Build mastery. Attain fluency.



Identify your strengths and weaknesses. After you complete the learning activities for each module, a Module Test assesses your understanding of the content. You'll immediately know what areas require additional review.



Turn weaknesses into strengths. The results of your Module Test create a Personalized Review program that focuses on the topics areas you need to spend more time on. Choose the media formats that best suit your learning style.



Measure your progress. The Student Lesson Gradebook tells you what lessons you've completed (or not completed) and the grade you earned.

Review your performance. The Student Activity Gradebook drills down to show you how you've performed on specific assignments and tracks how long it takes you to complete each one

Online content subject to change upon publication.

Medical Terminology Systems

A Body Systems Approach

UPDATED 8TH EDITION

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Notice

F.A. Davis Company is the publisher of *Medical Terminology Systems: A Body Systems Approach* but will no longer be publishing new editions of the textbook after the 8th edition. Revised reprints of the 8th edition will still be available. In addition, all current information on medical terminology subject matter can be found in Medical Language Lab, an online interactive platform that can be used to test medical language skills. F.A. Davis Company regularly updates Medical Language Lab to ensure that all instructional material is up to date and in conformity with accepted current standards. Any practice described in Medical Language Lab should be applied by the registered user in accordance with professional standards of care.

This Book Is Dedicated with Love

To my best friend, colleague, and husband, Dr. Julius A. Gylys, and to my children, Regina Maria and Dr. Julius Anthony, and to my grandchildren, Andrew Masters, Dr. Julia Halm, Caitlin Masters, Anthony Bishop-Gylys, Matthew Bishop-Gylys, and the little ones, Liam, Harrison, and Emmett Halm

B.A.G.

To my loving grandchildren, Andrew Arthur Kurtz, Katherine Louise Kurtz, Daniel Keith Wedding II, Carol Ann Estelle Wedding, Jonathan Michael Kurtz, Donald Keith Wedding III, Emily Michelle Wedding, Katelyn Christine Wedding, and David Michael Wedding

M.E.W.

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- Kirk Pedrick, Director, Digital Solutions
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Preface

Building on the success of previous editions, *Medical Terminology Systems*, 8th edition, continues its well-established record of presenting medical word building principles based on competency-based curricula. Because of the pedagogical success of previous editions, the 8th edition continues its structural design as a textbook–workbook that complements all teaching formats, including traditional lecture, distance learning, and independent or self-paced study. The 8th edition continues to present eponyms without showing the possessive form, such as *Bowman capsule, Cushing syndrome,* and *Parkinson disease.* Medical dictionaries as well as the American Association for Medical Transcription and the American Medical Association support these changes.

The popular basic features of the previous edition have been enhanced and expanded. The updated body systems chapters include diseases and conditions, current medical and diagnostic procedures, treatments, and pharmaceutical agents. The textbook continues to present authentic medical records with activities designed to enhance application of medical terminology to the "real world of medicine." This approach provides the essential tools students of various learning levels need to communicate effectively in today's health-care settings.

As in earlier editions, illustrations that clearly and accurately enhance textual material are integrated throughout the textbook. *Medical Terminology Systems,* 8th edition, includes over 36 new illustrations specifically designed to portray real-life medical conditions, procedures, and treatments. The illustrations supplement course content in new and interesting ways and help make difficult concepts clear. Unique to this edition are innovative illustrations created for Chapters 1 through 3 to help students understand the various applications of suffixes and prefixes in word building. Also new to the 8th edition are Documenting Health-Care Activities sections in each body systems chapter. These sections emphasize the role of the electronic medical record (EMR) in today's health-care industry.

Documenting Health-Care Activities are first introduced in Chapter 4, Body Structure. The introduction provides information related to the transition of the medical record from a paper medical chart to a digital version. Reinforcement of this introduction continues throughout each body systems chapter so that students fully understand how today's digital medical record allows practitioners to electronically monitor and track the history of a patient's medical treatment.

Although the fundamental characteristics of the 8th edition remain the same as those in previous editions, this edition offers significant updates and enhancements to aid in the learning process and improve retention of medical terms. To achieve this goal, each illustration in the textbook presents clinically accurate and aesthetically pleasing representations of anatomical structures, disease conditions, and medical procedures. In addition, ICD-10-PCS replacement terms for discontinued eponyms are summarized in Appendix H. As in previous editions, we continue to incorporate the excellent suggestions offered by instructors and students and appreciate all of their contributions. Undoubtedly, the recommendations have helped make *Medical Terminology Systems: A Body Systems Approach* a leading textbook in educational institutions and one that continues to be well received by instructors and students. Here is a brief summary of chapter content:

- **Chapter 1** explains the techniques of medical word building using basic word elements.
- **Chapter 2** categorizes major surgical, diagnostic, symptomatic, and grammatical suffixes.
- **Chapter 3** presents major prefixes of position, number and measurement, direction, and other parameters.
- **Chapter 4** introduces anatomical, physiological, and pathological terms. It also presents combining forms denoting cellular and body structures, body position and direction, and regions of the body, in addition to combining forms related to diagnostic methods and pathology. General diagnostic and therapeutic terms are described and provide a solid foundation for specific terms addressed in the body systems chapters that follow.
- **Chapters 5 through 16** are organized according to specific body systems and may be taught in any sequence. These chapters include key anatomical and physiological terms, basic anatomy and physiology, a