

Infectious Disease Epidemiology: Theory and Practice

by

Kenrad E. Nelson



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Synopsis

This comprehensive volume is recognized as the most authoritative review of the epidemiology of infectious disease. Divided into five sections that cover methods in infectious disease epidemiology, airborne transmission, diarrheal diseases, blood and body fluid as a reservoir of infectious diseases, vector-borne and parasite disease, the book includes 'state-of-the-art' chapters on methodological issues, pathogenesis, and comprehensive reviews of virtually all known infectious diseases. New to the Third Edition: 1. All chapters updated with significant new information 2. HIV chapter completely updated including results of trials of Male Circumcision, HIV-vaccines, female condoms, Microbicides and new drugs 3. New chapter on Infectious Disease Eradication (e.g. Smallpox, Polio, Measles) 4. New chapter on Pneumococcal Disease (with material on *S. pneumonia* moved from the ARI and Vaccine chapters) 5. Influenza chapter updated with new material on H1/N1 and control/prevention of Influenza during a pandemic 6. Consolidation of material from the chapters on Outbreaks and Surveillance. 7. Nosocomial Infection chapter is shortened and updated with a new section on nosocomial/community MRSA 8. Malaria chapter updated with new information on bed nets, prophylactic therapy of pregnant women and other high risk populations as well as new detailed examination of the organization, implementation, and accomplishments of the WHO—Roll-Back Malaria program; and a new description of the 5th Human Malaria parasite—*P.knowlesi* and its Epidemiology. 9. STD chapter is updated with new information on the rapid diagnosis of STDs using urine PCR-methods as well as new information on partner prophylactic treatment of STDs 10. New information in Chickengunya virus, Enterovirus 71, Nipah and Hendra virus infections to the Emerging infections chapter. 11. Hepatitis chapter is revised with new information on HEV virus 12. New brief chapter discussing the various models of behavioral change that are useful in Infectious Diseases research—e.g. Health Belief model etc. N

Sort review

About the Author Kenrad E. Nelson, MD, is Professor of Epidemiology and Medicine at the Bloomberg School of Public Health and School of Medicine at Johns Hopkins University. He is the former director of the Infectious Disease Program in the Department of Epidemiology at the Bloomberg School of Public Health and is the author of numerous publications on the epidemiology of HIV, hepatitis, and infectious diseases. Carolyn Masters Williams, MPH, PhD is Chief of the Epidemiology Branch, Basic Science Program, Division of AIDS, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Maryland. She is an Epidemiologist with an interest in the epidemiology and prevention of HIV and AIDS and their associated infections. Her current experience is with multi-center clinical trials of the prevention of HIV and AIDS.

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Epidemiology: Beyond the Basics
Essentials of Environmental Health (Essential Public Health)

What people say about this book

COEpiStudent, "... a master's in epidemiology and this may be the best epidemiology textbook I've read. I'm one class away from finishing a master's in epidemiology and this may be the best epidemiology textbook I've read. The authors are clearly passionate about the topic and convey a tremendous amount of information while engaging the reader. The only area that I thought was neglected was maternal/child transmission of infectious diseases. Although this was somewhat covered in the subchapters on specific diseases, a full chapter related to the maternal immune system changes during pregnancy, the role of the placenta in preventing or failure to prevent infection of the fetus, and other considerations unique to pregnancy would be welcome. This edition was released in 2014, before the Zika epidemics hit, so I would expect that future editions would cover these topics in greater detail."

Justine Price, "The Gold Standard. I'm currently an MPH student concentrating in infectious disease epidemiology. This book was required for my first infectious disease epidemiology course, and it quickly became a favorite that I will cherish forever. The text is exceedingly detailed, with excellent and thorough descriptions, useful graphics, and chapters written by leading experts in the field. How many textbooks can you honestly say you'd enjoy curling up with and reading for pleasure? Most are dry and sleep-inducing, while Dr. Nelson's text is as engaging as it is informative. The scope is broad and deep. If you buy only one book on infectious disease epidemiology, make it this one. (But really, do yourself a favor and also buy Giesecke's Modern Infectious Disease Epidemiology and the APHA's Control of Communicable Diseases Manual; these three books were made for each other.)"

Lana, "Loved it!. I rented the textbook and I had no problems with it - it's the normal used book you'd buy at a bookstore. I didn't open the online companion it had since I was only rented it - but it has it! :) No highlights and no writings"

David Stein, "excellent text. excellent and up to date. Easy to read and comprehensive. Material is well organized and appears to be devoid of bias. An excellent addition to my public health library."

D. Woods, "Excellent. I was a little worried that the book would make it here early enough for me to use it for class, but it did. The book came way before time and was in perfect condition just as described by the seller. Would purchase from again."

Robert C Orellana, "In-depth and comprehensive review of infectious disease. In-depth and comprehensive overview of infectious disease epidemiology. At the end of each chapter, the author provides a plethora of references relevant to the information cited. A great reference for beginner and experienced ID epidemiologist alike. I highly recommend."

Ebook Library Reader, "Just as advertised. Book in good condition."

Olisaemeka Idigo, "Infectious disease epidemiology broken down. The book thoroughly covers all the important infectious diseases and their epidemiology. Rookies may find it a bit complex but with a little determination, it should become quite easy to comprehend."

Kalina Abrol, "Five Stars. Very interesting book"

The book by Kenrad E. Nelson has a rating of 5 out of 4.5. 51 people have provided feedback.

Book Information

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