

Oxford Handbook Of Infectious Diseases And Microbiology Oxford Medical Handbooks

The Oxford Textbook of Infectious Disease Control: A Geographical Analysis from Medieval Quarantine to Global Eradication is a comprehensive analysis of spatial theory and the practical methods used to prevent the geographical spread of communicable diseases in humans. Drawing on current and historical examples spanning seven centuries from across the globe, this indispensable volume demonstrates how to mitigate the public health impact of infections in disease hotspots and prevent the propagation of infection from such hotspots into other geographical locations. Containing case studies of longstanding global killers such as influenza, measles and poliomyelitis, through to newly emerged diseases like SARS and highly pathogenic avian influenza in humans, this book integrates theory, data and spatial analysis and locates these quantitative analyses in the context of global demographic and health policy change. Beautifully illustrated with over 100 original maps and diagrams to aid understanding and assimilation, in six sections the authors examine surveillance, quarantine, vaccination, and forecasting for disease control. The discussion covers theoretical approaches, techniques and systems central to mitigating disease spread, and methods that deliver practical disease control. Essential information is also provided on the geographical eradication of diseases, including the design of early warning systems that detect the geographical spread of epidemics, enabling students and practitioners to design spatially-targeted control strategies. Despite the early hope of eradication of many communicable diseases after the global eradication of smallpox by 1979, the world is still working at the control and elimination of the spatial spread of newly-emerging and resurgent infectious diseases. Learning from past examples and incorporating modern surveillance and reporting techniques that are used to design value-for-money spatially-targeted interventions to protect public health, the Oxford Textbook of Infectious Disease Control is an essential resource for all those working in, or studying ways to control the spread of communicable diseases between humans in a timely and cost-effective manner. It is ideal for specialists and students in infectious disease control as well as those in the medical sciences, epidemiology, demography, public health, geography, and medical history.

This work takes an integrated approach to both infectious disease and microbiology. Referenced to national frameworks and current legislation, it covers the basic principles of bacteriology and virology, specific information on diseases and conditions, and material on 'hot topics' such as bioterrorism and preventative medicine.

Provided in a concise, accessible format, the Oxford American Handbook of Infectious Diseases comprehensively covers all areas of this expanding field, making it easily available at the clinician's fingertips.

The Oxford Handbook of Comparative Health Law addresses some of the most critical issues facing scholars, legislators, and judges today: how to protect against threats to public health that can quickly cross national borders, how to ensure access to affordable health care, and how to regulate the pharmaceutical industry, among many others. When matters of life and death literally hang in the balance, it is especially important for policymakers to get things right, and the making of policy can be greatly enhanced by learning from the successes and failures of approaches taken in other countries. Where there are "common challenges" in law and health, there is much to be gained from experiences elsewhere. Thus, for example, countries that suffered early from the COVID-19 pandemic provided valuable lessons about public health interventions for countries that were hit later. Accordingly, the Handbook considers key health law questions from a comparative perspective. In health law, common challenges are frequent. In addition to ones already mentioned, there are questions about addressing the social determinants of health (e.g., poverty and pollution), organizing health systems to optimize use of available resources, ensuring that physicians provide care of the highest quality, protecting patient privacy in a data-driven world, and properly balancing patient autonomy with the interest in preserving life when reproductive and end-of-life decisions are made. This Handbook's wide scope and comparative take on health law are particularly timely. Economic globalization has made it increasingly important for different countries to harmonize their legal rules. Students, practitioners, scholars, and policymakers need to understand how health laws vary across national boundaries and how reforms can ensure a convergence toward an optimal set of legal rules, or ensure that specific legal arrangements are needed in particular contexts. Indeed, comparative analysis has become essential for legal scholars, and The Oxford Handbook of Comparative Health Law is the only resource that provides such an analysis in health law. Endorsed by the RCPCH and ESPID, and packed with helpful tips and practical guidance, The Blue Book is an easy to use, easily-accessible, but fully comprehensive and evidence-based reference guide, helping busy paediatricians recognise, investigate and manage both common and rare infectious diseases in children and babies.

Respiratory ailments are the most common reason for emergency admission to hospital, the most common reason to visit the GP, and cost the NHS more than any other disease area. This pocket-sized handbook allows instant access to a wealth of information needed in the day-to-day practice of respiratory medicine.

"Companion for travellers to wild and remote areas. This book provides comprehensive coverage to enable efficient planning and preparation before your journey, and gives practical advice on camp logistics, risk management, and medical issues. Other chapters include crisis management, emergency care, and evacuation from challenging environments."--

The Tropical Medicine Notebook is a new concept in providing a concise overview of the key topics in tropical medicine, using short notes, diagrams, maps, and tables to present the material in an accessible, engaging, memorable, and interesting way. The format is generally a page per topic, with division of each page into subsections by boxes to make it easy to find the relevant information. Cross-referencing is provided to allow quick linking between relevant sections of the book. Providing the key information in bite-size chunks, the Tropical Medicine Notebook is a useful companion to more

comprehensive texts. Divided into eight sections; the first five cover infections caused by bacteria, viruses, fungi, protozoa and helminths, followed by a further three which present the topics of vector biology, disease syndromes and envenomation. Where relevant, the section is prefaced by a classification system to provide a logical overview, helping with assimilation of information and highlighting important relationships between organisms. It is an ideal learning and revision guide for students or trainees in infection, microbiology, and tropical medicine, as well as being a useful reference resource for healthcare and laboratory staff across the wide range of disciplines to which infection may present.

Rev. ed. of: Oxford handbook of practical drug therapy / Duncan Richards, Jeffrey K. Aronson. 2005.

The Oxford Handbook of Health Economics provides an accessible and authoritative guide to health economics, intended for scholars and students in the field, as well as those in adjacent disciplines including health policy and clinical medicine. The chapters stress the direct impact of health economics reasoning on policy and practice, offering readers an introduction to the potential reach of the discipline. Contributions come from internationally-recognized leaders in health economics and reflect the worldwide reach of the discipline. Authoritative, but non-technical, the chapters place great emphasis on the connections between theory and policy-making, and develop the contributions of health economics to problems arising in a variety of institutional contexts, from primary care to the operations of health insurers. The volume addresses policy concerns relevant to health systems in both developed and developing countries. It takes a broad perspective, with relevance to systems with single or multi-payer health insurance arrangements, and to those relying predominantly on user charges; contributions are also included that focus both on medical care and on non-medical factors that affect health. Each chapter provides a succinct summary of the current state of economic thinking in a given area, as well as the author's unique perspective on issues that remain open to debate. The volume presents a view of health economics as a vibrant and continually advancing field, highlighting ongoing challenges and pointing to new directions for further progress.

Maximise your exam success with this essential revision guide. The third edition of Oxford Assess and Progress: Clinical Medicine features over 550 Single Best Answer questions. Packed with questions written by practicing clinicians and educators, this revision tool is an authoritative guide on core clinical topics and professional themes. Each question is accompanied by extensive feedback which explains not only the rationale of the correct answer, but why the other options are incorrect. Further reading resources and cross-references to the Oxford Handbook of Clinical Medicine have been fully updated to expand your revision further. Progress to exam success with the third edition of Oxford Assess and Progress: Clinical Medicine.

This practical reference provides a single, concise source of current information on the diseases and conditions common among immigrants, refugees, travelers, and persons in contact with these populations in the developed world. An easy-to-use format makes this reference ideal for primary care and other providers in a variety of clinical settings. It also features content on agents that may be used as biological warfare. Diseases and conditions are arranged in alphabetical order for quick reference. Concise discussions of 93 infectious diseases and conditions of immigrants, refugees, travelers, and those in contact with these populations. The ability to search by either signs and symptoms, geographic area, or diseases and disorders. A discussion on emerging infectious diseases and why they are an important health issue. An overview of the physical diagnosis of these diseases. Approaches to diagnosing newly arrived immigrants and refugees. Strategies for pre-travel counseling and immunizations. Information on primary geographic distribution, agent and vector, incubation, clinical findings and treatment, signs and symptoms, complications, common laboratory findings, diagnosis, differential diagnosis, treatment, prevention, and reporting. Bioterrorism boxes appear throughout the text to alert practitioners to biological warfare agent information.

This book of illustrative cases provides a cross-sectional view of the growing challenges that face the infectious diseases consultant.

Written by practicing infectious diseases specialists at Mayo Clinic, this comprehensive, state-of-the-art publication covers current and essential clinical aspects of diseases likely to be encountered by the infectious disease specialist as well as to appear on the subspecialty infectious diseases board examination.

The new edition of this unique handbook continues to provide an accessible and comprehensive, signs-and-symptoms based source of information on medical problems commonly seen in the tropics. A practical guide to diagnosis and management for medical practitioners and students, it can fit in the coat pocket and be used easily at the bedside.

Tropical Diseases outlines the diagnosis, prevention, and treatment of diseases encountered in developing regions---areas where the unexpected can occur and where Western medical capabilities are often unavailable. Taking a pragmatic approach, it is an invaluable reference and resource for medical professionals and students travelling abroad or working in unfamiliar terrain. Diseases profiled here include a brief historical background, main signs and symptoms, and practical methods of individual prevention and treatment. Additional features include: - Over 60 maps depicting the geographic origins and modern distribution of tropical diseases - A classification scheme for parasitic diseases according to the location of the final parasitic stage in the human body - Clinical case studies For the new or experienced health care provider, Tropical Diseases is a handy, practical guide to treating and avoiding disease in any environment. Yann Meunier is the CEO of HealthConnect International Inc, a healthcare consulting company based in Silicon Valley, CA, and Advisor in the Medscholars Research Fellowships Program at Stanford University School of Medicine. He is honorary member of the Brazilian Academy of Medicine, associate member of the Academy of Medicine, Singapore, member of the International Academy of Fellows and Associates, Royal College of Physicians and Surgeons of Canada and fellow of the Australasian College of Tropical Medicine. He received his Tropical Medicine specialty degree from the university Paris VI and was consultant in Tropical Medicine at the Pitié-Salpêtrière in Paris. He has practiced medicine for

many years in Africa, Asia, Oceania and South America.

This book explores the methodology of environmental history, with an emphasis on the field's interaction with other historiographies such as consumerism, borderlands, and gender. It examines the problem of environmental context, specifically the problem and perception of environmental determinism, by focusing on climate, disease, fauna, and regional environments. It also considers the changing understanding of scientific knowledge.

This volume collects the state-of-the-art applications of psychological theory to the interactions among the mind, the nervous system, and the immune system, including applications drawn from affective science, developmental psychology, behavioral neuroscience, and clinical psychology.

Reflecting the current approach to joint postgraduate training programmes in infectious diseases (ID) and microbiology, the Oxford Handbook of Infectious Diseases and Microbiology takes an integrated approach to both subjects. It covers the basic principles of bacteriology and virology, along with specific guidance on individual diseases and conditions, all in the accessible Oxford Medical Handbook style. Practical and comprehensive, this handbook includes coverage of national and international guidelines, together with information on topical issues such as bioterrorism and preventative medicine. Fully reviewed by specialist senior readers, and with useful links to up-to-date clinical information and online resources, this is an important addition to the Oxford Medical Handbook Series.

On a global scale, the central tool for responding to complex security challenges is public international law. This handbook provides a comprehensive and systematic overview of the relationship between international law and global security.

Takes an integrated approach to both infectious disease and microbiology. Referenced to national frameworks and current legislation, it covers the basic principles of bacteriology and virology, specific information on diseases and conditions, and material on 'hot topics' such as bioterrorism and preventative medicine.

The definitive reference for travel medicine, updated for 2020! "A beloved travel must-have for the intrepid wanderer." -Publishers Weekly "A truly excellent and comprehensive resource." -Journal of Hospital Infection The CDC Yellow Book offers everything travelers and healthcare providers need to know for safe and healthy travel abroad. This 2020 edition includes: · Country-specific risk guidelines for yellow fever and malaria, including expert recommendations and 26 detailed, country-level maps · Detailed maps showing distribution of travel-related illnesses, including dengue, Japanese encephalitis, meningococcal meningitis, and schistosomiasis · Guidelines for self-treating common travel conditions, including altitude illness, jet lag, motion sickness, and travelers' diarrhea · Expert guidance on food and drink precautions to avoid illness, plus water-disinfection techniques for travel to remote destinations · Specialized guidelines for non-leisure travelers, study abroad, work-related travel, and travel to mass gatherings · Advice on medical tourism, complementary and integrative health approaches, and counterfeit drugs · Updated guidance for pre-travel consultations · Advice for obtaining healthcare abroad, including guidance on different types of travel insurance · Health insights around 15 popular tourist destinations and itineraries · Recommendations for traveling with infants and children · Advising travelers with specific needs, including those with chronic medical conditions or weakened immune systems, health care workers, humanitarian aid workers, long-term travelers and expatriates, and last-minute travelers · Considerations for newly arrived adoptees, immigrants, and refugees Long the most trusted book of its kind, the CDC Yellow Book is an essential resource in an ever-changing field -- and an ever-changing world.

This handbook takes an integrated approach to both infectious disease and microbiology. Referenced to national frameworks and current legislation, it covers basic principles of bacteriology and virology, specific information on diseases and conditions and material on 'hot topics' such as bioterrorism and preventative medicine.

Now in its 25th year, the Oxford Handbook of Clinical Specialties has been fully revised and updated by a trusted author team to bring you practical, up-to-date clinical advice and a unique outlook on the practice of medicine. Twelve books in one, this is the ultimate guide to the core clinical specialties for students, junior doctors, and specialists. Guided by specialists and junior doctors, the ninth edition of this handbook sees fully revised and updated artwork, references, and clinical advice. This edition maintains its unique perspective on patient care, drawing on literature, history, and philosophy to encourage the reader to broaden their definition of medicine. Fully cross-referenced to the Oxford Handbook of Clinical Medicine, this is essential book contains everything needed for training, revision, and clinical practice.

The Oxford Handbook of Epidemiology for Clinicians provides all the information required by students and junior doctors who need to understand and translate key epidemiological concepts into medical practice. Unlike standard textbooks in this area, the focus throughout is on clinical applications of epidemiological knowledge. Divided into four sections, the handbook begins with the basics of epidemiology in the clinic, moving on to the theories behind evidence-based practice, discussions of optimum methods and studies, and then ends by looking at the epidemiology of common diseases. The material is presented in a logical manner, from problems to the most appropriate solutions or tools to be applied. Interesting topics such as controversies in prevention intervention encourage discussion and thought, and the authors pose sensible and important questions throughout. This handbook is a must for all junior doctors, medical students, and clinicians who need to apply epidemiological concepts to day-to-day practice or who want a practical step-by-step guide to undertaking research, conducting reviews of evidence, or writing up publications.

Oxford Handbook of Infectious Diseases and Microbiology Oxford University Press

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. Fully revised and updated for the third edition, the Oxford Handbook of Public Health Practice remains the first resort for all those working in this broad field. Structured to assist with practical tasks, translating evidence into policy, and providing concise summaries and real-world issues from across the globe, this literally provides a world of experience at your fingertips. Easy-to-use, concise and practical, it is structured into seven parts that focus on the vital areas of assessment, data and information, direct action, policy, health-care systems, personal effectiveness and organisational development. Reflecting recent advances, the most promising developments in practical public health are presented, as well as maintaining essential summaries of core disciplines. This handbook is designed to assist students and practitioners around the world, for improved management of disasters, epidemics, health behaviour, acute and chronic disease prevention, community and government action, environmental health, vulnerable populations, and more. The Oxford Handbook of General Practice is an essential lifeline for the busy GP. It includes hands-on advice to help with any day-to-day problems which might arise in general practice. Revised and updated throughout, this new edition includes several new chapters and expanded information on the new GP contract and training. This volume details over 30 challenging cases from a wide area of infectious diseases, medical microbiology and virology and includes topics ranging from typhoid fever to secondary syphilis. Each case is supported by the commentary of a renowned expert in the field, allowing readers to improve their own management of these patients. Highly practical yet authoritative, the new edition of Modern Infectious Disease Epidemiology has been thoroughly updated and revised in line with changing health concerns. This successful book continues to outline the tools available to the infectious disease student or clinician seeking a thorough background in the epidemiology of infectious and communicable diseases. Building on many case studies and practical scenarios included, the book then uses the tools learnt to illustrate the fundamental concepts of the study of infectious diseases, such as infection spread, surveillance and control, infectivity, incubation periods, seroepidemiology, and immunity in populations. New edition of this popular book, completely revised and updated Retains the clarity and down-to-earth approach praised in previous editions Successfully combines epidemiological theory with the principles of infectious disease treatment and control A highly experienced author brings a personal and unique approach to this important subject All students of epidemiology, infectious disease medicine and microbiology will find this text invaluable, ensuring its continued popularity. This Oxford Handbook is the definitive volume on the state of international security and the academic field of security studies. It provides a tour of the most innovative and exciting news areas of research as well as major developments in established lines of inquiry. It presents a comprehensive portrait of an exciting field, with a distinctively forward-looking theme, focusing on the question: what does it mean to think about the future of international security? The key assumption underpinning this volume is that all scholarly claims about international security, both normative and positive, have implications for the future. By examining international security to extract implications for the future, the volume provides clarity about the real meaning and practical implications for those involved in this field. Yet, contributions to this volume are not exclusively forecasts or prognostications, and the volume reflects the fact that, within the field of security studies, there are diverse views on how to think about the future. Readers will find in this volume some of the most influential mainstream (positivist) voices in the field of international security as well as some of the best known scholars representing various branches of critical thinking about security. The topics covered in the Handbook range from conventional international security themes such as arms control, alliances and Great Power politics, to "new security" issues such as global health, the roles of non-state actors, cyber-security, and the power of visual representations in international security. The Oxford Handbooks of International Relations is a twelve-volume set of reference books offering authoritative and innovative engagements with the principal sub-fields of International Relations. The series as a whole is under the General Editorship of Christian Reus-Smith of the University of Queensland and Duncan Snidal of the University of Oxford, with each volume edited by a distinguished pair of specialists in their respective fields. The series both surveys the broad terrain of International Relations scholarship and reshapes it, pushing each sub-field in challenging new directions. Following the example of the original Reus-Smit and Snidal The Oxford Handbook of International Relations, each volume is organized around a strong central thematic by a pair of scholars drawn from alternative perspectives, reading its sub-field in an entirely new way, and pushing scholarship in challenging new directions.

Written by biomedical scientists and clinicians, with the purpose of disseminating the fundamental scientific principles that underpin medicine, this new edition of the Oxford Handbook of Medical Sciences provides a clear, easily digestible account of basic cell physiology and

biochemistry. It also includes an investigation of the traditional pillars of medicine (anatomy, physiology, biochemistry, pathology and pharmacology) integrated in the context of each of the major systems relevant to the human body. Cross-referenced to the Oxford Handbook of Clinical Medicine, and thoroughly illustrated, it is the ideal introduction to the medical sciences for medical students and biomedical scientists, as well as a valuable refresher for junior doctors.

Now fully updated, the Oxford Handbook of Clinical Pharmacy remains the indispensable guide to clinical pharmacy, providing all the information needed for practising and student pharmacists. Presenting handy practical guidance in a quick-reference, bullet-point format, this handbook will supply the knowledge and confidence needed to provide a clinical pharmacy service. Complementing the current British National Formulary guidelines, the handbook gives prescribing points and linked concepts of relevance to clinical pharmacists. The contents are evidence-based and contain a wealth of information from the authors' many years of clinical pharmacy experience. This handbook is the definitive quick-reference guide for all practising and student pharmacists.

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.

Protecting and promoting health is inherently a political endeavor that requires a sophisticated understanding of the distribution and use of power. Yet while the global nature of health is widely recognized, its political nature is less well understood. In recent decades, the interdisciplinary field of global health politics has emerged to demonstrate the interconnections of health and core political topics, including foreign and security policy, trade, economics, and development. Today a growing body of scholarship examines how the global health landscape has both shaped and been shaped by political actors and structures. The Oxford Handbook of Global Health Politics provides an authoritative overview and assessment of research on this important and complicated subject. The volume is motivated by two arguments. First, health is not simply a technical subject, requiring evidence-based solutions to real-world problems, but an arena of political contestation where norms, values, and interests also compete and collide. Second, globalization has fundamentally changed the nature of health politics in terms of the ideas, interests, and institutions involved. The volume comprises more than 30 chapters by leading experts in global health and politics. Each chapter provides an overview of the state of the art on a given theoretical perspective, major actor, or global health issue. The Handbook offers both an excellent introduction to scholars new to the field and also an invaluable teaching and research resource for experts seeking to understand global health politics and its future directions.

Suitable for use on the ward and in clinical settings, this book includes information and clinical guidance passed down by generations of neurologists. It deals with taking a neurological history and examination, including the skills necessary to make a neurological assessment. Vaccines are among modern medicine's greatest triumphs, but popular misunderstandings about vaccines and the communicable diseases they prevent threaten to undo more than a century's worth of progress in public health. Pediatricians, infectious disease specialists, OB/GYN physicians, internists, and family practitioners thus must make patient education about vaccines a routine part of preventative care. THE VACCINE HANDBOOK is a one-stop resource for clinicians whose practices involve administering vaccines. At-a-glance immunization schedules, scripts for addressing patient concerns, and frequently asked questions at the end of each section prepare practitioners to meet challenges such as vaccine hesitancy, correct dosing, and the timing of "catch-up" immunizations with confidence. Covering every clinical scenario from routine childhood immunizations to specialty vaccines for international travel, THE VACCINE HANDBOOK is an essential reference for any preventive care provider. FEATURES - Charts and tables summarizing immunization schedules, proper dosing and storage, and contraindications for commonly used vaccines for quick and easy reference - Vaccination guidelines tailored to special circumstances such as pregnancy, international travel, patients' immunization history, and workplace hazards - Patient education tools including links to reliable online resources and strategies for framing discussions about the benefit of vaccination

Infectious Disease Epidemiology is a concise reference guide which provides trainees and practicing epidemiologists with the information that they need to understand the basic concepts necessary for working in this specialist area. Divided into two sections, part one comprehensively covers the basic principles and methods relevant to the study of infectious disease epidemiology. It is organised in order of increasing complexity, ranging from a general introduction to subjects such as mathematical modelling and sero-epidemiology. Part two examines key major infectious diseases that are of global significance. Grouped by their route of transmission for ease of reference, they include diseases that present a particular burden or a high potential for causing mortality. This practical guide will be essential reading for postgraduate students in infectious disease epidemiology, health protection trainees, and practicing epidemiologists.

Infectious Diseases Emergencies is a succinct guide to the infectious disease processes most commonly seen in practice.

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