

Population Mobility And Infectious Disease

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Global Climate Change and Extreme
Weather Events
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Diseases
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Remote Sensing of Land
Cover and Land Use Changes in South and Southeast Asia, Volume 2
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the Move
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People and Culture in Change
A Laboratory
Manual for the Isolation, Identification and Characterization of Avian Pathogens
Minimally
Invasive Spine Surgery - Techniques, Evidence, and Controversies
The Journal of Infectious
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Minimally Invasive Spine Surgery - Techniques, Evidence, and Controversies The Journal of Infectious Diseases *Yorghos Apostolopoulos Frank Schlosser Brian D. Gushulak Institute of Medicine Michele Tizzoni Tadashi Nakano Krishna Prasad Vadrevu Linda Caputi Xiao Chen Kundai Manamere Deanna E. Grimes Guodong Long Adrian C Sleigh Betty J. Ackley Israel HersHKovitz Louise Dufour-Zavala Roger Haertl*

population mobility and infectious disease moves beyond traditional behavioral and demographic theories of disease diffusion to focus on larger issues of social ecology and public health with depth rarely seen in the international literature it explores the complex and varied roles of mobile transient and displaced populations in the worldwide spread of airborne waterborne and sexually transmitted infections the book argues that while biomedical events cause disease social forces such as poverty and marginalization magnify them by giving them new opportunities to take hold population mobility either voluntary or forced brings contact between populations with different disease prevalence rates outbreaks in turn are compounded by inequalities in access to medical care from katrina to darfur and from influenza to aids an expert panel of health and social scientists bring the socioeconomic context of epidemics into clear focus historical perspectives on migration development and epidemics social resources and health barriers among migrant groups the role of mobile labor populations e g migrant workers truckers the military in disease transmission war refugees resettlement health effects on the world scale natural disasters and climate change their local and global disease impact leisure travel and health risks from spring break binges to commercial sex tourism methodological and design issues confronting researchers the politics of prevention ethical concerns in migration related illness the unique scope of this book makes it as timely as the next health crisis and relevant to a gamut of interrelated fields including public and international health epidemiology psychology sociology anthropology human rights and development and planning by expanding concepts examining trends and pinpointing areas for intervention it is a critical resource for the academic research practice and policy sectors

long before the germ theory of disease was described late in the nineteenth century humans knew that climatic conditions influence the appearance and spread of epidemic diseases

ancient notions about the effects of weather and climate on disease remain embedded in our collective consciousness through expressions such as cold for rhinovirus infections malaria derived from the latin for bad air and the common complaint of feeling under the weather today evidence is mounting that earth s climate is changing at a faster rate than previously appreciated leading researchers to view the longstanding relationships between climate and disease with new urgency and from a global perspective on december 4 and 5 2007 the forum on microbial threats hosted a public workshop in washington dc to consider the possible infectious disease impacts of global climate change and extreme weather events on human animal and plant health as well as their expected implications for global and national security

this book constitutes the refereed conference proceedings of the 13th international conference on bio inspired information and communications technologies held in september 2021 due to the safety concerns and travel restrictions caused by covid 19 bict 2021 took place online in a live stream bict 2021 aims to provide a world leading and multidisciplinary venue for researchers and practitioners in diverse disciplines that seek the understanding of key principles processes and mechanisms in biological systems and leverage those understandings to develop novel information and communications technologies ict the 20 full and 2 short papers were carefully reviewed and selected from 47 submissions the papers are organized thematically in tracks as follows bio inspired network systems and applications bio inspired information and communication mathematical modelling and simulations of biological systems

south and southeast asian countries are experiencing rapid land cover and land use changes lcluc driven by urbanization agricultural expansion deforestation and infrastructure development these transformations have significant impacts on biodiversity water resources food security and climate regulation there is an urgent need to quantify lcluc impacts to design effective management strategies that help understand mitigate and adapt to these changes remote sensing data plays a crucial role in providing diverse information essential for assessing land use patterns quantifying changes and evaluating both environmental and societal impacts volume 2 explores the complex and dynamic interactions between land use

and the environment in the region it brings together expertise from u s contributors of the nasa funded southeast asia research initiative sari and collaborators from south and southeast asian countries key features presents case studies on lcluc impacts related to food security heat stress urbanization agricultural intensification water scarcity forest transitions and ecosystem health demonstrates the use of novel machine learning and deep learning algorithms for quantifying lcluc impacts explores how satellite remote sensing can reveal hidden patterns track environmental degradation and support resource management highlights the integration of very high resolution data with mid resolution satellite data for effective lcluc impact mapping and monitoring adopts a multidisciplinary approach emphasizing the integration of biophysical and socio economic data to address lcluc impacts this book highlights the transformative power of remote sensing and geospatial technologies while calling researchers policymakers and practitioners to action it offers valuable insights for scientists geographers ecologists remote sensing specialists and anyone interested in the intersection of land use development and environmental sustainability

now in full color with all new photographs the manual that sets the standard demonstrates how to identify impairments successfully and assess rehabilitation status effectively for each measurable joint a consistent easy to follow format exceptional photographs and detailed illustrations depict range of motion and alignment making it easy to visualize the examination and technique for each joint motion and muscle length test

malaria on the move explores the socioeconomic aspects of endemic malaria in the southeastern lowveld of zimbabwe the book provides a historical analysis of malaria control and eradication programs in rhodesia and independent zimbabwe from the late nineteenth century to 2015 kundai manamere draws connections between malaria epidemiology and human mobility relating to large and small scale farming labor migration colonial displacement war and rural to urban movements she examines how circular labor migration and rural travel influence the risk of malaria for individuals and communities and shows how migration and travel have spread the disease and impeded control efforts more importantly the book demonstrates that the need to travel for work is an indicator of a local hierarchy of priorities it reaffirms the urgent need for partners in malaria control to consider local

socioeconomic factors in the design and implementation of intervention programs the inclusion of local contexts perspectives and voices in formulating national and global public health policies and interventions is critical to addressing public noncooperation to date biomedical studies of malaria outnumber socioeconomic and political studies of the disease manamere advocates for a multipronged approach that goes beyond standard scientific research methods her approach incorporates how socioeconomic considerations of recipient communities influence malaria epidemiology local perceptions of the disease and responses to interventions this context is particularly important for understanding why malaria has remained a global health challenge and why so many interventions have failed scientifically malaria is a disease of the landscape and its ecological complexity poses challenges to its eradication yet biological and ecological landscapes are not exclusive factors in the spread of disease as manamere demonstrates the socioeconomic environment is equally important

this book constitutes the proceedings of the 34th australasian joint conference on artificial intelligence ai 2021 held in sydney nsw australia in february 2022 the 64 full papers presented in this volume were carefully reviewed and selected from 120 submissions the papers were organized in topical sections named ethical ai applications classical ai computer vision and machine learning natural language processing and data mining and network analysis the conference was postponed from december 2021 to february 2022 and held virtually due to the covid 19 pandemic

initially stimulated by a scholarly workshop convened in singapore in late 2004 and written over the subsequent 18 months this volume considers the potentially lethal pattern of infectious disease emergence in asia it studies linkages to changes in patterns of human activity including but not limited to shifts in the distribution and concentration of human settlements and the patterns of movement within and between them it explores the causes and consequences of infectious agents in the region historically and examines such newly emergent natural biological threats as sars and avian influenza drawing on a range of disciplinary perspectives the book contains analyses rooted in the social physical and biological sciences as well as works which span these fields among the issues considered are the ways in which changes in our natural and built environment social and economic

pressures shifting policies and patterns of collaboration in responding to disease impact upon our approach to and success in containing serious threats infection control has moved beyond the province of clinical experts epidemiologists and microbiologists into the mathematics of epidemic prevention and control as well as the overall physical and human ecology and historical contexts of emerging infections not only does such a broad approach enable appreciation of complex forces driving growing epidemic risks in asia today it also reveals the importance and relevance of population dynamics as well as the global urgency of alleviating unsatisfactory health conditions in asia the topic and the broad approach has international appeal beyond the region as many of these forces operate throughout the world

this convenient reference is designed to help practicing nurses and nursing students make a nursing diagnosis and write a care plan with ease and confidence an excellent teaching and learning tool this handbook helps nurses correlate nursing diagnoses with known information about clients on the basis of assessment findings established medical or psychiatric diagnoses and the current treatment plan this extensively revised and updated edition presents the most up to date information on all nanda approved nursing diagnoses further integration of both the nic and noc taxonomies evidence based nursing interventions home care client family teaching and multicultural and geriatric considerations enhance the book s relevance to today s nursing students and practitioners provides care plans for every nanda approved nursing diagnosis allows quick access to information with alphabetical organization of sections ii and iii includes more geriatric multicultural and home care interventions as necessary for plans of care includes examples of and suggested nic and noc interventions and outcomes in each care plan provides care plans for every nanda approved nursing diagnosis allows quick access to information with alphabetical organization of sections ii and iii includes more geriatric multicultural and home care interventions as necessary for plans of care includes examples of and suggested nic and noc interventions and outcomes in each care plan

this volume is part of a two volume set isbn 9781407387130 volume i isbn 9781407387147 volume ii isbn 9780860546498 volume set

manual for the isolation identification and characterization of avian pathogens

minimally invasive spine surgery in some form or other has historical roots dating back more than 100 years and recent advances in technology now make it increasingly effective in treating suitable spine patients while minimally invasive approaches have shown to reduce muscle damage blood loss and post operative pain to perform this type of surgery correctly even highly skilled modern day surgeons must prepare themselves for a demanding learning curve for this reason aospine proudly presents minimally invasive spine surgery techniques evidence and controversies the most comprehensive book of its kind which includes more than 500 pages of surgical techniques illustrations case images tips and tricks and research providing an invaluable tool for spine surgeons around the world each technique is fully examined the pros and cons of each is objectively reviewed its spectrum of indications and contraindications is summarized historical and modern day controversies relating to each technique are discussed uniquely chapters in the text are further supported by an evidence based section summarizing research studies analysis and conclusions into each technique from peer reviewed journals the text covers more than just a range of interesting medical techniques by including brief historical introductions on each technique and the surgeons that explored and founded its methods their early sometimes self made instrumentation right through to todays current best practice this book provides an interesting informative and topical instruction on minimally invasive surgery and its increasingly encouraging results for spine patient care

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