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Epidemiology in Medicine

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

Essential Epidemiology

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.

Jonas and Kovner's Health Care Delivery in the United States

How do we understand and also assess the health care of America? Where is health care provided? What are the characteristics of those institutions which provide it? Over the short term, how are changes in health care provisions affecting the health of the population, the cost of care, and access to care?. Health Care Delivery in the United States, now in a thoroughly updated and revised 9th edition, discusses these and other core issues in the field. Under the editorship of Dr. Kovner and with the addition of Dr. James Knickman, Senior VP of Evaluation, Robert Wood Johnson Foundation, leading thinkers and practitioners in the field examine how medical knowledge creates new healthcare services. Emerging and recurrent issues from wide perspectives of health policy and public health are also discussed. With an easy to understand format and a focus on the major core challenges of the

delivery of health care, this is the textbook of choice for course work in health care, the reference for administrators and policy makers, and the standard for in-service training programs.;chapter

Critical Appraisal of Epidemiological Studies and Clinical Trials

This book presents a logical system of critical appraisal, to allow readers to evaluate studies and to carry out their own studies more effectively. This system emphasizes the central importance of cause and effect relationships. Its great strength is that it is applicable to a wide range of issues, and both to intervention trials and observational studies. This system unifies the often different approaches used in epidemiology, health services research, clinical trials, and evidence-based medicine, starting from a logical consideration of cause and effect. The author's approach to the issues of study design, selection of subjects, bias, confounding, and the place of statistical methods has been praised for its clarity and interest. Systematic reviews, meta-analysis, and the applications of this logic to evidence-based medicine, knowledge-based health care, and health practice and policy are discussed. Current and often controversial examples are used, including screening for prostate cancer, publication bias in psychiatry, public health issues in developing countries, and conflicts between observational studies and randomized trials. Statistical issues are explained clearly without complex mathematics, and the most useful methods are summarized in the appendix. The final chapters give six applications of the critical appraisal of major studies: randomized trials of medical treatment and prevention, a prospective and a retrospective cohort study, a small matched case-control study, and a large case-control study. In these chapters, sections of the original papers are reproduced and the original studies placed in context by a summary of current developments.

Epidemiology and public health medicine

Translating the evidence from the bedside to populations This sixth edition of the best-selling Epidemiology, Evidence-based Medicine and Public Health Lecture Notes equips students and health professionals with the basic tools required to learn, practice and teach epidemiology and health prevention in a contemporary setting. The first section, 'Epidemiology', introduces the fundamental principles and scientific basis behind work to improve the health of populations, including a new chapter on genetic epidemiology. Applying the current and best scientific evidence to treatment at both individual and population level is intrinsically linked to epidemiology and public health, and has been introduced in a brand new second section: 'Evidence-based Medicine' (EBM), with advice on how to incorporate EBM principles into your own practice. The third section, 'Public Health', introduces students to public health practice, including strategies and tools used to prevent disease, prolong life, reduce inequalities, and includes global health. Thoroughly updated throughout, including new studies and cases from around the globe, key learning features include: Learning objectives and key points in every chapter Extended coverage of critical appraisal and data interpretation A brand new self-assessment section of SAQs and 'True/False' questions for each topic A glossary to quickly identify the meaning of key terms, all of which are highlighted for study and exam preparation Further reading suggestions on each topic Whether approaching these topics for the first time, starting a special study module or placement, or looking for a quick-reference summary, this book offers medical students, junior doctors, and public health students an invaluable collection of theoretical and practical information.

Epidemiology, Evidence-based Medicine and Public Health

Understand the role of epidemiology in clinical medicine for the best patient outcomes possible For nearly a quarter of a century, Medical Epidemiology has been the go-to text for understanding the principles and concepts of epidemiology and the relationship between population-based science and efficient patient care. It delivers the most current information on patterns of disease occurrence and risk factors – all clearly linked to clinical practice through the use of Health Scenarios in every chapter. This edition of Medical Epidemiology has been completely rewritten to reflect the transformative changes in the manner in which epidemiologic methods are being utilized in today's healthcare as well as the major shifts that have occurred at the policy level. New chapters have been added on many timely topics, including global health, social determinants of health, health inequalities, comparative effectiveness, quality of care, variations in care, and implementation science. Increased information about evaluating, summarizing, and using evidence for improved patient care and outcomes gives this edition an even greater clinical focus.

Medical Epidemiology: Population Health and Effective Health Care, Fifth Edition

This is the second edition of the first book to provide a complete picture of the design, conduct and analysis of observational studies, the most common type of epidemiologic study. Stressing sample size estimation, sampling, and measurement error, the authors cover the full scope of observational studies, describing cohort studies, case-control studies, cross-sectional studies, and epidemic investigation. The use of statistical procedures is described in easy-to-understand terms.

Methods in Observational Epidemiology

Epidemiology and public health medicine are now being given greater importance under the new curricula. This book provides an understanding of the basic principles involved and includes extensive self-testing material.

Epidemiology and Public Health Medicine

Methods, just as diseases or scientists, have their own history. It is important for scientists to be aware of the genesis of the methods they use and of the context in which they were developed. A History of Epidemiologic Methods and Concepts is based on a collection of contributions which appeared in "SPM International Journal of Public Health"

A History of Epidemiologic Methods and Concepts

Designing and Conducting Health Surveys is written for students, teachers, researchers, and anyone who conducts health surveys. This third edition of the standard reference in the field draws heavily on the most recent methodological research on survey design and the rich storehouse of insights and implications provided by cognitive research on question and questionnaire design in particular. This important resource presents a total survey error framework that is a useful compass for charting the dangerous waters between systematic and random errors that inevitably accompany the survey design enterprise. In addition, three new studies based on national, international, and state and local surveys—the UNICEF Multiple Indicator Cluster Surveys, California Health Interview Survey, and National Dental Malpractice Survey—are detailed that illustrate the range of design alternatives available at each stage of developing a survey and provide a sound basis for choosing among them.

Designing and Conducting Health Surveys

Recognized for its succinct and compelling discussion of epidemiology and its role in medicine. 4 STAR DOODY'S REVIEW! "This is a well-written, easy to read, well-illustrated primer, which medical students and others should read. A nice feature of the book is all key concepts are highlighted for emphasis, with summaries at the beginning and end of each chapter."--Doody's Review Service This book provides students with an overview of the principles and concepts of epidemiology and illustrates the complementary relationship between population-based science and the care of patients Thoroughly updated, this new edition features epidemiologic implications of bio-terrorism, "Patient Profiles" within each chapter, and USMLE clinical vignettes within the "Study Question" section of each chapter.

Medical Epidemiology

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.

Epidemiology

First Prize in Public health in the 2017 BMA Medical Book Awards Public Health and Epidemiology at a Glance is a highly visual introduction to the key concepts and major themes of population health. With comprehensive coverage of all the core topics covered at medical school, it helps students understand the determinants of health and their study, from personal lifestyle choices and behaviour,

to environmental, social and economic factors. This fully updated new edition features: • More coverage of audit and quality improvement techniques • Brand new sections on maternal and child health, and health of older people • New chapters on social determinants of health and guideline development • Expanded self-assessment material This accessible guide is an invaluable resource for medical and healthcare students, junior doctors, and those preparing for a career in epidemiology and public health

Public Health and Epidemiology at a Glance

This is an accessible, easily readable, and modern introduction to epidemiology for students of medicine and public health. It combines a strong public health perspective and rationale with modern methodological insights in a coherent and straight forward way. It emphasises the fundamental principles common to all areas of epidemiology and, unlike many other texts, integrates both public health and clinical epidemiology and the study of infectious and chronic diseases. It aims to give health professionals a good understanding of the methods and potential problems underlying epidemiological data and reports but also provides a thorough introduction for would-be epidemiologists. The 'nuts and bolts' of epidemiology are embedded in the wider health perspective and the concluding chapter explores future possibilities and emphasises the integration of the various strands of the discipline. The basic messages are reinforced through numerous examples and questions, with answers provided.

Essential 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. Discusses the financial concerns and the use and limitations of screening in the prevention of symptomatic disease. Emphasizes the application of epidemiologic and biostatistical concepts to everyday clinical problem solving and decision making. Showcases important concepts and calculations inside quick-reference boxes. Presents abundant illustrations and well-organized tables to clarify and summarize complex concepts. Includes 350 USMLE-style questions and answers, complete with detailed explanations about why various choices are correct or incorrect. This book comes with STUDENT CONSULT at no extra charge! Register at www.studentconsult.com today...so you can learn and study more powerfully than ever before! Access the complete contents of the book online, anywhere you go...perform quick searches...and add your own notes and bookmarks. Follow Integration Links to related bonus content from other STUDENT CONSULT titles—to help you see the connections between diverse disciplines. Reference all other STUDENT CONSULT titles you own online, too—all in one place! Look for the STUDENT CONSULT logo on your favorite Elsevier textbooks! Includes the latest information on Bovine Spongiform Encephalopathy (BSE) · SARS · avian form of H5N1 influenza · the obesity epidemic · and more.

Jekel's Epidemiology, Biostatistics and Preventive Medicine E-Book

This book marks the 50th anniversary of the foundation of the International Epidemiological Association (IEA). It is a unique compendium by the world's leading epidemiologists of how the field has developed, and how it can be (and has been) applied to the control of common conditions and threats to public health. Five distinct sections guide the reader through the wealth of material: · Gives an historical account of the concepts and ideas, and current importance of epidemiology to global health issues and to organisations such as the WHO. · Illustrates the advances and contributions to epidemiologic knowledge and the control of disease in specific areas such as cancer, cardiovascular disease, respiratory disease, tuberculosis, maternal and child health, non-biologic disorders such as war and disasters, and new infectious diseases. · Outlines the use of epidemiology in areas such as public health, health services, occupational and environmental medicine, social epidemiology and nutrition. · Discusses methodological developments such as statistics, information sources, investigation of disease outbreaks and clinical epidemiology. · Looks at how the subject has developed internationally, with perspectives on regions such as the Americas, Poland, Spain, Eastern Mediterranean, New Zealand, China, Thailand and Japan. This remarkable insight into how epidemiology has developed is essential reading for both existing and aspiring epidemiologists.

The Development of Modern Epidemiology

You'll find the latest on healthcare policy and financing, infectious diseases, chronic disease, and disease prevention technology.

Epidemiology, Biostatistics, and Preventive Medicine

Epidemiology is the study of the distribution and causation of disease in human populations. It has always been part of the curriculum for medical students, but not ranked highly by them in terms of interest or importance. However, recent GMC recommendations for change in the UK medical curricula include an increase in emphasis in the study of epidemiology and public health medicine, so the subject is likely to take higher priority in the future. This new edition of one of the best known student textbooks of epidemiology has been updated and includes new material while still offering concise coverage of the core knowledge required by the student.

Epidemiology in Medical Practice

Having last year published “Up from Clinical Epidemiology & EBM” and also “Epidemiological Research: Terms and Concepts,” Miettinen now – this time with collaboration from his junior colleague I. Karp – brings out this further introduction into epidemiological research; and he is now working on an introduction into clinical research, for publication next year. It evidently is Miettinen's felt time to crystallize the basic understandings he has come to as the culmination of a half-century of concentrated effort to advance the theory of epidemiological and ‘meta-epidemiological clinical’ research. In accord with its title, this book focuses on research to develop the knowledge-base for preventive medicine, which mainly is knowledge about the causal origin – etiology, etiogenesis – of illness. It first illustrates how wanting this knowledge still is, despite much research; and it then aims to guide the reader to more productive etiogenetic research. This book places much emphasis on the need to assure relevance by principles-guided objects design for the studies, which now remains conspicuously absent from epidemiologists’ concerns. And as for methods design, this book exposes the fallacies in the still-common ‘cohort’ and ‘case-control’ studies, defines the essentials of all etiogenetic studies, and then addresses the true options for design in this framework of shared essentials. A good deal of attention is also given to the still commonly-held, very major, twin fallacies that screening for an illness is a preventive intervention, to be studied by randomized trials, and that research on it can imply rational guidelines or recommendations regarding decisions about the screening. While Miettinen already is regarded as ‘the father of modern epidemiology,’ he now appears to have become the father also of post-modern epidemiology, where ‘epidemiology’ still means epidemiological research.

Epidemiological Research: An Introduction

This text provides all the information required by students and junior doctors who need to understand and translate key epidemiological concepts into medical practice.

Clinical Epidemiology

What is epidemiology? What are the causes of a new disease? How can pandemics be prevented? Epidemiology is the study of the changing patterns of disease and its main aim is to improve the health of populations. It's a vital field, central to the health of society, to the identification of causes of disease, and to their management and prevention. Epidemiology has had an impact on many areas of medicine; from discovering the relationship between tobacco smoking and lung cancer, to the origin and spread of new epidemics. However, it is often poorly understood, largely due to misrepresentations in the media. In this Very Short Introduction Rodolfo Saracci dispels some of the myths surrounding the study of epidemiology. He provides a general explanation of the principles behind clinical trials, and explains the nature of basic statistics concerning disease. He also looks at the ethical and political issues related to obtaining and using information concerning patients, and trials involving placebos. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Oxford Handbook of Epidemiology for Clinicians

This book is meant for adoption in first courses on epidemiology in Medical Schools and Faculties of Public Health in developing and transition countries and in workshops in these countries, taught for

example by members of international organizations. It is also suitable for parallel or second reading within curricula in developed countries and for teaching epidemiology in a Master's programme on "International Health". The book will enable any lecturer to compose his or her introductory courses on epidemiology by selecting the material deemed appropriate. It will provide a solid foundation for more advanced teaching. The intended readership consists in the first place of general medical students; students following the programme "Preventive Physician" that runs parallel to general medical studies in some countries; students starting to specialize in Public Health; and lecturers in epidemiology. The book can also serve well as an introduction into epidemiology for anybody else interested in this field, for example staff of health institutions. Examples and practical work are taken from the present situation of health in Vietnam, which can easily be adapted to any other developing or transition country.

Epidemiology: A Very Short Introduction

Public Health

Epidemiology

This book takes a unique systems-based approach, allowing students to visualise the overall systemic effects of the disease process in its entirety.

Epidemiology in Health Services Management

Physical Activity Epidemiology, Second Edition, provides a comprehensive discussion of current population-level studies showing the influence of physical activity on disease. Updated with extensive new research collected in the eight years since the previous edition, the second edition adds the expertise of respected epidemiologist I-Min Lee. To assist readers in understanding the public health significance of physical activity, Dishman, Heath, and Lee present a detailed review of research findings and what those findings suggest regarding the relationship between physical activity and a variety of health risks. The second edition of this groundbreaking text has been exhaustively updated to reflect the wealth of new research published in this fast-moving field of study. With more than 100 pages of additional content, the text also offers more detailed coverage of all-cause and coronary heart disease mortality, expanded coverage of pathophysiology and biological plausibility, new information on physical activity among various racial-ethnic populations, and the effects of physical activity on cognitive function, dementia, and HIV/AIDS. More than 250 tables and figures, twice the number found in the previous edition, highlight the latest epidemiological information in an easy-to-understand visual format. Physical Activity Epidemiology, Second Edition, assists readers in understanding how leisure-time physical activity can enhance people's quantity and quality of life by summarizing the available knowledge, detailing the methods used to obtain it, considering its implications for public health, and outlining the important questions that remain. Readers will find comprehensive discussion of these topics:

- Evidence that physical activity protects against the development of coronary heart disease and stroke and premature death from all causes
- Population-based studies and clinical experiments providing evidence that physical activity and exercise play a role in the primary and secondary prevention of mild hypertension, dyslipidemia, and obesity
- Contemporary epidemiologic evidence that physical activity reduces the risk of type 2 diabetes and osteoporosis and protects against the development of breast and colon cancers, some inflammatory diseases, depression, and anxiety disorders
- Considerations in the promotion of a safe, physically active lifestyle among all segments of the population

Physical Activity Epidemiology, Second Edition, will engage and challenge students by examining the state of current research in all of its variation and even ambiguity. The text details the methodology and findings of classic and contemporary studies and then helps students begin to analyze the results. Special Strength of the Evidence sections found at the end of most chapters summarize the findings to determine the extent to which correlation and causation can be proven. Chapter objectives, chapter summaries, and sidebars in each chapter assist students in focusing on the key points of study, and an extensive glossary with detailed definitions provides a handy reference for review. Instructors will find a new image bank in this edition to enhance their class lecture materials. Physical Activity Epidemiology, Second Edition, offers students, sport and exercise scientists, health and fitness professionals, and public health administrators a comprehensive presentation of significant studies, how these studies contribute to understanding the relationship between activity and disease prevention, and how this information can be used in leading individuals, communities, and global society toward increased health and longevity.

Epidemiology and Prevention

The importance of epidemiology is being increasingly realised by healthcare practitioners who, traditionally, have focused their attention on the individual rather than populations. The development of successful multidisciplinary practice requires modern healthcare professionals to be flexible enough to absorb ideas from other disciplines, whilst retaining the ability to challenge concepts inconsistent with good practice. This book explores epidemiology, its knowledge base, ideology and practice.

Topics covered include: - Essential principles, concepts and research designs in epidemiology - The developing relationship between epidemiology and nursing - A critical appraisal of disease, illness, sickness and health - Healthcare statistics and their political and social dimensions - Epidemiology and healthcare planning - The application of epidemiology in nursing practice - Research evaluation and utilisation: the role of epidemiology

Physical Activity Epidemiology

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

Epidemiology, Nursing and Healthcare

This book presents a general overview of epidemiology, defining its role in medicine for medical and community health students. It should also be useful for students of nursing, dentistry and public health. Focusing on core principles and concepts, this book provides a study guide and reference, as well as a textbook. Topics covered include interpretation and calculation of basic epidemiological measures, recognizing the strengths and limitations of epidemiological study designs, the concepts of variability and bias and how to critically review epidemiological studies. patient profiles which help readers relate epidemiological topics to medical practice; clinical examples which show diverse settings in which epidemiologic methods can be employed; chapter end summaries of essential information; and exam-style multiple-choice questions for self assessment.

A Dictionary of Epidemiology

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 of health, including environmental and occupational health.

Medical Epidemiology

This classic, field-defining textbook, now in its sixth edition, provides the most comprehensive guidance available for anyone needing up-to-date information in pharmacoepidemiology. This edition has been fully revised and updated throughout and continues to provide a rounded view on all perspectives from academia, industry and regulatory bodies, addressing data sources, applications and methodologies with great clarity.

Basic Epidemiology

Taking a practical approach and supported by global examples from all areas of health, the new edition of this popular and highly commended textbook has been updated to reflect current epidemiological thinking and teaching. Based on feedback from teachers and students, material has been reordered to better suit courses and reflect the underlying logic and purpose of epidemiology. • Provides students with a rounded picture of the field by emphasizing the commonalities across different areas of epidemiology, including clinical epidemiology, and highlighting the key role of epidemiology in public health • Avoids complex mathematics by restricting this to optional material, thereby keeping the book accessible to students from non-quantitative backgrounds • Integrated and supplementary questions help students to reinforce concepts • A wealth of online material is available at www.cam-

bridge.org/essential_epidemiology, including additional questions, advanced material for key concepts, recommendations for further reading, links to useful websites and slides for teaching, supporting both students and teachers.

Pharmacoepidemiology

My conviction is that the matters addressed in this volume are of transcendental importance if we are to face up to the challenges of the 1990s and beyond. How, for instance, are we to cope with a truly ecological approach to public health and all its concomitant changes of risk groups worldwide unless there is a full appreciation of the population perspective throughout the health establishment? The global village has achieved a measure of interdependence requiring recognition by all concerned with the health of both individuals and communities that there is an urgent need to share our knowledge and deploy our resources in the best interests of people everywhere. The history of public health initiatives, the origins of epidemiology, and the tragic separation-virtually a divorce--of public health from medicine recounted in the chapters that follow argue strongly for an early rapprochement. Health professionals who complement each other's knowledge and skills can be reunited through their common reliance on epidemiology as a major fundamental science for the entire health enterprise. Henceforth, epidemiology should be ranked in importance with cellular and molecular biology, immunology, and the social and systems sciences; all are essential if we are to cope with the vast array of diseases and disorders that face us in both the developed and developing worlds. We need more first-rate laboratory scientists, clinicians, nurses, aides, village health workers, and managers committed to serving the public.

Essential Epidemiology

Epidemiology in Country Practice presents the development of the catarrhal jaundice and myalgia. It discusses the epidemiological and clinical observations of country doctors. It addresses the conditions of life of a country doctor. Some of the topics covered in the book are the appeal to improved medical research; methods of communicating medical research; techniques in acquisition of clinical data; types of diseases of the people living in the country; description of influenza, measles, scarlet fever, whooping-cough, and mumps; and diagnosis and behavior of chicken-pox and shingles. The description of sonne dysentery is fully covered. An in-depth account of the diagnosis, symptoms, and treatment of undulant fever are provided. The characteristic mononucleosis of glandular fever is completely presented. A chapter is devoted to the classification and description of different skin conditions. Another section is focus on the diagnosis of malignant disease. The book can provide useful information to doctors, students, and researchers.

Healing the Schism

'Clinical epidemiology' is now widely promoted and taught as a 'basic science' of Evidence-Based Medicine, of clinical EBM to be specific. This book, however, is mostly about that which Miettinen takes to be the necessary substitute for this now-so-fashionable subject – namely, Theory of Clinical Medicine together with its subordinate Theory of Clinical Research. The leit motif in all of this is Miettinen's perception of the need, and opportunity, to bring major improvements into clinical medicine in this Information Age, now that theoretical progress has made feasible the development of practice-guiding Expert Systems for it. Parts of this text constitute essential reading for whoever is expected, or otherwise inclined, to study – or teach – 'clinical epidemiology,' and the same is true of those who set policy for the education of future clinicians; but practically all of it is essential reading for future – and current – academics in the various disciplines of clinical medicine. After all, the text is the result of a concentrated effort, over a half-century no less, to really understand both clinical and community medicine and the research to advance the knowledge-base of these. Research epidemiologists, too, will find this text interesting and instructive.

Epidemiology in Country Practice

Sixth edition of the hugely successful, internationally recognised textbook on global public health and epidemiology, with 3 volumes comprehensively covering the scope, methods, and practice of the discipline

Up from Clinical Epidemiology & EBM

Ich möchte dem Studierenden helfen, sich ein geordnetes Wissen anzueignen, das bei neu beobachteten Phänomenen den Anknüpfungspunkt bietet, und das ihm ermöglicht, neu zu erwerbendes Wissen an seinen gehörigen "Ort" zu stellen. Karl Jaspers Dieses Buch ist für Studierende der Pharmazie im zweiten Studienabschnitt nach der in der Bundesrepublik Deutschland gültigen Approbationsordnung für Apotheker vom 23. 8. 1971 unter möglichst genauer Berücksichtigung des von Sachverständigen am Institut für Medizinische und Pharmazeutische Prüfungsfragen in Mainz erstellten Gegenstandskatalogs geschrieben. Das Buch erscheint in zwei Teilen, einem allgemeinen und einem speziellen (Heidelberger Taschenbücher, Band 205). Wohl auf keinem anderen Gebiet der pharmazeutischen Ausbildung haben sich die Lehrinhalte so stark verändert wie in der Biologie, was sich nicht zuletzt in der Namensänderung von früher Pharmakognosie in heute Pharmazeutische Biologie äußerlich dokumentiert. Die Biologie ist neben der Chemie das grundlegende Fach des pharmazeutischen Curriculums: Die Biologie legt den Grund zum Verständnis der Pharmakologie, und sie verbindet darüber hinaus die Pharmazie mit anderen medizinischen Fächern wie der Mikrobiologie, der Hygiene, der Immunologie und der Genetik (Humangenetik).

Oxford Textbook of Global Public Health

Over the past decades, epidemiology has made a relevant contribution to public health by identifying health problems and analysing their determinants. However, recent developments call for new and applied methods to support the planning, implementation and evaluation of public health policies and programmes. This book presents an integrated overview of such epidemiological methods, to be used within the joint working process of several public health disciplines. It provides relevant theories, concepts and tools, illustrated with practical examples in order to empower epidemiologists in public health. The first part of this book describes epidemiological history in a nutshell and explains the relationship with the public health domain. It closes with the presentation of a joint work cycle for policy, practice and research: the public health cycle. Part II presents seven steps for epidemiologists to strengthen their contribution to the public health cycle: conduct a needs assessment, support priority setting, formulate aims and objectives, construct a logic model, develop an evaluation plan, perform quality control and analyse processes and outcomes. Part III is dedicated to successful collaboration of epidemiology with other public health disciplines such as health promotion, policy making and primary health care. This book is meant for students and epidemiologists in public health practice. It was written by 19 Dutch authors with either longstanding experience or fresh enthusiasm. The editors are all active in the recently established Academic Collaborative Centres Public Health in the Netherlands, which aim to bridge the gap between policy, practice and research.

Uses of Epidemiology

Pharmazeutische Biologie