

Health Science Concepts and Skills

SECOND EDITION

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Reviewers

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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.

Throughout *Health Science Concepts and Skills*, 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:

- HOSA Event Prep features at the beginning of every chapter suggest HOSA events related to chapter content. Examples include Job Seeking Skills in Chapter 2: *Exploring Healthcare Careers*, Pathophysiology in Chapter 12: *Disease*, and CPR and First Aid in Chapter 17: *First Aid*.
- Activities at the end of each chapter help prepare you for Leadership Events such as Prepared Speaking and Researched Writing and Speaking.

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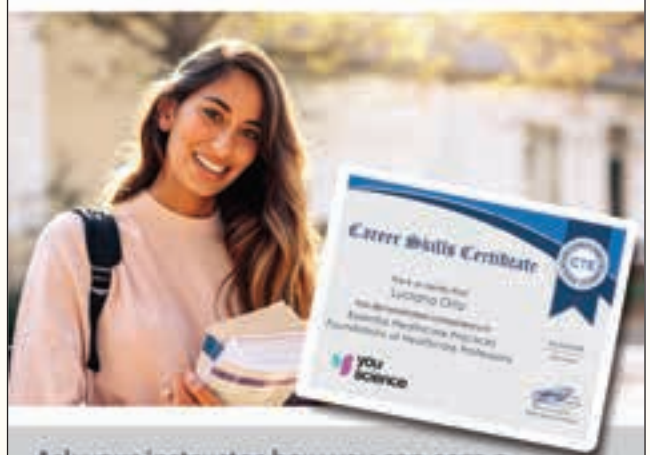
Goodheart-Willcox is pleased to partner with YouScience to correlate *Health Science Concepts and Skills* with their Essential Healthcare Practices and Foundations of Healthcare Professions certification standards. Students who pass the exams and performance portions of the exams can earn a Career Skills 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!

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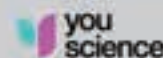
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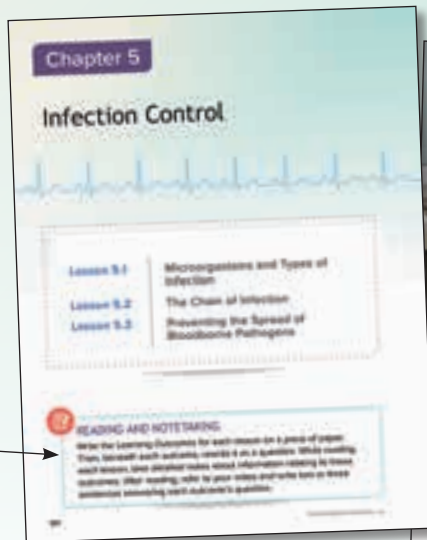
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Guided Tour

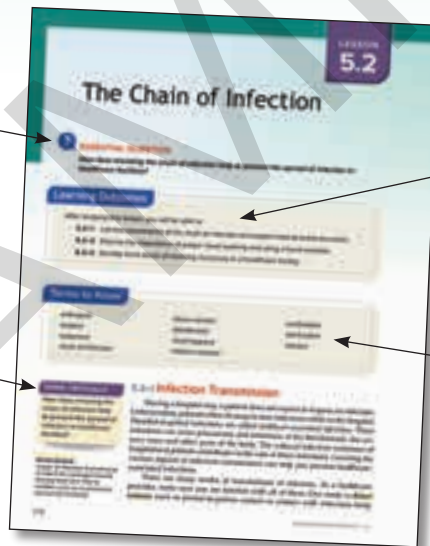
The instructional design includes student-focused learning tools to help students succeed. This visual guide highlights the features designed for the textbook.

Reading and Notetaking activity prepares you to read, comprehend, and discuss the concepts in the chapter.



HOSA Event Prep activity identifies HOSA events related to the chapter.

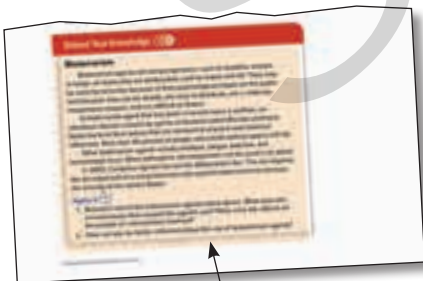
Essential Question provides a starting point for thinking about the material in the lesson.



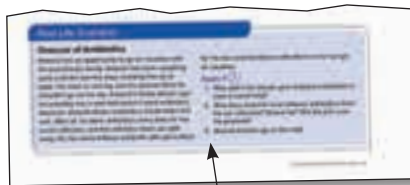
Learning Outcomes clearly identify the knowledge and skills to be obtained when the chapter is completed.

Think Critically question helps focus your attention on the topics covered in each section.

Terms to Know list the key terms to be learned in the chapter.



Extend Your Knowledge provides additional information about important health science concepts, with application questions to consider.

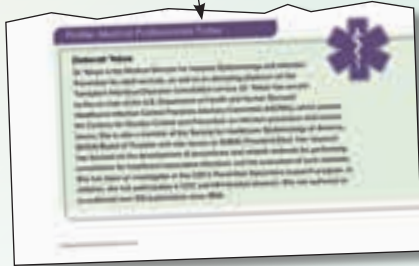


Real Life Scenario describes a real-world scenario with application questions to consider.



Did You Know? introduces relevant and interesting facts that further your understanding of selected lesson concepts.

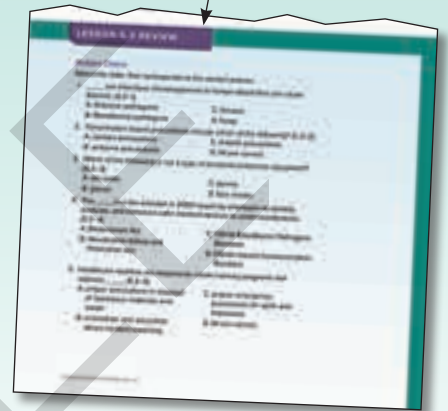
Profile: Medical Professionals Today highlights an accomplished healthcare professional, providing insight into a variety of healthcare careers.



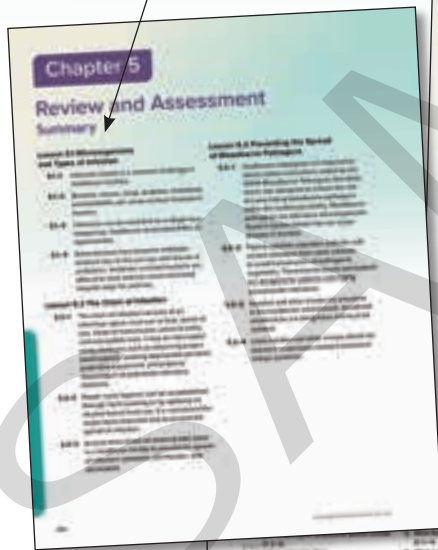
Step-by-Step Procedures provide clear instructions for performing safety and direct care procedures.



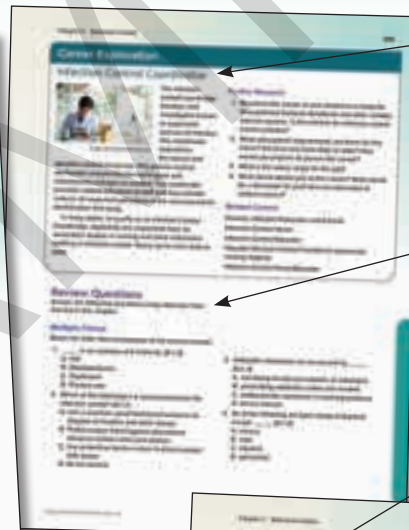
Lesson Review questions at the end of each lesson provide opportunities to extend your learning and help you apply knowledge.



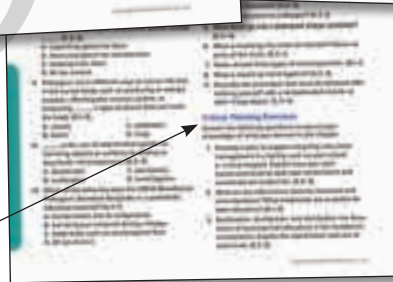
Summary feature provides an additional review tool for you and reinforces key learning outcomes.



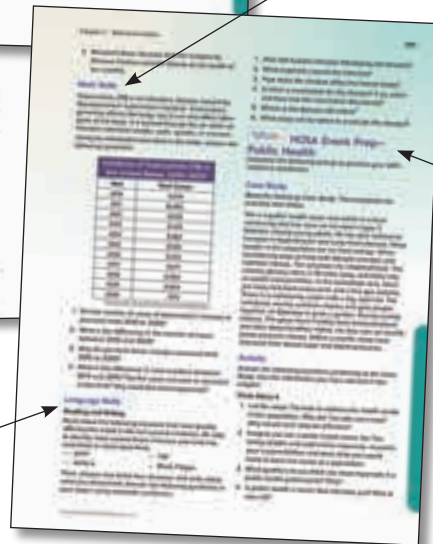
Career Exploration profiles a healthcare career and can provide a path for career success.



Review Questions allow you to demonstrate knowledge, identification, and comprehension of chapter material.



Math Skills provides additional practice with mathematical concepts in scenarios related to healthcare.



Critical Thinking questions develop higher-order thinking and problem-solving, personal, and workplace skills.

Language Skills reinforces key language skills such as reading, writing, speaking, and listening.

HOSA Event Prep activity helps prepare you to participate in HOSA events related to the chapter.

TOOLS FOR STUDENT AND INSTRUCTOR SUCCESS

Student Tools

Student Text

Health Science Concepts and Skills covers the knowledge and skills required to prepare students for a career in healthcare. The lesson-based structure includes extensive assessment opportunities as well as a selection of Career Exploration features, which provide students with information about a variety of healthcare careers. Step-by-step procedures allow for hands-on acquisition of key healthcare skills. The following supplemental materials are available for students with access to digital resources.



Workbook

Hands-on practice includes questions and activities.

Organized to follow the textbook lessons to help students achieve key learning outcomes.

Companion Website

E-flash cards and vocabulary exercises allow interaction with content to create opportunities to increase achievement.

Animations and interactive activities reinforce key concepts from the text with engaging and informational graphics.

Instructor Tools

G-W Ignite

G-W Ignite provides a seamless user experience for both you and your students. The easy-to-navigate interface and class rostering capabilities make setting up a course easy and intuitive. Instructors can quickly and easily share assignments with students. Auto-graded activities and assignments make grading easier than ever, and rubrics are provided for ease of grading when required. Extensive reporting capabilities allow instructors to view students' progress and evaluate performance against learning outcomes and key standards. Students have their own My Progress dashboard where they can view grades and comments from their instructor.

G-W Ignite provides a complete learning package for you and your students. The included digital resources help your students remain engaged and learn effectively.

The **Online Textbook** is a reflowable digital textbook that works well on all devices. It also works well with screen readers and accessibility tools.

The **Online Workbook** content in digital format provides opportunities for students to reinforce understanding of learning outcomes in the text. Instructors can easily assign activities and grade student work using the rubrics provided.

Videos demonstrate important procedures or dive deeper into key concepts from the text. These videos clarify steps and aid students in visualizing important skills. Guided worksheets are provided to help students take notes as they watch each video. Video quiz questions help assess student comprehension in real time.

Drill and Practice Vocabulary Activities, which are provided for all key terms in every lesson, provide an active, engaging, and effective way for students to learn the required terminology.

Use the **Pretests, Posttests, and Exams** to assess students' knowledge of learning outcomes and key standards. These prebuilt assessments help you measure student knowledge and track progress in achieving learning outcomes.

The **Instructor Resources** provide instructors with time-saving preparation tools such as answer keys, editable lesson plans, and other teaching aids.

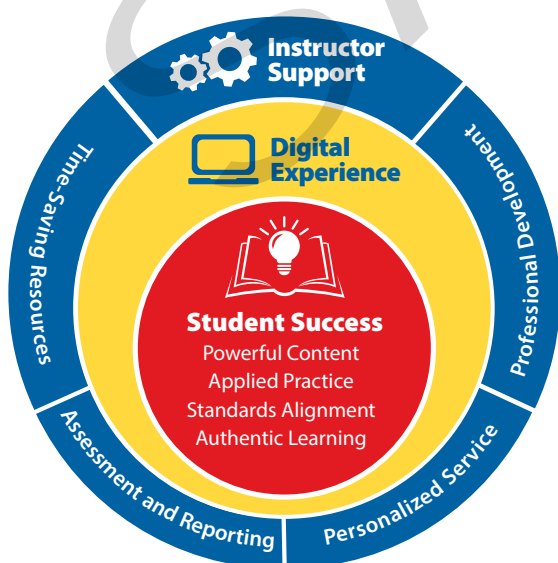
Instructor's Presentations for PowerPoint® are fully customizable, richly illustrated slides that help you teach and visually reinforce the key concepts from each chapter.

See www.g-w.com/health-science-concepts-skills-2024 for a list of all available resources.

Professional Development

- Expert Content Specialists
- Research-Based Pedagogy and Instructional Practices
- Options for Virtual & In-Person PD


Skillful Digital Learning



Brief Contents

Chapter 1	Introduction to Healthcare Systems	2
Chapter 2	Exploring Healthcare Careers	38
Chapter 3	Healthcare Laws and Ethics	80
Chapter 4	Safety	106
Chapter 5	Infection Control	162
Chapter 6	Study Skills	198
Chapter 7	Communication Skills	230
Chapter 8	Employability Skills	262
Chapter 9	Medical Math Skills	298
Chapter 10	Medical Terminology	336
Chapter 11	Anatomy and Physiology	366
Chapter 12	Disease	418
Chapter 13	Health and Wellness	456
Chapter 14	Lifespan Development	496
Chapter 15	Healthcare Technology	524
Chapter 16	Vital Signs, Height, and Weight	550
Chapter 17	First Aid	598
Chapter 18	Working in Healthcare	630
Background Lesson 1	Grammar Review	696
Background Lesson 2	Math Review	716

Contents

Chapter 1

Introduction to Healthcare Systems 2

Lesson 1.1 A Brief History of Healthcare 4

Lesson 1.2 The United States' Healthcare Industry Today 18

Chapter 2

Exploring Healthcare Careers 38

Lesson 2.1 Planning for a Career in Healthcare 40

Lesson 2.2 Careers in Therapeutic and Diagnostic Services 50

Lesson 2.3 Careers in Health Informatics, Support Services, and Biotechnology Research and Development 63

Chapter 3

Healthcare Laws and Ethics 80

Lesson 3.1 Medical Ethics and Legal Responsibilities 82

Lesson 3.2 Legal Protection for Patients and Healthcare Workers 87

Lesson 3.3 Medical Malpractice and Reportable Behavior 95

Chapter 4

Safety 106

Lesson 4.1 Environmental Safety 108

Lesson 4.2 Employee and Patient Safety 123

Lesson 4.3 Assisting with Mobility 130

Chapter 5

Infection Control 162

Lesson 5.1 Microorganisms and Types of Infection 164

Lesson 5.2 The Chain of Infection 172

Lesson 5.3 Preventing the Spread of Bloodborne Pathogens 181

Chapter 6

Study Skills 198

Lesson 6.1 Assessing Your Study Habits and Learning Style 200

Lesson 6.2 Reading to Learn 210

Lesson 6.3 Preparing for and Taking Tests 219

Chapter 7

Communication Skills 230

Lesson 7.1 Verbal Communication 232

Lesson 7.2 Nonverbal Communication and Active Listening 247

Chapter 8

Employability Skills 262

Lesson 8.1 Professionalism and Personal Qualities 264

Lesson 8.2 Preparing for and Finding Employment 276

Chapter 9

Medical Math Skills 298

Lesson 9.1 Decimal Fractions, Percentages, and Ratios 300

Lesson 9.2 Introduction to Algebra and Data Analysis 310

Lesson 9.3 Measurement in Healthcare 322

Chapter 10

Medical Terminology 336

Lesson 10.1 Building Medical Terms 338

Lesson 10.2 Using Medical Terminology Appropriately 344

Chapter 11

Anatomy and Physiology 366

Lesson 11.1 Organization of the Human Body 368

Lesson 11.2 The Integumentary, Musculoskeletal, Nervous, and Sensory Systems	377		
Lesson 11.3 The Endocrine, Respiratory, and Cardiovascular Systems	392		
Lesson 11.4 The Lymphatic and Immune, Gastrointestinal, Urinary, and Reproductive Systems	409		
Chapter 12			
Disease	418		
Lesson 12.1 Identifying and Classifying Diseases	420		
Lesson 12.2 Leading Causes of Death in the United States	434		
Lesson 12.3 Emerging Diseases and Biotechnology Research	445		
Chapter 13			
Health and Wellness	456		
Lesson 13.1 The Aspects of Health and Holistic Health	458		
Lesson 13.2 Health Literacy and Promoting Healthy Behaviors	464		
Lesson 13.3 Understanding Unhealthy Behaviors	474		
Lesson 13.4 Advocating for Personal, Community, and Global Health.	486		
Chapter 14			
Lifespan Development	496		
Lesson 14.1 Human Growth and Development	498		
Lesson 14.2 Infancy through Adolescence	502		
Lesson 14.3 Adulthood through the End of Life	513		
Chapter 15			
Healthcare Technology	524		
Lesson 15.1 Healthcare Computer Systems and Patient Health Information	526		
Lesson 15.2 Diagnostic Technology and Biotechnology	538		
		Chapter 16	
		Vital Signs, Height, and Weight	550
		Lesson 16.1 Temperature	552
		Lesson 16.2 Pulse and Respiration	568
		Lesson 16.3 Blood Pressure	578
		Lesson 16.4 Height and Weight	586
		Chapter 17	
		First Aid	598
		Lesson 17.1 Responding to Cardiopulmonary Emergencies	600
		Lesson 17.2 Responding to Other Important Medical Emergencies	609
		Chapter 18	
		Working in Healthcare.	630
		Lesson 18.1 Nursing Assistants and Patient Care Technicians.	632
		Lesson 18.2 Health Unit Coordinators and Medical Assistants	654
		Lesson 18.3 Dental Assistants and Pharmacy Technicians	668
		Lesson 18.4 Physical Therapy Assistants and Emergency Medical Technicians	676
		Background Lessons	696
		Background Lesson 1 Grammar Review	696
		Background Lesson 2 Math Review	716
		Glossary	733
		Index	747

Feature Contents

Career Exploration

Mental Health Technician	35	Medical Transcriptionist	363
Occupational Therapist	77	Respiratory Therapist	415
Certified Nurse-Midwife	103	Physician Assistant	453
Public Health Nurse	159	Athletic Trainer	493
Infection Control Coordinator	195	Medical Social Worker	521
Certified Registered Nurse Anesthetist	227	Registered Health Information Technician (RHIT)	547
Medical Writer	259	Home Health Aide	595
Medical Coder	295	Paramedic	627
Pharmacy Technician	331	Biomedical Engineer	693

Did You Know?

The Black Death	8	How Many Bones Are in the Human Body?	381
Bloodletting	9	Heart Statistics	398
Early Pain Relief	11	Reproductive System Facts	410
Working as a Team	41	Understanding Skin Cancer	426
HIPAA	67	Identifying a Stroke	441
Back Injuries	124	Dolly Makes History	449
Bedsores and Bacteria	131	Overcoming Depression through Exercise	477
What's the Most Hygienic?	179	Is Vaping Dangerous to Your Health?	481
Writing Legibly	220	Prematurity and Development	503
Focusing on the Essence of a Chapter	222	Fetal Alcohol Syndrome (FAS)	504
Cramming and Pulling All-Nighters	223	Confidentiality and the Hippocratic Oath	529
Listening and Attention	234	A Child's Temperature Is Usually Higher and More Variable	556
Addressing Patients	235	Mercury Thermometers—a Thing of the Past	557
Children and the Truth	240	High Blood Pressure by the Numbers	579
Overcoming a Fear of Public Speaking	243	Staying Calm in an Emergency	603
Online Resources	278	People are Poisoned Every Day	612
Counting Sheep	315	Burn Statistics	620
The History of Measurement	323	Admissions to US Healthcare Facilities	655
Origins of the Trendelenburg Position	352	Prescriptions in the United States	672
Living with One Kidney or Lung	373		

Extend Your Knowledge >>>>

Professional Healthcare Associations	26	.The Danger of Commonly Misused Medical	
Hospitals	28	Terms	348
The Importance of Forming Healthy		What's in a Cell?	370
Relationships	43	Kidney.Swap	374
Dietary Needs	70	Diabetes Mellitus.....	394
Deep Brain Stimulation for Parkinson's		The Electrocardiogram	399
Disease	71	Blood Pressure, Hypertension, and Heart	
Career Research	74	Disease	436
Ethical Issues in Healthcare Today	84	Transplant Treatment	439
Civil Law and Criminal Law	88	Emotional Intelligence	460
Burn Degrees	115	Opioid Epidemic	482
Bioterrorism	167	Healthcare Access	490
Super Bugs	169	Sudden Infant Death Syndrome (SIDS)	507
Cultural Attitudes toward Time	207	Bone.Marrow Transplants	542
Reading Resources	215	Taking Vital Signs Should Be a Positive	
Researching Great Leaders	267	Experience	555
To Divide or Not Divide a Medication	305	Body Mass Index	587
Using Roman Numerals in Medicine	316	Finding "Clues" during Physical Examinations	664
Determining Term Origin	340		



HOSA EVENT PREP

Health Education	3	. Medical Terminology	337
Job Seeking Skills	39	. Medical Spelling.	367
Medical Law and Ethics	81	. Pathophysiology	419
CERT Skills	107	. Behavioral.Health	457
Public Health	163	. Human Growth and Development	497
Researched Reading and Writing	199	. Health Informatics	525
Prepared Speaking	231	. Personal.Care	551
Interviewing Skills	263	. CPR and First Aid	599
Medical Math	299	. Medical.Assistant	631

Real Life Scenario

Insurance Choices	23	Using Fractions in Healthcare	301
Choosing a Career Path	45	Working with Decimal Fractions	303
Argumentative Patients	59	Using Algebra to Calculate Vacation Days	314
Confidentiality	92	Using Mean, Median, and Mode in Healthcare	318
Assault or Proper Patient Care?	97	Converting Height and Weight to the Metric System	325
Scope of Practice	99	Understanding Your Doctor	345
Acceptable Speech	101	Decoding a Medical Record	348
What's in a Position?	140	Finding an Organ Donor	373
Reporting Incidents	155	Alzheimer's Disease Confusion	432
Overuse of Antibiotics	166	Role-Playing	470
Needlestick Incidents	191	One Student's Stress	471
Understanding the Assignment	201	Depression and Suicide Threats	479
Using Critical Thinking at Work	208	Pregnancy Advice	504
Last-Minute Cramming	224	Attitude Changes	511
Inattention	248	Keeping Up with Technology	539
Developing Empathy	266	A Young Athlete Gets His Pulse Checked	571
Strengthening Group Dynamics in the Workplace	269	Checking Blood Pressure	585
Dealing with Conflict	270	Is It Poison?	613
Taking Responsibility	272	Responding to an Unconscious Patient	689
Responding to Questionable Questions	290		

Profile: Medical Professionals Today

Joycelyn Elders	15		
Tu Youyou	74		
Arthur Caplan	85		
Donald Berwick	110		
Deborah Yokoe	183	Rochelle Walensky	429
Beverly Malone	204	Ashley Koff, RD	467
Dr. Vivek Murthy	244	Peter H. Cheng, MD	515
A. Eugene Washington	282	Dr. Steven D. Spitz	543
Allen Cormack and Godfrey Hounsfield	312	Dr. Nieca Goldberg, MD	553
Medical Terminology Expert	354	Deanne Criswell	602
Jared Diamond	371	Dr. April N. Kapu	635



Procedures

Turning a Patient in Bed	137	Measuring the Height of Bedridden Patients	590
Helping a Patient Ambulate	144	Weighing Bedridden Patients Using a Hydraulic Patient Lift Scale	592
Providing Assistance with a Cane	148	Responding to and Controlling Bleeding	616
Providing Assistance with a Walker	151	Responding to Choking Using Abdominal Thrusts	618
Hand Washing	175	Responding to Fainting	622
Using Hand Sanitizer	177	Responding to a Seizure	623
PPE: Putting on and Removing Disposable Gloves	186	Giving a Total or Partial Bed Bath	637
PPE: Putting on and Removing Gowns	188	Assisting Patients with Dressing and Undressing	645
Double Bagging Infectious Waste	192	Assisting Patients with Meals	650
Using a Digital Oral Thermometer	559	Admission to a Healthcare Facility	656
Using a Digital Rectal Thermometer	560	Transfer Within or to Another Facility	659
Using a Digital Axillary Thermometer	562	Discharge from a Healthcare Facility	660
Using a Digital Tympanic Thermometer	564	Preparing for an Examination	666
Using a Digital Temporal Artery Thermometer	566	Teaching Oral Care	670
Measuring a Radial Pulse	572	Filling a Prescription	674
Measuring an Apical Pulse	573	Performing Range-of-Motion Exercises	680
Counting Respirations	576	Positioning an Unconscious Person	690
Taking Blood Pressure	581		
Measuring the Height and Weight of Ambulatory Patients	588		