

Bioterrorism Field Guide To Disease Identification And Initial Patient Management

Bioterror and Biowarfare
Usamriid's Medical Management of Biological Casualties
Handbook
Magill's Medical Guide
Handbook of Bioterrorism and Disaster Medicine
The Cobra Event
Magill's Medical Guide: Corticosteroids - Heel spur removal
Microorganisms and Bioterrorism
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Biosecurity and Bioterrorism
Infectious

Bioterror and Biowarfare

Usamriid's Medical Management of Biological Casualties Handbook

Preparedness and rigorous planning on community, state, and regional levels are critical to containing the threat of pandemic illness. Steeped in research and recommendations from lessons learned, Pandemic Planning describes the processes necessary for the efficient and effective preparation, prevention, response, and recovery from a pandemic threat. This evidence-based book guides plan development and provides solutions to common strategic, ethical, and practical challenges to pandemic preparedness. Topics discussed include: The current threat of pandemics and how they relate to homeland security and emergency management Leadership and incident management structure as they relate to pandemic preparedness Computer simulation models and data visualization for strengthening prevention and control measures within a community Marketing principles and how they promote pandemic preparedness for a community Lessons learned from pandemic influenza exercises conducted with regional hospitals and how those lessons can be applied to other institutions Government resources available to assist with the planning for and monitoring of a pandemic event Economic and logistic concerns that arise during a

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Discussing preparedness across a variety of institutional levels, the authors' collaboration with national research leaders and community stakeholders has enabled them to assemble the most current and essential information available on pandemic preparedness. Their book distills this information into workable strategies to bolster public health, mitigate risk, and protect the population.

Magill's Medical Guide

The attacks of September 11 and the release of anthrax spores revealed enormous vulnerabilities in the U.S. public-health infrastructure and suggested similar vulnerabilities in the agricultural infrastructure as well. The traditional public health response-surveillance (intelligence), prevention, detection, response, recovery, and attribution-is the paradigm for the national response not only to all forms of terrorism but also to emerging infectious diseases. Thus, investments in research on bioterrorism will have enormous potential for application in the detection, prevention, and treatment of emerging infectious diseases that also are unpredictable and against which we must be prepared. The deciphering of the human genome sequence and the complete elucidation of numerous pathogen genomes, our rapidly increasing understanding of the molecular mechanisms of pathogenesis and of immune responses, and new strategies for designing drugs and vaccines all offer unprecedented opportunities to use science to counter bioterrorist threats. But these same developments also allow science to be misused

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to create new agents of mass destruction. Hence the effort to confront bioterrorism must be a global one. Countering Bioterrorism makes the following recommendations: Recommendation 1: All agencies with responsibility for homeland security should work together to establish stronger and more meaningful working ties between the intelligence, S&T, and public health communities. Recommendation 2: Federal agencies should work cooperatively and in collaboration with industry to develop and evaluate rapid, sensitive, and specific early-detection technologies. Recommendation 3: Create a global network for detection and surveillance, making use of computerized methods for real-time reporting and analysis to rapidly detect new patterns of disease locally, nationally, and ultimately- internationally. The use of high-throughput methodologies that are being increasingly utilized in modern biological research should be an important component of this expanded and highly automated surveillance strategy. Recommendation 4: Use knowledge of complex biological patterns and high-throughput laboratory automation to classify and diagnose infections in patients in primary care settings. Recommendation 5: USDA should create an agency for control and prevention of plant disease. This agency should have the capabilities necessary to deal effectively with biothreats.

Handbook of Bioterrorism and Disaster Medicine

This book combines seven bioterrorism sections

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covering the deadliest risks. The seven diseases are anthrax, botulism, hemorrhagic fever viruses, plague, radiation, smallpox, and tularemia. Each section is a clear, concise presentation of the problems facing anyone with an interest in bioterrorism, and is written to be understood well by people outside of healthcare.

The Cobra Event

Thrombolytic therapy & TPA, Thrombosis & thrombus, Thumb sucking, Thyroid disorders, Thyroid gland, Thyroidectomy, Tics, Toilet training, Tonsillectomy & adenoid removal, Tonsillitis, Tooth extraction, Toothache, Torticollis, Touch, Tourette's syndrome, Toxemia, Toxic shock syndrome, Toxicology, Toxoplasmosis, Tracheostomy, Trachoma, Transfusion, Transient ischemic attacks (TIAs), Transplantation, Tremors, Trichinosis, Trichomoniasis, Tropical medicine, Tubal ligation, Tuberculosis, Tumor removal, Tumors, Turner syndrome, Typhoid fever & typhus, Ulcer surgery, Ulcers, Ultrasonography, Umbilical cord, Unconsciousness, Upper extremities, Urethritis, Urinalysis, Urinary disorders, Urinary system, Urology, Urology, pediatric, Vagotomy, Varicose vein removal, Varicose veins, Vascular medicine, Vascular system, Vasectomy, Venous insufficiency, Veterinary medicine, Viral infections, Visual disorders, Vitamins & minerals, Voice & vocal cord disorders, Von Willebrand's disease, Warts, Weaning, Weight loss & gain, Weight loss medications, Well baby examinations, West Nile virus, Whiplash, Whooping cough, Wilson's disease, Wisdom

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teeth, Wiskott Aldrich syndrome, World Health Organization, Worms, Wounds, Wrinkles, Xenotransplantation, Yellow fever, Yoga, Zoonoses, Glossary, Diseases & Other Medical Conditions, Types of Health Care Providers, Medical Journals, Web Site Directory, Entries by Anatomy or System Affected, Entries by Specialties & Related Fields.

Magill's Medical Guide: Corticosteroids - Heel spur removal

Supplies basic summary and treatment information quickly for the health care provider on the front lines. Provides concise supplemental reading material to assist in education of biological casualty management. Edge indexed.

Microorganisms and Bioterrorism

Covers diseases, disorders, treatments, procedures, specialties, anatomy, biology, and issues in an A-Z format, with sidebars addressing recent developments in medicine and concise information boxes for all diseases and disorders.

The British National Bibliography

"Biological weapons are widely feared, yet rarely used. Biological weapons were the first weapon prohibited by an international treaty, yet the proliferation of these weapons increased after they were banned in 1972. Biological weapons are frequently called 'the poor man's atomic bomb,' yet

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they cannot provide the same deterrent capability as nuclear weapons. One of my goals in this book is to explain the underlying principles of these apparent paradoxes."—from *Living Weapons*

Biological weapons are the least well understood of the so-called weapons of mass destruction. Unlike nuclear and chemical weapons, biological weapons are composed of, or derived from, living organisms. In *Living Weapons*, Gregory D. Koblentz provides a comprehensive analysis of the unique challenges that biological weapons pose for international security. At a time when the United States enjoys overwhelming conventional military superiority, biological weapons have emerged as an attractive means for less powerful states and terrorist groups to wage asymmetric warfare. Koblentz also warns that advances in the life sciences have the potential to heighten the lethality and variety of biological weapons. The considerable overlap between the equipment, materials and knowledge required to develop biological weapons, conduct civilian biomedical research, and develop biological defenses creates a multiuse dilemma that limits the effectiveness of verification, hinders civilian oversight, and complicates threat assessments. *Living Weapons* draws on the American, Soviet, Russian, South African, and Iraqi biological weapons programs to enhance our understanding of the special challenges posed by these weapons for arms control, deterrence, civilian-military relations, and intelligence. Koblentz also examines the aspirations of terrorist groups to develop these weapons and the obstacles they have faced. Biological weapons, Koblentz argues, will continue to threaten international security until

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defenses against such weapons are improved, governments can reliably detect biological weapon activities, the proliferation of materials and expertise is limited, and international norms against the possession and use of biological weapons are strengthened.

Biological Weapons

Completely updated to include current standards, the Third edition of this reference provides field recognition and management guidelines for hazardous materials exposures and associated medical emergencies.

Bioterrorism

In this essential guide to the past, present and future of bio-warfare, international security expert Malcolm Dando draws a wealth of experience and research to uncover the truth about the alarming failure of international community to place effective curbs on the use of this deadly weapon.

Bioterrorism and Infectious Agents

In the battle against bioterrorism, one of the greatest challenges is finding the ideal balance between complacency and overreaction. The goal is to be so well prepared that we can prevent catastrophic outcomes in the event of a bioterrorist attack, while strengthening our ability to prevent and treat naturally-occurring infectious diseases. Bioterrorism:

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A Guide for Hospital Preparedness provides critical guidelines for health providers on effectively preparing for bioterrorism. The book presents information on all aspects of dealing with bioterrorism including the likeliest biological agents to be used, means of determining that an attack is taking place, diagnosis and management of specific diseases, and mechanisms of reporting to public health authorities. The text reviews cooperative planning for private practitioners, methods for protecting hospital and office staff and other patients in the event of an attack, approaches to handling the psychological effects of terrorism, special considerations concerning the care of children, and strategies for answering questions posed by the public and the media. It also includes data from national and regional exercises in assessing preparedness, with suggestions for implementing lessons learned from these exercises. With bioterrorism on the fine line between risk and reality, it is essential for health care providers to be properly equipped for every situation. This comprehensive guide features solid strategies for establishing and maintaining an attainable level of preparation in the ever-present risk of bioterrorism.

Countering Bioterrorism

After 9/11, forensic epidemiology emerged as a leading investigative tool, partnering public health officers with law enforcement like never before. Based on the authors' first-hand experience, Forensic Epidemiology brings to light the vast amounts of information collected by medical examiners that will

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be useful in advancing death investigation techniques among the forensic science, public health, and law enforcement fields. This practical resource begins with a brief overview of epidemiological science and the history of forensic epidemiology before examining the multiple functions of death certificates and the signature role of forensic epidemiologists in death investigations. Incorporating numerous illustrations and real-world examples, the book:

- Explains proven methods to collect, analyze, and interpret data for criminal investigations
- Defines the terminology, methodology, procedures, and goals of all sectors involved for more effective collaboration
- Examines deaths from natural, suicidal, accidental, homicidal, and undetermined causes
- Describes the various decomposition states and methods used to establish positive identity

The increased frequency of criminal acts that involve deliberate biological and chemical agents underscores the need for collaboration between law enforcement investigators and public health professionals. As Forensic Epidemiology effectively demonstrates, when they work together, they can mount a powerful and successful response to threats to the American public. Dr. Steven A. Koehler was interviewed in Volume 12 of Anil Aggrawal's Internet Journal of Forensic Medicine and Toxicology.

When Every Moment Counts

Provides practical and current recommendations on the prevention, diagnosis, and treatment of infectious disease. Its chapters cover such rapidly evolving

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subjects as bioterrorism, but also covers the mainstays of infectious disease, such as STDs and upper respiratory infections. This book includes, as well as viral, bacterial, fungal infections, slow virus, prions, and others. This book is also excerpted from the acclaimed, continually updated textbook of internal medicine, WebMD Scientific American Medicine.

Preparedness Against Bioterrorism and Re-emerging Infectious Diseases

The purpose of this book is to bring together, in a single volume, the most up-to-date information concerning microbes with potential as bioterrorist weapons. The primary audience includes microbiologists, including bacteriologists, virologists and mycologists, in academia, government laboratories and research institutes at the forefront of studies concerning microbes which have potential as bioterrorist weapons, public health physicians and researchers and scientists who must be trained to deal with bioterrorist attacks as well as laboratory investigators who must identify and characterize these microorganisms from the environment and from possibly infected patients.

Deadliest Enemy

Emerging Infectious Diseases

A directory to authoritative Web sites about

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bioterrorism offers sources of information on chemical and biological agents, medical responses in the event of an attack, public health and safety guidelines, and news of recent developments.

Bioterrorism

Considers bioterrorism in the United States and offers protective strategies, discussing biological agents including anthrax and smallpox as well as chemical weapons and possible dangers to food and water supplies.

Forensic Epidemiology

Biological Threats and Terrorism

Reflecting the critical threat posed by biological warfare and terrorism in a post 9-11 world, *Medical Aspects of Biological Warfare, 2e*, addresses the weaponization of biological agents, categorizing potential agents as food, waterborne, or agricultural agents or toxins, and discusses their respective epidemiology. Recent advances in biomedical knowledge are presented that include descriptions of individual agents and the illnesses induced. Authors discuss biotoxins and explain methods for early identification for anthrax, plague, smallpox, alphaviruses, and staphylococcal enterotoxins. Case studies and research on successful management practices, treatments, and antidotes are also included. Contains updated and revised material since

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previous, 2007 edition. (Previous Print Hardcover ISBN: 9780160797316; eBook: 9780160872389) Related products: More published products by The Borden Institute, U.S. Army Medical Department (AMEDD) are here: <https://bookstore.gpo.gov/agency/army-medical-department-amedd> Arms & Weapons collection is available here:

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Living Weapons

This book provides a comprehensive overview of highly infectious diseases (HIDs) in the ICU. The text is designed to help critical care specialists and other healthcare practitioners prepare and plan for potential outbreaks of emerging or resurgent HIDs, lead a team in the ICU, perform emergency triage, and provide care for patients with a HID. The book also reviews some of the most prevalent highly infectious diseases, including influenza, SARS, plague, anthrax, and malaria. Written by experts in the field, *Highly Infectious Diseases in Critical Care: A Comprehensive Clinical Guide* is a valuable resource for critical care and infectious disease specialists who treat patients afflicted with a highly infectious disease in the ICU.

The Demon in the Freezer

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Handbook on Biological Warfare Preparedness provides detailed information on biological warfare agents and their mode of transmission and spread. In addition, it explains methods of detection and medical countermeasures, including vaccine and post-exposure therapeutics, with specific sections detailing diseases, their transmission, clinical signs and symptoms, diagnosis, treatment, vaccines, prevention and management. This book is useful reading for researchers and advanced students in toxicology, but it will also prove helpful for medical students, civil administration, medical doctors, first responders and security forces. As the highly unpredictable nature of any event involving biological warfare agents has given rise to the need for the rapid development of accurate detection systems, this book is a timely resource on the topic. Introduces different bacterial and viral agents, including Ebola and other emerging threats and toxins Discusses medical countermeasures, including vaccines and post-exposure therapeutics Includes a comprehensive review of current methods of detection

American Journal of Public Health

Hospital Preparation for Bioterror

This is an essential portable handbook on bioterrorism and disaster medicine. Its practical and comprehensive text features chapters pertinent to bioterrorism, infectious disease, microbiology, virology, public health, epidemiology, and disaster

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medicine. It will serve as a practical guide for situation-specific disasters; recognize what injuries or illnesses to expect; provide proactive guidelines to define specific diseases; and give a guide of appropriate personnel protective equipment during these large-scale emergencies. It is an essential companion to those either interested or currently working in any of the aforementioned fields.

Transportation Security

Emerging Infectious Diseases offers an introduction to emerging and reemerging infectious disease, focusing on significant illnesses found in various regions of the world. Many of these diseases strike tropical regions or developing countries with particular virulence, others are found in temperate or developed areas, and still other microbes and infections are more indiscriminate. This volume includes information on the underlying mechanisms of microbial emergence, the technology used to detect them, and the strategies available to contain them. The author describes the diseases and their causative agents that are major factors in the health of populations the world over. The book contains up-to-date selections from infectious disease journals as well as information from the Centers for Disease Control and Prevention, the World Health Organization, MedLine Plus, and the American Society for Microbiology. Perfect for students or those new to the field, the book contains Summary Overviews (thumbnail sketches of the basic information about the microbe and the associated disease under examination), Review Questions

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(testing students' knowledge of the material), and Topics for Further Discussion (encouraging a wider conversation on the implications of the disease and challenging students to think creatively to develop new solutions). This important volume provides broad coverage of a variety of emerging infectious diseases, of which most are directly important to health practitioners in the United States.

Choice

Now in paperback--the timely and terrifying investigation into the dark underworld of biological weapons from the #1 "New York Times" bestselling author of "The Hot Zone."

Handbook of Chemical and Biological Warfare Agents

In these papers drawn from the January 2003 workshop, contributors describe methods of building integrated systems to combat epidemics and bioterrorism. Their general topics include developing epidemiology with laboratory support as a biological attack identification tool, using national approaches to biodefense, and conducting risk assessment, cr.

Bioterrorism and Public Health

Covers diseases, disorders, treatments, procedures, specialties, anatomy, biology, and issues in an A-Z format, with sidebars addressing recent developments in medicine and concise information

boxes for all diseases and disorders.

Medical Aspects of Biological Warfare, 2e

A timely account of how resources for biological weapons programs were mobilized and why such weapons have never been deployed in major conflicts offers an understanding of the relevance of the historical restraints placed on the use of biological weapons and looks at what can be done to prevent their proliferation in the post-September 11th world.

Infection Control Manual for Hospitals

In the wake of September 11th and recent anthrax events, our nation's bioterrorism response capability has become an imminent priority for policymakers, researchers, public health officials, academia, and the private sector. In a three-day workshop, convened by the Institute of Medicine's Forum on Emerging Infections, experts from each of these communities came together to identify, clarify, and prioritize the next steps that need to be taken in order to prepare and strengthen bioterrorism response capabilities. From the discussions, it became clear that of utmost urgency is the need to cast the issue of a response in an appropriate framework in order to attract the attention of Congress and the public in order to garner sufficient and sustainable support for such initiatives. No matter how the issue is cast, numerous workshop participants agreed that there are many gaps in the public health infrastructure and countermeasure capabilities that

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must be prioritized and addressed in order to assure a rapid and effective response to another bioterrorist attack.

Pandemic Planning

The outbreak of anthrax infections that followed September 11, 2001, showed all too clearly that while we can defend ourselves against bioterrorism, our defenses need improvement. What's most important is the ability to recognize the associated disease, and recognize them quickly. Yet, many in the medical world are unfamiliar with the characteristi

Handbook on Biological Warfare Preparedness

Magill's Medical Guide: Law and medicine-Rheumatology

Extensively revised and updated, this second edition of the bestselling Handbook of Chemical and Biological Warfare Agents goes well beyond the dirty thirty commonly discussed agents and provides rapid access to a wide range of agents that can be used as weapons. This edition incorporates additional classes of agents, expands existing clas

Bioterrorism Guidebook to the Seven Deadliest Diseases

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Biosecurity and Bioterrorism is the first book to take a holistic approach to biosecurity with coverage of pathogens, prevention and response methodology. The book is organized into four thematic sections: Part I provides a conceptual understanding of biowarfare, bioterrorism and the laws we have to counteract this; Part II investigates known bioagents and the threat from emerging diseases; Part III focuses on agricultural terrorism and food security; Part IV outlines international, US, and local initiatives for biodefense and biosecurity. Case studies illustrate biodefense against both intentional terrorism and natural outbreaks. The authors bring an extraordinary combination of experience in academia and the clinical world, as well as real-world experience in technical and practical matters, to their writing. They make technical material clear and fascinating for readers with a basic knowledge of biology. Ryan and Glarum address the hazards in the context of vulnerability assessments and the planning strategies government and industry can take to prepare for and respond to such events. * How are these agents used in biowarfare? * How likely are we to face either a natural outbreak or intentional human/animal infection? * How can we prepare for this effectively?

California Hospital Bioterrorism Response Planning Guide

A leading epidemiologist shares his "powerful and necessary" (Richard Preston, author of The Hot Zone) stories from the front lines of our war on infectious diseases and explains how to prepare for global

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epidemics -- featuring a new preface on COVID-19. Unlike natural disasters, whose destruction is concentrated in a limited area over a period of days, and illnesses, which have devastating effects but are limited to individuals and their families, infectious disease has the terrifying power to disrupt everyday life on a global scale, overwhelming public and private resources and bringing trade and transportation to a grinding halt. In today's world, it's easier than ever to move people, animals, and materials around the planet, but the same advances that make modern infrastructure so efficient have made epidemics and even pandemics nearly inevitable. And as outbreaks of COVID-19, Ebola, MERS, and Zika have demonstrated, we are woefully underprepared to deal with the fallout. So what can -- and must -- we do in order to protect ourselves from mankind's deadliest enemy? Drawing on the latest medical science, case studies, policy research, and hard-earned epidemiological lessons, *Deadliest Enemy* explores the resources and programs we need to develop if we are to keep ourselves safe from infectious disease. The authors show how we could wake up to a reality in which many antibiotics no longer cure, bioterror is a certainty, and the threat of a disastrous influenza or coronavirus pandemic looms ever larger. Only by understanding the challenges we face can we prevent the unthinkable from becoming the inevitable. *Deadliest Enemy* is high scientific drama, a chronicle of medical mystery and discovery, a reality check, and a practical plan of action.

Emergency Care for Hazardous Materials

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Exposure

In the face of tougher federal regulations, ever-changing JCAHO standards, bioterrorist threats, evolving pandemics, large-scale disasters, emerging infectious diseases, and multidrug-resistant organisms, your hospital's IC efforts are more critical than ever before. Meet these complex new challenges head on with the newly revised and updated edition of Infection Control Manual for Hospitals.

Archives of Pathology & Laboratory Medicine

The Cobra Event is set in motion one spring morning in New York City, when a seventeen-year-old student wakes up feeling vaguely ill. Hours later she is having violent seizures, blood is pouring out of her nose, and she has begun a hideous process of self-cannibalization. Soon, other gruesome deaths of a similar nature have been discovered, and the Centers for Disease Control sends a forensic pathologist to investigate. What she finds precipitates a federal crisis. The details of this story are fictional, but they are based on a scrupulously thorough inquiry into the history of biological weapons and their use by civilian and military terrorists. Richard Preston's sources include members of the FBI and the United States military, public health officials, intelligence officers in foreign governments, and scientists who have been involved in the testing of strategic bioweapons. The accounts of what they have seen and what they expect to happen are chilling. The Cobra Event is a

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dramatic, heart-stopping account of a very real threat, told with the skill and authority that made Preston's *The Hot Zone* an internationally acclaimed bestseller.

Disease Emergence and Resurgence

Compiled by two leading experts in the field, this volume provides a concise, timely, and authoritative review of some of the most problematic infections of the new century. It presents issues and new ideas for preventing and controlling infectious diseases.

Biosecurity and Bioterrorism

Hospital Preparation for Bioterror provides an extremely timely guide to improving the readiness of hospitals or healthcare organizations to manage mass casualties as a result of bioterrorism, biological warfare, and natural disasters. Contributions from leading law enforcement agencies, hospital administrators, clinical engineers, surgeons and terror-prevention professionals provide the most comprehensive, well-rounded source for this valuable information. Chapters on logistics and protecting the infrastructure help personnel distinguish the specific risks and vulnerabilities of each unique institution and assists in identifying specific solutions for disaster and bioterrorism preparedness. Principles and techniques discussed are applicable to all disasters, both large and small, not just bioterrorism. Technical aspects such as hospital power and telecommunications are covered, in addition to patient care, response to mass

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casualties, large-scale drills, and surge capacity. Organized along functional lines, patient flow, medical specialty, and infrastructure. A complimentary website with supplementary materials, check-lists, and references enhances the text and provides additional resources for preparedness.

Infectious Diseases

Highly Infectious Diseases in Critical Care

The report is designed to assist transportation agencies in developing drills and exercises in alignment with the National Incident Management System. The report describes the process of emergency exercise development, implementation, and evaluation. In addition, the available literature and materials to support transportation agencies such as state departments of transportation, traffic management centers, and public transportation systems are described.

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