

Ebola A Novel Of The First Outbreak By Doctor Who Was There William T Close

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...

From 2013 to 2015, over 11,000 people across West Africa lost their lives to the deadliest outbreak of the Ebola virus in history. Crucially, this epidemic marked the first time the virus was able to spread beyond rural areas to major cities, overturning conventional assumptions about its epidemiology. With backgrounds ranging from development to disease control, the contributors to this volume - some of them based in countries affected by the Ebola epidemic - consider the underlying factors that shaped this unprecedented outbreak. While championing the heroic efforts of local communities and aid workers in halting the spread of the disease, the contributors also reveal deep structural problems in both the countries and humanitarian agencies involved, which hampered the efforts to contain the epidemic. Alarming, they show that little has been learned from these events, with health provision remaining underfunded and poorly equipped to deal with future outbreaks. Such issues, they argue, reflect the wider challenges we face in tackling epidemic disease in an increasingly interconnected world.

A darkly satirical portrayal of the outbreak of Ebola in 1970s Congo and Sudan. Humorous and tragic in turns, the narrative weaves its way from the graveyards of Kinshasa to the factories, brothels and ex-pat communities of southern Sudan, as the disease selects its victims from amongst the novel's vibrant and eccentric characters.

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.

In the very near future, a devastating Ebola-like pandemic has struck the world, but for the 1% in New York City it's an excuse for even more twisted behavior. Taylor Antrim delivers a thrilling new novel that combines the best of dystopian fiction with a sharp-eyed exploration of class and wealth in the world's capital. In this fast-paced paranoid, near-future New York City, we meet Catherine, a broke socialite who is getting sick. Desperate, she takes a job with a luxury concierge service that fulfills the most outlandish desires of the ultra-rich—even if that means hunting down the 99%. As the hidden agendas of her employer and his shadowy clients emerge, Catherine realizes things are not remotely as they appear and she finds herself a pawn of mega-corporations and government agents all eager to profit from the cure embedded inside of her.

Personal account of the author's work in the ultra high-tech "hot zone" lab that he created at the Centers for Disease Control headquarters in Atlanta battling such viruses as Ebola, Lassa fever, Crimean Congo Hemorrhagic Fever, and AIDS and searching for weapons with which to combat them.

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.

Jack Gamble is a shallow greedy class action lawyer on the verge of a big payday when the judge allows the class claim to go forward and orders the United States and its CDC to provide discovery. George Parker, head of security at the CDC, needs to keep things hidden. By trickery Jack is found to have Ebola and summarily shipped out and dropped among the class he represents in the middle of Ebola Island, formerly known as Madagascar. Ebola Island is out of control. Food, medicine, supplies and money have been systematically siphoned off leaving the residents of the island sick and starving. Many have turned to cannibalism to survive. All vestiges of order or control have been overrun by the time Jack is dropped at an airstrip on the island. To survive Jack must cross the island on foot with no food or water except what can be scavenged and he must avoid the roving bands of cannibals. To make matters more difficult Parker has sent trained armed men to track and kill Jack and has put a huge reward out to area bounty hunters if they can find and kill Jack. Against these obstacles, Jack has the help of two unarmed locals and support back in Cincinnati from his lawyer and his girlfriend. "Remarkable characters propel a potent story brimming with action and suspense." Kirkus Reviews. A portion of the author's proceeds will be donated to The Middletown Community Foundation in the author's home town.

"[McCormick has] been face-to-face with Ebola in Africa.... He... worked for days inside a mud hut that was smeared with Ebola blood, on his knees among people who were crashing and bleeding out." —Richard Preston, The Hot Zone Now with a new foreword by the authors about the novel Coronavirus pandemic. Sublimely equipped to survive, to propagate,

to conquer, the virus is neither really alive nor really dead. Its dimensions are measured in molecules. It attacks by dismantling its human targets cell by cell. An ancient adversary, resident on this earth long before our evolutionary ancestors arrived, the virus is without conscience or compassion, without mind. It enjoys the advantages of countless numbers and infinite time. It is a being almost too simple to understand and too basic to outwit. We are locked in a war with the virus. Each battle kills some of us. The battles have many names: Ebola, Lassa fever, Crimean Congo Hemorrhagic Fever, AIDS . . . Dr. Joseph McCormick and Dr. Susan Fischer-Hoch have met them all; and they have fought them all. Level 4: Virus Hunters of the CDC is their story. It is an intense, personal account of more than a quarter of a century on the front lines—in the ultra high-tech "hot zone" lab that McCormick was instrumental in creating at the Centers for Disease Control in Atlanta, as well as in the most primitive places on the planet, where the local climate, terrain, and politics can kill as easily as any disease. In the villages of Zaire and Sudan, the ghettos and rain forest of Brazil, and the nomadic settlements of northern Pakistan, the cutting edge of science meets the deadly universe of viral disease. The elite corps of virus hunters who dare to penetrate these realms combine the unquenchable curiosity and raw guts of intrepid explorers with the training of top-level scientists, the hunch-playing passion of master sleuths, and the compassion of truly great physicians. Told in intimate detail by two of the world's best-known virologists—colleagues, collaborators, husband and wife— Level 4 is a journey across the world and into many strange new worlds: from the seductive beauty of equatorial Africa—a limitless reservoir of infection—to the confines of the all-but-invisible field of the electron microscope. While other books have offered hot zones, sick monkeys, and grim statistics, Level 4 brings home from the world of the virus the human stories of those who lived, and those who died.

In 2014 after fighting through yards of bureaucratic red tape, leaving her family, and putting her own health at risk in order to help suffering strangers, Kwan Kew Lai finally arrived in Africa to volunteer as an infectious disease specialist in the heart of the largest Ebola outbreak in history. What she found was not only blistering heat, inhospitable working conditions, and deadly, unrelenting illness, but hope, resilience, and incredible courage. *Lest We Forget* chronicles the harrowing and inspiring time spent serving on the front lines of the ongoing Ebola outbreak—the complicated Personal Protective Equipment, the chlorine-scented air, the tropical heat, and the heartbreaking difficulties of treating patients she could not touch. Dr. Lai interweaves original diary entries to create a gripping narrative about life, death, and human relationships that will leave no reader unmoved. *Lest We Forget* exposes the raw brutality of Ebola, as well as the chaotic nature of the undersupplied and understaffed health infrastructure in the developing world. At once a memoir of triumphs and failures and a memorial, this book will ensure that the victims of Ebola and the fighters who sought to heal them will not be forgotten.

"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.

Based on research and interviews with experts in virology, molecular biology, disease ecology, and medicine, an exploration of our battles with microbes examines the current outbreak of infectious diseases and outlines what can be done to prevent the coming plague. 25,000 first printing. Tour.

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. A documentary novel telling of the first outbreak of the Ebola virus in Zaire in 1976, based on the personal experiences of the author, an American physician who worked to control the epidemic.

Shortlisted for the Fage and Oliver Prize 2018 From December 2013, the largest Ebola outbreak in history swept across West Africa, claiming thousands of lives in Liberia, Sierra Leone and Guinea. By the middle of 2014, the international community was gripped by hysteria. Experts grimly predicted that millions would be infected within months, and a huge international control effort was mounted to contain the virus. Yet paradoxically, by this point the disease was already going into decline in Africa itself. So why did outside observers get it so wrong? Paul Richards draws on his extensive first-hand experience in Sierra Leone to argue that the international community's panicky response failed to take account of local expertise and common sense. Crucially, Richards shows that the humanitarian response to the disease was most effective in those areas where it supported these

initiatives and that it hampered recovery when it ignored or disregarded local knowledge.

Ebola Virus Disease: From Origins to Outbreak covers Ebola virus disease in its entirety from its origins through major outbreaks in the past to the present day outbreak. It contains information on the West Saharan response to Ebola as well as highlights from the field in West Africa from Dr. Qureshi and Dr. Chughtai, helping to solve the primary question of what's next and aiding in formulating a path forward. With a growing awareness of the devastating effects of this viral disease and an influx of topical research, this book provides the information the global community of researchers, clinicians and students need to better inform their research and study of Ebola virus disease. Includes perspectives from the 2014-2015 outbreak from the field Provides a detailed overview of the origins of Ebola virus through present day discoveries Written with an integrative approach, incorporating scientific research with insights from the field

A physician-anthropologist explores how public health practices--from epidemiological modeling to outbreak containment--help perpetuate global inequities. In *Epidemic Illusions*, Eugene Richardson, a physician and an anthropologist, contends that public health practices--from epidemiological modeling and outbreak containment to Big Data and causal inference--play an essential role in perpetuating a range of global inequities. Drawing on postcolonial theory, medical anthropology, and critical science studies, Richardson demonstrates the ways in which the flagship discipline of epidemiology has been shaped by the colonial, racist, and patriarchal system that had its inception in 1492.

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 Tadjó 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.

Bizarre illnesses and plagues that kill people in the most unspeakable ways. Obsessive and inspired efforts by scientists to solve mysteries and save lives. From *The Hot Zone* to *The Demon in the Freezer* and beyond, Richard Preston's bestselling works have mesmerized readers everywhere by showing them strange worlds of nature they never dreamed of. *Panic in Level 4* is a grand tour through the eerie and unforgettable universe of Richard Preston, filled with incredible characters and mysteries that refuse to leave one's mind. Here are dramatic true stories from this acclaimed and award-winning author, including: • The phenomenon of "self-cannibals," who suffer from a rare genetic condition caused by one wrong letter in their DNA that forces them to compulsively chew their own flesh--and why everyone may have a touch of this disease. • The search for the unknown host of Ebola virus, an organism hidden somewhere in African rain forests, where the disease finds its way into the human species, causing outbreaks of unparalleled horror. • The brilliant Russian brothers--"one mathematician divided between two bodies"--who built a supercomputer in their apartment from mail-order parts in an attempt to find hidden order in the number pi (?). In fascinating, intimate, and exhilarating detail, Richard Preston portrays the frightening forces and constructive discoveries that are currently roiling and reordering our world, once again proving himself a master of the nonfiction narrative and, as noted in *The Washington Post*, "a science writer with an uncommon gift for turning complex biology into riveting page-turners."

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.

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*

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.

A leading doctor offers answers on the one of the most urgent questions of our time: How do we prevent the next global pandemic? The 2014 Ebola epidemic in Liberia terrified the world--and revealed how unprepared we are for the next outbreak of an infectious disease. Somewhere in nature, a killer virus is boiling up in the bloodstream of a bird, bat, monkey, or pig, preparing to jump to a human being. This not-yet-detected germ has the potential to wipe out millions of lives over a matter of weeks or months. That risk makes the threat posed by ISIS, a ground war, a massive climate event, or even the dropping of a nuclear bomb on a major city pale in comparison. In *The End of Epidemics*, Harvard Medical School faculty member and Chair of the Global Health Council Dr. Jonathan D. Quick examines the eradication of smallpox and devastating effects of influenza, AIDS, SARS, and Ebola. Analyzing local and global efforts to contain these diseases and citing firsthand accounts of failure and success, Dr. Quick proposes a new set of actions which he has coined "The Power of Seven," to end epidemics before they can begin. These actions include: - Spend prudently to prevent disease before an epidemic strikes, rather than spending too little, too late - Ensure prompt, open, and accurate communication between nations and aid agencies, instead of secrecy and territorial disputes - Fight disease and prevent panic with innovation and good science Practical and urgent, *The End of Epidemics* is crucial reading for citizens,

health professionals, and policy makers alike.

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.

"What's Ebola? Do we need to be afraid? This short book will take readers beyond the headlines to help them understand the 2014 outbreak. It will inform while helping to alleviate fears."--

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

More than 30 newly emerged microorganisms and related diseases have been discovered in the past 20 years. Since these infections are so new, even infectious diseases experts and clinical microbiologists need more information. This book covers recently emerged infectious diseases based on real cases and provides comprehensive information including different aspects of the infections. Written in a 'teaching' style, this book is of interest to every medical specialist and student. Includes more than 35 emerging infection cases based on the following criteria: newly emerged or re-emerged recently acquired significance in clinical practice recently radically changed in case management Offers a balanced synthesis of basic and clinical sciences for each individual case, presenting clinical courses of the cases in parallel with the pathogenesis and detailed microbiological information for each infection Describes the prevalence and incidence of the global issues and current therapeutic approaches Presents the measures for infection control

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

A fast-spreading disease with no cure takes the United States by storm in Robin Cook's "most harrowing medical horror story" (*The New York Times*). Murder and intrigue reach epidemic proportions when a devastating plague sweeps the country. Dr. Marissa Blumenthal of the Atlanta Centers for Disease Control investigates—and soon uncovers the medical world's deadliest secret...

Ebola's Curse: 2013-2016 Outbreak in West Africa is about hemorrhagic fever viruses, especially Ebola, its initial origin in central Africa 1976, its unprecedented appearance in West Africa in 2013. The book records in sequence and detective style how the initial outbreak of Ebola from the index case in rural Guinea traveled to Sierra Leone, the work and fate of those working in the Kenema Government Hospital (KGH) isolation ward in Sierra Leone. The book provides vignettes of the three main players involved with Ebola at KGH, Sheik Khan, Pardis Sabeti, and Robert Garry. Khan was the head of the unit, declared a national hero by his Sierra Leone government. He died fighting Ebola and was/is recognized in the USA by American societies by awards created for his historic work and death. Pardis Sabeti, a geneticist from Harvard and Broad MIT Institute, who was honored as a "Scientist of the Year" by Time Magazine and the Smithsonian Institute. Robert Garry, head of the operation to fight hemorrhagic fevers and Ebola, shuttled between Tulane University, KGH, and The White House to make aware through the press and others the dilemma and tragedy that was unfolding, and the need to obtain additional medical and health care support and supplies. Sabeti and Garry currently work with Oldstone on Ebola at KGH and thus personal communication and knowledge was/is available to the author for the book. Includes perspectives from the 2013-2016 outbreak in West Africa Provides a detailed overview of the origins of Ebola virus through present day discoveries Written with an integrative approach, incorporating scientific research with insights from the field on Public Health and Medical History

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.

Ebola A Documentary Novel of Its First Explosion Ballantine Books

"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.

If you breathe . . . It will find you. The list of 10,000 names was created for maximum devastation. Business leaders,

housewives, politicians, celebrities, janitors, children. None of them is aware of what is about to happen--but all will be part of the most frightening brand of warfare the world has ever known. The germ--an advanced form of the Ebola virus--has been genetically engineered to infect only those people whose DNA matches the codes embedded within it. Those whose DNA is not a match simply catch a cold. But those who are a match experience a far worse fate. Within days, their internal organs liquify. Death is the only escape. The release of the virus will usher in a new era of power where countries are left without defense. Where a single person--or millions--could be killed with perfect accuracy and zero collateral damage. Where your own DNA works against you. The time isn't coming. It is now. Pray the assassins get you first.

"From the author of *The Fever*, a wide-ranging inquiry into the origins of pandemics Interweaving history, original reportage, and personal narrative, *Pandemic* explores the origins of epidemics, drawing parallels between the story of cholera--one of history's most disruptive and deadly pathogens--and the new pathogens that stalk humankind today, from Ebola and avian influenza to drug-resistant superbugs. More than three hundred infectious diseases have emerged or reemerged in new territory during the past fifty years, and 90 percent of epidemiologists expect that one of them will cause a disruptive, deadly pandemic sometime in the next two generations. To reveal how that might happen, Sonia Shah tracks each stage of cholera's dramatic journey from harmless microbe to world-changing pandemic, from its 1817 emergence in the South Asian hinterlands to its rapid dispersal across the nineteenth-century world and its latest beachhead in Haiti. She reports on the pathogens following in cholera's footsteps, from the MRSA bacterium that besieges her own family to the never-before-seen killers emerging from China's wet markets, the surgical wards of New Delhi, the slums of Port-au-Prince, and the suburban backyards of the East Coast. By delving into the convoluted science, strange politics, and checkered history of one of the world's deadliest diseases, *Pandemic* reveals what the next epidemic might look like--and what we can do to prevent it"--

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.

A microbiologist describes his adventure-filled career, discussing his time spent in Central Africa in the 1970s identifying the Ebola virus and his work there again in the 1980s as part of the area's first international AIDS efforts. 20,000 first printing.

A global health catastrophe narrowly averted. A world unprepared for the next great threat. In December 2013, a young boy in a tiny West African village contracted the deadly Ebola virus. The virus spread to his relatives, then to neighboring communities, then across international borders. The world's first urban Ebola outbreak quickly overwhelmed the global health system and threatened to kill millions. In an increasingly interconnected world in which everyone is one or two flights away from New York or London or Beijing, even a localized epidemic can become a pandemic. Ebola's spread through West Africa to Nigeria, the United Kingdom and the United States sounded global alarms that the next killer outbreak is right around the corner—and that the world is woefully unprepared to combat a new deadly disease. From the poorest villages of rural West Africa to the Oval Office itself, this book tells the story of a deadly virus that spun wildly out of control—and reveals the truth about how close the world came to a catastrophic global pandemic.

The 2014–2015 Ebola epidemic in western Africa was the longest and most deadly Ebola epidemic in history, resulting in 28,616 cases and 11,310 deaths in Guinea, Liberia, and Sierra Leone. The Ebola virus has been known since 1976, when two separate outbreaks were identified in the Democratic Republic of Congo (then Zaire) and South Sudan (then Sudan). However, because all Ebola outbreaks prior to that in West Africa in 2014–2015 were relatively isolated and of short duration, little was known about how to best manage patients to improve survival, and there were no approved therapeutics or vaccines. When the World Health Organization declared the 2014–2015 epidemic a public health emergency of international concern in August 2014, several teams began conducting formal clinical trials in the Ebola affected countries during the outbreak. *Integrating Clinical Research into Epidemic Response: The Ebola Experience* assesses the value of the clinical trials held during the 2014–2015 epidemic and makes recommendations about how

the conduct of trials could be improved in the context of a future international emerging or re-emerging infectious disease events.

At an internment camp in Indonesia, forty-seven people are pronounced dead with acute hemorrhagic fever. When epidemiologist Henry Parsons travels there on behalf of the World Health Organization to investigate, what he finds will have staggering repercussions. Halfway across the globe, the deputy director of U.S. Homeland Security scrambles to mount a response to the rapidly spreading pandemic leapfrogging around the world, which she believes may be the result of an act of biowarfare. And a rogue experimenter in man-made diseases is preparing his own terrifying solution. As already-fraying global relations begin to snap, the virus slashes across the United States, dismantling institutions and decimating the population. With his own wife and children facing diminishing odds of survival, Henry travels from Indonesia to Saudi Arabia to his home base at the CDC in Atlanta, searching for a cure and for the origins of this seemingly unknowable disease.

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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