

# First View Articles

The following papers have recently been published online ahead of print in *Epidemiology and Infection*.

To read the abstracts, and access the full text of these papers, please visit [journals.cambridge.org/HYGforthcoming](https://journals.cambridge.org/HYGforthcoming)

**Title:** Incidence of respiratory pathogens in persons hospitalized with pneumonia in two provinces in Thailand

**Authors:** S. J. Olsen, S. Thamthitiwat, S. Chantra, M. Chittaganpitch, A. M. Fry, J. M. Simmerman, H. C. Baggett, T. C. T. Peret, D. Erdman, R. Benson, D. Talkington, L. Thacker, M. L. Tondella, J. Winchell, B. Fields, W. L. Nicholson, S. Maloney, L. F. Peruski, K. Ungchusak, P. Sawanpanyalert and S. F. Dowell

**doi:** 10.1017/S0950268810000646

**Title:** Campylobacteriosis outbreak associated with ingestion of mud during a mountain bike race

**Authors:** T. L. Stuart, J. Sandhu, R. Stirling, J. Corder, A. Ellis, P. Misa, S. Goh, B. Wong, P. Martiquet, L. Hoang and E. Galanis

**doi:** 10.1017/S095026881000049X

**Title:** Use of serology and urine antigen detection to estimate the proportion of adult community-acquired pneumonia attributable to *Streptococcus pneumoniae*

**Authors:** J. P. Watt, J. C. Moisi, R. L. A. Donaldson, R. Reid, S. Ferro, C. G. Whitney, M. Santosham and K. L. O'Brien

**doi:** 10.1017/S0950268810000555

**Title:** Subtypes and variants of *Mycoplasma pneumoniae*: local and temporal changes in Germany 2003–2006 and absence of a correlation between the genotype in the respiratory tract and the occurrence of genotype-specific antibodies in the sera of infected patients

**Authors:** R. Dumke, H. von Baum, P. C. Lück and E. Jacobs

**doi:** 10.1017/S0950268810000622

**Title:** Low diversity of foot-and-mouth disease serotype C virus in Kenya: evidence for probable vaccine strain re-introductions in the field

**Authors:** A. K. Sangula, H. R. Siegismund, G. J. Belsham, S. N. Balinda, C. Masembe and V. B. Muwanika

**doi:** 10.1017/S0950268810000580

**Title:** Characteristics of norovirus gastroenteritis outbreaks in a psychiatric centre

**Authors:** C. Y. Tseng, C. H. Chen, S. C. Su, F. T. Wu, C. C. Chen, G. Y. Hsieh, C. H. Hung and C. P. Fung

**doi:** 10.1017/S0950268810000634

**Title:** Estimating influenza-related excess mortality and reproduction numbers for seasonal influenza in Norway, 1975–2004

**Authors:** J. M. Gran, B. Iversen, O. Hungnes and O. O. Aalen

**doi:** 10.1017/S0950268810000671

**Title:** Human papillomavirus vaccination and social inequality: results from a prospective cohort study

**Authors:** S. A. Roberts, L. Brabin, R. Stretch, D. Baxter, P. Elton, H. Kitchener and R. McCann

**doi:** 10.1017/S095026881000066X

**Title:** Population-based surveillance study of *Campylobacter* infections in Finland

**Authors:** U.-M. Nakari, E. Huovinen, M. Kuusi and A. Siitonen

**doi:** 10.1017/S0950268810000567

**Title:** Diarrhoea morbidity and mortality in older children, adolescents, and adults

**Authors:** C. L. Fischer Walker and R. E. Black

**doi:** 10.1017/S0950268810000592

**Title:** Age, influenza pandemics and disease dynamics

**Authors:** A. L. Greer, A. Tuite and D. N. Fisman

**doi:** 10.1017/S0950268810000579

**Title:** What is the evidence of a role for host genetics in susceptibility to influenza A/H5N1?

**Authors:** P. Horby, H. Sudoyo, V. Viprakasit, A. Fox, P. Q. Thai, H. Yu, S. Davila, M. Hibberd, S. J. Dunstan, Y. Monteerarat, J. J. Farrar, S. Marzuki and N. T. Hien

**doi:** 10.1017/S0950268810000518

**Title:** Risk factors associated with observed clinical lumpy skin disease in Ethiopia

**Authors:** G. Gari, A. Waret-Szkuta, V. Grosbois, P. Jacquiet and F. Roger

**doi:** 10.1017/S0950268810000506

**Title:** Low hepatitis B immunogenicity of a hexavalent vaccine widely used in Germany: results of the German Health Survey for Children and Adolescents, 2003–2006

**Authors:** P. Jorgensen, C. Poethko-Müller, W. Hellenbrand, W. Jilg, W. Thierfelder, C. Meyer, M. an der Heiden, M. Schlaud and D. Radun

**doi:** 10.1017/S0950268810000543

**Title:** Characterization of pseudorabies virus of wild boar origin from Europe

**Authors:** T. Müller, B. G. Klupp, C. Freuling, B. Hoffmann, M. Mojcic, I. Capua, V. Palfi, B. Toma, W. Lutz, F. Ruiz-Fon, C. Gortázar, A. Hlinak, U. Schaarschmidt, K. Zimmer, F. J. Conraths, E. C. Hahn and T. C. Mettenleiter

**doi:** 10.1017/S0950268810000361

**Title:** Risk factors for indigenous *Campylobacter jejuni* and *Campylobacter coli* infections in The Netherlands: a case-control study

**Authors:** Y. Doorduyn, W. E. van den Brandhof, Y. T. H. P. van Duynhoven, B. J. Breukink, J. A. Wagenaar and W. van Pelt

**doi:** 10.1017/S095026881000052X

**Title:** Disease burden of post-infectious irritable bowel syndrome in The Netherlands

**Authors:** J. A. Haagsma, P. D. Siersema, N. J. de Wit and A. H. Havelaar

**doi:** 10.1017/S0950268810000531

**Title:** Investigation of Pontiac-like illness in office workers during an outbreak of Legionnaires' disease, 2008

**Authors:** N. Nicolay, M. Boland, M. Ward, L. Hickey, C. Collins, M. Lynch, M. McCarthy and J. O'Donnell

**doi:** 10.1017/S0950268810000403

**Title:** Evaluation of *VcA* VNTR as a strain-typing and phylogeny study method of *Vibrio cholerae* strains

**Authors:** T. S. Bhowmick, M. Das and B. L. Sarkar

**doi:** 10.1017/S0950268810000427

# EPIDEMIOLOGY & INFECTION

## CONTENTS

### REVIEW ARTICLE

#### Causality in acute encephalitis: defining aetiologies

J. Granerod, R. Cunningham, M. Zuckerman, K. Mutton, N. W. S. Davies, A. L. Walsh, K. N. Ward, D. A. Hilton, H. E. Ambrose, J. P. Clewley, D. Morgan, M. P. Lunn, T. Solomon, D. W. G. Brown & N. S. Crowcroft

783

#### Call for Papers: Encephalitis

801

### ORIGINAL PAPERS

#### Modelling and methods

#### Seventy-five years of estimating the force of infection from current status data

N. Hens, M. Aerts, C. Faes, Z. Shkedy, O. Lejeune, P. van Damme & P. Beutels

802

#### Evaluation of interventions and vaccination strategies for low pathogenicity avian influenza: spatial and space-time analyses and quantification of the spread of infection

P. Mulatti, M. E. H. Bos, L. Busani, M. Nielsen & S. Marangon

813

#### Understanding influenza virus-specific epidemiological properties by analysis of experimental human infections

C.-M. Liao, S.-C. Yang, C.-P. Chio & S.-C. Chen

825

#### Influenza-attributable mortality in Australians aged more than 50 years: a comparison of different modelling approaches

A. T. Newall, C. Viboud & J. G. Wood

836

#### The space-time clustering of highly pathogenic avian influenza (HPAI) H5N1 outbreaks in Bangladesh

S. S. U. Ahmed, A. K. Ersbøll, P. K. Biswas & J. P. Christensen

843

#### Mathematical modelling of respiratory syncytial virus (RSV): vaccination strategies and budget applications

L. Acedo, J. Díez-Domingo, J.-A. Moraño & R.-J. Villanueva

853

#### Modelling multi-type transmission of pneumococcal carriage in Bangladeshi families

P. Erästö, F. Hoti, S. M. Granat, Z. Mia, P. H. Mäkelä & K. Auranen

861

#### Automated use of WHONET and SaTScan to detect outbreaks of *Shigella* spp. using antimicrobial resistance phenotypes

J. Stelling, W. K. Yih, M. Galas, M. Kulldorff, M. Pichel, R. Terragno, E. Tuduri, S. Espetxe, N. Binsztein, T. F. O'Brien, R. Platt & Collaborative Group WHONET-Argentina

873

#### A mathematical model of the indirect effects of rotavirus vaccination

T. van Effelterre, M. Soriano-Gabarró, S. Debrus, E. Claire Newbern & J. Gray

884

#### Comparison of three time-series models for predicting campylobacteriosis risk

J. Weisent, W. Seaver, A. Odoi & B. Rohrbach

898

#### Disease transmission model for community-associated *Clostridium difficile* infection

A. M. Otten, R. J. Reid-Smith, A. Fazil & J. S. Weese

907

#### The transmission of nosocomial pathogens in an intensive care unit: a space-time clustering and structural equation modelling approach

S. P. Rushton, M. D. F. Shirley, E. A. Sheridan, C. V. Lanyon & A. G. O'Donnell

915