

# 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](http://journals.cambridge.org/HYGforthcoming)

**Title:** An ecological analysis of sociodemographic factors associated with the incidence of salmonellosis, shigellosis, and *E. coli* O157:H7 infections in US counties

**Authors:** M. Chang, S. L. Groseclose, A. A. Zaidi and C. R. Braden

**doi:** 10.1017/S0950268808001477

**Title:** Methicillin-resistant *Staphylococcus aureus* in people living and working in pig farms

**Authors:** I. V. F. van den Broek, B. A. G. L. van Cleef, A. Haenen, E. M. Broens, P. J. van der Wolf, M. J. M. van den Broek, X. W. Huijsdens, J. A. J. W. Kluytmans, A. W. van de Giessen and E. W. Tiemersma

**doi:** 10.1017/S0950268808001507

**Title:** Phenotypic and molecular characterization of *Staphylococcus aureus* strains of veterinary, dairy and human origin

**Authors:** M. Gonano, I. Hein, P. Zangerl, A. Rammelmayr and M. Wagner

**doi:** 10.1017/S0950268808001453

**Title:** Community-wide outbreak of *Escherichia coli* O157:H7 associated with consumption of frozen beef burgers

**Authors:** L. A. King, A. Mailles, P. Mariani-Kurkdjian, C. Vernozzy-Rozand, M. P. Montet, F. Grimont, N. Pihier, H. Devalk, F. Perret, E. Bingen, E. Espié and V. Vaillant

**doi:** 10.1017/S0950268808001490

**Title:** Syndromic surveillance: sensitivity and positive predictive value of the case definitions

**Authors:** G. Guasticchi, P. Giorgi Rossi, G. Lori, S. Genio, F. Biagetti, S. Gabriele, P. Pezzotti and P. Borgia

**doi:** 10.1017/S0950268808001374

**Title:** Effectiveness of influenza vaccination in the elderly in South Africa

**Authors:** A. van Vuuren, P. Rheeder and E. Hak

**doi:** 10.1017/S0950268808001386

**Title:** Impact of reduced numbers of isolates phage-typed on the detection of *Salmonella* outbreaks

**Authors:** G. Kafatos, N. Andrews, I. A. Gillespie, A. Charlett, G. K. Adak, E. De Pinna and E. J. Threlfall

**doi:** 10.1017/S0950268808001234

**Title:** Socioeconomic risk factors for bacteraemic pneumococcal pneumonia in adults

**Authors:** J. H. Flory, M. Joffe, N. O. Fishman, P. H. Edelstein and J. P. Metlay

**doi:** 10.1017/S0950268808001489

**Title:** Human papillomavirus vaccination: what is the best choice? A comparison of 16 strategies by means of a decisional model

**Authors:** R. Gasparini, D. Amicizia, P. Manfredi, F. Ansaldi, C. Lucioni, G. Gallelli and D. Panatto

**doi:** 10.1017/S0950268808001441

**Title:** Associations between infectious mononucleosis and cancer: record-linkage studies

**Authors:** M. J. Goldacre, C. J. Wotton and D. G. R. Yeates

**doi:** 10.1017/S0950268808001246

**Title:** Outbreak of meningococcal disease in and around New Delhi, India, 2005–2006: a report from a tertiary care hospital

**Authors:** D. Nair, R. Dawar, M. Deb, M. R. Capoor, S. Singal, D. J. Upadhyay, P. Aggarwal, B. Das and J. C. Samantaray

**doi:** 10.1017/S0950268808001398

**Title:** Household structure and infectious disease transmission

**Authors:** T. House and M. J. Keeling

**doi:** 10.1017/S0950268808001416

**Title:** The incidence of pneumonia using data from a computerized general practice database

**Authors:** P. R. Myles, T. M. McKeever, Z. Pogson, C. J. P. Smith and R. B. Hubbard

**doi:** 10.1017/S0950268808001428

**Title:** Ovine-associated Q fever

**Authors:** D. Webster, D. Haase, T. J. Marrie, N. Campbell, J. Pettipas, R. Davidson and T. F. Hatchette

**doi:** 10.1017/S0950268808001404

**Title:** A simulation model for diarrhoea and other common recurrent infections: a tool for exploring epidemiological methods

**Authors:** W.-P. Schmidt, B. Genser and Z. Chalabi

**doi:** 10.1017/S095026880800143X

**Title:** Large *Salmonella* Enteritidis outbreak with prolonged transmission attributed to an infected food handler, Texas, 2002

**Authors:** M. E. Beatty, G. Shevick, K. Shupe-Ricksecker, E. Bannister, A. Tulu, K. Lancaster, N. Alexander, D. E. Zellner, E. Lyszkowicz and C. R. Braden

**doi:** 10.1017/S0950268808001362

**Title:** Inter- and intra-specific exposure to parasites and pathogens via the faecal–oral route: a consequence of behaviour in a patchy environment

**Authors:** L. A. Smith, G. Marion, D. L. Swain, P. C. L. White and M. R. Hutchings

**doi:** 10.1017/S0950268808001313

**Title:** Tularemia in Germany: the tip of the iceberg?

**Authors:** W. D. Splettstoesser, I. Piechotowski, A. Buckendahl, D. Frangoulidis, P. Kaysser, W. Kratzer, P. Kimmig, E. Seibold and S. O. Brockmann for the EMIL Study Group

**doi:** 10.1017/S0950268808001192

**Title:** Spatial and spatio-temporal analysis of *Salmonella* infection in dairy herds in England and Wales

**Authors:** S. E. Fenton, H. E. Clough, P. J. Diggle, S. J. Evans, H. C. Davison, W. D. Vink and N. P. French

**doi:** 10.1017/S0950268808001349

# EPIDEMIOLOGY & INFECTION

## CONTENTS

### REVIEW ARTICLE

**Avian influenza vaccines: a practical review in relation to their application in the field with a focus on the Asian experience**

M. Peyre, G. Fusheng, S. Desvaux & F. Roger 1

### ORIGINAL PAPERS

#### *Surveillance*

**An intervention to improve notifiable disease reporting using ambulatory clinics**

M. J. Trepka, G. Zhang & F. Leguen 22

#### *Viral infections*

**Isolation compliance among university students during a mumps outbreak, Kansas 2006**

F. A. Soud, M. M. Cortese, A. T. Curns, P. J. Edelson, R. H. Bitsko, H. T. Jordan, A. S. Huang, J. M. Villalon-Gomez & G. H. Dayan 30

**Epidemiology and cost of herpes zoster and post-herpetic neuralgia in the United Kingdom**

A. Gauthier, J. Breuer, D. Carrington, M. Martin & V. Rémy 38

**Contact patterns and their implied basic reproductive numbers: an illustration for varicella-zoster virus**

T. Van Effelterre, Z. Shkedy, M. Aerts, G. Molenberghs, P. Van Damme & P. Beutels 48

**Socioeconomic disparities in the seroprevalence of cytomegalovirus infection in the US population: NHANES III**

J. B. Dowd, A. E. Aiello & D. E. Alley 58

**Hospitalization rates for human metapneumovirus infection among 0- to 3-year-olds in Gipuzkoa (Basque Country), Spain**

G. Cilla, E. Oñate, E. G. Perez-Yarza, M. Montes, D. Vicente & E. Perez-Trallero 66

**Molecular characterization of the E gene of dengue virus type 1 isolated in Guangdong province, China, in 2006**

K. Zheng, H.-Q. Zhou, J. Yan, C.-W. Ke, A. Maeda, J. Maeda, I. Takashima, I. Kurane, H. Ma & X.-M. Xie 73

#### *Hepatitis*

**The unexpected discovery of a focus of hepatitis C virus genotype 5 in a Syrian province**

N. Antaki, M. Haddad, K. Kebbewar, J. Abdelwahab, O. Hamed, R. Aaraj, N. Alhaj, S. Haffar, M. Assil, M. Ftayeh, F. Assaad, D. Doghman, T. Ali, M. Nassereldine, A. Ali, F. Antaki & the Syrian Working Group for the Study of Viral Hepatitis 79

#### *Bacterial infections*

**Multiclonal outbreak of methicillin-resistant *Staphylococcus aureus* infections on a collegiate football team**

A. J. Hall, D. Bixler & L. E. Haddy 85

**Magnitude of bacteraemia is a predictor of mortality during 1 year of follow-up**

K. O. Gradel, M. Søgaard, C. Dethlefsen, H. Nielsen & H. C. Schönheyder 94

#### *Salmonellas*

**Multiplex PCR for differential diagnosis of emerging typhoidal pathogens directly from blood samples**

A. Ali, Abdul Haque, Asma Haque, Y. Sarwar, M. Mohsin, S. Bashir & A. Tariq 102

#### *Other gastro-intestinal infections*

**Spread of a large plasmid carrying the *cpe* gene and the *tcp* locus amongst *Clostridium perfringens* isolates from nosocomial outbreaks and sporadic cases of gastroenteritis in a geriatric hospital**

S. Kobayashi, A. Wada, S. Shibasaki, M. Annaka, H. Higuchi, K. Adachi, N. Mori, T. Ishikawa, Y. Masuda, H. Watanabe, N. Yamamoto, S. Yamaoka & T. Inamatsu 108

**Transmission and quantification of verocytotoxin-producing *Escherichia coli* O157 in dairy cattle and calves**

J. M. Schouten, E. A. M. Graat, K. Frankena, F. Van Zijderveld & M. C. M. De Jong 114

#### *Vaccines*

**Effectiveness of an acellular pertussis vaccine in Japanese children during a non-epidemic period: a matched case-control study**

K. Okada, Y. Ohashi, F. Matsuo, S. Uno, M. Soh & S. Nishima 124

#### *Mycobacteria*

**Use of host population reduction to control wildlife infection: rabbits and paratuberculosis**

R. S. Davidson, G. Marion, P. C. L. White & M. R. Hutchings 131

#### *Helminths and protozoa*

**Screening methods in alveolar echinococcosis: a follow-up study comparing Emc- and Emf-ELISA with Em2plus-ELISA and ultrasonography**

M. M. Hänle, H.-M. Banzhaf, V. Forsbach-Birk, A. Kirch, A. S. Akinli, R. A. Mason, S. Reuter, & W. Kratzer for the EMIL Study Group 139