INTRODUCTION TO Medical Terminology SECOND EDITION

Linda Stanhope

Teacher Training Specialist Alvord, Texas

Kimberly Turnbull

Health Science Instructor Abilene, Texas

Publisher **The Goodheart-Willcox Company, Inc.**

Tinley Park, IL www.g-w.com

$\label{eq:copyright one of control of control of control of the control of the$

Previous edition copyright 2017

All rights reserved. No part of this work may be reproduced, stored, or transmitted in any form or by any electronic or mechanical means, including information storage and retrieval systems, without the prior written permission of The Goodheart-Willcox Company, Inc.

ISBN 978-1-64925-321-7

2 3 4 5 6 7 8 9 - 23 - 26 25 24 23 22

The Goodheart-Willcox Company, Inc. Brand Disclaimer: Brand names, company names, and illustrations for products and services included in this text are provided for educational purposes only and do not represent or imply endorsement or recommendation by the authors or the publisher.

The Goodheart-Willcox Company, Inc. Safety Notice: The reader is expressly advised to carefully read, understand, and apply all safety precautions and warnings described in this book or that might also be indicated in undertaking the activities and exercises described herein to minimize risk of personal injury or injury to others. Common sense and good judgment should also be exercised and applied to help avoid all potential hazards. The reader should always refer to the appropriate manufacturer's technical information, directions, and recommendations; then proceed with care to follow specific equipment operating instructions. The reader should understand these notices and cautions are not exhaustive.

The publisher makes no warranty or representation whatsoever, either expressed or implied, including but not limited to equipment, procedures, and applications described or referred to herein, their quality, performance, merchantability, or fitness for a particular purpose. The publisher assumes no responsibility for any changes, errors, or omissions in this book. The publisher specifically disclaims any liability whatsoever, including any direct, incidental, consequential, special, or exemplary damages resulting, in whole or in part, from the reader's use or reliance upon the information, instructions, procedures, warnings, cautions, applications, or other matter contained in this book. The publisher assumes no responsibility for the activities of the reader.

The Goodheart-Willcox Company, Inc. Internet Disclaimer: The internet resources and listings in this Goodheart-Willcox Publisher product are provided solely as a convenience to you. These resources and listings were reviewed at the time of publication to provide you with accurate, safe, and appropriate information. Goodheart-Willcox Publisher has no control over the referenced websites and, due to the dynamic nature of the internet, is not responsible or liable for the content, products, or performance of links to other websites or resources. Goodheart-Willcox Publisher makes no representation, either expressed or implied, regarding the content of these websites, and such references do not constitute an endorsement or recommendation of the information or content presented. It is your responsibility to take all protective measures to guard against inappropriate content, viruses, or other destructive elements.

Image Credits. Front cover: Heart: first vector trend/Shutterstock.com; Brain: Veleri/Shutterstock.com; Lungs: first vector trend/Shutterstock.com. Inquiring Minds: pizla09/Shutterstock.com, PavloArtStudio/Shutterstock.com

About the Authors

Linda Stanhope has experience as a Medical Technologist and taught as a Health Science Instructor for the Amarillo Independent School District in Texas for 24 years. Currently, she works with first-year Health Science Technology instructors in Texas as a new-teacher training specialist and aids organizations and districts in staff development and training. In addition, Stanhope works with Texas HOSA—Future Health Professionals on their competitive event team. Throughout her career, she has earned major awards, including the Health Science Lifetime Distinguished Teacher Award and Texas Health Occupations Teacher of the Year. Stanhope holds a Bachelor of Occupational Education degree from Wayland Baptist University.



Kimberly Turnbull is a Health Science Instructor and the Nurse Aide Training Competency Evaluation Program (NATCEP) Director in the Abilene Independent School District in Texas, where she has taught since 2004. Turnbull earned her BSN at Morningside College and her certificate in Applied Technology, Training, and Development from the University of North Texas. She has nursing experience in Medical-Surgical Nursing, Skilled Nursing, Intensive Care, and Home Health. She has earned multiple awards for her outstanding achievements in Health Science education, including the Texas Outstanding Teacher in Community Service Award from the Association for Career and Technical Education (ACTE), Teacher Tribute Awards from Abilene High School and Holland Medical High School, and Abilene Education Foundation Science Teacher of the Year. She is a member of the Texas Health Occupations Association (THOA) and Health Occupations Students of America (HOSA), and she has served as a board member for HOSA—Future Health Professionals.



Reviewers

The authors and publisher wish to thank the following industry and teaching professionals for their valuable input into the development of *Introduction to Medical Terminology*.

Kelly Anaya

Health Science/CTE Instructor Centenniel High School Health Academy Pueblo, Colorado

LeAnn Davidson

Health Science Instructor South Central Career Center West Plains, Missouri

Bonita Deen

RN, BSN Health Science Teacher Brownwood High School Early, Texas

Pamela Mallory

Teacher Timber Creek High School Denton, Texas

Linnea L. Mavrides, PsyD, CGP

Clinical Psychologist, Adjunct Professor LIU-Post Brookville, New York

Teresa Strickland

Teacher/Health Science Cooper High School Abilene, Texas

Danielle Young

High School Health Careers Teacher Eudora High School—De Soto Technical Education Center Eudora, Kansas

Bobbie Zuelke

Instructor, Center for Wellness and Medical Professionals Palm Harbor University High Palm Harbor, Florida

Goodheart-Willcox Publisher would also like to thank HOSA—Future Health Professionals for reviewing and contributing to the development of this program.

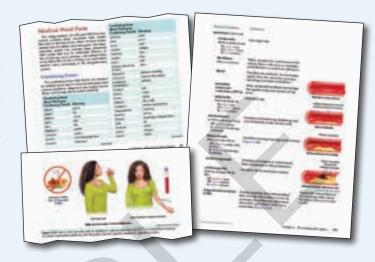
New to This Edition

The second edition of *Introduction to Medical Terminology* features updates in medical knowledge, scientific technology, and terminology, including advances in mental health and the emergence of COVID-19. New features, topics, and additions to this edition include the following:

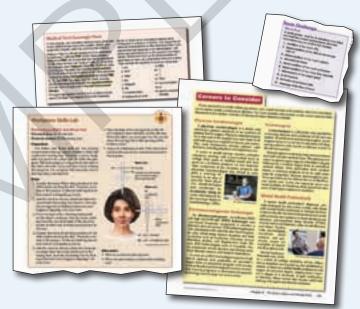
- New and updated information about mental health, including mental illnesses and mental health treatment.
- Information about COVID-19, including its pathology, spread, and impact on health.
- New Workplace Skills Lab features, which help connect medical terminology knowledge to key healthcare skills and prepare students for health science careers.
- New HOSA—Future Health Professionals Event Prep features and icons to help students connect with HOSA and prepare for competitive events.
- Reordering of chapters to break up key medical terminology and anatomy information and introduce the anatomy and functions of blood in relation to the cardiovascular system.
- New Medical Term Scavenger Hunt activities to help students engage with the text and locate medical terms, abbreviations, and definitions as they read.
- New Medical Transcription review sections in each Chapter Review to reinforce knowledge of medical abbreviations.
- Key updates to enhance text accessibility for students with disabilities.
- An updated combined Glossary/Index, which includes all of the medical terms in the text, their definitions, and key page numbers where more information can be found.

An Activities-Rich Medical Terminology Program from Goodheart-Willcox

Introduction to Medical Terminology is written by high school instructors for high school medical terminology classrooms. Throughout the text, word parts are clearly identified and defined, and medical term dissections use a color-coding system to help students easily identify word parts. Professional medical illustrations also help students visualize key diseases, disorders, and procedures.

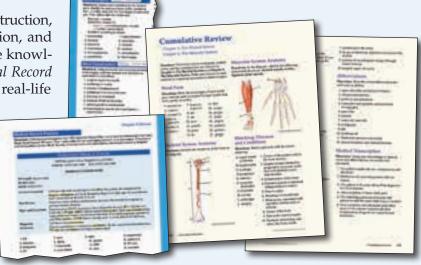


Features and engagement activities, such as *Student Challenges*, *Team Challenges*, *Fascinating Facts*, *Ponder This*, *Inquiring Minds*, and new *Medical Term Scavenger Hunts* engage high school students and invite participation, competition, and reinforcement. *Careers to Consider* features and new *Workplace Skills Labs* connect medical terminology concepts to real-world health science skills.



Reinforcement activities in word construction, word dissection, definitions, pronunciation, and spelling help students recall and utilize knowledge about medical word parts. *Medical Record Practice* activities, which simulate real-life

healthcare scenarios, also challenge students to apply their knowledge to medical scenarios and records. *Cumulative Reviews* throughout the text provide additional reinforcement and check-ins with student knowledge.



HOSA—Future Health Professionals



HOSA—Future Health Professionals is a global, student-led organization empowering future health professionals through collaboration, education, and experience. This organization introduces students to health careers and provides opportunities to build key leadership, communication, interpersonal, and healthcare skills.

Available at the middle school, secondary, and post-secondary levels, HOSA is a powerful instructional tool for equipping and educating future health professionals. If there is a HOSA chapter at your school, this course and text can help prepare you to participate, demonstrate your knowledge, and earn recognition through competitive events. If there is not a HOSA chapter at your school, you can talk with your instructor about starting one.

Introduction to Medical Terminology is a foundational medical terminology program with multiple opportunities to incorporate HOSA events and skills. Throughout the text, HOSA Event Prep icons identify activities specifically crafted to help you practice for competitive events. Some examples of how this program supports HOSA events follow:

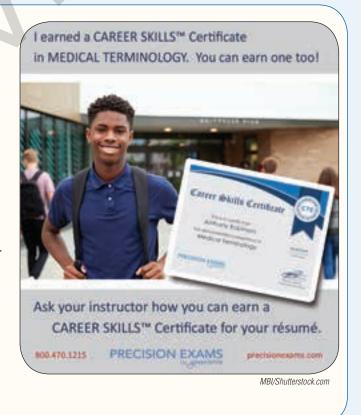
- Learning about word parts, word dissection, and word construction can prepare you for the HOSA *Medical Terminology* event.
- Spelling and pronunciation practice can help you build the skills to participate in the HOSA *Medical Spelling* event.
- The chapters of *Introduction to Medical Terminology* offer information about diseases and disorders, diagnostic methods, surgical procedures, and therapeutics. This content supports a variety of HOSA competitive events, from *Pathophysiology* to *Pharmacology*.
- Workplace Skills Labs, Student and Team Challenges, and the other features in Introduction to Medical Terminology help prepare students for many other competitive events, such as Epidemiology, Medical Assisting, and Biomedical Debate.

Precision Exams by YouScience Certification

Goodheart-Willcox is pleased to partner with YouScience to correlate *Introduction to Medical Terminology* with their Medical Terminology certification standards. Students who pass the exam and performance portion of the exam can earn a Career Skills certification. Precision Exams by YouScience and Career Skills Exams were created in partnership with industry and subject matter experts to align real-world job skills with marketplace demands. Students can showcase their skills and knowledge with industry-recognized certifications—and build outstanding resumes to stand out from the crowd!

And for teachers, Precision Exams by YouScience provides:

- Access to a library of Career Skills Exams, including pre- and post-assessments for all 16 National Career Clusters
- Suite of on-demand reporting to measure program and student academic growth
- Easy-to-use, 100% online administration
 To see how Introduction to Medical Terminology
 correlates to Precision Exams by YouScience
 standards, visit the Correlations tab at
 www.g-w.com/introduction-medical-terminology-2023. For
 more information about Precision Exams by YouScience,
 visit www.youscience.com/certifications/career-clusters/.



Brief Contents

Chapter 1	Basics of Medical Terminology	1
Chapter 2	Basics of the Body	19
Chapter 3	The Integumentary System	44
Cumula	ative Review: Chapters 1–3	
Chapter 4	The Skeletal System	70
Chapter 5	The Muscular System	
Cumula	ative Review: Chapters 4–5	132
Chapter 6	The Cardiovascular System	134
Chapter 7	The Lymphatic and Immune Systems	172
Cumula	ative Review: Chapters 6–7	201
Chapter 8	The Respiratory System	203
Chapter 9	The Digestive System	
Cumula	ative Review: Chapters 8–9	270
Chapter 10	The Nervous System and Mental Health	272
Chapter 11	The Special Senses	316
Cumula	ative Review: Chapters 10–11	349
Chapter 12	The Endocrine System	351
Chapter 13	The Urinary System	381
Cumula	ative Review: Chapters 12–13	411
Chapter 14	The Male Reproductive System	413
Chapter 15	The Female Reproductive System	437
Cumula	ative Review: Chapters 14–15	471

Contents

Chapter 1	Organs
Basics of Medical	Systems
Terminology 1	Chapter 2 Review
Introduction3Structure of a Medical Term3How to Read a Medical Term3Pronunciation and Spelling4Pronunciations in This Book4Singular and Plural Spellings4Medical Word Parts6Combining Forms6Prefixes7Suffixes7Classification and Description of Diseases and Conditions8Assessment Terms11Common Medical Abbreviations and	Chapter 3 The Integumentary System
Symbols	Therapeutic Drug Treatments
Chapter 2 Basics of the Body19	Chapter 4
Medical Word Parts20Combining Forms20	Chapter 4 The Skeletal System 70
Prefixes 21 Suffixes 21 Descriptive Terms 21	Medical Word Parts.71Combining Forms.71Prefixes.72
Anatomical Position	Suffixes73Anatomy and Physiology.73Functions of Bone.73
Body Cavities	Bone Structure
Tissues	Axial Skeleton

Diseases and Conditions	Anatomy and Physiology137
Diagnostic Tests and Procedures88	Functions of the Blood
Surgical Procedures and Therapeutics 92	Structure of the Blood
Therapeutic Drug Treatments94	Functions of the Cardiovascular
Common Medical Abbreviations94	System
Chapter 4 Review96	Organs and Structures of the Cardiovascular System
	Diseases and Conditions
Chapter 5	Diagnostic Tests and Procedures
The Muscular	Surgical Procedures and Therapeutics 161 Therapeutic Drug Treatments
System	Common Medical Abbreviations
	Chapter 6 Review168
Medical Word Parts	
Combining Forms	
Prefixes	Chapter 7
Suffixes	The Lymphatic and
Anatomy and Physiology	
Muscle Tissue Types	Immune Systems172
Muscle Tissue Properties	Medical Word Parts173
Muscle Origin and Insertion	Combining Forms
Skeletal Muscle Organization 107	Prefixes
Directional Motion	Suffixes
Major Muscles and Their Functions 110	Anatomy and Physiology
Diseases and Conditions	Functions of the Lymphatic and
Diagnostic Tests and Procedures	Immune Systems
Surgical Procedures and Therapeutics 122	Structure of the Lymphatic System 175
Therapeutic Drug Treatments	Structure of the Immune System 179
Common Medical Abbreviations	Types of Immunity
Chapter 5 Review	Diseases and Conditions
Cumulative Review: Chapters 4–5 132	Diseases and Conditions of the Lymphatic and Immune Systems 184
	Classification of Diseases and
Chapter 6	Conditions
The Cardiovascular	Diagnostic Tests and Procedures189
	Surgical Procedures and Therapeutics 192
System	Common Medical Abbreviations194
Medical Word Parts	Chapter 7 Review197
Combining Forms 135 Prefixes 136	Cumulative Review: Chapters 6–7 201
Suffixes	

Chapter 8	Chapter 10
The Respiratory	The Nervous System
System	and Mental Health272
Medical Word Parts204	Medical Word Parts273
Combining Forms	Combining Forms 273
Prefixes	Prefixes
Suffixes	Suffixes
Anatomy and Physiology205	Anatomy and Physiology275
Functions of the Respiratory System 206	Functions of the Nervous System 275
Organs and Structures of the	Basic Structures of the Nervous
Respiratory System	System
Diagnostic Tests and Procedures	Divisions of the Nervous System 278 Central Nervous System 279
Surgical Procedures and Therapeutics	Diseases and Conditions
Therapeutic Drug Treatments	Diagnostic Tests and Procedures
Common Medical Abbreviations	Surgical Procedures and Therapeutics 306
Chapter 8 Review230	Therapeutic Drug Treatments
	Common Medical Abbreviations
	Chapter 10 Review
Chapter 9	
The Digestive	Chapter 11
System	The Special Senses316
Medical Word Parts	_
Combining Forms	Medical Word Parts
Prefixes	Combining Forms 317 Prefixes 318
Suffixes	Suffixes
Anatomy and Physiology	Anatomy and Physiology
Functions of the Digestive System 237	Functions of the Special Senses
Organs and Structures of the Digestive	Organs and Structures of the Special
System	Senses
Diseases and Conditions	Diseases and Conditions
Signs and Symptoms	Diseases and Conditions of the Eye 327
Surgical Procedures and Therapeutics	Diseases and Conditions of the Ear 331
Common Medical Abbreviations	Other Diseases and Conditions334
Chapter 9 Review	Diagnostic Tests and Procedures334
	Vision
Cumulative Review: Chapters 8–9 270	Hearing
	Touch, Pressure, and Pain

Surgical Procedures and Therapeutic	Anatomy and Physiology
Treatments	Functions of the Urinary System 383
Common Medical Abbreviations343	Organs and Structures of the Urinary
Chapter 11 Review	System
Cumulativa Paviavy Chapters 10, 11 240	Signs and Symptoms
Cumulative Review: Chapters 10–11 349	Diseases and Conditions
	Diagnostic Tests and Procedures395
Chapter 12	Surgical Procedures and Therapeutics 402
The Endocrine	Common Medical Abbreviations
	Chapter 13 Review
System	Cumulative Review: Chapters 12–13 411
Medical Word Parts352	Cultulative Review. Chapters 12–13 411
Combining Forms	
Prefixes	Chapter 14
Suffixes	The Male
Anatomy and Physiology353	
Functions of the Endocrine System 353	Reproductive
Organs and Glands of the Endocrine	System
System	
Diseases and Conditions	Medical Word Parts
Diagnostic Tests and Procedures370	Combining Forms
Surgical Procedures and Therapeutics 373	Prefixes
Therapeutic Drug Treatments	Suffixes
Common Medical Abbreviations375	Anatomy and Physiology
Chapter 12 Review377	Functions of the Male Reproductive System415
	Organs and Structures of the Male
Chapter 12	Reproductive System 416
Chapter 13	Diseases and Conditions
The Urinary	Diagnostic Tests and Procedures
	Surgical Procedures and Therapeutics 426
System	Common Medical Abbreviations
Medical Word Parts382	Chapter 14 Review
Combining Forms	-
Prefixes	
Suffixes	

Chapter 15
The Female
Reproductive
System
Medical Word Parts438
Combining Forms 438
Prefixes
Suffixes
Anatomy and Physiology440
Functions of the Female Reproductive
System
Organs and Structures of the Female
Reproductive System 440

Pregnancy, Labor, and Delivery 444

Diseases and Conditions
Diagnostic Tests and Procedures456
Surgical Procedures and Therapeutics 460
Therapeutic Drug Treatments
Common Medical Abbreviations
Chapter 15 Review467
Cumulative Review: Chapters 14–15 471
Appendix A: Medical Word Parts473
Appendix B: Medical Abbreviations and
Acronyms
Glossary/Index483

Feature Contents

Careers to Consider

Medical Assistant	15	Thoracic Surgeon	229
Medical Coder		Gastroenterologist	
Health Information Technician		9	
		Registered Dietitian	
Community Health Worker		Dentist	
LPN/LVN		Dental Hygienist	
Nurse Practitioner	39	Physician Anesthesiologist	. 311
Physician's Assistant	39	Electroneurodiagnostic Technologist	. 311
Dermatologist	63	Neurosurgeon	. 311
Dermatology Nurse Practitioner	63	Mental Health Professionals	. 311
Dermatology Technician	63	Optometrist	.344
Chiropractor	95	Ophthalmologist	.344
Physical Therapist	95	Audiologist	
Orthopedic Surgeon	95	Nutritionist	. 376
Prosthetist		Endocrinologist	. 376
Radiologic Technologist	95	Certified Diabetes Educator	. 376
Certified Fitness Trainer	. 127	Phlebotomist	. 376
Exercise Physiologist	. 127	Dialysis Technician	.406
Sports Medicine Physician		Urologist	.406
Cardiologist		Case Management Nurse	.406
Cardiovascular Technologist		Surgical Technician	.432
Telemetry Nurse		Pharmacist	
Allergist/Immunologist		Oncologist	.432
Epidemiologist	. 196	Obstetrician/Gynecologist	.466
Oncology Nurse	. 196	Doula	.466
Respiratory Therapist		Certified Nurse-Midwife	.466
Perfusionist		Ultrasound Technician	.466
Pulmonologist			

Case Study

Chapter 1 Case Study 2	Chapter 9 Case Study	Ŀ
Chapter 2 Case Study	Chapter 10 Case Study	L
Chapter 3 Case Study 61	Chapter 11 Case Study	3
Chapter 4 Case Study	Chapter 12 Case Study)
Chapter 5 Case Study	Chapter 13 Case Study 405	5
Chapter 6 Case Study	Chapter 14 Case Study)
Chapter 7 Case Study	Chapter 15 Case Study	Ŀ
Chapter 8 Case Study	-	

Inquiring Minds	
Labeling the Body	
Travel Immunizations 9 Diarrheal Diseases	
"Do Not Use" Abbreviations	
Eggsperiment in Osmosis	
Skin Function	
Fingerprints	
Third-Degree Burns	
Understanding Calcium	
Foramens	
Rigor Mortis	
Blood Type and Crossmatch	
Pulse Points	
Arrhythmias	
Rhinovirus	
Holding Your Breath	
Virus Mutations	

Ponder This		2.7?
Travel and Disease	9 Byproducts.of.Respiration	210.
Abdominal Divisions	28 . Emphysema	217
Fingernails	51 Medical Imaging	243.
Rule of Nine	53 . Spinal Cord Injuries (SCIs)	282
Sun Exposure	58. Injuries to the Brain	
Broken Bones	84 Aging Changes	334.
Greek and Latin	103 Effects of Cortisol	366
Tetralogy of Fallot	157 . Understanding Kidney Disease .	388.
Infection Prevention	178 . Age and Urinary Function	395.
Immunizations	182 . Testicular Cancer Self-Exam	426.
Bioterrorism	188 . ED.Drugs	428
The Air You Breathe	206	

Student Challenge

Practice Pronunciation 4	Neuromuscular	Neurohormones 286
Building Terms 8	Kinesthetic (Movement)	Dementia Screening 304
Patient Assessment	Assessment	Test Your Blind Spot 321
Touch 47	Taking Radial Pulse 144	Bad Sound 324
Trash Skin Cell Project 57	Cardiovascular Terms 148	Endocrine Diseases 364
Skin Grafts 58	Brachial Pulse	Calculating I/O 390
Eight in Three 72	Find the Term	Boxers or Briefs
Right and Left Hand 73	The Spread of Germs182	Using Punnett Squares418
Build the Term 82	Respiratory Disorders 220	Pregnancies and Births 448
Skeletal Alphabet 94	Name the Structure 240	Punnett Square Practice 449
Eight in Three	Understanding Bile 244	Client Documentation 465
Percentage Body Weight 105	Mapping the Digestive	
	System 247	

Team Challenge

Five in One	Take a Deep Breath, Now Exhale213	Saving First Period: Circadian Rhythm359
Learning About Lice 54	Six in Two	The History Behind the
Long Bones77	Fourteen in Seven	Name
Your Spine in Action	Dig Deeper	Map It Out: What Hormones Cause the Change? 363
Muscle Types 105	The Science Behind	Twelve in Six374
Discoveries of the Muscular	Hypokalemia	
System	Understanding Mental	Sixteen in Eight
Twelve in Five	Illnesses	Dialysis Uncovered
Ten in Five	Post-Traumatic Stress	Infertility
	Disorder (PTSD)298	Ten in Five
Thinking Like a Pro (Professional)192	Eight in Four	Conducting Research 453
Lab Orders	Nineteen in Ten342	Seventeen in Nine463

Workplace Skills Lab



Hand Washing	Donning (Putting on) and Doffing (Removing)
Correct Positioning	Gown and Gloves
Measure and Record Temperature Using a	Counting and Recording Respirations 208
Digital Thermometer	"Time" for Lunch
Assisting a Client to Ambulate Using a	Performing a Stereognosis Assessment 305
Transfer Belt	Assessing Visual Acuity Using a Snellen
Appling an Ace Wrap to the Wrist/Hand 121	Chart
Transferring a Client from Chair to Chair 126	Performing a Weber and Rinne Test 339
Counting and Recording Apical Pulse 145	Measuring and Recording Urinary Output 401

To the Student

Have you ever found yourself totally captivated by a medical program, watching a surgery and listening to the conversation around the operating room? Were you ever intrigued by the long, technical, multisyllable words your healthcare provider used to describe a diagnosis or procedure you, a family member, or a friend experienced? Do you already understand common medical abbreviations such as EKG or STAT, and do you want to learn more? Have you ever learned about a disease process by searching for symptoms online?

If you answered "yes" to any of these questions, welcome to *Medical Terminology*! Medical terminology is the language of medicine and the very foundation of understanding the world of healthcare. As a future healthcare professional, you will benefit from knowing and understanding medical terminology, regardless of the area of medicine you choose. The biomedical laboratory technician, the certified personal trainer, the X-ray technician, and the surgeon all need a solid background in medical terminology. You will find that medical terminology is a useful tool in all future healthcare courses.

Our textbook is an excellent means for you to discover the basics of medical terminology. Real-world *Case Studies* will challenge you to think critically and evaluate your own interpretations of diagnoses and treatments. You will find yourself learning up-to-date, state-of-the-art procedures with *Workplace Skills Lab*, *Team Challenge*, *Inquiring Minds*, *Student Challenge*, and *Ponder This* activities.

In each chapter, you will read an overview of the human anatomy and physiology for a new body system, and you will study the diseases and conditions related to that system. In addition, you will learn about common diagnostic procedures, surgical procedures, and therapeutic treatments for those diseases and conditions. Frequently used medical abbreviations are listed and embedded in simulated medical records so that you can practice using and interpreting the same terms you will encounter in real-world healthcare settings. You will also read about possible career options in each chapter.

As you learn about each body system, you will be exposed to terms specific to that system. Soon you will notice that the beginnings, ends, and core parts of long, difficult words begin to look familiar. Your hard work and study will begin to pay off as repetition makes your learning stick!

We hope you will love medical terminology as much as we do. Enjoy the fascinating world of the language of medicine!

Linda Stanhope Kimberly Turnbull