

# Epidemiology Gordis Fourth Edition

**Essentials of Biostatistics in Public Health, Second Edition provides a fundamental and engaging background for students learning to apply and appropriately interpret biostatistics applications in the field of public health. Many examples are drawn directly from the author's remarkable clinical experiences with the renowned Framingham Heart Study, making this text practical, interesting, and accessible for those with little mathematical background. The examples are real, relevant, and manageable in size so that students can easily focus on applications rather than become overwhelmed by computations."**

**This popular book examines the underlying concepts and applications of epidemiology. Preceded by Foundations of epidemiology / revised by David E. Lilienfeld, Paul D. Stolley. 3rd ed. 1994.**

**Written by an internationally-recognized expert in the field of quality management, this text is an essential guide for understanding how to plan and implement a successful quality measurement program in your healthcare facility. It begins by presenting an overview of the context for quality measurement, the forces influencing the demand for quality reform, how to listen to the voice of the customer, and the characteristics of quality that customers value most. Students will also learn how to select and**

**define indicators to collect data and how to organize data into a dashboard that can provide feedback on progress toward quality measurement. Finally, this book explores how to analyze the data by detailing how variation lives in your data, and whether this variation is acceptable.**

**Biostatistics and Epidemiology**

**Gordis Epidemiology**

**Health Program Planning and Evaluation: A Practical, Systematic Approach for Community Health**

**Epidemiology and Control**

**From Global to Local**

Environmental health practitioners worldwide are frequently presented with issues that require further investigating and acting upon so that exposed populations can be protected from ill-health consequences. These environmental factors can be broadly classified according to their relation to air, water or food contamination. However, there are also work-related, occupational health exposures that need to be considered as a subset of this dynamic academic field. This book presents a review of the current practice and emerging research in the three broadly defined domains, but also provides reference for new emerging technologies, health effects associated with particular exposures and environmental justice issues. The contributing authors themselves display a range of backgrounds and they present a developing as well as a developed world perspective. This book will assist environmental health professionals to develop best practice protocols for monitoring a range of environmental exposure scenarios.

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The bestselling environmental health text, with all new coverage of key topics *Environmental Health: From Global to Local* is a comprehensive introduction to the subject, and a contemporary, authoritative text for students of public health, environmental health, preventive medicine, community health, and environmental studies. Edited by the former director of the CDC's National Center for Environmental Health and current dean of the School of Public Health at the University of Washington, this book provides a multi-faceted view of the topic, and how it affects different regions, populations, and professions. In addition to traditional environmental health topics—air, water, chemical toxins, radiation, pest control—it offers remarkably broad, cross-cutting coverage, including such topics as building design, urban and regional planning, energy, transportation, disaster preparedness and response, climate change, and environmental psychology. This new third edition maintains its strong grounding in evidence, and has been revised for greater readability, with new coverage of ecology, sustainability, and vulnerable populations, with integrated coverage of policy issues, and with a more global focus. Environmental health is a critically important topic, and it reaches into fields as diverse as communications, technology, regulatory policy, medicine, and law. This book is a well-rounded guide that addresses the field's most pressing concerns, with a practical bent that takes the material beyond theory. Explore the cross-discipline manifestations of environmental health Understand the global ramifications of population and climate change Learn how environmental issues affect health and well-being closer to home Discover how different fields incorporate environmental health perspectives The first law of ecology reminds is that

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'everything is connected to everything else.' Each piece of the system affects the whole, and the whole must sustain us all for the long term. Environmental Health lays out the facts, makes the connections, and demonstrates the importance of these crucial issues to human health and well-being, both on a global scale, and in our homes, workplaces, and neighborhoods.

Preceded by: Chronic disease epidemiology and control / [edited by] Patrick L. Remington, Ross C. Brownson, Mark V. Wegner. 3rd ed. c2010.

Successfully tested in the authors' courses at Boston University and Harvard University, this text combines theory and practice in presenting traditional and new epidemiologic concepts.

Broad in scope, the text opens with five chapters covering the basic epidemiologic concepts and data sources. A major emphasis is placed on study design, with separate chapters devoted to each of the three main analytic designs: experimental, cohort, and case-control studies. Full chapters on bias, confounding, and random error, including the role of statistics in epidemiology, ensure that students are well-equipped with the necessary information to interpret the results of epidemiologic studies. An entire chapter is also devoted to the concept of effect measure modification, an often-neglected topic in introductory textbooks. Up-to-date examples from the epidemiologic literature on diseases of public health importance are provided throughout the book. The Third Edition is a thorough update that offers: New examples, the latest references, and public health statistics. Nearly 50 new review questions. Updated discussion of certain epidemiologic methods. New figures depicting epidemiologic concepts."

An Introduction to Stata for Health Researchers, Fourth Edition

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Essentials of Health Policy and Law

Quality Health Care

A Guide to its Recognition, Prevention and Cure with Special Reference to Developing Countries

This popular book is written by the award-winning teacher, Dr. Leon Gordis of the Bloomberg School of Public Health at Johns Hopkins University. He introduces the basic principles and concepts of epidemiology in clear, concise writing and his inimitable style. This book provides an understanding of the key concepts in the following 3 fully updated sections: Section I: The Epidemiologic Approach to Disease and Intervention; Section II: Using Epidemiology to Identify the Causes of Disease; Section III: Applying Epidemiology to Evaluation and Policy. Clear, practical graphs and charts, cartoons, and review questions with answers reinforce the text and aid in comprehension. Utilizes new full-color format to enhance readability and clarity. Provides new and updated figures, references and concept examples to keep you absolutely current - new information has been added on Registration of Clinical Trials, Case-Cohort Design, Case-Crossover Design, and Sources and Impact of Uncertainty (disease topics include: Obesity, Asthma, Thyroid Cancer,

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Helicobacter Pylori and gastric/duodenal ulcer and gastric cancer, Mammography for women in their forties) - expanded topics include Person-time. Please note: electronic rights were not granted for several images in this product. Introduces both the underlying concepts as well as the practical uses of epidemiology in public health and in clinical practice. Systemizes learning and review with study questions in each section and an answer key and index. Illustrates textual information with clear and informative full-color illustrations, many created by the author and tested in the classroom.

Epidemiology, by award-winning educator and epidemiologist Leon Gordis, is a best-selling introduction to this complex science. Dr. Gordis leverages his vast experience teaching this subject in the classroom to introduce the basic principles and concepts of epidemiology in a clear, uniquely memorable way. He guides you from an explanation of the epidemiologic approach to disease and intervention, through the use of epidemiologic principles to identify the causes of disease, to a discussion of how epidemiology should be used to improve evaluation and public policy. It ' s your best choice for an accessible yet rich understanding of epidemiology! Gain a solid foundation of

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basic epidemiologic principles as well as practical applications in public health and clinical practice. Visualize concepts vividly through abundant full-color figures, graphs, and charts. Check your understanding of essential information with 120 multiple-choice epidemiology self-assessment questions. Master the latest nuances in epidemiology thanks to a wealth of new and updated illustrations, examples, and epidemiologic data. From the Department of Epidemiology at Johns Hopkins University and continuing in the tradition of award-winning educator and epidemiologist Dr. Leon Gordis, comes the fully revised 6th Edition of Gordis Epidemiology. This bestselling text provides a solid introduction to basic epidemiologic principles as well as practical applications in public health and clinical practice, highlighted by real-world examples throughout. New coverage includes expanded information on genetic epidemiology, epidemiology and public policy, and ethical and professional issues in epidemiology, providing a strong basis for understanding the role and importance of epidemiology in today's data-driven society. Covers the basic principles and concepts of epidemiology in a clear, uniquely memorable way, using a wealth of full-color figures, graphs, charts, and cartoons to help

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you understand and retain key information. Reflects how epidemiology is practiced today, with a new chapter organization progressing from observation and developing hypotheses to data collection and analyses. Features new end-of-chapter questions for quick self-assessment, and a glossary of genetic terminology. Provides more than 200 additional multiple-choice epidemiology self-assessment questions online. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

The thoroughly revised and updated Third Edition of the acclaimed Modern Epidemiology reflects both the conceptual development of this evolving science and the increasingly focal role that epidemiology plays in dealing with public health and medical problems. Coauthored by three leading epidemiologists, with sixteen additional contributors, this Third Edition is the most comprehensive and cohesive text on the principles and methods of epidemiologic research. The book covers a broad range of concepts and methods, such as basic measures of disease frequency and associations, study design, field methods, threats to validity, and assessing precision. It also covers advanced topics in data analysis such as Bayesian

analysis, bias analysis, and hierarchical regression. Chapters examine specific areas of research such as disease surveillance, ecologic studies, social epidemiology, infectious disease epidemiology, genetic and molecular epidemiology, nutritional epidemiology, environmental epidemiology, reproductive epidemiology, and clinical epidemiology.

Basic Statistics and Epidemiology

Rheumatic Fever

Theory, Research, and Practice

Designing Clinical Research

Modern Epidemiology

Under the direction of new lead editors, Leiyu Shi and James A. Johnson, the new Third Edition of Public Health

Administration: Principles for Population-Based Management examines the many events, advances, and challenges in the United States and the world since the publication of the prior edition of the book. With contributions from experts in areas ranging from workforce to community-based prevention to emergency preparedness, this timely and thorough revision offers detailed, comprehensive coverage of current, relevant issues for students as well as practicing public health administrators. This edition also addresses new perspectives of evidence-

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based public health, systems thinking, accountable care organizations, social entrepreneurship, integrated information management, disaster preparedness and response, and social media. New to this Edition: \* New team of seasoned co-editors, Leiyu Shi and James A. Johnson.\*

Streamlined chapters with new chapter objectives and discussion questions to enhance the classroom experience for students. \* New chapters on public health policy, social determinants of health, public health systems research, social marketing, social entrepreneurship for public health, and global health.\* New student Navigate Companion Website with interactive learning materials to engage students in learning. Instructor Resources: Instructor Manual, PowerPoint, Test Bank Student Resources: Companion Website

This book is written with the intention of sharing the basic knowledge of epidemiology with undergraduate students, academicians, medical health practitioners and allied health professionals. It is written in a lecture note format for easy understanding and as a guide to improve the understanding of epidemiology.

This edition is the most updated since its inception, is the essential text for students and professionals working in and

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around epidemiology or using its methods. It covers subject areas - genetics, clinical epidemiology, public health practice/policy, preventive medicine, health promotion, social sciences and methods for clinical research.

It has become commonplace to say that the decline of rheumatic fever in Europe and North America has little, if any thing, to do with medicine; but to conclude that efforts to control the disease are futile would be an error leading to what could be termed public health malpractice. The need for adequate treatment of patients suffering from acute rheumatic fever or chronic rheumatic valvular heart disease is obvious; but control also means prevention, and here, too, the need is obvious, if only to lighten the burden on health care, due especially to the treatment of patients with advanced forms of the disease. The feasibility of and justification for rheumatic fever control programmes in developing countries has been often questioned. A co-operative study co-ordinated by the World Health Organization has now demonstrated that systematic prevention of rheumatic fever recurrences not only benefits the patients concerned but also has economic advantages. Primary prevention by

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systematic penicillin treatment of all streptococcal throat infections is at present beyond the reach of many health care systems, and anti-streptococcal vaccination is still in the research phase. The mainstay of the combat against rheumatic heart disease thus remains RHEUMATIC FEVER secondary prevention – the long-term monthly administration of penicillin injections to identified patients. This requires, among other things, that penicillin be available. Epidemiology, Biostatistics, and Preventive Medicine

An Introduction

A Primer for Health Professionals  
High-Yield Biostatistics, Epidemiology, and Public Health

Epidemiology and the People's Health

***This second edition of Epidemiologic Methods offers a rigorous introduction to the concepts and tools of epidemiologic research. Aimed chiefly at future epidemiologists, the book offers clear descriptions, practical examples, and question/answer sections for each of the science's key concepts. Authored by two award-winning epidemiology instructors, this book is ideally suited for use as a text in a graduate-level course sequence in epidemiologic methods. The book's chapters***

***are organized around three main themes: general concepts and tools of epidemiology; major study designs; and special topics, including screening, outbreak investigations, and use of epidemiology to evaluate policies and programs. With additional exercises at the end of each chapter and expanded attention to topics such as confounding, this new edition of Epidemiologic Methods is an indispensable resource for the next generation of epidemiologic study.***

***Given the prominent role played by policy and law in the health of all Americans, the aim of this book is to help readers understand the broad context of health policy and law. The essential policy and legal issues impacting and flowing out of the health care and public health systems, and the way health policies and laws are formulated. Think of this textbook as an extended manual.introduutory, concise, and straightforward.to the seminal issues in U.S. health policy and law, and thus as a jumping off point for discussion, reflection, research, and analysis.***

***Epidemiology, by award-winning educator and epidemiologist Leon Gordis, is a best-selling introduction to this complex science. Dr. Gordis leverages his vast experience teaching this subject in the classroom to***

***introduce the basic principles and concepts of epidemiology in a clear, uniquely memorable way. He guides you from an explanation of the epidemiologic approach to disease and intervention, through the use of epidemiologic principles to identify the causes of disease, to a discussion of how epidemiology should be used to improve evaluation and public policy. It's your best choice for an accessible yet rich understanding of epidemiology! Gain a solid foundation of basic epidemiologic principles as well as practical applications in public health and clinical practice. Visualize concepts vividly through abundant full-color figures, graphs, and charts. Check your understanding of essential information with 320 multiple-choice epidemiology self-assessment questions (120 inside the book plus 200 more online). Access the complete contents online at Student Consult, including over 200 additional multiple-choice epidemiology self-assessment questions not found in the book, with answers to all questions as well as full rationales explaining why every answer is correct or incorrect. Master the latest nuances in epidemiology thanks to a wealth of new and updated illustrations, examples, and epidemiologic data. Over the last decade, several large-scale***

***United States and international programs have been initiated to incorporate advances in molecular and cellular biology, -omics technologies, analytical methods, bioinformatics, and computational tools and methods into the field of toxicology. Similar efforts are being pursued in the field of exposure science with the goals of obtaining more accurate and complete exposure data on individuals and populations for thousands of chemicals over the lifespan; predicting exposures from use data and chemical-property information; and translating exposures between test systems and humans. Using 21st Century Science to Improve Risk-Related Evaluations makes recommendations for integrating new scientific approaches into risk-based evaluations. This study considers the scientific advances that have occurred following the publication of the NRC reports Toxicity Testing in the 21st Century: A Vision and a Strategy and Exposure Science in the 21st Century: A Vision and a Strategy. Given the various ongoing lines of investigation and new data streams that have emerged, this publication proposes how best to integrate and use the emerging results in evaluating chemical risk. Using 21st Century Science to Improve Risk-Related Evaluations considers whether a***

***new paradigm is needed for data validation, how to integrate the divergent data streams, how uncertainty might need to be characterized, and how best to communicate the new approaches so that they are understandable to various stakeholders.***

***Introduction To Epidemiology***

***A Practical Guide***

***Lecture Notes on Epidemiology***

***A Dictionary of Epidemiology***

***Health Behavior and Health Education***

The new edition of this popular textbook remains a clear and practical introduction to epidemiology for students in all areas of health. By emphasising the role of epidemiology across a broad range of health monitoring and research, it gives students an understanding of the fundamental principles common to all areas of epidemiology. It also integrates the study of infectious and chronic diseases as well as public health and clinical epidemiology. Avoiding complex mathematics, it steps through the methods and potential problems underlying health data and reports, while maintaining a balance of rigour and clarity. The nuts-and-bolts of epidemiology are embedded in the wider international health perspective through recent and classical examples across different areas of health to engage students from a range of backgrounds. Concepts are illustrated with charts and graphs, and end-of-chapter questions test understanding (with

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answers provided). Online resources include further exercises, slides for teaching and useful weblinks.

High-Yield™ Biostatistics, Epidemiology, and Public Health, Fourth Edition provides a concise review of the biostatistics concepts that are tested in the USMLE Step 1.

Information is presented in an easy-to-follow format, with High-Yield Points that help students focus on the most important USMLE Step 1 facts. The High-Yield™ outline format, with tables, diagrams, photographs, and images to clarify important material, provides a concentrated, efficient review for both course exams and the USMLE.

This concise, conceptually rich, and accessible book is a rallying cry for a return to the study and discussion of epidemiologic theory: what it is, why it matters, how it has changed over time, and its implications for improving population health and promoting health equity. By tracing its history and contours from ancient societies on through the development of--and debates within--contemporary epidemiology worldwide, Dr. Krieger shows how epidemiologic theory has long shaped epidemiologic practice, knowledge, and the politics of public health.

The Second Edition of Health Program Planning and Evaluation will help you to systematically develop, thoughtfully implement, and rigorously evaluate health programs across a variety of health

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disciplines. This thorough revision includes updated examples and references throughout, reflecting the major changes within the field. This outstanding resource prepares students and professionals to become savvy consumers of evaluation reports and prudent users of evaluation consultants. It presents practical tools and concepts in language suitable for both the practicing and novice health program planner and evaluator.

Basic Epidemiology

Epidemiologic Methods

Reference Manual on Scientific Evidence

Theory and Context

Essentials of Epidemiology in Public Health

*You'll find the latest on healthcare policy and financing, infectious diseases, chronic disease, and disease prevention technology. Basic epidemiology provides an introduction to the core principles and methods of epidemiology, with a special emphasis on public health applications in developing countries. This edition includes chapters on the nature and uses of epidemiology; the epidemiological approach to defining and measuring the occurrence of health-related states in populations; the strengths and limitations of epidemiological study designs; and the role of epidemiology in evaluating the effectiveness and efficiency of health care. The book has a particular emphasis on modifiable environmental factors and encourages the application of epidemiology to the prevention of disease and the promotion*

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*of health, including environmental and occupational health.*

*Epidemiology Elsevier Health Sciences*

*Review: "Now in its Fourth Edition, this best-selling text offers comprehensive coverage of all the major topics in introductory epidemiology. With extensive treatment of the heart of epidemiology - from study designs to descriptive epidemiology to quantitative measures - this reader-friendly text is accessible and interesting to a wide range of beginning students in all health-related disciplines. A unique focus is given to real-world applications of epidemiology and the development of skills that students can apply in subsequent course work and in the field. The text is also accompanied by a complete package of instructor and student resources available through a companion Web site." --Jacket*

*Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health Studying the Occurrence of Illness*

*Epidemiology*

*Using 21st Century Science to Improve Risk-Related Evaluations*

*An Introduction for Students and Health Professionals*

Resources for teaching and learning are posted at [tinyurl.com/Glanz4e](http://tinyurl.com/Glanz4e) and [www.med.upenn.edu/hbhe4](http://www.med.upenn.edu/hbhe4). This fourth edition of the classic book, *Health Behavior and Health Education: Theory,*

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Research, and Practice provides a comprehensive, highly accessible, and in-depth analysis of health behavior theories that are most relevant to health education. This essential resource includes the most current information on theory, research, and practice at individual, interpersonal, and community and group levels. This edition includes substantial new content on current and emerging theories of health communication, e-health, culturally diverse communities, health promotion, the impact of stress, the importance of networks and community, social marketing, and evaluation.

Designing Clinical Research sets the standard for providing a practical guide to planning, tabulating, formulating, and implementing clinical research, with an easy-to-read, uncomplicated presentation. This edition incorporates current research methodology—including molecular and genetic clinical research—and offers an updated syllabus for conducting a clinical research workshop. Emphasis is on common sense as the main ingredient

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of good science. The book explains how to choose well-focused research questions and details the steps through all the elements of study design, data collection, quality assurance, and basic grant-writing. All chapters have been thoroughly revised, updated, and made more user-friendly.

Across the last forty years, epidemiology has developed into a vibrant scientific discipline that brings together the social and biological sciences, incorporating everything from statistics to the philosophy of science in its aim to study and track the distribution and determinants of health events. A now-classic text, the second edition of this essential introduction to epidemiology presents the core concepts in a unified approach that aims to cut through the fog and elucidate the fundamental concepts. Rather than focusing on formulas or dogma, the book presents basic epidemiologic principles and concepts in a coherent and straightforward exposition. By emphasizing a unifying set of ideas, students will develop a strong

foundation for understanding the principles of epidemiologic research. also occurs. New outbreaks of yellow fever have occurred in Colombia and Trinidad and new outbreaks of rift valley fever have occurred in Egypt. Chapter 6, Arenaviruses: The biochemical and physical properties have now been clarified, and they show a remarkable uniformity in the various viruses constituting the group. The possibility that prenatal infection with LCM may result in hydrocephalus and chorioretinitis has been raised. Serologic surveys have suggested the existence of Lassa virus infection in Guinea, Central African Empire, Mali, Senegal, Cameroon, and Benin, in addition to earlier identification in Nigeria, Liberia, and Sierra Leone. Chapter 7, Coronaviruses: New studies have confirmed the important role of these viruses in common respiratory illnesses of children and adults. The viruses are now known to contain a single positive strand of RNA. About 50% of corona virus infections result in clinical illness. About 5% of common colds are caused by strain DC 43 in

winter. Chapter 8, Cytomegalovirus: Sections on pathogenesis of CMV in relation to organ transplantation and mononucleosis, as well as sections on the risk and features of congenital infection and disease, have been expanded. There are encouraging preliminary results with a live CMV vaccine, but the questions of viral persistence and oncogenicity require further evaluation.

High-yield Biostatistics

Environmental Health

Chronic Disease Epidemiology,

Prevention, and Control

Viral Infections of Humans

Lilienfeld's Foundations of  
Epidemiology

Dictionary making never ends because languages are always changing. Widely used throughout the world, this book will continue to serve as the standard English-language dictionary of epidemiology and many from related fields such as biostatistics, infectious disease control, health promotion, genetics, clinical epidemiology, health economics, and medical ethics. The definitions are clear and concise, but there is space for some brief essays and discussions of the provenance of important terms. Sponsored by the International Epidemiological Association, the dictionary represents the consensus of epidemiologists in many different countries. All the

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definitions were reviewed repeatedly by an international network of contributors from every major branch of epidemiology. They are authoritative without being authoritarian. The Fourth Edition contains well over 150 new entries and substantial revisions of about the same number of definitions, plus a dozen new illustrations. Many of the new terms relate to methods used in environmental and clinical epidemiology.

Succinct yet thorough, *Epidemiology, Biostatistics, and Preventive Medicine, 3rd Edition* brings you today's best knowledge on epidemiology, biostatistics, preventive medicine, and public health -- in one convenient source. You'll find the latest on healthcare policy and financing infectious diseases chronic disease and disease prevention technology. This text also serves as an outstanding resource for preparing for the USMLE, and the American Board of Preventive Medicine recommends it as a top review source for its core specialty examination.

This book is specifically designed to expand reader knowledge while avoiding complex statistical formulations. Emphasizing the quantitative issues of epidemiology, this book focuses on study design, measures of association, interaction, research assessment, and other methods and practice. The Second Edition takes readers who have a good understanding of basic epidemiological principles through more rigorous discussions of concepts and methods.

*An Introduction to Stata for Health Researchers, Fourth Edition* methodically covers data management, simple description and analysis, and more advanced analyses often used in health research, including

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regression models, survival analysis, and evaluation of diagnostic methods. A chapter on graphics explores most graph types and describes how to modify the appearance of a graph before submitting it for publication. The authors emphasize the importance of good documentation habits to prevent errors and wasted time. Demonstrating the use of strategies and tools for documentation, they provide robust examples and offer the datasets for download online. Updated to correspond to Stata 13, this fourth edition is written for both Windows and Mac users. It provides improved online documentation, including further reading in online manuals.

Essentials of Biostatistics in Public Health  
Epidemiology for Public Health Practice  
Emerging Issues and Practice  
Epidemiology E-Book  
Essential Epidemiology

This straightforward primer in basic statistics emphasises its practical use in epidemiology and public health, providing an understanding of essential topics such as study design, data analysis and statistical methods used in the execution of medical research.

Biostatistics and Epidemiology/A Primer for Health Professionals offers practical guidelines and gives a concise framework for research and interpretation in the field. In addition to major sections covering

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statistics and epidemiology, the book includes a comprehensive exploration of scientific methodology, probability, and the clinical trial. The principles and methods described in this book are basic and apply to all medical subspecialties, psychology and education. The primer will be especially useful to public health officials and students looking for an understandable treatment of the subject.

Novick & Morrow's Public Health Administration  
Basic & Clinical Biostatistics