

Ebola Behind The Mask

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Global Health Security - Anthony J. Masys 2020-01-01

With our highly connected and interdependent world, the growing threat of infectious diseases and public health crisis has shed light on the requirement for global efforts to manage and combat highly pathogenic infectious diseases and other public health crisis on an unprecedented level. Such disease threats transcend borders. Reducing global threats posed by infectious disease outbreaks – whether naturally caused or resulting from a deliberate or accidental release – requires efforts that cross the disaster management pillars: mitigation, preparedness, response and recovery. This book addresses the issues of global health security along 4 themes: Emerging Threats; Mitigation, Preparedness, Response and Recovery; Exploring the Technology Landscape for Solutions; Leadership and Partnership. The authors of this volume highlight many of the challenges that confront our global security environment today. These range from politically induced disasters, to food insecurity, to zoonosis and terrorism. More optimistically, the authors also present some advances in technology that can help us combat these threats. Understanding the challenges that confront us and the tools we have to overcome them will allow us to face our future with confidence.

The Politics of Fear - Michiel Hofman 2017-01-05

The 2014-2015 Ebola epidemic in West Africa was an unprecedented medical and political emergency that cast an unflattering light on multiple corners of government and international response. Fear, not rational planning, appeared to drive many decisions made at population and leadership levels, which in turn brought about a response that was as uneven as it was unprecedented: entire populations were decimated or destroyed, vaccine trials were fast-tracked, health staff died, untested medications were used (or not used) in controversial ways, humanitarian workers returned home to enforced isolation, and military was employed to sometimes disturbing ends. The epidemic revealed serious fault lines at all levels of theory and practice of global public health: national governments were shown to be helpless and unprepared for calamity at this scale; the World Health Organization was roundly condemned for its ineffectiveness; the US quietly created its own African CDC a year after the epidemic began. Amid such chaos, Médecins sans Frontières was forced to act with unprecedented autonomy -- and amid great criticism -- in responding to the disease, taking unprecedented steps in deploying services and advocating for international aid. The Politics of Fear provides a primary documentary resource for recounting and learning from the Ebola epidemic. Comprising eleven topic-based chapters and four eyewitness vignettes from both MSF- and non-MSF-affiliated contributors (all of whom have been given access to MSF Ebola archives from Guinea, Sierra Leone, and Liberia for research), it aims to provide a politically agnostic account of the defining health event of the 21st century so far, one that will hopefully inform current opinions and future responses.

The Economic Impact of the 2014 Ebola Epidemic - The World Bank 2014-11-26

Beyond the terrible toll in human lives and suffering, the Ebola epidemic currently afflicting West Africa is already having a measurable economic impact. This report provides a systematic analysis of the channels of economic impact and the likely magnitude of that impact for Guinea, Liberia, and Sierra Leone, as well as West Africa as a whole.

Marburg- and Ebolaviruses - Elke Mühlberger 2017-12-23

This volume provides an overview of recent advances in our understanding of the biology of marburg- and ebolaviruses. It focuses on four essential areas: 1) ecology, outbreaks and clinical management, 2) disease, pathogenesis and protection, 3) virus replication inside the cell, and 4) molecular tools for virus study and taxonomy. For 50 years, these viruses have spilled over sporadically and without warning from their wildlife reservoirs, often causing major outbreaks and high fatalities. The consequences can be devastating, with a clear potential for global reach, as demonstrated by the 2013 West African outbreak of Ebola virus,

which led to over 28,000 reported cases across three continents and more than 11,000 deaths. Given the international threat posed by these viruses, the pace and scope of basic research have also greatly intensified, ranging from studies of virus emergence, epidemiology, antiviral countermeasures and human disease to detailed mechanistic studies of virus entry, replication, virion assembly and protein structure. Written by internationally respected experts, this book will appeal to a wide audience and be a valuable resource for basic researchers, clinicians and advanced students alike.

Ebola - Behind the Mask - Andy Dennis 2016-05-07

October 2014 and a devastating epidemic of the viral disease Ebola is raging in Sierra Leone, Liberia and Guinea. The non-governmental aid organisation Doctors without Borders / Médecins Sans Frontières (MSF) is one of the major actors in the fight against the disease. MSF needs more and more nurses and doctors to work in their expanding Ebola Management Centres. The authors responded to MSF's call for volunteers, and left behind their regular jobs for two months to work in an Ebola Management Centre in the remote province of Kailahun in Sierra Leone. Andy Dennis is an English nurse, working in the NHS at Harrogate District Hospital. He had been on three previous missions with MSF in Africa. But this was by far the most extreme situation I have ever faced. Anna Simon, a Dutch doctor from the Radboud University Medical Center in Nijmegen, the Netherlands, on the other hand had never even visited Africa before. In this book, they describe their experiences in the Ebola crisis up close and personal. From the decision to commit to a mission, the training with MSF in Amsterdam, the journey to Kailahun, and most importantly, the work in the Ebola Management Centre. Working alongside dozens of men and women from Sierra Leone, they cared for more than 150 patients with Ebola. These patients were more than a mere statistic; all have their own story. This is life and death, a true inside story of the outbreak.

The Hot Zone - Richard Preston 2012-03-14

The bestselling landmark account of the first emergence of the Ebola virus. Now a mini-series drama starring Julianna Margulies, Topher Grace, Liam Cunningham, James D'Arcy, and Noah Emmerich on National Geographic. A highly infectious, deadly virus from the central African rain forest suddenly appears in the suburbs of Washington, D.C. There is no cure. In a few days 90 percent of its victims are dead. A secret military SWAT team of soldiers and scientists is mobilized to stop the outbreak of this exotic "hot" virus. The Hot Zone tells this dramatic story, giving a hair-raising account of the appearance of rare and lethal viruses and their "crashes" into the human race. Shocking, frightening, and impossible to ignore, The Hot Zone proves that truth really is scarier than fiction.

Advances in Ebola Control - Samuel Ikwaras Okware 2018-04-26

Ebola epidemics have had immediate and lasting impact in Africa and beyond, with its high case fatality and societal disruption. Its rapid spread, coupled with the limited knowledge, serves as a recipe for disaster and panic in the community. Health workers are particularly at risk, paying heavily with their lives. Sharing knowledge from various experts in basic sciences that support vaccine and drug development, as well as improving community surveillance and case management, enriches our understanding of this highly fatal and contagious disease. In a world that is fast becoming a global village, communicable diseases from low-resource setting are gradually becoming a global health threat. This book seeks to discuss emerging advances in the Ebola control.

Ebola risk assessment in the pig value chain in Uganda -

Atherstone, C. 2014-07-01

How to Prevent the Next Pandemic - Bill Gates 2022-05-03

From the author of the #1 New York Times best seller *How to Avoid a Climate Disaster: The COVID-19 pandemic isn't over, but even as governments around the world strive to put it behind us, they're also starting to talk about what happens next. How can we prevent a new*

pandemic from killing millions of people and devastating the global economy? Can we even hope to accomplish this? Bill Gates believes the answer is yes, and in this book he lays out clearly and convincingly what the world should have learned from COVID-19 and what all of us can do to ward off another disaster like it. Relying on the shared knowledge of the world's foremost experts and on his own experience of combating fatal diseases through the Gates Foundation, he first helps us understand the science of infectious diseases. Then he shows us how the nations of the world, working in conjunction with one another and with the private sector, can not only ward off another COVID-like catastrophe but also eliminate all respiratory diseases, including the flu. Here is a clarion call—strong, comprehensive, and of the gravest importance—from one of our greatest and most effective thinkers and activists.

Reusable Elastomeric Respirators in Health Care - National Academies of Sciences, Engineering, and Medicine 2019-03-15

Protecting the health and safety of health care workers is vital to the health of each of us. Preparing for and responding to a future influenza pandemic or to a sustained outbreak of an airborne transmissible disease requires a high-level commitment to respiratory protection for health care workers across the wide range of settings in which they work and the jobs that they perform. Keeping health care workers healthy is an ethical commitment both in terms of addressing the occupational risks faced by health care workers and of providing for the continuity of patient care and services needed to maintain the health of individuals and communities. During a public health emergency, challenges will arise concerning the availability of respiratory protective devices (i.e., respirators). Reusable respirators (specifically, reusable half-facepiece elastomeric respirators) are the standard respiratory protection device used in many industries, and they provide an option for use in health care that has to date not been fully explored. The durability and reusability of elastomeric respirators make them desirable for stockpiling for emergencies, where the need for large volumes of respirators can be anticipated. However, they are used infrequently in health care.

Reusable Elastomeric Respirators in Health Care explores the potential for the use of elastomeric respirators in the U.S. health care system with a focus on the economic, policy, and implementation challenges and opportunities. This report examines the practicability of elastomeric use in health care on a routine basis and during an influenza pandemic or other large aerosol-transmissible outbreak, when demand for respiratory protective devices by U.S. health care personnel may be larger than domestic supplies. The report also addresses the issues regarding emergency stockpile management of elastomeric respiratory protective devices.

Emerging Viral Diseases - Institute of Medicine 2015-03-19

In the past half century, deadly disease outbreaks caused by novel viruses of animal origin - Nipah virus in Malaysia, Hendra virus in Australia, Hantavirus in the United States, Ebola virus in Africa, along with HIV (human immunodeficiency virus), several influenza subtypes, and the SARS (sudden acute respiratory syndrome) and MERS (Middle East respiratory syndrome) coronaviruses - have underscored the urgency of understanding factors influencing viral disease emergence and spread. Emerging Viral Diseases is the summary of a public workshop hosted in March 2014 to examine factors driving the appearance, establishment, and spread of emerging, re-emerging and novel viral diseases; the global health and economic impacts of recently emerging and novel viral diseases in humans; and the scientific and policy approaches to improving domestic and international capacity to detect and respond to global outbreaks of infectious disease. This report is a record of the presentations and discussion of the event.

The Premonition: A Pandemic Story - Michael Lewis 2021-05-04

New York Times Bestseller For those who could read between the lines, the censored news out of China was terrifying. But the president insisted there was nothing to worry about. Fortunately, we are still a nation of skeptics. Fortunately, there are those among us who study pandemics and are willing to look unflinchingly at worst-case scenarios. Michael Lewis's taut and brilliant nonfiction thriller pits a band of medical visionaries against the wall of ignorance that was the official response of the Trump administration to the outbreak of COVID-19. The characters you will meet in these pages are as fascinating as they are unexpected. A thirteen-year-old girl's science project on transmission of an airborne pathogen develops into a very grown-up model of disease control. A local public-health officer uses her worm's-eye view to see what the CDC misses, and reveals great truths about American society. A secret team of dissenting doctors, nicknamed the Wolverines, has everything necessary to fight the pandemic: brilliant backgrounds, world-class labs, prior

experience with the pandemic scares of bird flu and swine flu...everything, that is, except official permission to implement their work. Michael Lewis is not shy about calling these people heroes for their refusal to follow directives that they know to be based on misinformation and bad science. Even the internet, as crucial as it is to their exchange of ideas, poses a risk to them. They never know for sure who else might be listening in.

Behind the Mask of Facebook - Ryan Hartwig 2021-08-17

The author was hired by Cognizant as a content moderator for Facebook. As time went by he discovered that Facebook was systematically suppressing free speech. Fighting back, he chronicles his actions as a first step to learning how to confront and defeat tyranny.

Oxford Textbook of Zoonoses - S.R. Palmer 2013-09-05

Divided into three sections along the lines of bacteriology, parasitology and virology, this book comprehensively provides a systematic, cross disciplinary approach to the science and control of all zoonoses, written by international specialists in human and veterinary medicine.

Fevers, Feuds, and Diamonds - Paul Farmer 2020-11-17

"Paul Farmer brings his considerable intellect, empathy, and expertise to bear in this powerful and deeply researched account of the Ebola outbreak that struck West Africa in 2014. It is hard to imagine a more timely or important book." —Bill and Melinda Gates "[The] history is as powerfully conveyed as it is tragic . . . Illuminating . . . Invaluable."

—Steven Johnson, *The New York Times Book Review* In 2014, Sierra Leone, Liberia, and Guinea suffered the worst epidemic of Ebola in history. The brutal virus spread rapidly through a clinical desert where basic health-care facilities were few and far between. Causing severe loss of life and economic disruption, the Ebola crisis was a major tragedy of modern medicine. But why did it happen, and what can we learn from it? Paul Farmer, the internationally renowned doctor and anthropologist, experienced the Ebola outbreak firsthand—Partners in Health, the organization he founded, was among the international responders. In *Fevers, Feuds, and Diamonds*, he offers the first substantive account of this frightening, fast-moving episode and its implications. In vibrant prose, Farmer tells the harrowing stories of Ebola victims while showing why the medical response was slow and insufficient. Rebutting misleading claims about the origins of Ebola and why it spread so rapidly, he traces West Africa's chronic health failures back to centuries of exploitation and injustice. Under formal colonial rule, disease containment was a priority but care was not - and the region's health care woes worsened, with devastating consequences that Farmer traces up to the present. This thorough and hopeful narrative is a definitive work of reportage, history, and advocacy, and a crucial intervention in public-health discussions around the world.

The Masque of the Red Death - Edgar Allan Poe 2020-08-01

"The Masque of the Red Death", originally published as "The Mask of the Red Death: A Fantasy", is an 1842 short story by American writer Edgar Allan Poe. The story follows Prince Prospero's attempts to avoid a dangerous plague, known as the Red Death, by hiding in his abbey. He, along with many other wealthy nobles, hosts a masquerade ball within seven rooms of the abbey, each decorated with a different color. In the midst of their revelry, a mysterious figure disguised as a Red Death victim enters and makes his way through each of the rooms. Prospero dies after confronting this stranger, whose "costume" proves to contain nothing tangible inside it; the guests also die in turn. Poe's story follows many traditions of Gothic fiction and is often analyzed as an allegory about the inevitability of death, though some critics advise against an allegorical reading. Many different interpretations have been presented, as well as attempts to identify the true nature of the titular disease. The story was first published in May 1842 in *Graham's Magazine* and has since been adapted in many different forms, including a 1964 film starring Vincent Price.

Clinical Management of Patients with Viral Haemorrhagic Fever - World Health Organization 2016-05-03

First published in March 2014 under the title "Clinical management of patients with viral haemorrhagic fever: a pocket guide for front-line health workers: interim emergency guidance for West Africa".

Medical-Surgical Nursing E-Book - Holly Stromberg 2021-12-13

Build skills in clinical judgment and prepare for the Next-Generation NCLEX-PN® examination! *Medical-Surgical Nursing: Concepts and Practice, 5th Edition* provides a solid foundation in nursing concepts and skills essential to the LPN/LVN role. Complete coverage of common adult medical-surgical conditions includes all body systems and their disorders, addressing patient care in a variety of settings. Special attention is given to care of older adults, those with chronic illnesses,

and residents in long-term care settings. Written by nursing educator Holly Stromberg, this text emphasizes evidence-based practice and reflects the expanding scope of practice for LPN/LVNs. What's more, it makes exam prep easier with new Next-Generation NCLEX® case studies and an emphasis on developing critical thinking and clinical judgment.

Pandemic Dreams - Deirdre Barrett 2020-06-12

"This fascinating little volume explores the stuff that dreams are made of and the role the pandemic is playing in them. The dreams from Barrett's survey are riveting vignettes--from terrifying to touching to hilarious. Her decades of scientific research and clinical practice inform incisive commentary on what these dreams reveal about society's response. She offers simple exercises for managing anxieties over COVID-19 and for inspiring adaption in this unique period of history. A great read!" -Amy Tan, author of *The Joy Luck Club* DREAM: I looked down at my stomach and saw dark blue stripes. I "remembered" these were the first sign of being infected with COVID-19. DREAM: My home was a Covid-19 test center. People weren't wearing masks. I'm taken aback because I wasn't asked to be a test site. I'm worried that my husband and son (who actually lives out of state) will catch it because of my job as a healthcare worker. DREAM: I was a giant antibody. I was so angry about COVID-19 that it gave me superpowers, and I rampaged around attacking all the virus I could find. I woke so energized! Since the COVID-19 pandemic swept around the world, people have reported unusually a vivid and bizarre dream lives. The virus itself is the star of many--literally or in one of its metaphoric guises. As a dream researcher at Harvard Medical School, Deirdre Barrett was immediately curious to see what our dream lives would tell us about our deepest reactions to this unprecedented disaster. *Pandemic Dreams* draws on her survey of over 9,000 dreams about the COVID-19 crisis. It describes how dreaming has reflected each aspect of the pandemic: fear of catching the virus, reactions to sheltering at home, work changes, homeschooling, and an individual's increased isolation or crowding. Some patterns are quite similar to other crises Dr. Barrett has studied such as 9/11, Kuwaitis during the Iraqi Occupation, POWs in WWII Nazi prison camps, and Middle Easterners during the Arab Spring. There are some very distinctive metaphors for COVID-19, however: bug-attack dreams and ones of invisible monsters. These reflect that this crisis is less visible or concrete than others we have faced. Over the past three months, dreams have progressed from fearful depictions of the mysterious new threat . . . to impatience with restrictions . . . to more fear again as the world begins to reopen. And dreams have just begun to consider the big picture: how society may change. The book offers guidance on how we can best utilize our newly supercharged dream lives to aid us through the crisis and beyond. It explains practical exercises for dream interpretation, reduction of nightmares, and incubation of helpful, problem-solving dreams. It also examines the larger arena of what these collective dreams tell us about our instinctive, unconscious responses to the threat and how we might integrate them for more livable policies through these times. Deirdre Barrett, PhD is a dream researcher at Harvard Medical School. She has written five books including *Pandemic Dreams* and *The Committee of Sleep*, and edited four including *Trauma and Dreams*. She is Past President of The International Association for the Study of Dreams and editor of its journal, *DREAMING*.

The Next Pandemic - Ali Khan 2016-05-24

An inside account of the fight to contain the world's deadliest diseases--and the panic and corruption that make them worse Throughout history, humankind's biggest killers have been infectious diseases: the Black Death, the Spanish Flu, and AIDS alone account for over one hundred million deaths. We ignore this reality most of the time, but when a new threat--Ebola, SARS, Zika--seems imminent, we send our best and bravest doctors to contain it. People like Dr. Ali S. Khan. In his long career as a public health first responder--protected by a thin mask from infected patients, napping under nets to keep out scorpions, making life-and-death decisions on limited, suspect information--Khan has found that rogue microbes will always be a problem, but outbreaks are often caused by people. We make mistakes, politicize emergencies, and, too often, fail to imagine the consequences of our actions. *The Next Pandemic* is a firsthand account of disasters like anthrax, bird flu, and others--and how we could do more to prevent their return. It is both a gripping story of our brushes with fate and an urgent lesson on how we can keep ourselves safe from the inevitable next pandemic.

The Ebola Virus and West Africa - Dr. Felix I. Ikuomola 2015-07-10

The Ebola Virus and West Africa: Medical and Sociocultural Aspects provides a compact summary of the Ebola virus, outlining its nature,

history, epidemiology, and methods of treatment. In addition, the work examines the context of the diseases outbreak by describing the people, politics, and policies in West Africa before, during, and after the recent outbreak. Finally, chapters summarize and explore the ethical issues that arise in pursuing treatments and discuss methods for improving control and prevention of additional outbreaks. Dr. Felix I. Ikuomola, a medical doctor who is pursuing additional advanced degrees in clinical research (UH) and surgical sciences (RCSEd/Edin), brings to bear his practice of medicine and surgery in Liberia, Nigeria, Sierra Leone, and the Gambia and his direct knowledge of the cultural practices and factors at play in the countries of West Africa to ground the presentation in *The Ebola Virus and West Africa* in the realities of the current situation in the region. *The Ebola Virus and West Africa: Medical and Sociocultural Aspects* will provide a highly organized, comprehensive, and insightful treatment of this virulent disease and its sociocultural elements to people with medical backgrounds and to individuals desiring to understand more comprehensively the impact of this disease on West Africa. In either case, time spent with *The Ebola Virus and West Africa* will give you the background and analysis you need to respond intelligently to the challenges the virus presents to an increasingly globalized culture.

A History of Global Health - Randall M. Packard 2016-09-15

A sweeping history explores why people living in resource-poor areas lack access to basic health care after billions of dollars have been invested in international-health assistance. Over the past century, hundreds of billions of dollars have been invested in programs aimed at improving health on a global scale. Given the enormous scale and complexity of these lifesaving operations, why do millions of people in low-income countries continue to live without access to basic health services, sanitation, or clean water? And why are deadly diseases like Ebola able to spread so quickly among populations? In *A History of Global Health*, Randall M. Packard argues that global-health initiatives have saved millions of lives but have had limited impact on the overall health of people living in underdeveloped areas, where health-care workers are poorly paid, infrastructure and basic supplies such as disposable gloves, syringes, and bandages are lacking, and little effort has been made to address the underlying social and economic determinants of ill health. Global-health campaigns have relied on the application of biomedical technologies--vaccines, insecticide-treated nets, vitamin A capsules--to attack specific health problems but have failed to invest in building lasting infrastructure for managing the ongoing health problems of local populations. Designed to be read and taught, the book offers a critical historical view, providing historians, policy makers, researchers, program managers, and students with an essential new perspective on the formation and implementation of global-health policies and practices.

National Strategy for the COVID-19 Response and Pandemic Preparedness - Joseph R. Biden, Jr. 2021-05-18

The ultimate guide for anyone wondering how President Joe Biden will respond to the COVID-19 pandemic--all his plans, goals, and executive orders in response to the coronavirus crisis. Shortly after being inaugurated as the 46th President of the United States, Joe Biden and his administration released this 200 page guide detailing his plans to respond to the coronavirus pandemic. The National Strategy for the COVID-19 Response and Pandemic Preparedness breaks down seven crucial goals of President Joe Biden's administration with regards to the coronavirus pandemic: 1. Restore trust with the American people. 2. Mount a safe, effective, and comprehensive vaccination campaign. 3. Mitigate spread through expanding masking, testing, data, treatments, health care workforce, and clear public health standards. 4. Immediately expand emergency relief and exercise the Defense Production Act. 5. Safely reopen schools, businesses, and travel while protecting workers. 6. Protect those most at risk and advance equity, including across racial, ethnic and rural/urban lines. 7. Restore U.S. leadership globally and build better preparedness for future threats. Each of these goals are explained and detailed in the book, with evidence about the current circumstances and how we got here, as well as plans and concrete steps to achieve each goal. Also included is the full text of the many Executive Orders that will be issued by President Biden to achieve each of these goals. The National Strategy for the COVID-19 Response and Pandemic Preparedness is required reading for anyone interested in or concerned about the COVID-19 pandemic and its effects on American society.

The Ebola Epidemic in West Africa - National Academies of Sciences, Engineering, and Medicine 2016-12-30

The most recent Ebola epidemic that began in late 2013 alerted the entire world to the gaps in infectious disease emergency preparedness

and response. The regional outbreak that progressed to a significant public health emergency of international concern (PHEIC) in a matter of months killed 11,310 and infected more than 28,616. While this outbreak bears some unique distinctions to past outbreaks, many characteristics remain the same and contributed to tragic loss of human life and unnecessary expenditure of capital: insufficient knowledge of the disease, its reservoirs, and its transmission; delayed prevention efforts and treatment; poor control of the disease in hospital settings; and inadequate community and international responses. Recognizing the opportunity to learn from the countless lessons of this epidemic, the National Academies of Sciences, Engineering, and Medicine convened a workshop in March 2015 to discuss the challenges to successful outbreak responses at the scientific, clinical, and global health levels. Workshop participants explored the epidemic from multiple perspectives, identified important questions about Ebola that remained unanswered, and sought to apply this understanding to the broad challenges posed by Ebola and other emerging pathogens, to prevent the international community from being taken by surprise once again in the face of these threats. This publication summarizes the presentations and discussions from the workshop.

The Threat of Pandemic Influenza - Institute of Medicine 2005-04-09
Public health officials and organizations around the world remain on high alert because of increasing concerns about the prospect of an influenza pandemic, which many experts believe to be inevitable. Moreover, recent problems with the availability and strain-specificity of vaccine for annual flu epidemics in some countries and the rise of pandemic strains of avian flu in disparate geographic regions have alarmed experts about the world's ability to prevent or contain a human pandemic. The workshop summary, *The Threat of Pandemic Influenza: Are We Ready?* addresses these urgent concerns. The report describes what steps the United States and other countries have taken thus far to prepare for the next outbreak of "killer flu." It also looks at gaps in readiness, including hospitals' inability to absorb a surge of patients and many nations' incapacity to monitor and detect flu outbreaks. The report points to the need for international agreements to share flu vaccine and antiviral stockpiles to ensure that the 88 percent of nations that cannot manufacture or stockpile these products have access to them. It chronicles the toll of the H5N1 strain of avian flu currently circulating among poultry in many parts of Asia, which now accounts for the culling of millions of birds and the death of at least 50 persons. And it compares the costs of preparations with the costs of illness and death that could arise during an outbreak.

deWit's Medical-Surgical Nursing E-Book - Holly K. Stromberg
2020-01-09

Get the solid foundation you need to pass the NCLEX-PN® exam and succeed in practice! *deWit's Medical-Surgical Nursing: Concepts and Practice, 4th Edition* builds on the fundamentals of nursing with complete coverage of adult medical-surgical conditions, including roles, settings, health care trends, and all body systems and their disorders. It provides special attention to care of older adults, those with chronic illnesses, and residents in long-term care settings. Written by nursing educator Holly Stromberg, *deWit's Medical-Surgical Nursing* makes exam prep easier with NCLEX-PN® review questions, and reflects national LPN/LVN standards with an emphasis on evidence-based practice and patient safety. Safety alerts emphasize safety precautions to protect patients, family, health care providers, and the public from accidents, spread of disease, and medication-related accidents. Older Adult Care Points address the unique care issues of gerontologic nursing, and describe assessment and interventions for long-term care patients. Nursing care plans show plans of care based on patient history, including patient goals and outcomes, with critical thinking questions allowing you to assess your understanding of nursing care concepts. Assignment Considerations cover task delegation from the RN to the LPN/LVN and from the LPN/LVN to unlicensed assistive personnel, as allowed by each state's nurse practice act. Get Ready for the NCLEX® Examination! section at the end of each chapter covers key points and includes review questions to help you prepare for class tests and the NCLEX-PN examination. Focused Assessment boxes show how to collect patient data, including history, physical, and psychosocial assessment. Home Care Considerations focus on adapting medical-surgical nursing care to the home environment after discharge. Cultural Considerations promote understanding of various ethnic groups and sensitivity to differing beliefs and practices. Communication boxes help in developing therapeutic communication skills in realistic patient care situations. Patient Teaching boxes provide instructions and guidelines for educating patients on post-

hospital care. Legal and Ethical Considerations describe legal issues and ethical dilemmas that may face the practicing nurse. Think Critically encourages you to synthesize information and apply concepts to practice. Nutrition Considerations emphasize the role nutrition plays in disease and nursing care. Medication tables provide quick access to dosages and side effects of commonly used medications. Key terms include phonetic pronunciations and text page references, making learning easier with terms listed at the beginning of each chapter, appearing in blue at first mention or where defined in the text, and defined in the glossary.

The Hot Zone - Richard Preston 1995

Imagine a killer with the infectiousness of the common cold and power of the Black Death. Imagine something so deadly that it wipes out 90% of those it touches. Imagine an organism against which there is no defence. But you don't need to imagine. Such a killer exists: it is a virus and its name is Ebola. *The Hot Zone* tells what happens when the unthinkable becomes reality: when a deadly virus, from the rain forests of Africa, crosses continents and infects a monkey house ten miles from the White House. Ebola is that reality. It has the power to decimate the world's population. Try not to panic. It will be back. There is nothing you can do...

Plague of Corruption - Judy Mikovits 2021-06-15

#1 on Amazon Charts, New York Times Bestseller, USA Today Bestseller—Over 100,000 Copies in Print! "Kent Heckenlively and Judy Mikovits are the new dynamic duo fighting corruption in science." —Ben Garrison, America's #1 political satirist Dr. Judy Mikovits is a modern-day Rosalind Franklin, a brilliant researcher shaking up the old boys' club of science with her groundbreaking discoveries. And like many women who have trespassed into the world of men, she uncovered decades-old secrets that many would prefer to stay buried. From her doctoral thesis, which changed the treatment of HIV-AIDS, saving the lives of millions, including basketball great Magic Johnson, to her spectacular discovery of a new family of human retroviruses, and her latest research which points to a new golden age of health, Dr. Mikovits has always been on the leading edge of science. With the brilliant wit one might expect if Erin Brockovich had a doctorate in molecular biology, Dr. Mikovits has seen the best and worst of science. When she was part of the research community that turned HIV-AIDS from a fatal disease into a manageable one, she saw science at its best. But when her investigations questioned whether the use of animal tissue in medical research were unleashing devastating plagues of chronic diseases, such as autism and chronic fatigue syndrome, she saw science at its worst. If her suspicions are correct, we are looking at a complete realignment of scientific practices, including how we study and treat human disease. Recounting her nearly four decades in science, including her collaboration of more than thirty-five years with Dr. Frank Ruscetti, one of the founders of the field of human retrovirology, this is a behind the scenes look at the issues and egos which will determine the future health of humanity.

Ebola's Message - Nicholas G. Evans 2016-09-30

Interdisciplinary perspectives on the science, politics, and ethics of the 2013–2015 Ebola virus disease outbreak. The 2013–2015 outbreak of the Ebola virus disease (EVD) was a public health disaster: 28,575 infections and 11,313 deaths (as of October 2015), devastating the countries of Guinea, Liberia, and Sierra Leone; a slow and mismanaged international response; and sensationalistic media coverage, seized upon by politicians to justify wrongheaded policy. And yet there were also promising developments that may improve future responses to infectious disease epidemics: the UN Security Council's first involvement in a public health event; a series of promising clinical treatments and vaccines for EVD; and recognition of the need for a global public health system to deal with epidemics that cross national borders. This volume offers a range of perspectives on these and other lessons learned, with essays on the science, politics, and ethics of the Ebola outbreak. The contributors discuss topics including the virology and management of EVD in both rich and poor nations; the spread of the disease (with an essay by a leader of Médecins Sans Frontières); racist perceptions of West Africa; mainstream and social media responses to Ebola; and the ethical issue of whether to run clinical trials of experimental treatments during an outbreak. Contributors Christian L. Althaus, Daniel G. Bausch, Adia Benton, Michael J. Connor, Jr., Kim Yi Dionne, Nicholas G. Evans, Morenike Oluwatoyin Folayan, Stephen Goldstein, Bridget Haire, Patricia C. Henwood, Kelly Hills, Cyril Ibe, Marjorie Kruvand, Lisa M. Lee, Maimuna S. Majumder, Alexandra L. Phelan, Annette Rid, Cristine Russell, Lara Schwarz, Laura Seay, Michael Selgelid, Tara C. Smith, Armand Sprecher

Ebola: Information for Healthcare Workers and Settings - For

Your Reference - eRegs & Guides 2014-10-25

Guidance & Recommendations Infection Prevention and Control for Hospitalized Patients with Known or Suspected Ebola in U.S. Hospitals
Guidance on Personal Protective Equipment To Be Used by Healthcare Workers During Management of Patients with Ebola Virus Disease in U.S. Hospitals, Including Procedures for Putting On (Donning) and Removing (Doffing) Environmental Infection Control in Hospitals for Ebola Virus - Interim Guidance Recommendations for Safely Performing Acute Hemodialysis in Patients with Ebola Virus Disease in U.S. Hospitals Safe Handling of Human Remains of Ebola Patients in U. S. Hospitals and Mortuaries Ebola-Associated Waste Management Patient Evaluation Algorithm - Evaluating Returned Travelers for Ebola, US Checklist for Patients Being Evaluated for Ebola in the U.S. Laboratory (specimen collection, transport, testing, submission) Specimen Collection, Transport, Testing, and Submission for Persons Under Investigation for Ebola in the U.S. - Interim Guidance Factsheet - Visual format Packaging and Shipping Clinical Specimens Diagram Frequently Asked Questions for U.S. Clinical Laboratories Compliance with Select Agent Regulations for Laboratories Handling Patient Specimens that are Known or Suspected to Contain Ebola Virus - Interim Guidance

Ebola: The Natural and Human History of a Deadly Virus - David Quammen 2014-10-20

"A frightening and fascinating masterpiece of science reporting that reads like a detective story." —Walter Isaacson In 1976 a deadly virus emerged from the Congo forest. As swiftly as it came, it disappeared, leaving no trace. Over the four decades since, Ebola has emerged sporadically, each time to devastating effect. It can kill up to 90 percent of its victims. In between these outbreaks, it is untraceable, hiding deep in the jungle. The search is on to find Ebola's elusive host animal. And until we find it, Ebola will continue to strike. Acclaimed science writer and explorer David Quammen first came near the virus while he was traveling in the jungles of Gabon, accompanied by local men whose village had been devastated by a recent outbreak. Here he tells the story of Ebola—its past, present, and its unknowable future. Extracted from Spillover by David Quammen, updated and with additional material.
[The Big Book of Infectious Disease Trivia](#) - Kristina Wright 2021-01-26 Explore the facts, myths, science, history, and more behind infectious diseases from around the world with this ultimate trivia collection that will have you equally freaked out and fascinated. Taking a friendly approach to a serious subject, The Big Book of Infectious Disease Trivia answers all of your questions about pandemics, epidemics, and diseases—plus, it covers all of the bizarre questions you never thought to ask! From familiar diseases like influenza to ancient diseases like leprosy to oddly named diseases like mad cow disease, this trivia book tackles the mind-blowing facts and obscure details about many infectious diseases—past, present, and future. Get ready to broaden your understanding of humanity's many illnesses, from survivable to deadly, with answers to questions like: What is the difference between an epidemic and a pandemic? What is the oldest known infectious disease? How is COVID-19 different from the flu and pneumonia? Who invented the face mask? What is herd immunity? What does it take to have an infectious disease declared "eradicated"? And more! With historical facts along with pop culture references, The Big Book of Infectious Disease Trivia is a must-have for anyone fascinated by infectious diseases.

Spillover: Animal Infections and the Next Human Pandemic - David Quammen 2012-10

Examines the emergence and causes of new diseases all over the world, describing a process called "spillover" where illness originates in wild animals before being passed to humans and discusses the potential for the next huge pandemic. 70,000 first printing.

[Ebola K: a Terrorism Thriller](#) - Bobby Adair 2014-09-07

Ebola, Terrorism, and Hope In 1989 the Ebola virus mutated to into an airborne strain that infected humans for the first time on American soil in Reston, Virginia. Through belated containment efforts and luck, nobody died. Now, in the remote East African village of Kapchorwa, the Ebola virus has mutated into another airborne strain without losing any of its deadly potency. In this thriller, terrorists stumble across this new, fully lethal strain and while the world fearfully watches the growing epidemic in West Africa as Sierra Leone goes into country-wide lockdown, only a few Americans are aware of Ebola K and the danger it poses-to be the deadliest pandemic in the history of mankind. Can they do anything to protect themselves from this killer disease? Can they stop the terrorists? The Ebola K Trilogy of Terrorism Thrillers Book 1 - FREE (or it soon will be) Book 2 - due out in late autumn of 2014 Book 3 - due out in early spring of 2015

Guideline for Isolation Precautions in Hospitals - Julia S. Garner 1983

Ebola - Dr. William Close 1995-06-27

"Eloquent, gripping, harrowing."—Richard Preston, author of The Hot Zone When a mysterious virus first exploded in Zaire in 1976, American physician William T. Close worked desperately to contain the outbreak. Haunted by this wrenching crisis, Dr. Close felt compelled to honor the memory of the courageous people he knew and lost. This is their story: a terrifying, completely authentic novel that begins with an invisible killer. It strikes without warning—a lethal disease with no name . . . and no cure. At a Catholic mission in Yambuku, a remote village sixty miles south of the Ebola River, local teacher Mabalo Lokela visits the clinic with a raging fever. Sister Lucie, a Flemish nun and nurse, gives him a shot of an antimalarial drug, wipes off the syringe, and awaits her next patient. Within days, Mabalo is dead. Soon, others are falling ill. Less than three weeks later, the virus claims Sister Lucie's life as well. Panic erupts, but as the villagers attempt to flee, all roads leading out of Yambuku are closed off, the dying forced back. And as the single radio connecting the mission to the outside world brings only bad news, the valiant nuns and medical personnel left behind have no choice but to pray, and wonder: Will they survive long enough for help to arrive?

Handbook of Respiratory Protection - LeeAnn Racz 2017-11-22

Respiratory protection includes devices and management techniques for keeping people safe from hazardous materials. This handbook presents the state-of-the-art in respiratory protection technology as well as best management practices for work centers. Included are topics relevant to industry, government, and healthcare that provide guidance and tools for ensuring the best possible protection for workers. Most books on this topic are at least 20 years old. Research, technology and management techniques have advanced over the past two decades. This new handbook is needed to provide updated information relevant to today's occupational needs for industrial hygiene and safety professionals.

Virus: Stockholm - S2 - Daniel Åberg 2021-07-07

A deadly, very aggressive and airborne virus has destroyed civilization. In the midst of devastation we follow the survivors, Amanda, Iris, Sigrid & Dano. But having survived the apocalypse is no blessing - now hell begins. The four of them just want to heal their wounds. But an uninfected, heavily armed, gas mask wearing militia has other plans for them. Sigrid is kidnapped. If they can't find the militia's hiding place before morning, Iris's daughter will die. Poorly equipped, their rescue operation begins. But the desperate plan has a dark side, and as the death toll rises, the question must be asked: how far is it morally justifiable to go to save the one you love? Society may have perished, but there is still much to lose.

Crisis in the Red Zone - Richard Preston 2020-04-03

NEW YORK TIMES BESTSELLER • An urgent wake-up call about the future of emerging viruses and a gripping account of the doctors and scientists fighting to protect us, told through the story of the deadly 2013-2014 Ebola epidemic "Crisis in the Red Zone reads like a thriller. That the story it tells is all true makes it all more terrifying."—Elizabeth Kolbert, Pulitzer Prize-winning author of The Sixth Extinction From the #1 bestselling author of The Hot Zone, now a National Geographic original miniseries . . . This time, Ebola started with a two-year-old child who likely had contact with a wild creature and whose entire family quickly fell ill and died. The ensuing global drama activated health professionals in North America, Europe, and Africa in a desperate race against time to contain the viral wildfire. By the end—as the virus mutated into its deadliest form, and spread farther and faster than ever before—30,000 people would be infected, and the dead would be spread across eight countries on three continents. In this taut and suspenseful medical drama, Richard Preston deeply chronicles the pandemic, in which we saw for the first time the specter of Ebola jumping continents, crossing the Atlantic, and infecting people in America. Rich in characters and conflict—physical, emotional, and ethical—Crisis in the Red Zone is an immersion in one of the great public health calamities of our time. Preston writes of doctors and nurses in the field putting their own lives on the line, of government bureaucrats and NGO administrators moving, often fitfully, to try to contain the outbreak, and of pharmaceutical companies racing to develop drugs to combat the virus. He also explores the charged ethical dilemma over who should and did receive the rare doses of an experimental treatment when they became available at the peak of the disaster. Crisis in the Red Zone makes clear that the outbreak of 2013-2014 is a harbinger of further, more severe outbreaks, and of emerging viruses heretofore unimagined—in any country, on any

continent. In our ever more interconnected world, with roads and towns cut deep into the jungles of equatorial Africa, viruses both familiar and undiscovered are being unleashed into more densely populated areas than ever before. The more we discover about the virosphere, the more we realize its deadly potential. Crisis in the Red Zone is an exquisitely timely book, a stark warning of viral outbreaks to come.

The Plague Year - Lawrence Wright 2021-06-08

From the Pulitzer Prize-winning author of *The Looming Tower*, and the pandemic novel *The End of October*: an unprecedented, momentous account of Covid-19—its origins, its wide-ranging repercussions, and the ongoing global fight to contain it "A book of panoramic breadth ... managing to surprise us about even those episodes we ... thought we knew well ... [With] lively exchanges about spike proteins and nonpharmaceutical interventions and disease waves, Wright's storytelling dexterity makes all this come alive." —The New York Times Book Review From the fateful first moments of the outbreak in China to the storming of the U.S. Capitol to the extraordinary vaccine rollout, Lawrence Wright's *The Plague Year* tells the story of Covid-19 in authoritative, galvanizing detail and with the full drama of events on

both a global and intimate scale, illuminating the medical, economic, political, and social ramifications of the pandemic. Wright takes us inside the CDC, where a first round of faulty test kits lost America precious time . . . inside the halls of the White House, where Deputy National Security Adviser Matthew Pottinger's early alarm about the virus was met with confounding and drastically costly skepticism . . . into a Covid ward in a Charlottesville hospital, with an idealistic young woman doctor from the town of Little Africa, South Carolina . . . into the precincts of prediction specialists at Goldman Sachs . . . into Broadway's darkened theaters and Austin's struggling music venues . . . inside the human body, diving deep into the science of how the virus and vaccines function—with an eye-opening detour into the history of vaccination and of the modern anti-vaccination movement. And in this full accounting, Wright makes clear that the medical professionals around the country who've risked their lives to fight the virus reveal and embody an America in all its vulnerability, courage, and potential. In turns steely-eyed, sympathetic, infuriated, unexpectedly comical, and always precise, Lawrence Wright is a formidable guide, slicing through the dense fog of misinformation to give us a 360-degree portrait of the catastrophe we thought we knew.