## Magic Bullet, Miracle Drug: The History of Antibiotic Therapy

Title:	The Antibiotic Paradox: How the Misuse of Antibiotics Destroys Their Curative
	Powers
	By Stuart B Levy M.D.
	ISBN: 9780738204406
☐ Required	The antibiotic era, barely 60 years old, is increasingly challenged by the continued
	emergence of drug-resistant organisms. The variables that currently predict the
☐ Recommended	level of resistance in a community (or a hospital) are the misuse of antibiotics and
	the resultant selection of mutants, the spread of resistant strains as a result of
	poor infection control, and intrusion from the outside of strains already resistant
	to the drug. Without the pressure of antibiotics, however, the selection of strains
	in the community harboring the genes that code for resistance would not be so
	effective. No one has been more outspoken on this point than Stuart Levy, author of this encyclopedic account of the misuse of antibiotics. Ten years after the book's
	initial publication, the new edition is an accessible, fact-filled warning of the risks
	posed by the unwise use of the prize drugs antibiotics. Nowhere else are the
	history of antibiotic discovery and the mechanisms of microbial resistance so
	clearly presented for general readers. For those in medicine and related disciplines
	who are interested in the topic, this book is easy to read, a comfortable and logical
	presentation of the problem with sufficient notes and references for the serious
	student to pursue the topic by reading original publications beyond the book.
Title:	The Killers Within: The Deadly Rise Of Drug-Resistant Bacteria
	By: Michael Shnayerson and Mark Plotkin
	ISBN: 978-0316735667
☐ Required	At first glance, Shnayerson, a Vanity Fair staff writer, and noted ethnobotanist
	Plotkin (Tales of a Shaman's Apprentice) seem an unlikely pair to be writing a book
☐ Recommended	about antibiotic resistance. Yet the reader quickly becomes engrossed in their tale.
	The authors provide an extremely readable look at the overuse of antibiotics, the methods bacteria use to develop resistance, the role of antibiotics as animal
	growth promoters, and the outlook for antibiotics. Drawing on a vast number of
	interviews with key people in the field, Shnayerson and Plotkin have managed to
	demonstrate their concern over the future of antibiotics while keeping the
	scientific background manageable for lay readers. A brief, annotated bibliography
	and list of web sites adds to the work. An interesting complement to Gerald Grob's
	The Deadly Truth, which discusses the inevitability of disease, this work also offers
	readers a riveting update to the section on antibiotics in Laurie Garrett's The
	Coming Plague. Recommended for public and academic collections.
Title:	The Demon in the Freezer
	By: Richard Preston
□ Boguiged	ISBN: 978-0345466631
☐ Required	Never mind Ebola, the hemorrhagic disease that was the main subject of Preston's 1994 #1 bestseller, The Hot Zone. What we really should be worrying about,
☐ Recommended	explains Preston in this terrifying, cautionary new title, is smallpox, or variola. But
- Necommended	wasn't that eradicated? many might ask, particularly older Americans who
	remember painful vaccinations and the resultant scars. Officially, yes, nods
	Preston, who devotes the first half of the book to the valorous attempt by an army
	of volunteers to wipe out the virus (an attempt initially sparked by '60s icon Ram
	of volunteers to wipe out the virus (an attempt initially sparked by '60s icon Ram

	Dass and his Indian guru) via strategic vaccination; in 1977 the last case of naturally occurring smallpox was documented in Somalia, and today the variola virus exists officially in only two storage depots, in Russia and at the Centers for Disease Control in Atlanta (in the freezer of the title). To believe that variola is not held elsewhere, however, is nonsense, argues Preston, who delves into the possibility that several nations, including Iraq and Russia, have recently worked or are currently working with smallpox as a biological weapon. The author devotes much space to the anthrax attacks of last fall, mostly to demonstrate how easily a devastating assault with smallpox could occur here. He includes an interview with Steven Hatfill, who has received much press coverage for the FBI's investigation of him regarding those attacks; his description of meeting Hatfill, hallmarked by a quick character sketch ("He was a vital, engaging man, with a sharp mind and a sense of humor He was heavy-set but looked fit, and he had dark blue eyes") is emblematic of what makes this New Yorker regular's writing so gripping. Preston humanizes his science reportage by focusing on individuals-scientists, patients, physicians, government figures. That, and a flair for teasing out without overstatement the drama in his inherently compelling topics, plus a prose style that's simple and forceful, make this book as exciting as the best thrillers, yet scarier by far, for Preston's pages deal with clear, present and very real dangers.
Title:	A Field Guide to Germs
	By: Wayne Biddle
	ISBN: 978-1400030514
☐ Required	From the title alone, you know it's going to be good. Biddle delves into anthrax and
_	arboviruses, cholera and chlamydia, diphtheria, dengue, and dysentery, and on
☐ Recommended	through the disease-ridden alphabet to Zika fever. Biddle explains in graphic detail
	the causes, symptoms and treatments for these germs, and it's all jolly good
	middle-of-the-night reading. You might become somewhat phobic if you read it
	from cover to cover, but no one will be more scintillating at parties.
Title:	Viruses, Plagues, and History: Past, Present and Future
	By: Michael B. A. Oldstone M.D. ISBN: 978-0195327311
☐ Required	The story of viruses and humanity is a story of fear and ignorance, of grief and
Required	heartbreak, and of great bravery and sacrifice. Michael Oldstone tells all these
☐ Recommended	stories as he illuminates the history of the devastating diseases that have
	tormented humanity, focusing mostly on the most famous viruses.
	Oldstone begins with smallpox, polio, and measles. Nearly 300 million people were
	killed by smallpox in this century alone and the author presents a vivid account of
	the long campaign to eradicate this lethal killer. Oldstone then describes the
	fascinating viruses that have captured headlines in more recent years: Ebola,
	Hantavirus, mad cow disease (a frightening illness made worse by government
	mishandling and secrecy), and, of course, AIDS. And he tells us of the many
	scientists watching and waiting even now for the next great plague, monitoring
	influenza strains to see whether the deadly variant from 1918a viral strain that killed over 20 million people in 1918-1919will make a comeback. For this revised
	edition, Oldstone includes discussions of new viruses like SARS, bird flu, virally
	caused cancers, chronic wasting disease, and West Nile, and fully updates the
	original text with new findings on particular viruses.
	- O

	10 0 100 100
	Viruses, Plagues, and History paints a sweeping portrait of humanity's long-
	standing conflict with our unseen viral enemies. Oldstone's book is a vivid history
	of a fascinating field, and a highly reliable dispatch from an eminent researcher on
	the front line of this ongoing campaign.
Title:	Good Germs, Bad Germs: Health and Survival in a Bacterial World
	By Jessica Snyder Sachs
	ISBN: 0809016427
☐ Required	Science writer Sachs (Corpse) makes a strong case for a new paradigm for dealing
	with the microbial life that teems around and within us. Taking both evolutionary
☐ Recommended	and ecological approaches, she explains why antibiotics work so well but are now
	losing their effectiveness. She notes that between agricultural antibiotic usage and
	needless prescriptions written for human use, antibiotic resistance has reached
	terrifying levels. A decade ago, resistant infections acquired in hospitals were
	killing an estimated eighty-eight thousand Americans each year more than car
	accidents and homicides combined. Our attempts to destroy microorganisms
	regularly upset useful microbial communities, often leading to serious medical
	consequences. Sachs also presents evidence suggesting that an epidemiclike rise in
	autoimmune diseases and allergies may be attributable to our misguided frontal
	assault on the bacterial world. The solution proposed is to encourage the growth
	of healthy, displacement-resistant microbial ecological communities and promote
	research that disrupts microbial processes rather than simply attempting to kill the
	germs themselves. Despite the frightening death toll, Sachs's summary of
Title:	promising new avenues of research offers hope.
riue:	Man and Microbes: Disease and Plagues in History and Modern Times
	By: Arno Karlen ISBN: 978-0684822709
☐ Doguined	
☐ Required	Whereas many popular books on microbes focus on contemporary pathogens and
☐ Recommended	emerging epidemics, Arno Karlen's <i>Man and Microbes</i> provides a historical look at
□ Recommended	the coevolution of humans and microorganisms. Karlen speculates that infections
	are integral to the process of life itself, that the mitochondria in every animal cell,
	for instance, are likely descendants of infectious agents. He then traces the
	development of man from primitive hunter-gatherer to urban dweller to world
	traveler, pointedly analyzing how socio-ecological changes have contributed to the
	changing incidence of disease. With amazing detail, Karlen describes the origins of
	historical plagues (smallpox, cholera, influenza, polio, and others) as well as the
	emergence of scourges such as hemorrhagic fever (Ebola and its cousins), Lyme
	disease, Legionnaires' disease, and even the deep mysteries of retroviruses such as
	HIV.
Title:	Killer Germs
	By: Barry Zimmerman and David Zimmerman
	ISBN: 978-0071409261
☐ Required	Everything readers ever wanted to know about deadly viruses, killer parasites,
	flesh-eating microbes, and other lifethreatening beasties but were afraid to ask:
☐ Recommended	What disease, known as "the White Death" has killed 2 billion people, and
	counting? What fatal disease lurks undetected in air conditioners and shower
	heads, waiting to become airborne? How lethal is the Ebola virus, and will there
İ	ever be a cure for it? How do you catch flesh-eating bacteria? Killer Germs takes

	readers on a fascinating (sometimes horrifying) journey into the amazing world of viruses, bacteria, protozoa, fungi, and worms and explores the roles they have played in shaping the course of human history. From biblical plagues, to the AIDS crisis, to supergerms of the future, this updated and revised edition of the original covers the whole gamut of diseases that have threatened humanity since its origins. It also includes a new chapter on the history of bioterrorism and the deplorable role it has played and is likely to play in the phenomenal diversity of diseases.
Title:	Deadly Companions: How Microbes Shaped Our History
	By: Dorothy H. Crawford
	ISBN: 978-0199561445
□ Required	Combining tales of devastating epidemics with accessible science and fascinating
☐ Recommended	history, <i>Deadly Companions</i> reveals how closely microbes have evolved with us over the millennia, shaping human civilization through infection, disease, and deadly pandemic. Beginning with a dramatic account of the SARS pandemic at the start of the 21st century, Dorothy Crawford takes us back in time to follow the interlinked history of microbes and humanity, offering an up-to-date look at
	ancient plagues and epidemics, and identifying key changes in the way humans have livedsuch as our move from hunter-gatherer to farmer to city-dwellerwhich made us ever more vulnerable to microbe attack. Showing that how we live our lives todaywith increased crowding and air travelputs us once again at risk, Crawford asks whether we might ever conquer microbes completely. Among the
	possible answers, one thing becomes clear: that for generations to come, our deadly companions will continue to influence our lives.
Title:	Beyond Antibiotics: Strategies for Living in a World of Emerging Infections and
Title:	Antibiotic-Resistant Bacteria
	By: Michael a. Schmidt Ph.D
	ISBN: 978-1556437779
☐ Required	At a time when the numbers of emerging infections and antibiotic-resistant
	bacteria are rising sharply, the supply of new antibiotic drugs has been steadily
☐ Recommended	decreasing. In addition, many health providers have failed to consider that our
	bodies are cloaked in a blanket of bacteria so pervasive that the bacterial cells
	outnumber our "human" cells by a factor of ten. In short, we are living in a
	microbe's world and cannot ignore the very real potential for untreatable serious
	infections. In this timely book, Dr. Michael Schmidt proposes we focus on strengthening ourselves by thinking of our bodies as a "human-microbe hybrid."
	This requires taking action to raise our defenses, while preserving the integrity of
	the microbial elements that live on and within us. Drawing on the latest research
	from several scientific fields, Schmidt presents a strategy of medicine that can be
	used to build and balance our system of immune defense and repair. He offers a
	set of general recommendations that can easily be used to tailor programs to
	individuals seeking to support health maintenance, prevent illness, fight active
Tial	acute or chronic infections, and foster faster recovery from infections.
Title:	The Demon Under the Microscope: From Battlefield Hospitals to Nazi Labs, One
	Doctor's Heroic Search for the World's First Miracle Drug  By: Thomas Hager
	ISBN: 978-1400082148
	15514. 570 1400002140

☐ Required	Modern bacteriology was born on the battlefields of WWI, where bacteria-rich
	trenches added to the toll of millions of soldiers killed. Not coincidentally, the
☐ Recommended	search for anything that would significantly diminish the deadly power of disease
	largely occurred between the world wars, mostly in Germany. Gerhard Domagk
	and his colleagues at Bayer (a subsidiary of I.G. Farben) worked feverishly to
	identify which microscopic squiggles might render humankind forever safe from
	malaria and tuberculosis. The answer, discovered in 1932, turned out to be sulfa
	drugs, the precursors to modern antibiotics. Hager, a biographer of Linus Pauling,
	does a remarkable job of transforming material fit for a biology graduate seminar
	into highly entertaining reading. He knows that lay readers need plenty of
	personality and local color, and his story is rich with both. This yarn prefigures the
	modern rush for corporate pharma patents; it is testament to Hager's skill that the
	inherently unsexy process of finding the chemicals that might help conquer strep is
	as exciting as an account of the hunt for a Russian submarine.
Title:	Viruses vs. Superbugs: A Solution to the Antibiotics Crisis?
	By: Thomas Haxusler
	ISBN: 978-0230551930
☐ Required	Once upon a time, before penicillin, medicine's perpetual battle with bacterial
	infection was waged with biological weapons. Phagesviruses that kill bacteria but
☐ Recommended	are harmless to humanswere used to perform duties for which they seemed
	uniquely destined. The story of bacteriophage therapy, which began in the early
	twentieth century, is dramatic and frustrating. The drama lies in Swedish science
	editor Hausler's account of how the ideas of an arrogant rogue scientist, Felix
	d'Herelle, flew in the faces of his contemporaries and how he persevered to prove
	his hypotheses, only to see his discovery put on a back burner, at least in the West,
	when modern antibiotics burst upon the scene. That development would have
	been fine if it had meant a conclusion to struggle against the likes of strep and
	staph infections. The problem is, however, that greater and greater numbers of
	serious bacteria are becoming antibiotic resistant. With nearly 90,000 Americans
	dying each year because antibiotic treatments are no longer effective, something
	must be done. Hausler proposes renewed investigation into bacteriophage therapy
	but paints a dismal picture of its likelihood. It is, he says, effective and organic but
	unlikely to become a cash cow for pharmaceutical companies
Title:	The Sanford Guide to Antimicrobial Therapy 2011 (Guide to Antimicrobial
	Therapy)
	By: David Gilbert et al
	ISBN: 978-1930808652
☐ Required	No product information avaiable
☐ Recommended	
Title:	Mayo Clinic Antimicrobial Therapy: Quick Guide
	By: John Wilson and Lynn Estes
	ISBN: 978-1420085181
☐ Required	Direct from infectious diseases experts at Mayo Clinic, this new pocket-sized guide
	to antimicrobial therapy provides an innovative format organized for the way you
☐ Recommended	treat patients—simplified treatment recommendations for specific syndromes at

	the point of care. Special benefits include:
	<ul> <li>An expertly designed point-of-care format—provides effortless access to therapy guidelines</li> </ul>
	<ul> <li>Up-to-date content—with added references and Web site URLs to keep you current</li> </ul>
	Hundreds of antimicrobial drugs—ensure thorough coverage
	<ul> <li>Drug-dosing recommendations—provide quick treatment options and improve outcomes</li> </ul>
	Pediatric dosing guidelines—present a thorough one-stop resource option
	Written in an easy-to-use format, the new <i>Mayo Clinic Antimicrobial Therapy Quick Guide</i> helps clinicians around the world improve their quick ID consults for positive patient outcomes.
Title:	Antibiotics: Actions, Origins, Resistance
	By: Christopher Walsh
	ISBN: 978-1555812546
☐ Required	This is the first comprehensive book on antibiotics since the 1981 classic by Gale et
	al. It focuses on the increased interest in antibiotics due to emerging bacterial
☐ Recommended	diseases and resistance. It shows how antibiotics work on targets; gives new
	insights into antibiotic modification and design; and reviews strategies for finding
Title:	novel antibiotics
inte:	Overkill: Repairing the Damage Caused by Our Unhealthy Obsession with Germs, Antibiotics, and Antibacterial Products
	By Debra Fulghum Bruce and Kimberly Thompson
	ISBN: 978-1579545345
☐ Required	Popping antibiotics to quiet every ear infection has been likened to dropping
	nuclear bombs to quiet every enemy. Simply put, it's overkill. Risk assessment
☐ Recommended	expert Kimberly M. Thompson, Sc.D., beseeches individuals to become germ savvy
	in order to prevent new, more resistant bacteria from reaching epidemic
	proportions. Busting myths and highlighting facts about food safety, cleaning
	products, medicines, and immune systems, Thompson plows through 31 common
	illnesses "that are treatedand mistreatedwith antibiotics." Each segment briefly
	describes the ailment and its causes, signs, and symptoms. Thompson also
	provides specific preventive measures and treatment options for each illness,
	based on the reader's "RQ," or Risk Quotient (determined via an initial survey that assesses one's personal health risk profile). Those who score a low RQ for bacterial
	infection receive gentle prescriptions: avoid, hydrate, wash, supplement,
	immunize. Folks in the medium- to high-risk categories will find information about
	herbal remedies, helpful foods, or salves; they might also find direct orders to stop
	smoking, spend more time exercising, or "work with your doctor." A useful primer
	on food-borne and household pathogens, recipes for natural cleaners, and special
	attention to high-risk populations (including children and immune-compromised
	people) round out this vital home resource.
Title:	Infectious Disease: A Scientific American Reader
	Edited by Scientific American
	ISBN: 978-0226742649

☐ Required	The international public health scare that resulted last year when a man infected
	with multidrug-resistant tuberculosis flew overseas from the United States and
☐ Recommended	back illustrates both the fear and the potential impact of highly infectious diseases in a global age. At a time when scientists warn of the potential for an influenza
	epidemic to rival the deadly outbreak of 1919 and newspapers feature alarming
	headlines about incidences of mad cow disease, infectious disease will be a critical
	area of concern and scientific study in the twenty-first century. <i>Infectious Disease</i>
	collects thirty of the most exciting, innovative, and significant articles on
	communicable illness published in the pages of <i>Scientific American</i> magazine since
	1993. With sections devoted to viral infections, infectious disease, the immune
	system, and global management and treatment issues, <i>Infectious Disease</i> provides
	general readers and students with an excellent overview of recent research in the
	field. Roger I. Glass discusses a potential vaccine for the rotavirus—a leading cause
	of severe childhood diarrhea world wide and frequent killer of young children in
	developing nations. Jeffery K. Taubenberger and colleagues investigate the virulent strain of influenza that killed up to 40 million people in 1919 to suggest treatments
	and recommend preventative measures. And Paul R. Epstein looks into whether
	global warming could be harmful to our health, untangling research that suggests
	that many diseases will flourish as Earth's atmosphere heats up. The prominence
	of disease in the ecology and evolution of human society has spurred investment in
	research and technology development, and, as a consequence, the topic is much
	discussed in the general and scientific media. <i>Infectious Disease</i> is the essential
	sourcebook for anyone looking for the solid science and compelling narrative
	behind the stories that make headlines.
Title.	The Woman with a Worm in Her Head: And Other True Stories of Infectious
Title:	
riue:	Disease
riue:	<b>Disease</b> By: Pamela Nagami M.D. and F. Gonzalez-Crussi
	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014
□ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014 As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases
	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014 As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014 As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries,
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches
☐ Required	By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these
☐ Required	By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these bizarre cases on a daily basis, and the limits of medical miracles. Like a detective
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these
☐ Required	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these bizarre cases on a daily basis, and the limits of medical miracles. Like a detective unraveling a crime scene, Nagami shows us how the most innocuous actions can
☐ Required ☐ Recommended	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these bizarre cases on a daily basis, and the limits of medical miracles. Like a detective unraveling a crime scene, Nagami shows us how the most innocuous actions can hurt us, or save our lives.
☐ Required ☐ Recommended ☐ Title:	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these bizarre cases on a daily basis, and the limits of medical miracles. Like a detective unraveling a crime scene, Nagami shows us how the most innocuous actions can hurt us, or save our lives.  The A to Z of Infectious Diseases (Concise Encyclopedia) By Carol A. Turkington and Bonnie Lee Ashby ISBN: 978-0816063987
☐ Required ☐ Recommended	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014 As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these bizarre cases on a daily basis, and the limits of medical miracles. Like a detective unraveling a crime scene, Nagami shows us how the most innocuous actions can hurt us, or save our lives.  The A to Z of Infectious Diseases (Concise Encyclopedia) By Carol A. Turkington and Bonnie Lee Ashby ISBN: 978-0816063987  Medical writer Turkington and physician Ashby have produced "a guide and
☐ Required ☐ Recommended ☐ Title:	Disease By: Pamela Nagami M.D. and F. Gonzalez-Crussi ISBN: 978-0312306014  As a "bugs and drugs doc," Pamela Nagami has seen some of the worst diseases known to humankindflesh-eating strep, parasitic worms that zigzag through the brain, and AIDS, the biggest infectious disease emergency around. Some of the infections profiled in <i>Maneater</i> can smolder for years before rearing up and killing their unsuspecting human host; others seem innocuous, like chickenpox, which can nevertheless devastate a body. Others, like malaria, travel from other countries, but equally dangerous microbes live in American soil, just waiting to be disturbed by a backhoe or a runner and inhaled in a single breath. These indelible dispatches from the frontlines of infectious disease reveal the danger lurking in everything from salads to the air we breathe, the heroic actions of doctors faced with these bizarre cases on a daily basis, and the limits of medical miracles. Like a detective unraveling a crime scene, Nagami shows us how the most innocuous actions can hurt us, or save our lives.  The A to Z of Infectious Diseases (Concise Encyclopedia) By Carol A. Turkington and Bonnie Lee Ashby ISBN: 978-0816063987

	treatment, and prevention. Six appendixes identify drugs used in treating
	infectious diseases, tips for disinfecting the home, web sites, hotlines, journals, and
	health organizations. An extensive bibliography provides additional sources. For
	academic and medical libraries, Mandell, Douglas and Bennett's Principles and
	Practice of Infectious Diseases (Churchill, 1995. 4th ed.) is the major textbook on
	this topic. Designed for lay readers, this typical Facts on File reference is written in
	a very readable style and includes many cross references.
Title:	Evolution of Infectious Disease
	By: Paul Ewald
	ISBN: 978-0195111392
☐ Required	Findings from the field of evolutionary biology are yielding dramatic insights for
	health scientists, especially those involved in the fight against infectious diseases.
☐ Recommended	This book is the first in-depth presentation of these insights. In detailing why the
	pathogens that cause malaria, smallpox, tuberculosis, and AIDS have their special
	kinds of deadliness, the book shows how efforts to control virtually all diseases
	would benefit from a more thorough application of evolutionary principles. When
	viewed from a Darwinian perspective, a pathogen is not simply a disease-causing
	agent, it is a self-replicating organism driven by evolutionary pressures to pass on
	as many copies of itself as possible. In this context, so-called "cultural vectors"
	those aspects of human behavior and the human environment that allow spread of
	disease from immobilized peoplebecome more important than ever.
	Interventions to control diseases don't simply hinder their spread but can cause
	pathogens and the diseases they engender to evolve into more benign forms. In
	fact, the union of health science with evolutionary biology offers an entirely new
	dimension to policy making, as the possibility of determining the future course of
	many diseases becomes a reality. By presenting the first detailed explanation of an
	evolutionary perspective on infectious disease, the author has achieved a genuine
	milestone in the synthesis of health science, epidemiology, and evolutionary
	biology. Written in a clear, accessible style, it is intended for a wide readership
	among professionals in these fields and general readers interested in science and
	health.
Title:	Why We Get Sick: The New Science of Darwinian Medicine
	By: Randolph M. Nesse and George C. Williams
	ISBN: 978-0679746744
☐ Required	Is our tendency to "fix" our bodies with medicine keeping them from working
	exactly as they're supposed to? Two pioneers of the emerging science of Darwinian
☐ Recommended	medicine argue that illness is part and parcel of the evolutionary system and as
	such, may be helping us to evolve towards better adaptation to our environment.
	and the second s