

What's **NEW** in **Advanced Emergency Care and Transportation of the Sick and Injured** FOURTH EDITION

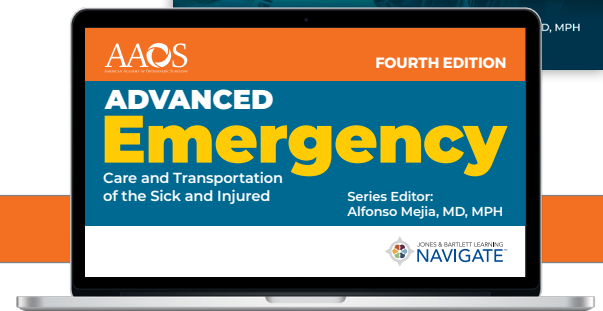
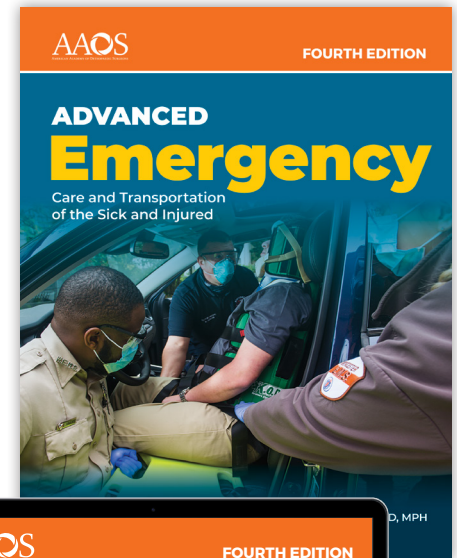
The all-new **Fourth Edition** of **Advanced Emergency Care and Transportation of the Sick and Injured** combines comprehensive content with an unparalleled suite of digital resources to fully empower AEMT students and educators. Developed in coordination with the American Academy of Orthopaedic Surgeons (AAOS) and closely reviewed by industry experts, the **Fourth Edition** delivers the latest medical evidence and aligns to current EMS standards, now in a simpler, easier-to-read layout.

Key updates to the overall text include the following:

- Discussion of precautions and procedures in response to the COVID-19 pandemic
- Inclusion of the most current scientific recommendations developed by the International Liaison Committee on Resuscitation (ILCOR) and the ECC Guidelines established by the American Heart Association and other resuscitation councils around the world
- Reviewed and updated statistics throughout
- Clear chapter objectives that align with the 2019 National EMS Scope of Practice Model and 2021 EMS Education Standards
- Assessment Pearls that reinforce assessment priorities in each clinical chapter
- Street Smarts boxes that emphasize “soft skills” of EMS, including empathy, teamwork, and communication

Chapter-by-Chapter Changes

Chapter-by-chapter changes include, but are not limited to, the following:



SECTION 1 Preparatory

CHAPTER 1 EMS Systems

Key Update: Discussion of human trafficking

Revised discussion of standards and credentialing

Inclusion of community paramedicine box

Updates for EMS Agenda 2050

NEW Star of Life box

CHAPTER 2 Workforce Safety and Wellness

Key Update: Discussion of the importance of peer support in maintaining emotional well-being for self and coworkers

Key Update: Discussion of compassion fatigue

Discussion of powered air-purifying respirator (PAPR)

Key Update: Increased discussion of donning and doffing PPE, with special attention to COVID-19 requirements

Increased attention on provider safety when working in the context of a pandemic and aerosol-generating procedures (AGPs)

Discussion of prevention, including COVID-19 vaccination, and postexposure prophylaxis

Discussion of preventing and responding to violence toward EMS providers

Increased discussion of substance use disorders among EMS providers, including recognizing signs of and addressing alcohol and drug abuse

CHAPTER 3 Medical, Legal, and Ethical Issues

Increased discussion of HIPAA regulations

Increased discussion of ethics surrounding social media use

CHAPTER 4 Communications and Documentation

NEW section on emotional intelligence

NEW Street Smarts box on caring for non-English-speaking patients

Updated Transfer of Patient Care section

NEW Street Smarts box on effective teamwork

Revised discussion to clarify meaning of medical necessity

NEW section on Health Information Exchanges

CHAPTER 5 Medical Terminology

No significant changes

CHAPTER 6 Lifting and Moving Patients

Updated obesity statistics

NEW Words of Wisdom box about backboards

SECTION 2 The Human Body and Human Systems

CHAPTER 7 The Human Body

NEW box on providing positive-pressure ventilations via bag-mask device

CHAPTER 8 Pathophysiology

Updated diabetes statistics

NEW Words of Wisdom box on the effects of food deserts on obesity and health

CHAPTER 9 Life Span Development

NEW note on managing the infant's airway

NEW note on autonomy versus shame and doubt

NEW Street Smarts box on responding to both the child and the parent in pediatric emergencies

Revised Special Populations box on interviewing adolescents

NEW Street Smarts box on communicating with older adults

SECTION 3 Patient Assessment

CHAPTER 10 Patient Assessment

NEW Words of Wisdom box for mission-critical communications

Reorganized assessment section on level of consciousness

SECTION 4 Airway

CHAPTER 11 Airway Management

Key Update: NEW section, Assisting With ALS Airway Procedures

Relocated Foreign Body Airway Obstructions section

Increased discussion of high-altitude sickness

Provider safety notes for assisting ventilation in patients with COVID-19

SECTION 5 Pharmacology

CHAPTER 12 Principles of Pharmacology

NEW box on provider safety when handling transdermal patches

NEW illustrations of pharmacodynamics

CHAPTER 13 Vascular Access and Medication Administration

NEW box with IV administration tips

SECTION 6 Shock and Resuscitation

CHAPTER 14 Shock

Removed respiratory insufficiency discussion

CHAPTER 15 BLS Resuscitation

NEW box on post-cardiac arrest management

NEW box on pediatric cardiac event and urgent defibrillation

SECTION 7 Medical

CHAPTER 16 Medical Overview

Key Update: New section on COVID-19 as a global health issue

CHAPTER 17 Respiratory Emergencies

Key Update: **NEW** box on COVID-19, outlining the signs and symptoms, and safety precautions, relating to this highly transmissible respiratory illness

NEW Assessment Pearls box that lists key patient assessment considerations in respiratory emergencies

CHAPTER 18 Cardiovascular Emergencies

NEW box on caring for a patient experiencing the stress response

NEW Assessment Pearls box that lists key patient assessment considerations in cardiovascular emergencies

Enhanced discussion of the AEMT's role in implementing and interpreting electrocardiography, including 12-lead ECG

Key Update: **NEW** discussion of left ventricular assist devices (LVADs)

CHAPTER 19 Neurologic Emergencies

Key Update: Four new boxes on recognizing and managing stroke

Key Update: Updated discussion of seizure classification

NEW Assessment Pearls box that lists key patient assessment considerations in neurologic emergencies

CHAPTER 20 Gastrointestinal and Urologic Emergencies

NEW box on managing cholecystitis

NEW Assessment Pearls box that lists key patient assessment considerations in gastrointestinal and urologic emergencies

CHAPTER 21 Endocrine and Hematologic Emergencies

NEW box on administering glucagon

NEW Assessment Pearls box that lists key patient assessment considerations in endocrine and hematologic emergencies

CHAPTER 22 Immunologic Emergencies

NEW Assessment Pearls box that lists key patient assessment considerations in immunologic emergencies

CHAPTER 23 Toxicology

NEW Assessment Pearls box that lists key patient assessment considerations in poisoning emergencies

CHAPTER 24 Psychiatric Emergencies

NEW box to help providers recognize that bizarre behavior may be a sign of a mental health disorder

NEW Assessment Pearls box that lists key patient assessment considerations in mental health emergencies

NEW box on the effects of post-traumatic stress disorder in EMS

CHAPTER 25 Gynecologic Emergencies

NEW Assessment Pearls box that lists key patient assessment considerations in gynecologic emergencies

NEW box on recognizing that males may also be the victims of sexual violence

SECTION 8 Trauma

CHAPTER 26 Trauma Overview

Key Update: NEW section on COVID-19 as a global health issue

CHAPTER 27 Bleeding

Key Update: NEW Skill Drill and enhanced discussion about wound packing

Focus on managing exsanguinating hemorrhage first (XABC)

NEW Assessment Pearls box that lists key patient assessment considerations in emergencies involving traumatic bleeding

CHAPTER 28 Soft-Tissue Injuries

NEW Assessment Pearls box that lists key patient assessment considerations in emergencies involving soft-tissue injury

CHAPTER 29 Face and Neck Injuries

NEW Assessment Pearls box on patient assessment considerations in emergencies involving face and/or neck injury

CHAPTER 30 Head and Spine Injuries

NEW Assessment Pearls box on patient assessment considerations in emergencies involving head and/or spine injury

CHAPTER 31 Chest Injuries

NEW Assessment Pearls box on patient assessment considerations in emergencies involving chest injury

CHAPTER 32 Abdominal and Genitourinary Injuries

NEW Assessment Pearls box on patient assessment considerations in emergencies involving abdominal and/or genitourinary injury

Reorganization and enhancement of the Closed/Blunt Abdominal Injuries section

CHAPTER 33 Orthopaedic Injuries

NEW Assessment Pearls box on patient assessment considerations in emergencies involving bone injury

CHAPTER 34 Environmental Emergencies

NEW Assessment Pearls box on patient assessment considerations in traumatic environmental emergencies

SECTION 9 Special Patient Populations

CHAPTER 35 Obstetrics and Neonatal Care

Increased discussion of the role of the placenta

NEW box on managing bleeding from the vagina of a pregnant woman

Key Update: NEW discussions on the effects of substance abuse and physical abuse during pregnancy

Discussion of complications of postterm pregnancy

Discussion of managing postpartum excessive bleeding

NEW box on puncturing the amniotic sac, if indicated

NEW Assessment Pearls box on patient assessment considerations in emergencies involving the pregnant mother or newborn

CHAPTER 36 Pediatric Emergencies

NEW Assessment Pearls box on patient assessment considerations in emergencies involving a child

CHAPTER 37 Geriatric Emergencies

NEW boxes on the dangers of COVID-19 for older adults, including those living in nursing homes

NEW Assessment Pearls box on patient assessment considerations in emergencies involving an older adult

CHAPTER 38 Patients With Special Challenges

Enhanced discussion of caring for patients with autism

NEW Assessment Pearls box on patient assessment considerations in emergencies involving patients with the special health care challenges discussed in the chapter

Key Update: Increased information on home oxygen delivery systems

Increased discussion of Down syndrome

Key Update: New description of standard tracheostomy tubes

Key Update: Increased discussion of left ventricular assist devices (LVADs)

SECTION 10 EMS Operations

CHAPTER 39 Transport Operations

NEW box on safely securing a patient to the stretcher

Enhanced discussion of safely approaching potentially dangerous/violent scenes

NEW box on working safely along a roadway

NEW box on the importance of documentation in the continuum of care

NEW box on post-run debriefing

Increased discussion of safely responding with lights and siren

Increased discussion of safety when driving through intersections

CHAPTER 40 Vehicle Extrication, Special Rescue, and Hazardous Materials

Updated discussion on vehicle safety systems

Updated discussion of safety considerations relating to evolving vehicle technology

NEW box on team dynamics during vehicle extrication

Key Update: NEW box on recognizing and operating safely in areas of methamphetamine production

Increased discussion of PPE required in different situations

CHAPTER 41 Incident Management

Revised discussion of NIMS in accordance with recent FEMA updates

NEW box on the emergence of a fifth triage category—the orange-tag category

NEW box describing JumpSTART Triage

CHAPTER 42 Terrorism Response and Disaster Management

Key Update: NEW section, Individual Terrorists and Active Shooter Events

Inclusion of COVID-19 in the discussion of viruses as potential biologic agents of terrorism

Navigate Package Comparisons



We've made important changes to the packages for the *Fourth Edition* based on your feedback. New Soft-Skill Simulations and Virtual Mentor Lecture videos have been added to our Advantage and Premier packages. More information on these resources, as well as other items listed in the below chart, can be found on **page 7**.

 Premier	 Advantage	 Essentials
<p>A comprehensive education solution that facilitates student engagement and virtual learning.</p>	<p>Foundational resources that prepare students for the National Registry Exam and the field.</p>	<p>Foundational resources that prepare students for the National Registry Exam and the field.</p>
<p>Content</p> <hr/> <p>Textbook Audiobook eBook</p>	<p>Content</p> <hr/> <p>Textbook Audiobook eBook</p>	<p>Content</p> <hr/> <p>Textbook Audiobook</p>
<p>Instruction</p> <hr/> <p>Assessments Analytics Slides</p>	<p>Instruction</p> <hr/> <p>Assessments Analytics Slides</p>	<p>Instruction</p> <hr/> <p>Assessments Analytics Slides</p>
<p>Student Learning Materials</p> <hr/> <p>Practice Activities ++ TestPrep Flashcards Virtual Mentor Lectures Soft-Skill Simulations Interactive Lectures Virtual Ride-Alongs Fisdap Scheduler Fisdap Skills Tracker</p>	<p>Student Learning Materials</p> <hr/> <p>Practice Activities ++ TestPrep Flashcards Virtual Mentor Lectures + Soft-Skill Simulations Fisdap Scheduler Fisdap Skills Tracker</p>	<p>Student Learning Materials</p> <hr/> <p>Practice Activities ++</p>
<p>Print + Digital Access ISBN: 9781284228120</p>	<p>Print + Digital Access ISBN: 9781284228144</p>	<p>Print + Digital Access ISBN: 9781284228137</p>
<p>Digital Access Only ISBN: 9781284244120</p>	<p>Digital Access Only ISBN: 9781284244175</p>	<p>Digital Access Only ISBN: 9781284244137</p>




+ Limited quantities available in lower package levels. **++** Only available when assigned by instructors.

Customize your package by adding select student learning materials:

- Fisdap Scheduler
- Fisdap Exams (Multiple Available)
- Soft-Skill Simulations
- Fisdap Skills Tracker
- Interactive Lectures
- Student Workbook

Contact your sales representative for pricing and ordering information.

The table below outlines how the new packages compare to the Navigate packages offered in the *Third Edition*. Below, you will also find a glossary that more clearly defines some of the items in each package.

	Third Edition		Changes for the Fourth Edition
	Textbook Audiobook eBook Assessments Analytics Slides Flashcards	Practice Activities TestPrep Interactive Lectures Virtual Ride-Alongs Fisdap Scheduler Fisdap Skills Tracker	Includes all the great features found in the Third Edition PLUS: Virtual Mentor Lectures Soft-Skill Simulations
	Textbook Audiobook eBook Assessments Analytics Slides	Flashcards Practice Activities Fisdap Scheduler Fisdap Skills Tracker	Includes all the great features found in the Third Edition PLUS: TestPrep Virtual Mentor Lectures (soft-skill lectures only) Soft-Skill Simulations
	Textbook Audiobook Assessments	Analytics Slides Practice Activities	No changes

Analytics Built into Navigate, these tools can track and analyze student engagement and performance across a variety of assessments and subject areas, from eBook usage to quiz results. Dashboards provide deep insight into learner behaviors, effectiveness of course content, and trends that affect achievement.

Interactive Lectures These lectures function like a recorded slide presentation in which each slide is accompanied by a recorded narration. They're a great instructional tool for a hybrid or flipped classroom approach. They can also serve as:

- Homework assignments to prepare students for further reflection and discussion on the subject matter while in class to help reinforce their understanding of the material.
- Makeup assignments if a student misses a class, requires extra credit, or is challenged by subject material in a complex topic.
- Independent learning for some basic subjects that you may only touch on in class in order to devote more of your classroom time to hands-on instruction of critical topics and skills.

Practice Activities These preselected quizzes help students gauge their own comprehension of chapter content. They are included as part of the Test Bank, and the instructor needs to assign them; however, they should be thought of as another opportunity for students to practice what they've learned.

TestPrep This tool is designed to prepare students to successfully complete certification exams using an exclusive bank of questions written by subject-matter experts. TestPrep is also useful for class exam practice, preparation, and remediation. Built-in analytics provide instructors with test item analysis and granular tracking. However, the tool is not integrated with the course gradebook and is intended for practice/preparation rather than evaluation.

Soft-Skill Simulations This series of interactive scenarios teaches the importance of soft skills and provides techniques that can be used to improve overall critical thinking, communication, and teamwork. Learners can practice and get feedback to help them gain the knowledge and skills necessary to communicate effectively and manage real-life situations, helping to achieve better physical and emotional outcomes for patients and safer conditions for all.

Virtual Mentor Lectures This series of videos supplements classroom learning and is ideal for students who are preparing for the NREMT exam. The video lectures focus on critical and complex EMS topics, with clear explanations provided for the areas where students struggle the most.

Virtual Ride-Alongs A series of real-life ride along scenarios, precepted by an EMS expert, takes students through every phase of an EMS call, from dispatch through patient transport.