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study and track the distribution and determinants of health events.

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50 Epidemiology: An Introduction We can also measure the effect of breast-feeding on diarrhea risk in relative terms. The RR is $0.86/0.44 = 1.96$. The relative effect is $1.96 - 1$, or 0.96, which would be expressed as a 96% greater risk of diarrhea among infants exposed to low antibody titers in the mother's breast milk.

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Finlay Dick, Epidemiology: An Introduction. Kenneth J. Rothman. Published by Oxford University Press, 2002. ISBN: 0-19-513554-7. Price: £19:95 (paperback)., Occupational Medicine, Volume 54, Issue 5, August 2004, Page 362, <https://doi.org/10.1093/occmed/kqh066>

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Epidemiology: An Introduction Kenneth J. Rothman 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.

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Epidemiology: An Introduction provides the perspective of a thoughtful and influential epidemiologist on the fundamental elements of his discipline. The result is a book that some readers may find too theoretical (Rothman has said some have called it “philosophical” 3), and not sufficiently concrete.

Epidemiology: An Introduction : Epidemiology

In summary, Epidemiology: An Introduction is a superb addition to other publications that have appeared in the past decade (1, 5 – 10). The author has achieved the stated goal of providing a coherent overview of epidemiologic principles and concepts.

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Rothman chose a different approach: selectivity of subject matter. As a result, Epidemiology: An Introduction provides an exceptionally lucid overview of analytic epidemiology.... The mix of text, graphics, tables, and sidebars that is used throughout the book proves very useful in explicating important concepts such as confounding, interaction, study design, and biases, which may be challenging to the student in an introductory course....

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Epidemiology. : Kenneth J. Rothman. Oxford University Press, Feb 7, 2002 - Medical - 240 pages. 1 Review. In the past thirty years epidemiology has matured from a fledgling scientific field into a vibrant discipline that brings together the biological and social sciences, and in doing so draws upon disciplines ranging from statistics and survey sampling to the philosophy of science.

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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.

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.

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.

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

Harvard Medical School, Boston. Textbook for medical and public health students.

This accessible and clearly-structured book offers a comprehensive insight into the methods and principles of epidemiological study alongside an analysis of the broad context in which epidemiological work is undertaken. Chapters on sources of epidemiological data, on epidemiological study designs and on basic statistical measures for epidemiological studies are used to introduce the reader to the traditional underpinnings of epidemiological work. Attention then shifts to a wider canvas. Consideration is given to the critical reading of epidemiological research both as a way of demonstrating how different aspects of epidemiological study come together in published work and as the basis for a discussion of the centrality of epidemiological research in the development of evidence-based health care. The key facets of evidence-based health care are assessed. A more discursive and critical assessment of epidemiology is also presented in which attention is drawn to the need to develop alternative epidemiologies which draw on lay knowledge and recognise the socio-political context of factors influencing health status. The book concludes with a description of the everyday practice of epidemiology in a UK health authority context.

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-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

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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 BankStudent Resources: Companion Website

A (LONG OVERDUE) CAUSAL APPROACH TO INTRODUCTORY EPIDEMIOLOGY Epidemiology is recognized as the science of public health, evidence-based medicine, and comparative effectiveness research. Causal inference is the theoretical foundation underlying all of the above. No introduction to epidemiology is complete without extensive discussion of causal inference; what's missing is a textbook that takes such an approach. Epidemiology by Design takes a causal approach to the foundations of traditional introductory epidemiology. Through an organizing principle of study designs, it teaches epidemiology through modern causal inference approaches, including potential outcomes, counterfactuals, and causal identification conditions. Coverage in this textbook includes: · Introduction to measures of prevalence and incidence (survival curves, risks, rates, odds) and measures of contrast (differences, ratios); the fundamentals of causal inference; and principles of diagnostic testing, screening, and surveillance · Description of three key study designs through the lens of causal inference: randomized trials, prospective observational cohort studies, and case-control studies · Discussion of internal validity (within a sample), external validity, and population impact: the foundations of an epidemiologic approach to implementation science For first-year graduate students and advanced undergraduates in epidemiology and public health fields more broadly, Epidemiology by Design offers a rigorous foundation in epidemiologic methods and an introduction to methods and thinking in causal inference. This new textbook will serve as a foundation not just for further study of the field, but as a head start on where the field is going.

Epidemiology Matters offers a new approach to understanding and identifying the causes of disease -- and with it, how to prevent disease and improve human health. Utilizing visual explanations and examples, this text provides an accessible, step-by-step introduction to the fundamentals of epidemiologic study, from design to analysis. Across fourteen chapters, Epidemiology Matters teaches the individual competencies that underlie the conduct of an epidemiologic study: identifying populations; measuring exposures and health indicators; taking a sample; estimating associations between exposures and health indicators; assessing evidence for causes working together; assessing internal and external validity of results. With its consequentialist approach -- designing epidemiologic studies that aim to inform our understanding, and therefore improve public health -- Epidemiology Matters is an introductory text for the next generation of students in medicine and public health.

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