

Epidemiology For Public Health Practice

First published: Ethnicity, race and health in multicultural societies, 2007.

This text focuses on the specific knowledge in this field needed by medical students for their course work and for the USMLE Step I exam. It includes 10-12 questions in each chapter using the same format as the USMLE Step I exam, followed by explanations of the answers. With a clinical focus and real-life medical examples, this exam guide includes chapters on: the US public health system, health promotion and disease prevention goals for the year 2000, and the strengths and weaknesses of the US medical care system.

Health Protection: Principles and practice is a practical guide for practitioners working at all levels in public health and health protection, including those with a non-specialist background. It is the first textbook in health protection to address all three domains within the field (communicable disease control; emergency preparedness, resilience and response (EPRR); and environmental public health) in a comprehensive and integrated manner. Written by leading practitioners in the field, the book is rooted in a practice-led, all-hazards approach, which allows for easy real-world application of the topics discussed. The chapters are arranged in six sections, which begin with an in-depth introduction to the principles of health protection and go on to illuminate the three key elements of the field by providing: case studies and scenarios to describe common and important issues in the practice of health protection; health protection tools, which span epidemiology and statistics, infection control, immunisation, disease surveillance, and audit and service improvement; and evidence about new and emerging health protection issues. It includes more than 100 health protection checklists (SIMCARDS), covering infections from anthrax to yellow fever, non-infectious diseases emergencies and environmental hazards. Written from first-hand experience of managing communicable diseases these provide practical, stand-alone quick reference guides for in-practice use. Both the topical content of Health Protection: Principles and practice, and the clearly described health protection principles the book provides, makes it a highly relevant resource for wider public health and health protection professionals in this continually evolving field.

Designed for students and practitioners, Arlene Fink's practical book shows how to do evidence-based research in public health. As a great deal of evidence-based practice occurs online, Evidence Based Public Health Practice focuses on how to find, use and interpret online sources of public health information. It also includes examples of community-based participatory research and shows how to link data with community preferences and needs. Each chapter begins with specific learning objectives and concludes with practice exercises geared to the objectives. Each chapter also contains a list of key terms that are an essential part of an evidence-based public health practitioner's vocabulary. The book includes a comprehensive glossary, and hundreds of online and print references, examples, and charts.

Now in its third edition, Epidemiology for Public Health Practice provides a comprehensive look at all major topics, from study designs and descriptive epidemiology to quantitative measures and termin

The contents are not specifically nursing orientated but very neatly balanced to be of relevance to all working in the public health arena...the book is well written, the language is clear, and the concepts clearly and simply explained and easily understood Journal of Biosocial Science What are epidemiology and public health? What is the nature of public health evidence and knowledge? What strategies can be used to protect and improve health? The second edition of this bestselling book provides a multi-professional introduction to the key concepts in public health and epidemiology. It presents a broad, interactive account of contemporary public health, placing an emphasis on developing public health skills and stimulating the reader to think through the issues for themselves. The new edition features additional material on: Historical perspectives Public health skills for practice Evaluation of public health interventions The nature of evidence and public health knowledge Translating policy and evidence into practice An Introduction to Public Health and Epidemiology is key reading for students of public health and healthcare professionals, including: nurses, doctors, community development workers and public health workers.

Social justice has always been a core value driving public health. Today, much of the etiology of avoidable disease is rooted in inequitable social conditions brought on by disparities in wealth and power and reproduced through ongoing forms of oppression, exploitation, and marginalization. Tackling Health Inequities raises questions and provides a starting point for health practitioners ready to reorient public health practice to address the fundamental causes of health inequities. This reorientation involves restructuring the organization, culture and daily work of public health. Tackling Health Inequities is meant to inspire readers to imagine or envision public health practice and their role in ways that question contemporary thinking and assumptions, as emerging trends, social conditions, and policies generate increasing inequities in health.

This text provides an introduction to the social and behavioral sciences in public health, basic behavioral measurement methods, and basic knowledge of epidemiologic application in the area of social and behavioral science. The text will emphasize the relationship between behavior and disease, the determinants of behavior, and research methods for studying health and disease in relation to behavior. Epidemiological approaches to measurement, research design, and analytic methods will also be covered.

Learners will get an overview of the determinants of health and how health status is measured. Learners will also review the burden of disease, who is most affected by different disease burdens, risk factors, and key measures to address the burden of disease in cost-effective ways. Special attention will be paid throughout the text to health systems issues; specifically, those health care issues dealing with the most recent COVID-19 pandemic will be discussed in great detail and used as a prime example of public health

epidemiology in practice. The text will cover key concepts and frameworks while being practical in orientation. The text will be global in coverage but with a focus on low- and middle-income countries, the health of the poor, equity, and inequality. Moreover, this text examines how race, ethnicity, and health intersect. The text will explore the nature of racial and ethnic categories, the patterns of United States demography, and the role of social environmental factors such as social class, racial and spatial segregation, healthcare inequalities, and systemic racism in contributing to racial and ethnic inequalities in health. Additionally, the text will examine the fundamental social and behavioral theories that drive research and practice in public health. The text covers a number of social and behavioral theories commonly used in public health education interventions at the individual, group, and community levels. Lastly, learners will gain an increased awareness of the healthcare needs of our nation and existence of disparities in patient care and health quality among minority and rural underserved populations. Learners will be able to demonstrate competence in applying their knowledge to formulate possible solutions to close the gap between health disparities. Most importantly, learners will have a heightened awareness of the pivotal role they have to make a difference in the lives of the communities they belong to.

Natural disasters and cholera outbreaks. Ebola, SARS, and concerns over pandemic flu. HIV and AIDS. E. coli outbreaks from contaminated produce and fast foods. Threats of bioterrorism. Contamination of compounded drugs. Vaccination refusals and outbreaks of preventable diseases. These are just some of the headlines from the last 30-plus years highlighting the essential roles and responsibilities of public health, all of which come with ethical issues and the responsibilities they create. Public health has achieved extraordinary successes. And yet these successes also bring with them ethical tension. Not all public health successes are equally distributed in the population; extraordinary health disparities between rich and poor still exist. The most successful public health programs sometimes rely on policies that, while improving public health conditions, also limit individual rights. Public health practitioners and policymakers face these and other questions of ethics routinely in their work, and they must navigate their sometimes competing responsibilities to the health of the public with other important societal values such as privacy, autonomy, and prevailing cultural norms. This Oxford Handbook provides a sweeping and comprehensive review of the current state of public health ethics, addressing these and numerous other questions. Taking account of the wide range of topics under the umbrella of public health and the ethical issues raised by them, this volume is organized into fifteen sections. It begins with two sections that discuss the conceptual foundations, ethical tensions, and ethical frameworks of and for public health and how public health does its work. The thirteen sections that follow examine the application of public health ethics considerations and approaches across a broad range of public health topics. While chapters are organized into topical sections, each chapter is designed to serve as a standalone contribution. The book includes 73 chapters covering many topics from varying perspectives, a recognition of the diversity of the issues that define public health ethics in the U.S. and globally. This Handbook is an authoritative and indispensable guide to the state of public health ethics today.

By tracking the distribution of disease and pinpointing relevant risk factors, social epidemiology reveals how social problems are intrinsically linked to the health of populations. The practice also takes into account the psychosocial, biological, and medical determinants of disease and health, encouraging a rich and multidisciplinary approach to analyzing and solving complex contemporary social issues. This book provides a clear and comprehensive set of tools for practice. Julie Cwikel begins with an overview of the historical roots of public health and social medicine and shows how they formed the theoretical basis for current social epidemiological methods. Cwikel then explains the theoretical and programmatic tools social epidemiologists use in their research, program planning, and evaluation. In conclusion, Cwikel demonstrates how the SOCEPID model can be applied to a range of topics, including chronic illness, obesity, violence prevention, occupational health, sexually transmitted diseases (especially HIV), environmental hazards, and addressing the needs of vulnerable populations such as immigrants and trafficked women. With compelling authority, Cwikel shows readers how the exciting and growing field of social epidemiology is both practical and activist, drawing on cutting-edge empirical findings to conduct policymaking research and promote health at both the personal and population levels.

Basic Biostatistics is a concise, introductory text that covers biostatistical principles and focuses on the common types of data encountered in public health and biomedical fields. The text puts equal emphasis on exploratory and confirmatory statistical methods. Sampling, exploratory data analysis, estimation, hypothesis testing, and power and precision are covered through detailed, illustrative examples. The book is organized into three parts: Part I addresses basic concepts and techniques; Part II covers analytic techniques for quantitative response variables; and Part III covers techniques for categorical responses. The Second Edition offers many new exercises as well as an all new chapter on "Poisson Random Variables and the Analysis of Rates." With language, examples, and exercises that are accessible to students with modest mathematical backgrounds, this is the perfect introductory biostatistics text for undergraduates and graduates in various fields of public health. Features: Illustrative, relevant examples and exercises incorporated throughout the book. Answers to odd-numbered exercises provided in the back of the book. (Instructors may request answers to even-numbered exercises from the publisher. Chapters are intentionally brief and limited in scope to allow for flexibility in the order of coverage. Equal attention is given to manual calculations as well as the use of statistical software such as StaTable, SPSS, and WinPepi. Comprehensive Companion Website with Student and Instructor's Resources.

Since its first publication in 1996, Ethics and Epidemiology has been an invaluable resource for practicing public health professionals and MPH students around the world. This third edition presents an international perspective of prominent epidemiologists, ethicists, and legal scholars to address important ethical developments in epidemiology and related public health fields from the last decade, including the rise of public health ethics and the complex inter-relations between professional ethics in epidemiology, public

health ethics, and research ethics. Ethics and Epidemiology, Third Edition is organized topically and divided into four parts covering "Foundations," "Key Values and Principles," "Methods," and "Issues." New or updated chapters include ethical issues in public health practice, ethical issues in genetic epidemiology, and ethical issues in international health research and epidemiology. Now updated with timely global examples, Ethics and Epidemiology, Third Edition provides an in-depth account to the theoretical and practical moral problems confronting public health students and professionals and offers guidance for how justified moral conclusions can be reached.

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."

Epidemiology for Public Health Practice is a best-selling text offering comprehensive coverage of all the major topics in introductory epidemiology and alignment to the core competencies in epidemiology for graduate and undergraduate courses. 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.

How can society most effectively prevent disease and promote health? That is the challenge addressed by this textbook. Public health is the art and science of preventing disease, prolonging life and promoting health through the organised efforts of society. The 'science' is concerned with making a diagnosis of a population's health problems, establishing their cause and determining effective interventions. The 'art' lies in creatively addressing these problems. Essential Public Health captures both the art and science of the field. This second edition has been fully updated with contemporary examples and includes new chapters on sustainability and change, management and leadership.

Examples are taken from health systems throughout the world, giving readers a wider perspective of the challenges faced. This is essential reading for all trainees in health care, social care and related disciplines. An internet companion includes supplementary information and interactive, self-assessment questions to test understanding and aid learning. The authors deal not only with finding and using scientific evidence, but also with implementation and evaluation of interventions that generate new evidence on effectiveness. Each chapter covers the basic issues and provides multiple examples to illustrate important concepts.

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

Over the past decades, epidemiology has made a relevant contribution to public health by identifying health problems and analysing their determinants. 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 joined 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 two presents seven steps epidemiologists should follow 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 three illustrates the institutional architecture of public health and describes the professional fields of policy and health promotion as knowledge of these major fields facilitates interdisciplinary collaboration in each stage of the public health cycle. This book is intended for students and epidemiologists in public health practice. It was written by 20 Dutch authors with either longstanding experience or fresh enthusiasm. The editors are all affiliated with Academic Collaborative Centres for Public Health in the Netherlands, which aim to bridge the gap between policy, practice and research.

Applies traditional epidemiologic methods for determining disease etiology to the real-life applications of public health and health services research. This text contains a chapter on the development and use of systematic reviews and one on epidemiology and the law.

Perinatal Epidemiology synthesizes perinatal knowledge through the lens of public health practice. This comprehensive text uses a consistent, logical format to offer readers: (1) A spectrum of topics affecting maternal and infant health: reproductive health concerns, maternal and infant morbidity and mortality, and gestation and fetal growth. (2) Information on timely issues, including infertility, gestational diabetes, preterm delivery, postpartum depression, and SIDS. (3) Detailed discussions of current epidemiological trends, measures and measurement issues, data sources, and risk and protective factors for each condition covered. (4) In-depth consideration of public health interventions and their availability, strengths and limitations. (5) Emerging areas of interest and directions for research. (6) Text boxes, definitions of key terms, discussion questions, appendices,

and other helpful features. Perinatal Epidemiology is a valuable, ready resource for public health professionals in maternal and child care, reproduction and fertility. Its accessibility and easy-use format make it an equally strong textbook for courses in these fields as well as for advanced medical and nursing students in OB/GYN and pediatrics. The anthrax incidents following the 9/11 terrorist attacks put the spotlight on the nation's public health agencies, placing it under an unprecedented scrutiny that added new dimensions to the complex issues considered in this report. The Future of the Public's Health in the 21st Century reaffirms the vision of Healthy People 2010, and outlines a systems approach to assuring the nation's health in practice, research, and policy. This approach focuses on joining the unique resources and perspectives of diverse sectors and entities and challenges these groups to work in a concerted, strategic way to promote and protect the public's health. Focusing on diverse partnerships as the framework for public health, the book discusses: The need for a shift from an individual to a population-based approach in practice, research, policy, and community engagement. The status of the governmental public health infrastructure and what needs to be improved, including its interface with the health care delivery system. The roles nongovernment actors, such as academia, business, local communities and the media can play in creating a healthy nation. Providing an accessible analysis, this book will be important to public health policy-makers and practitioners, business and community leaders, health advocates, educators and journalists.

Now in its Fifth 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 Fifth Edition is a thorough revision with updated data throughout including: the top 10 leading causes of death, motor vehicle traffic death rates, mortality ratios, infant mortality rates, cancer deaths rates, tuberculosis incidence, life expectancy, incidence of AIDS, breast cancer death rates, tobacco consumption, dementia, suicide rates, unintentional injuries and much more.

Case Studies in Public Health contains selected case studies of some of the most important and influential moments in medicine and epidemiology. The cases chosen for this collection represent a wide array of public health issues that go into the makeup of what can be termed the New Public Health (NPH), which includes traditional public health, such as sanitation, hygiene and infectious disease control, but widens its perspective to include the organization, financing and quality of health care services in a much broader sense. Each case study is presented in a systematic fashion to facilitate learning, with the case, background, current relevance, economic issues, ethical issues, conclusions, recommendation and references discussed for each case. The book is a valuable resource for advanced students and researchers with specialized knowledge who need further information on the general background and history of public health and important scientific discoveries within the field. It is an ideal resource for students in public health, epidemiology, medicine, anthropology, and sociology, and for those interested in how to apply lessons from the past to present and future research. Explores the history of public health through important scientific events and flashpoints Presents case studies in a clear, direct style that is easy to follow Uses a systematic approach to help learn lessons from the past and apply them to the present

This new anthology of articles substantially updates and expands the topics dealt with in the first edition of the book. Topics covered in this second edition include ethical issues in epidemiologic research, public health practice, ethics instruction, and ethics guidelines for epidemiologists. Several theoretical and applied aspects of public health ethics at public health agencies and institutions are also dealt with including general ethical principles and organizational ethics

As public accountability has increased and resources have become scarcer, public health, like clinical medicine, has been forced to re-examine the benefits and costs of its activities. Decision and economic analysis are basic tools in carrying out that mission. These methods have become standard practice in clinical medicine and health services research. This book, now in its second edition, was written in an effort to apply and adapt that experience with public health situations. The book was originally written to introduce Centers for Disease Control and Prevention staff to the concepts of decision and economic analysis, to provide guidance on methods to maximize comparability of studies, and to provide access to frequently used reference information. It has been adapted to meet the needs of scientists and managers in state and local health departments and managed care organizations as well as students in schools of public health and clinicians for an introductory text --a text that shows how these methods can be applied in population-based practice, to facilitate better comparability of studies, and to solidify understanding of the scientific basis for use of these tools in decision making. Decision makers will learn how these studies are conducted so they can be critical consumers-- understanding the strengths and limitations- and apply findings to policy and practice. The second edition updates and expands upon the standard methodology for conducting prevention effectiveness analyses. Each chapter has been revised or re-written. The chapters on measuring effectiveness, decision analysis, and making information useful for decision makers as well as several appendices are entirely new.

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.

Epidemiology is a population science that underpins health improvement and health care, by exploring and establishing the pattern, frequency, trends, and causes of a disease. Concepts of Epidemiology comprehensively describes the application of core epidemiological concepts and principles to readers interested in population health research, policy making, health service planning, health promotion, and clinical care. The book provides an overview of study designs and practical framework for the geographical analysis of diseases, including accounting for error and bias within studies. It discusses the ways in which epidemiological data are presented, explains the distinction between association and causation, as well as relative and absolute risks, and considers the theoretical and ethical basis of epidemiology both in the past and the future. This new edition places even greater emphasis on interactive learning. Each chapter includes learning objectives, theoretical and numerical exercises, questions and answers, a summary of the key points, and exemplar panels to illustrate the concepts and methods under consideration. Written in an accessible and engaging style, with a specialized glossary to explain and define technical terminology, Concepts of Epidemiology is ideal for postgraduate students in epidemiology, public health, and health policy. It is also perfect for clinicians, undergraduate students and researchers in medicine, nursing and other health disciplines who wish to improve their understanding of fundamental epidemiological concepts.

"The Nation has lost sight of its public health goals and has allowed the system of public health to fall into 'disarray'," from The Future of Public Health. This startling book contains proposals for ensuring that public health service programs are efficient and effective enough to deal not only with the topics of today, but also with those of tomorrow. In addition, the authors make recommendations for core functions in public health assessment, policy development, and service assurances, and identify the level of government--federal, state, and local--at which these functions would best be handled.

In this introductory textbook to epidemiology, students will discover the knowledge and skills required for managing population-based health care under health reform. Fundamental epidemiological techniques are presented teaching students to assess the health status of populations served; determine appropriate interventions based upon knowledge of factors which affect health status; and evaluate the impact of health care systems, programs, technologies, and policies on the health status of populations. Each chapter includes case studies and discussion questions.

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.

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As an increasing number of colleges and universities call for an epidemiologic content into liberal arts programs. This title is designed to meet the needs of instructors teaching and overview or introductory course of epidemiology. In an easy-to-read and understandable format, the text demonstrates applied approaches in everyday life and also to specific health outcomes. Key Features: Numbers case studies Text boxes and vignettes throughout Exhibits Photographs Figures Illustrations Looking for more real-life evidence? Check out Cases 1-5, 19, & 21 in Essential Case Studies in Public Health, Putting Public Health into Practice.

Precision Public Health is a new and rapidly evolving field, that examines the application of new technologies to public health policy and practice. It draws on a broad range of disciplines including genomics, spatial data, data linkage, epidemiology, health informatics, big data, predictive analytics and communications. The hope is that these new technologies will strengthen preventive health, improve access to health care, and reach disadvantaged populations in all areas of the world. But what are the downsides and what are the risks, and how can we ensure the benefits flow to those population groups most in need, rather than simply to those individuals who can afford to pay? This is the first collection of theoretical frameworks, analyses of empirical data, and case studies to be assembled on this topic, published to stimulate debate and promote collaborative work.

Physical Activity in Public Health Practice provides the first evidence-based, practical textbook to guide readers through the process of conceptualizing, justifying, implementing, and evaluating physical activity interventions across a broad array of settings and populations. Section One begins with an overview of epidemiology, measurement, critical milestones, and the importance of moving beyond individual-level physical activity intervention, to interventions aimed at policy-, systems-, and environmental-level changes. Section Two considers planning interventions across a variety of settings and populations, including general concepts for implementation and evaluation, how to build effective

coalitions, steps for developing community-, regional- or state-level strategic plans, and effectively translating policy into practice. Section Three addresses how to implement physical activity strategies across a variety of settings, including worksites, faith-based settings, healthcare settings, schools, and parks and recreation. This section also provides guidance on the complexities and challenges of targeting interventions for specific populations, such as families, older adults, persons with disabilities, as well as different strategies for urban and rural populations. Lastly, Section Four outlines effective strategies for how to evaluate interventions depending upon impact, outcome, and cost evaluation, and dissemination models for your intervention. Presented from both a research and a practice perspective while discussing the best available research, this book provides the basis for planning and implementing physical activity programs that work and can build healthier communities. This hands-on text incorporates learning objectives, real-world examples, case studies, and bulleted lists whenever possible so that the content can be digested easily not only in undergraduate and graduate course settings but also by public health workers and other health educators in practice. Written by world experts and augmented by practical applications, this textbook prepares public health students and practitioners to develop effective interventions and spur greater physical activity in their communities. Key Features: Provides effective strategies for properly measuring and increasing physical activity in communities Demonstrates how to carry out physical activity interventions across a variety of settings, including schools, communities, worksites and many more Discusses methods for directing physical activity interventions to specific populations Delivers strategies for building successful partnerships and coalitions Practical group activities, exercises, discussion questions, audio podcast discussions, and a full instructor packet accompany the textbook

INTRODUCTION to EPIDEMIOLOGY: DISTRIBUTION AND DETERMINANTS OF DISEASE gradually immerses students in the science of public health while learning about cardiovascular disease, cancer, diabetes, infectious diseases, and more. The first half of the book focuses on basic concepts in epidemiology, such as its history and integration into public health, disease occurrence, data sources, accuracy, and study design. Delving into high impact diseases and conditions, the second half guides students through the distribution and determinants of disease, including those of developing countries, which provides a global perspective. This first edition text was written for students with no prior knowledge of epidemiology, and includes useful online references, basic math resources, real-world problems, and an optional supplement package for better, faster comprehension! CourseMate includes an interactive eBook, interactive learning tools, including Quizzes, Flashcards, Videos, and more, as well as Engagement Tracker, which allows instructors to track individual or class progress. (Optional purchase with text -- learn more about CourseMate at www.cengage.com/coursemate). Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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

A NEW AND ESSENTIAL RESOURCE FOR THE PRACTICE OF EPIDEMIOLOGY AND PUBLIC HEALTH The CDC Field Epidemiology Manual is a definitive guide to investigating acute public health events on the ground and in real time. Assembled and written by experts from the Centers for Disease Control and Prevention as well as other leading public health agencies, it offers current and field-tested guidance for every stage of an outbreak investigation -- from identification to intervention and other core considerations along the way. Modeled after Michael Gregg's seminal book Field Epidemiology, this CDC manual ushers investigators through the core elements of field work, including many of the challenges inherent to outbreaks: working with multiple state and federal agencies or multinational organizations; legal considerations; and effective utilization of an incident-management approach. Additional coverage includes:

- Updated guidance for new tools in field investigations, including the latest technologies for data collection and incorporating data from geographic information systems (GIS)
- Tips for investigations in unique settings, including healthcare and community-congregate sites
- Advice for responding to different types of outbreaks, including acute enteric disease; suspected biologic or toxic agents; and outbreaks of violence, suicide, and other forms of injury

For the ever-changing public health landscape, The CDC Field Epidemiology Manual offers a new, authoritative resource for effective outbreak response to acute and emerging threats. *** Oxford University Press will donate a portion of the proceeds from this book to the CDC Foundation, an independent nonprofit and the sole entity created by Congress to mobilize philanthropic and private-sector resources to support the Centers for Disease Control and Prevention's critical health protection work. To learn more about the CDC Foundation, visit www.cdcfoundation.org.

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