

American Red Cross Emergency Medical Response

Emergency Medical Services (EMS) is a critical component of our nation's emergency and trauma care system, providing response and medical transport to millions of sick and injured Americans each year. At its best, EMS is a crucial link to survival in the chain of care, but within the last several years, complex problems facing the emergency care system have emerged. Press coverage has highlighted instances of slow EMS response times, ambulance diversions, trauma center closures, and ground and air medical crashes. This heightened public awareness of problems that have been building over time has underscored the need for a review of the U.S. emergency care system. Emergency Medical Services provides the first comprehensive study on this topic. This new book examines the operational structure of EMS by presenting an in-depth analysis of the current organization, delivery, and financing of these types of services and systems. By addressing its strengths, limitations, and future challenges this book draws upon a range of concerns: • The evolving role of EMS as an integral component of the overall health care system. • EMS system planning, preparedness, and coordination at the federal, state, and local levels. • EMS funding and infrastructure investments. • EMS workforce trends and professional education. • EMS research priorities and funding. Emergency Medical Services is one of three books in the Future of Emergency Care series. This book will be of particular interest to emergency care providers, professional organizations, and policy makers looking to address the deficiencies in emergency care systems.

The COVID-19 pandemic has shown how vulnerable the world was to a truly global catastrophe. But another, bigger, catastrophe has been building for many decades, and humanity is still lagging far behind in efforts to help communities and countries to adapt to the realities of it. The impacts of global warming are already killing people and devastating lives and livelihoods every year, and they will only get worse without immediate and determined action. The frequency and intensity of climatological events are increasing substantially, with more category 4 and 5 storms, more heatwaves breaking temperature records and more heavy rains, among many other extremes. Loss of natural resources, food insecurity, direct and indirect health impacts, and displacement are likewise on the rise. Many communities are being affected by concurrent and consecutive disasters, leaving them with little time to recover before the next shock arrives. But it doesn't have to be like this. The 2020 World Disasters Report argues that there has never been a better time to face up to climate disasters, because climate change won't wait for COVID-19 to be brought under control.

Immediate and appropriate first aid treatment in a medical emergency can greatly reduce the pain and suffering experienced by your pet and could save their life. Knowing how to help in those first vital minutes before you can get to the vet is absolutely vital and choosing to read this book could be one of the most important decisions you make. This guide is designed for all dog lovers. It explains how to help your pet or any other dog should an accident happen. It is ideal for those working with dogs and pet owners to gain the skills and confidence to help in an emergency until veterinary support is available. The manual takes you through a step-by-step guide to examining your pet, recognising if there is something wrong and treatment for common veterinary emergencies. The book covers most common first aid emergencies, including helping a choking dog, dog bites, car accidents, injured limbs, CPR, fitting and poisoning... The content conforms to the RECOVER guidelines for veterinary CPR and complies with the Veterinary Care Act. The manual consists of illustrated directions, flow charts, diagrams and accompanies the comprehensive online First Aid for Dogs course available from <http://www.firstaidforpets.net> and our practical Dog First Aid courses. This book material has been written by Emma Hammett, Qualified Nurse, First Aid Trainer and founder of First Aid for Pets in conjunction with other medical, first aid, animal and veterinary professionals.

Packed with step-by-step instructions, how-to explanations, and practical approaches to outdoor and wilderness emergencies, this newly updated guide explains the best ways to respond to just about any medical problem when help is miles or days away. Logically organized, "Medicine for the Outdoors" may literally save a life.

The first moments after an injury occurs are the most critical. This authoritative guidebook, based on course materials used by Red Cross chapters across the United States, shows you how to handle every type of first aid emergency.

As the number of community pools and waterparks grows nationwide, participation in aquatic activities is also growing. Lifeguards must receive proper and effective training, and maintain their skills to ensure their ability to work effectively with others as a part of a lifeguard team. This manual will supplement your in-service training to keep your knowledge and skills sharp.

Intensely practical and down to earth, this timely new text covers the breadth of health emergency preparedness, resilience and response topics in the context of inter-disciplinary and whole society responses to a range of threats. It includes public, private and third sector roles in preparation for and in response to natural and man-made events, such as: major incident planning; infectious disease epidemics and pandemics; natural disasters; terrorist threats; and business and service continuity management. The book builds upon the basics of risk assessment and writing an emergency plan, and then covers inter-agency working, command and control, communication, personal impact and business continuity as well as training, exercises and post-incident follow up. Detailing the full emergency preparedness and civil protection planning cycle, the book is illustrated throughout with real-life examples and case studies from global experts in the field for countries with both advanced and developing healthcare systems. This practical handbook covering the essential aspects of major incident and disaster management is ideal for undergraduate and master's students in emergency management and public health, as well as for practitioners in emergency preparedness and civil protection. It will be valuable to all health practitioners from ambulance, hospital, primary and community care, mental health and public health backgrounds.

Deliver quality healthcare in the most challenging field conditions Full of practical clinical pearls and proven strategies, this indispensable guide shows you how to operate outside your comfort zone and devise effective treatment solutions when the traditional tools (medications, equipment, and staff) are unavailable—or when you need to provide care outside of your specialty.

Improvised Medicine is a must for anyone who plans to work in global, disaster, or other resource-poor settings. FEATURES: Simple-to-follow directions, diagrams, and illustrations describe practical techniques and the improvised equipment necessary to provide quality care during crises. Contains improvisations in anesthesia and airway management, dentistry, gynecology/obstetrics, infectious disease/laboratory diagnosis, internal medicine, otolaryngology, pediatrics and malnutrition, orthopedics, psychiatry, and surgery. Also includes basic disaster communication techniques, post-disaster forensics, a model hospital disaster plan, and innovative patient-transport methods. LEARN HOW TO: Make an endotracheal tube in seconds Perform digital-oral and blind-nasotracheal intubations Make plaster bandages for splints/casts Give open-drop ether, ketamine drips, and halothane Use subcutaneous/intraperitoneal rehydration/transfusion Make ORS and standard nutrition formulas Clean, disinfect, and sterilize equipment for reuse Warm blood units in seconds inexpensively Take/view stereoscopic x-rays with standard equipment Quickly and easily stop postpartum hemorrhage Fashion surgical equipment from common items Evacuate patients easily for high-rise hospitals Make

esophageal and precordial stethoscopes Quickly improvise a saline lock Make ECG electrode/defibrillator pads and ultrasound gel
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The leader in the field, Emergency Medical Responder, Ninth Edition, provides clear first responder-level training for fire service, emergency, law enforcement, military, civil, and industrial personnel. The new ninth edition retains many successful features from previous editions and includes new topics and concepts that have recently become part of most Emergency Medical Responder programs. The foundation of this text is the new National Emergency Medical Services Education Standards for Emergency Medical Responder, and it also includes the 2010 American Heart Association guidelines for Cardiopulmonary Resuscitation and First Aid.

"Designed for use by persons who are responsible for giving emergency care to the sick and injured. It provides the essential information for developing the functional first aid capabilities required by policemen, firemen, emergency squad members, and ambulance attendants."--Preface.

In the devastation that follows a major disaster, there is a need for multiple sectors to unite and devote new resources to support the rebuilding of infrastructure, the provision of health and social services, the restoration of care delivery systems, and other critical recovery needs. In some cases, billions of dollars from public, private and charitable sources are invested to help communities recover. National rhetoric often characterizes these efforts as a "return to normal." But for many American communities, pre-disaster conditions are far from optimal. Large segments of the U.S. population suffer from preventable health problems, experience inequitable access to services, and rely on overburdened health systems. A return to pre-event conditions in such cases may be short-sighted given the high costs - both economic and social - of poor health. Instead, it is important to understand that the disaster recovery process offers a series of unique and valuable opportunities to improve on the status quo. Capitalizing on these opportunities can advance the long-term health, resilience, and sustainability of communities - thereby better preparing them for future challenges. Healthy, Resilient, and Sustainable Communities After Disasters identifies and recommends recovery practices and novel programs most likely to impact overall community public health and contribute to resiliency for future incidents. This book makes the case that disaster recovery should be guided by a healthy community vision, where health considerations are integrated into all aspects of recovery planning before and after a disaster, and funding streams are leveraged in a coordinated manner and applied to health improvement priorities in order to meet human recovery needs and create healthy built and natural environments. The conceptual framework presented in Healthy, Resilient, and Sustainable Communities After Disasters lays the groundwork to achieve this goal and provides operational guidance for multiple sectors involved in community planning and disaster recovery. Healthy, Resilient, and Sustainable Communities After Disasters calls for actions at multiple levels to facilitate recovery strategies that optimize community health. With a shared healthy community vision, strategic planning that prioritizes health, and coordinated implementation, disaster recovery can result in a communities that are healthier, more livable places for current and future generations to grow and thrive - communities that are better prepared for future adversities.

This New American Red Cross CPR/AED for the Professional Rescuer Participant's Manual and course reflect changes based on the 2005 Consensus on Science for CPR and Emergency Cardiovascular Care (ECC) and the Guidelines 2005 for First Aid. Changes to this program and manual include simplifications to many of the CPR skill sequences, which helps improve retention. There have also been changes to help improve the quality of CPR. The integration of CPR skills into the operation of AEDs had changed to help improve survival from sudden cardiac arrest. Professional rescuers are now trained to use AEDs on adults and children. Information has been updated and added to this program to help professional rescuers administer epinephrine, aspirin and fixed-flow-rate oxygen. The skills learned in this course include adult, child and infant rescue breathing, conscious and unconscious choking, CPR, two-rescuer CPR and adult and child AED. Additional training can be added to this course including bloodborne pathogens training and emergency oxygen administration. While the skills and knowledge that professional rescuers use are increasing, this training will help you meet your most important responsibility as a professional rescuer- the responsibility to save lives.

This text is intended as a guide for lifeguards, for lifeguard training instructors, and for managers of aquatic facilities who want to establish a system for selecting, training, and using lifeguards ... This text focuses on the skills and knowledge an individual requires to properly assume lifeguarding responsibilities at a swimming pool, water park, or a protected (nonsurf) open-water beach. This text emphasizes that additional training will need to be provided by aquatic facilities where lifeguards are employed. -Chap. 1.

Children represent a special challenge for emergency care providers, because they have unique medical needs in comparison to adults. For decades, policy makers and providers have recognized the special needs of children, but the system has been slow to develop an adequate response to their needs. This is in part due to inadequacies within the broader emergency care system. Emergency Care for Children examines the challenges associated with the provision of emergency services to children and families and evaluates progress since the publication of the Institute of Medicine report Emergency Medical Services for Children (1993), the first comprehensive look at pediatric emergency care in the United States. This new book offers an analysis of:

- The role of pediatric emergency services as an integrated component of the overall health system.
- System-wide pediatric emergency care planning, preparedness, coordination, and funding.
- Pediatric training in professional education.
- Research in pediatric emergency care.

Emergency Care for Children is one of three books in the Future of Emergency Care series. This book will be of particular interest to emergency health care providers, professional organizations, and policy makers looking to address the pediatric deficiencies within their emergency care systems.

Cardiac arrest can strike a seemingly healthy individual of any age, race, ethnicity, or gender at any time in any location, often without warning. Cardiac arrest is the third leading cause of death in the United States, following cancer and heart disease. Four out of five cardiac arrests occur in the home, and more than 90 percent of individuals with cardiac arrest die before reaching the hospital. First and foremost, cardiac arrest treatment is a community issue - local resources and personnel must provide appropriate, high-quality care to save the life of a community member. Time between onset of arrest and provision of care is fundamental, and shortening this time is one of the best ways to reduce the risk of death and disability from cardiac arrest. Specific actions can be implemented now to decrease this time, and recent advances in science could lead to new discoveries in the causes of, and treatments for, cardiac arrest. However, specific barriers must first be addressed. Strategies to Improve Cardiac Arrest Survival examines the complete system of response to cardiac arrest in the United States and

identifies opportunities within existing and new treatments, strategies, and research that promise to improve the survival and recovery of patients. The recommendations of Strategies to Improve Cardiac Arrest Survival provide high-priority actions to advance the field as a whole. This report will help citizens, government agencies, and private industry to improve health outcomes from sudden cardiac arrest across the United States.

Today our emergency care system faces an epidemic of crowded emergency departments, patients boarding in hallways waiting to be admitted, and daily ambulance diversions. Hospital-Based Emergency Care addresses the difficulty of balancing the roles of hospital-based emergency and trauma care, not simply urgent and lifesaving care, but also safety net care for uninsured patients, public health surveillance, disaster preparation, and adjunct care in the face of increasing patient volume and limited resources. This new book considers the multiple aspects to the emergency care system in the United States by exploring its strengths, limitations, and future challenges. The wide range of issues covered includes:

- The role and impact of the emergency department within the larger hospital and health care system.
- Patient flow and information technology.
- Workforce issues across multiple disciplines.
- Patient safety and the quality and efficiency of emergency care services.
- Basic, clinical, and health services research relevant to emergency care.
- Special challenges of emergency care in rural settings.

Hospital-Based Emergency Care is one of three books in the Future of Emergency Care series. This book will be of particular interest to emergency care providers, professional organizations, and policy makers looking to address the deficiencies in emergency care systems.

Discusses the history and techniques of swimming and diving, safety rescue techniques, and skills for a variety of aquatic activities.

Initial priorities for U.S. participation in the International Decade for Natural Disaster Reduction, declared by the United Nations, are contained in this volume. It focuses on seven issues: hazard and risk assessment; awareness and education; mitigation; preparedness for emergency response; recovery and reconstruction; prediction and warning; learning from disasters; and U.S. participation internationally. The committee presents its philosophy of calls for broad public and private participation to reduce the toll of disasters.

Meant to aid State & local emergency managers in their efforts to develop & maintain a viable all-hazard emergency operations plan. This guide clarifies the preparedness, response, & short-term recovery planning elements that warrant inclusion in emergency operations plans. It offers the best judgment & recommendations on how to deal with the entire planning process -- from forming a planning team to writing the plan. Specific topics of discussion include: preliminary considerations, the planning process, emergency operations plan format, basic plan content, functional annex content, hazard-unique planning, & linking Federal & State operations.

“What a wonderful resource!”--Doody's Medical Reviews “The 4th Edition is unique in recognizing the rapid changes in both the causes of crises and the latest attempts to provide timely multidisciplinary approaches to the practice of this growing specialty...Evident throughout this edition is the call to identify crisis leadership among the increasingly talented base of nurses who have responsibility to move the profession to recognize and accept that they can be advocates for better planning, coordination, education and training.” - Frederick M. Burkle, Jr., MD, MPH, DTM, PhD(Hon.), FAAP, FACEP Senior Fellow & Scientist, Harvard Humanitarian Initiative, Harvard University & T.C. Chan School of Public Health From the Foreword “This impressive edition builds upon the solid foundation of the first three award-winning editions with an expanded focus on climate change related disasters, globalization and its implications for emerging and re-emerging infectious diseases, the accommodation of high-risk, high-vulnerability populations, and the potential for disaster arising from a world witnessing increasing community violence and civil unrest.” -Patricia M. Davidson, PhD, MED, RN, FAAN Professor & Dean, Johns Hopkins School of Nursing From the Foreword “The contributing authors read like a “Who’s Who” of disaster leaders. They lend their special expertise and insights, which are supported and elucidated by cogent learning strategies in the use of case studies, student questions, and packed content in all areas of disaster participation, preparedness, policies, and research. For over 16 years [this book] has been the hallmark text in its field and this edition proves to be the best ever.” -Loretta C. Ford, RN, PNP, EdD Dean Emeritus, University of Rochester School of Nursing Founder of the National Nurse Practitioner Program Member, National Women’s Hall of Fame Featuring the most current, valid, and reliable evidence-based content available, this three-time AJN winner once again presents an unparalleled resource for disaster and emergency preparedness. Disasters lay heavy burdens upon healthcare systems that stretch all levels of society. While natural and man-made disasters are not new, the global nature, rate, type, and totality of their impact has only increased. The fourth edition of this foundational text uniquely addresses the rapid changes in these crises and analyzes the latest attempts to provide timely, multidisciplinary healthcare. Nurses consistently comprise seventy or more percent of responders to local, national, regional, and global crises, and represent a potentially untapped resource to achieve surge capacity goals and optimize population health outcomes. Considering recent world events and increasing geopolitical tensions, Disaster Nursing and Emergency Preparedness, Fourth Edition now features expanded content on the ubiquitous threat of terrorism, potential detonation of thermonuclear weapons, emerging and reemerging infectious diseases, and increasing frequency and intensity of natural disasters from climate change. This text promotes competency-based expert nursing care during disasters and positive health outcomes for small and large populations consistent with the Federal Disaster Response Framework. Whenever possible, content is mapped to published core competencies for preparing health professions’ students for response to terrorism, disaster events, and public health emergencies. The fourth edition retains the clearly organized format in each chapter that includes an overview, learning objectives, a summary, and case study with reflective questions. New to the Fourth Edition: Addresses the most recent landmark agreements Sendai Framework for Disaster Risk Reduction 2015–2030, the United Nations’ Sustainable Development Goals, and the Paris Climate Agreement Covers public health emergencies involving community violence and civil unrest Expands coverage of planning for and accommodating high-risk, high-vulnerability populations Aligns with the U.S. National Health Security Strategy and the National Planning Frameworks Provides focused content on medical countermeasures Includes an improved instructor package with guide, PowerPoint slides, and case studies with questions for reflection in every chapter

Developed by WHO and the International Committee of the Red Cross in collaboration with the International Federation for Emergency Medicine Basic Emergency Care (BEC): Approach to the acutely ill and injured is an open-access training course for frontline healthcare providers who manage acute illness and injury with limited resources. BEC teaches a systematic approach to the initial assessment and management of time-sensitive conditions where early intervention saves lives. It includes modules on: the ABCDE and SAMPLE history approach trauma difficulty in breathing shock and altered mental status. The practical skills section covers the essential time-sensitive interventions for these key acute presentations. The BEC package includes a Participant Workbook and electronic slide decks for each module. BEC integrates the guidance from WHO Emergency Triage Assessment and Treatment (ETAT) for children WHO Pocket Book of Hospital Care for Children WHO Integrated Management of Pregnancy and Childbirth and the Integrated Management of Adult/Adolescent Illness (IMAI).

Rev. ed. of: First aid/CPR/AED for schools and the community. 3rd ed. c2006.

First Responder: Skills in Action program is the most authoritative teaching and learning program available. This new resource gives students the knowledge, skills, and confidence they need to care for

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victims of sudden illness and accidents. Students will see clearly how to function when no specialized equipment is available and how to perform as key assistants to the emergency medical technician or paramedic who arrives on the scene.

Presents a training guide to becoming a safe, responsible, and successful babysitter, focusing on what to do when children suffer different kinds of accidents and illnesses.

Updated To The new National EMS Education Standards and endorsed by the American Academy of Orthopaedic Surgeons, The fifth edition of our core first responder textbook, Emergency Medical Responder, continues to take an assessment-based approach to emergency medical responder training. Designed to meet the needs of law enforcement personnel, fire fighters, rescue squad personnel, athletic trainers, college students, and laypersons, The text and features found in the fifth edition will help students take the next step toward becoming outstanding Emergency Medical Responders.

Responding to EmergenciesComprehensive First Aid/CPR/AEDStaywell (CA)Emergency Medical ResponseAmerican Red Cross Emergency Medical Response Participant's ManualStaywell (CA)Emergency Medical Response Student KitAmerican Red Cross First Aid/CPR/AED Participant's ManualStaywell Company

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