

CAMBRIDGE

E-books
Available
for most
titles!

Epidemiology Titles from Cambridge University Press

Evidence for Health

From Patient Choice to Global Policy

ANNE ANDERMANN

Practical guide for health practitioners and policy-makers, demystifying evidence-informed decision-making from the individual clinical level to global policy.

\$48.00: Pb: 978-1-107-64865-4: 220 pp.

Introduction to Cancer Biology

ROBIN HESKETH

"In the era of internet access and publication databases, it is very challenging to introduce a book which is really useful both for new students and established practitioners. Robin Hesketh has succeeded remarkably well in doing so."

—Peter Selby, Director of the Leeds Institute of Molecular Medicine

\$120.00: Hb: 978-1-107-01398-8: 351 pp.

\$48.00: Pb: 978-1-107-60148-2

Introduction to Statistical Methods for Biosurveillance

With an Emphasis on Syndromic Surveillance

RONALD D. FRICKER

This book discusses the design and evaluation of statistical methods for effective biosurveillance for readers with minimal statistical training. Weaving public health and statistics together, it presents basic and advanced methods with a focus on empirically demonstrating added value. Although the emphasis is on epidemiologic and syndromic surveillance, the statistical methods can be applied to a broad class of public health surveillance problems.

\$80.00: Hb: 978-0-521-19134-0: 150 pp.

Preventing and Treating Missing Data in Longitudinal Clinical Trials

A Practical Guide

CRAIG H. MALLINCKRODT

This book focuses on the prevention and treatment of missing data in longitudinal clinical trials. The author offers a practical guide to key principles and explains analytic methods for the non-statistician using limited statistical notation and jargon. The book's goal is to present a comprehensive strategy for preventing and treating missing data, and to make available the programs used to conduct the analyses of the example dataset.

Practical Guides to Biostatistics and Epidemiology

\$99.00: Hb: 978-1-107-03138-8: 184 pp.

\$36.99: Pb: 978-1-107-67915-3

Genomic Clinical Trials and Predictive Medicine

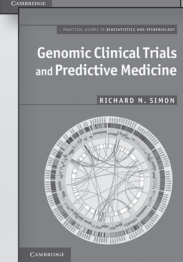
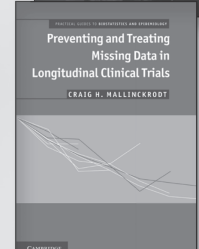
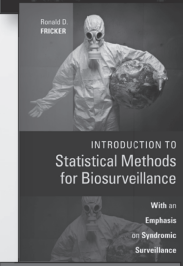
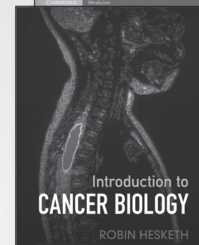
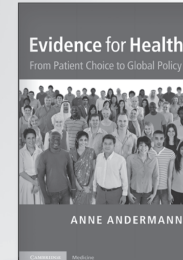
RICHARD M. SIMON

This book focuses on novel approaches that provide a reliable basis for identifying which patients are likely to benefit from each treatment. Aimed at both clinical investigators and statisticians, it covers the development and validation of prognostic and predictive biomarkers and their integration into clinical trials.

Practical Guides to Biostatistics and Epidemiology

\$110.00: Hb: 978-1-107-00880-9: 152 pp.

\$39.99: Pb: 978-1-107-40135-8



Prices subject to change.

www.cambridge.org/us/statistics
800.872.7423

@cambUP_maths



CAMBRIDGE
UNIVERSITY PRESS



IX International Conference on HFRS, HPS & Hantaviruses

June 5-7 2013
Beijing, China

For information visit: www.hantavirus2013.com

Key Note Lectures

Ho Wang Lee (KOREA): "Origins and Evolution of Hantavirus Research"

Jin Won Song, (KOREA) Award Lecture: "Hantavirus, from Hantaan river to Imjin river"

Dexin Li (CHINA): "HFRS and Hantaviruses in China"

Jan Clement (BELGIUM): "HFRS in the New, and HPS in the Old World: Paradi(se)gm lost - or regained?"

Luiz Tadeu Figueiredo Moraes (BRAZIL): "Hantaviruses in South America"

Tatjana Avsic (SLOVENIA): "Dobrava virus: past, present and future"

Ric Yanagihara (USA) Award Lecture: "Hantaviruses: A Story of Rediscovery and New Beginnings"

Anna Papa (GREECE): "Dobrava virus: Phylogeny, epidemiology, disease"

Detlev Kruger (GERMANY): "Epidemiology and clinical significance of highly pathogenic Sochi virus"

Alexander Plyusnin (FINLAND): "Genetic evidence for the presence of two distinct hantaviruses associated with Apodemus mice in Croatia and analysis of local strains"

Alemka Markotic (CROATIA): "Clinical and laboratory findings of HFRS patients in South-East Europe"

Colleen Jonsson (USA): "Structural Studies of Hantaan virus"

Dave Saffronetz (USA): "Animal models for hantaviral diseases"

Ellen Krautkramer (GERMANY): "Pathogenic old world hantaviruses infect renal glomerular and tubular cells and induce disassembling of cell-to-cell contacts"

Connie Schmaljohn (USA): "Phase 1 Clinical Studies of DNA vaccines for HFRS delivered by electroporation"

Antti Vaheri (FINLAND): "From pathogenesis of hantavirus infections to therapy"

EPIDEMIOLOGY & INFECTION

CONTENTS

Meningitis

REVIEW ARTICLE: The epidemiology of meningococcal disease in Latin America 1945–2010: an unpredictable and changing landscape

M. A. P. Sáfordi, S. González-Ayala, A. Jäkel, H. Wiewfer, C. Moreno & A. Vyse 447

Short Report: Seasonal variation in the incidence rate of tuberculous meningitis is associated with sunshine hours

D. H. Visser, J. F. Schoeman & A. M. Van Furth 459

Other Bacterial infections

The pertussis epidemic: informing strategies for prevention of severe disease

M. F. Clarke, K. Rasiyah, J. Copland, M. Watson, A. P. Koehler, K. Dowling & H. S. Marshall 463

Estimating the prevalence of active *Helicobacter pylori* infection in a rural community with global positioning system technology-assisted sampling

E. J. Melius, S. I. Davis, J. T. Redd, M. Lewin, R. Herlihy, A. Henderson, J. Sobel, B. Gold & J. E. Cheek 472

High prevalence of nasal carriage of β -lactamase-negative ampicillin-resistant *Haemophilus influenzae* in healthy children in Korea

S. M. Bae, J. H. Lee, S. K. Lee, J. Y. Yu, S. H. Lee & Y. H. Kang 481

Short Report: Antimicrobial resistance to benzylpenicillin in invasive pneumococcal disease in Belgium, 2003–2010: the effect of altering clinical breakpoints

M. C. Goossens, B. Catry & J. Verhaegen 490

Gastroenteritis

The estimated disease burden of norovirus in The Netherlands

L. Verhoef, M. Koopmans, W. Van Pelt, E. Duizer, J. Haagsma, D. Werber, L. Van Asten & A. Havelaar 496

CORRIGENDUM: The estimated disease burden of norovirus in The Netherlands

L. Verhoef, M. Koopmans, W. Van Pelt, E. Duizer, J. Haagsma, D. Werber, L. Van Asten & A. Havelaar 507

An outbreak of *Cyclospora* infection on a cruise ship

R. A. Gibbs, R. Nanyonjo, N. M. Pingault, B. G. Combs, T. Mazzucchelli, P. Armstrong, G. Tarling & G. K. Dowse 508

Gastrointestinal disease outbreaks in cycling events: are preventive measures effective?

R. Mexia, L. Vold, B. T. Heier & K. Nygård 517

Short Report: Nationwide surveillance study of human astrovirus infections in an Italian paediatric population

S. De Grazia, V. Martella, M. Chironna, F. Bonura, F. Tummo, A. Calderaro, P. Moschidou, G. M. Giammanco & M. C. Medici 524

***Cryptosporidium* spp. in calves and cows from organic and conventional dairy herds**

C. Silverlås & I. Blanco-Penedo 529

Analysis of the aetiology of diarrhoea in outpatients in 2007, Henan province, China

M. Zhu, S. Cui, L. Lin, B. Xu, J. Zhao, S. Xia, W. Deng, Z. Xie, J. Zhang, Z. Wang, Z. Feng, W. Yang & L. Ran 540

Hepatitis

Use of PCR for detection of faecal HAV as a screening tool in an outbreak of hepatitis A in daycare centres

B. O. Rump, O. Visser, M. J. M. Te Wierik, H. Vennema & E. B. Fanyo 549

Seroprevalence of hepatitis A virus antibody in a population aged 0–30 years in Shanghai, China: implications for hepatitis A immunization

Y. Zhu, Z. Yuan, Q. Zhao, G. Chen & B. Xu 556

Hepatitis C prevalence in injecting drug users in Europe, 1990–2007: impact of study recruitment setting

M. Rondy, L. Wiessing, S. J. Hutchinson, C. Mathei, F. Mathis, V. Mravcik, L. Norden, M. Rosiriska, O. Scutelnicu, B. Sulgoi, F. Vallejo, M. Van Veen & M. Kretzschmar 563

Zoonoses and animal infections

Social contact patterns and leprosy disease: a case-control study in Bangladesh

S. G. Feenstra, Q. Nahar, D. Pahan, L. Oskam & J. H. Richardus 573

Short Report: Outbreak of mastitis in sheep caused by multi-drug resistant *Enterococcus faecalis* in Sardinia, Italy

G. Sanciu, G. Marogna, B. Paglietti, P. Cappuccinelli, G. Leori & P. Rappelli 582

Leptospirosis following a major flood in Central Queensland, Australia

J. K. G. Smith, M. M. Young, K. L. Wilson & S. B. Craig 585

Short Report: Estimated cumulative incidence of West Nile virus infection in US adults, 1999–2010

L. R. Petersen, P. J. Carson, B. J. Biggerstaff, B. Custer, S. M. Borchardt & M. P. Busch 591

Short Report: Serological investigations on West Nile virus in birds and horses in Shanghai, China

D. L. Lan, C. S. Wang, B. Deng, J. P. Zhou, L. Cui, C. Tang, H. Yue & X. G. Hua 596

Detection of HPAI H5N1 viruses in ducks sampled from live bird markets in Vietnam

M. Q. Phan, W. Henry, C. B. Bui, D. H. Do, N. V. Hoang, N. T. Thu, T. T. Nguyen, T. D. Le, T. Q. Diep, K. Inui, J. Weaver & J. Carrique-Mas 601

Pathogenic *Yersinia enterocolitica* O:3 isolated from a hunted wild alpine ibex

S. Joutsen, E. Sarno, M. Fredriksson-Ahomaa, N. Cernela & R. Stephan 612

Correspondence: To the Editor: Spatial incidence of dengue infections in Queensland, Australia

Scott A. Ritchie, Jeffrey N. Hanna, Christine E. Selvey & Richard C. Russell 618

Correspondence: Spatial incidence of dengue infections in Queensland, Australia – author reply

W. Hu, A. Clements, G. Williams & S. Tong 619

Vaccination

Age-specific vaccine effectiveness of seasonal 2010/2011 and pandemic influenza A(H1N1) 2009 vaccines in preventing influenza in the United Kingdom

R. G. Pebody, N. Andrews, D. M. Fleming, J. McMenamin, S. Cottrell, B. Smyth, H. Durnall, C. Robertson, W. Carman, J. Ellis, P. Sebastian-Pillai, M. Zambon, C. Kearns, C. Moore, D. Rh. Thomas & J. M. Watson 620

Nasal carriage of *Streptococcus pneumoniae* serotypes and *Staphylococcus aureus* in *Streptococcus pneumoniae*-vaccinated and non-vaccinated young children

N. H. T. M. Dukers-Muijers, E. Stobberingh, P. Beisser, R. C. H. Boesten, P. Jacobs & C. J. P. A. Hoebe 631

Socio-cultural determinants of anticipated acceptance of an oral cholera vaccine in Western Kenya

N. Sundaram, C. Schaetti, C.-L. Chaignat, R. Hutubessy, E. O. Nyambetha, L. A. Mbonga & M. G. Weiss 639

Seroepidemiology of mumps in Europe (1996–2008): why do outbreaks occur in highly vaccinated populations?

J. Eriksen, I. Davidkin, G. Kafatos, N. Andrews, C. Barbara, D. Cohen, A. Duks, A. Griskevicius, K. Johansen, K. Bartha, B. Kriz, G. Mitis, J. Mossong, A. Nardone, D. O'Flanagan, F. De Ory, A. Pistol, H. Theeten, K. Proscenc, M. Slacikova & R. Pebody 651

Unhealthy behaviour

Short Report: Unhealthy behaviour is contagious: an invitation to exploit models for infectious diseases

D. J. Blok, P. Van Empelen, F. J. Van Lenthe, J. H. Richardus & S. J. De Vlas 667

Cambridge Journals Online

For further information about this journal please go to the journal web site at: journals.cambridge.org/hyg



MIX
Paper from
responsible sources
FSC® C018575

CAMBRIDGE
UNIVERSITY PRESS