

Kindle File Format Ebola Behind The Mask

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Ebola Behind the Mask - Andy Dennis - 2018

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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.

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Crisis in the Red Zone - Richard Preston - 2019-07-23

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.

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The Plague Year - Lawrence Wright - 2021

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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

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Advances in Ebola Control - Samuel Ikwara Okwara - 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.

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The Masque of The Red Death - Edgar Allan Poe - 101-01-01

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The Politics of Fear - Senior Humanitarian Specialist Michiel Hofman - 2017-01-16

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. "

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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.

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Global Health and the Future Role of the United States - National Academies of Sciences, Engineering, and Medicine - 2017-09-05

While much progress has been made on achieving the Millennium Development Goals over the last decade, the number and complexity of global health challenges has persisted. Growing forces for globalization have increased the interconnectedness of the world and our interdependency on other countries, economies, and cultures. Monumental growth in international travel and trade have brought improved access to goods and services for many, but also carry ongoing and ever-present threats of zoonotic spillover and infectious disease outbreaks that threaten all. Global Health and the Future Role of the United States identifies global health priorities in light of current and emerging world threats. This report assesses the current global health landscape and how challenges, actions, and players have evolved over the last decade across a wide range of issues, and provides recommendations on how to increase responsiveness, coordination, and efficiency ac” both within the U.S. government and across the global health field.

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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.

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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.

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

Ryan Hartwig may be one of the most important figures in American history. Hired by Cognizant as a content moderator for Facebook, Ryan Hartwig began by keeping gruesome images of cartel violence in Mexico off the platform. This seemed like a righteous mission and yet, as time went by, it became clear the Facebook bosses saw an even bigger threat, Americans of a different political viewpoint. Ryan watched in horror as Facebook made a monumental shift after the 2016 elections, hiring thousands of US-based content moderators with one mission, to favor leftist viewpoints while suppressing the speech of conservatives. Ryan describes more than forty examples of such behavior, and it will radically rewrite your understanding of the past four years as you learn how the news regarding prominent individuals like Greta Thunberg, Alyssa Milano, and Don Lemon was censored to remove legitimate criticism of them. Viral videos of Trump supporters being attacked were removed from the platform, and moderators were told to look for signs of hate speech in Trumps' State of the Union addresses, while at the same time allowing vicious attacks against police, pro-lifers, and straight white males. As America's de-facto town square, Facebook was systematically suppressing free speech, which has traditionally been our country's greatest weapon to combat extremism from either side. Ryan knew he had to take action, and contacted Project Veritas, eventually filming many of these actions with a hidden camera for the world to see. We need to stand up against tech tyranny and corporations that attempt to control our conversations, our news, and our political narratives. Reading Behind the Mask of Facebook: A Whistleblower’s Shocking Story of Big Tech Bias and Censorship is the first step to learning how to confront and defeat this tyranny.

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In the Company of Men - Véronique Tadjo - 2021-02-23

Drawing on real accounts of the Ebola outbreak that devastated West Africa, this poignant, timely fable reflects on both the strength and the fragility of life and humanity’s place in the world. Two boys venture from their village to hunt in a nearby forest, where they shoot down bats with glee, and cook their prey over an open fire. Within a month, they are dead, bodies ravaged by an insidious disease that neither the local healer’s potions nor the medical team’s treatments could cure. Compounding the family’s grief, experts warn against touching the sick. But this caution comes too late: the virus spreads rapidly, and the boys’ father is barely able to send his eldest daughter away for a chance at survival. In a series of moving snapshots, Véronique Tadjo illustrates the terrible extent of the Ebola epidemic, through the eyes of those affected in myriad ways: the doctor who tirelessly treats patients day after day in a sweltering tent, protected from the virus only by a plastic suit; the student who volunteers to work as a gravedigger while universities are closed, helping the teams overwhelmed by the sheer number of bodies; the grandmother who agrees to take in an orphaned boy cast out of his village for fear of infection. And watching over them all is the ancient and wise Baobab tree, mourning the dire state of the earth yet providing a sense of hope for the future. Acutely relevant to our times in light of the coronavirus pandemic, In the Company of Men explores critical questions about how we cope with a global crisis and how we can combat fear and prejudice.

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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

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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.

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Antibody Responses to a Related Series of Highly Glycosylated Ebola Virus Proteins - Wedelien B. Oswald - 2007

The Ebola virus (EBOV) is a dangerous pathogen due to its high mortality rate (up to 90% in some outbreaks). The virus is largely confined to local regions in sub-Saharan Africa. However, if it should be artificially spread through increased urbanization and global travel, not to mention biowarfare and bioterrorism, it could pose a serious worldwide health threat. Research into the prevention and treatment of EBOV infection is therefore valuable. Several studies have indicated that immune responses against the EBOV glycoprotein (GP) are important for protective immunity. This line of research is aimed at understanding antibody responses to EBOV GP, and applying this knowledge to vaccine design and improvement. The neutralizing antibody KZ52 has been proven to be effective in protecting guinea pigs from challenge with EBOV. However, the study documented here, conducted in a primate model, which more closely mirrors humans, indicated that KZ52 was unable to protect the macaques. This underscores the importance of the cellular branch of the immune system in rapid response to EBOV infection, such as those induced in successful vaccine studies. The envelope glycoprotein of EBOV is produced in several different forms during infection: secreted glycoprotein (sGP, transcribed V80% of the time), glycoprotein (GP, created by a frameshift in the GP gene, made up of GP1 and GP2) transcribed 20% of the time, and soluble glycoprotein 1 (GP1, the N-terminal domain of GP). Two mutants were created, GPdTM (transmembrane-deleted Ebola glycoprotein) and the mucin-like domain (a heavily N- and O-glycosylated domain which may mask the protein from immune detection) deleted GPdTMdmc. To begin to attain an understanding of antibody responses against GP, both natural variants and mutants of GP were cloned for soluble expression. These proteins were used in relative immunogenicity and antigenicity studies. It was found that sGP, though a potent cross-reactive antigen, was able to elicit neutralizing antibodies and therefore would not be the optimal decoy it was once proposed to be. GPdTM was not efficient at eliciting high binding nor neutralizing titers. Purified monoclonal antibodies produced from splenocyte hybridomas will be the focus of future studies on elucidating the role of antibodies in infection, based on specific interactions with the Ebola virus glycoprotein.

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Spillover: Animal Infections and the Next Human Pandemic - David Quammen - 2012-10-01

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.

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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 Foyalan, 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

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Neoliberal Ebola - Robert G. Wallace - 2016-08-29

This volume compiles five papers modeling the effects of neoliberal economics on the emergence of Ebola and its aftermath. Neoliberalism is currently the world's primary economic philosophy. It centers international relations around globalizing laissez-faire economics for multinational companies, promoting free trade, deregulating economic markets, and shifting state expenditures in favor of private property. The multidisciplinary teams represented here place both Ebola Makona, the Zaire Ebola virus variant that has infected 28,000 in West Africa, and Ebola Reston, which is currently emerging in industrial hog farms in the Philippines and China, within a multi-plank modeling framework. Using a stochastic extinction model that one group spatializes, environmental stochasticity across the ecologies in which Ebola evolves is treated as an ecosystemic prophylaxis. An agroecological logic gate is developed for epidemic control. A Black-Scholes model explicitly links economic margins across agricultural systems to success in biocontrol. This new control theory is further developed around the data-rate and rate-distortion theorems, a turbulence model, and cognitive symmetry breaking. Lastly, a model of pandemic penetrance is used to explore the domino effects of serious outbreaks amplifying through the cascades of disasters that can follow deadly pandemics. All the models presented are contextualized by socioeconomic geographies specific to outbreak locales.Together the models suggest shifts in regional agroecomics under the neoliberal doctrine, driving deforestation and monoculture production, destroying the ecosystemic "friction" with which local forests typically disrupt Ebola transmission. The resulting collapse in such an ecological function accelerates pathogen spillover and propagation across the remaining host populations. The failure on the part of current control efforts to assimilate such a structural context may render even an efficacious vaccine dysfunctional. The authors propose an alternate science of disease and an adjunct program of interventions useful to researchers and public health officials alike.

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

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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.

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The Address Book - Deirdre Mask - 2020-04-14

Finalist for the 2020 Kirkus Prize for Nonfiction | One of Time Magazine's 100 Must-Read Books of 2020 | Longlisted for the 2020 Pochlight Business Book Awards "An entertaining quest to trace the origins and implications of the names of the roads on which we reside." —Sarah Vowell, The New York Times Book Review When most people think about street addresses, if they think of them at all, it is in their capacity to ensure that the postman can deliver mail or a traveler won't get lost. But street addresses were not invented to help you find your way; they were created to find you. In many parts of the world, your address can reveal your race and class. In this wide-ranging and remarkable book, Deirdre Mask looks at the fate of streets named after Martin Luther King Jr., the wayfinding means of ancient Romans, and how Nazis hang the streets of modern Germany. The flipside of having an address is not having one, and we also see what that means for millions of people today, including those who live in the slums of Kolkata and on the streets of London. Filled with fascinating people and histories, The Address Book illuminates the complex and sometimes hidden stories behind street names and their power to name, to hide, to decide who counts, who doesn't—and why.

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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 (RCS&E/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.

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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

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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.

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Ebola - Laurie Garrett - 2014-11-18

Where does Ebola originate? How does it spread? And what should governments do to stop it? Few people understand the answers to these questions better than Pulitzer Prize-winning journalist Laurie Garrett. In this masterful account of the 1995 Ebola outbreak in Zaire, Garrett, now the Senior Fellow for Global Health at the Council on Foreign Relations, shows how superstition and fear, compounded by a lack of resources, education, and clearheaded government planning have plagued our response to Ebola. In an extensive new introduction, Garrett forcefully argues that learning from past outbreaks is the key to solving the Ebola crisis of 2014. In her account of the 1995 Zaire outbreak, first published in her bestselling book Betrayal of Trust, Garrett takes readers through the epidemic's course-beginning with the Kikwit villager who first contracted it from an animal encounter while chopping wood for charcoal deep in the forest. As she documents the outbreak in riveting detail, Garrett shows why our trust in world governments to protect people's health has been irrevocably broken. She details the international community's engagement in the epidemic's aftermath: a pattern of response and abandonment, urgency that devolves into amnesia. Ebola: Story of an Outbreak is essential reading for anyone who wants to comprehend Ebola, one of mankind's most mysterious, malicious scourges. Garrett has issued a powerful call for governments, citizens, and the disease-fighting agencies of the wealthy world to take action.

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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 metaphorical 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.

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Ethical and Legal Considerations in Mitigating Pandemic Disease - Institute of Medicine - 2007-07-08

In recent public workshops and working group meetings, the Forum of Microbial Threats of the Institute of Medicine (IOM) has examined a variety of infectious disease outbreaks with pandemic potential, including those caused by influenza (IOM, 2005) and severe acute respiratory syndrome (SARS) (IOM, 2004). Particular attention has been paid to the potential pandemic threat posed by the H5N1 strain of avian influenza, which is now endemic in many Southeast Asian bird populations. Since 2003, the H5N1 subtype of avian influenza has caused 185 confirmed human deaths in 11 countries, including some cases of viral transmission from human to human (WHO, 2007). But as worrisome as these developments are, at least they are caused by known pathogens. The next pandemic could well be caused by the emergence of a microbe that is still unknown, much as happened in the 1980s with the emergence of the human immunodeficiency virus (HIV) and in 2003 with the appearance of the SARS coronavirus. Previous Forum meetings on pandemic disease have discussed the scientific and logistical challenges associated with pandemic disease recognition, identification, and response. Participants in these earlier meetings also recognized the difficulty of implementing disease control strategies effectively. Ethical and Legal Considerations in Mitigating Pandemic Disease: Workshop Summary as a factual summary of what occurred at the workshop.

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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

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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.

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Ebola risk assessment in the pig value chain in Uganda - Atherstone, C. - 2014-07-01

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The Pandemic Century: One Hundred Years of Panic, Hysteria, and Hubris - Mark Honigsbaum - 2019-04-09

With a New Chapter and Updated Epilogue on Coronavirus A Financial Times Best Health Book of 2019 and a New York Times Book Review Editors’ Choice “Honigsbaum does a superb job covering a century’s worth of pandemics and the fears they invariably unleash.” —Howard Markel, MD, PhD, director of the Center for the History of Medicine, University of Michigan How can we understand the COVID-19 pandemic? Ever since the 1918 Spanish influenza pandemic, scientists have dreamed of preventing such catastrophic outbreaks of infectious disease. Yet despite a century of medical progress, viral and bacterial disasters continue to take us by surprise, inciting panic and dominating news cycles. In The Pandemic Century, a lively account of scares both infamous and less known, medical historian Mark Honigsbaum combines reportage with the history of science and medical sociology to artfully reconstruct epidemiological mysteries and the ecology of infectious diseases. We met dedicated disease detectives, obstructive or incompetent public health officials, and brilliant scientists often blinded by their own knowledge of bacteria and viruses—and see how fear of disease often exacerbates racial, religious, and ethnic tensions. Now updated with a new chapter and epilogue.

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

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.

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Inferno - Steven Hatch - 2017-03-07

Dr. Steven Hatch first came to Liberia in November 2013, to work at a hospital in Monrovia. Six months later, several of the physicians Dr. Hatch had mentored and served with were dead or barely clinging to life, and Ebola had become a world health emergency. Hundreds of victims perished each week; whole families were destroyed in a matter of days; so many died so quickly that the culturally taboo practice of cremation had to be instituted to dispose of the bodies. With little help from the international community and a population ravaged by disease and fear, the war-torn African nation was simply unprepared to deal with the catastrophe. A physician's memoir about the ravages of a terrible disease and the small hospital that fought to contain it, Inferno is also an explanation of the science and biology of Ebola: how it is transmitted and spreads with such ferocity. And as Dr. Hatch notes, while Ebola is temporarily under control, it will inevitably re-emerge—as will other plagues, notably the Zika virus, which the World Health Organization has declared a public health emergency. Inferno is a glimpse into the white-hot center of a crisis that will come again.

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The Hot Zone - Richard Preston - 2014-08-21

In March 2014, the Ebola outbreak in West Africa was first reported. By October 2014, it had become the largest and deadliest occurrence of the disease. Over 4,500 people have died. Almost 10,000 cases have been reported, across Liberia, Guinea, Sierra Leone, Nigeria and the United States. Impossible to ignore, The Hot Zone is the terrifying, true-life account of when this highly infectious virus spread from the rainforests of Africa to the suburbs of Washington, D.C in 1989. A secret SWAT

team of soldiers and scientists were quickly tasked with halting the outbreak. And they did. But now, that very same virus is back. And we could be just one wrong move away from a pandemic.

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Global Health Security - Anthony J. Masys - 2021-08-26

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.

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Viral Polymerases - Satya Prakash Gupta - 2018-10-29

Viral Polymerases: Structures, Functions and Roles as Antiviral Drug Targets presents in-depth study information on the structure and functions of polymerases and their roles in the lifecycle of viruses, and as drug targets. Viral polymerases constitute a vital component in the lifecycle of many viruses, such as human immunodeficiency virus (HIV), hepatitis viruses, influenza virus, and several others. They are essentially required for the replication of viruses. Thus, the polymerases that can be found in viruses (called viral polymerases) represent favorable targets for the design and development of antiviral drugs. Provides comprehensive, state-of-the-art coverage on virus infections, the virus lifecycle, and mechanisms of polymerase inhibition Analyzes the structure-activity relationships of inhibitors of each viral polymerase Presents a consistent and comprehensive coverage of all aspects of viral polymerases, including structure, function and their role as antiviral drug targets

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