ISSN 1368-9800

Puolic Health Vutrition

An international journal published on behalf of The Nutrition Society by Cambridge University Press



Public Health Nutrition

Volume 14, 2011 ISSN: 1368–9800 Twelve issues per year

Aims and Scope

Public Health Nutrition provides an international forum for the publication and dissemination of research and scholarship in the form of peer-reviewed original papers and reviews, and for discussion in the form of editorials, commentaries, and correspondence, with a specific focus on nutrition-related public health.

The scope of *Public Health Nutrition* includes food systems and supplies, patterns of diet, foods and drinks, nutrients, body composition, physical activity, and associated factors, and their effects on disease, health and well-being, and the whole living and physical world. We welcome papers that:

- Address nutritional status assessment, monitoring, and surveillance
- Identify and analyse social, cultural, biological, environmental, economic and political determinants of nutrition-related public health
- Build intelligence about the development, implementation, and evaluation of public health nutrition interventions

- Describe, discuss, debate and influence food and nutrition policy
- Focus on improving food and nutrition-related public health, particularly in populations that are most vulnerable and at risk.
- Discuss and build capacity for effective public health nutrition action, including workforce development and educational issues
- Develop and test innovative and emerging models, methods and approaches to public health nutrition practice and research.

We prefer papers that are innovative (do not repeat research already undertaken elsewhere) and succinct (usually well under 5,000 words including references). Short communications are welcome. We publish research, scholarship, and discussions that take a population and preventive approach. In addition to original contributions, ideas and suggestions for topics for debate are also welcome. We publish special issues.

Public Health Nutrition is available on the Internet at: journals.cambridge.org/phn

International Editorial Board

Editor-in-Chief Professor Agneta Yngve

Department of Nursing, Nutrition and Management, Akershus University College Postboks 423, NO 2001 Lillestrøm, Norway Email: phn@nutsoc.org.uk

Deputy Editors

Research Professor Marilyn Tseng

California Polytechnic State University San Luis Obispo, USA

Dr Irja Haapala

University of Eastern Finland, Finland **Dr Allison Hodge**

University of Melbourne, Australia

Advisory Board

Professor Barbara Ainsworth, Arizona State University, USA

Professor Janet Cade, University of Leeds, UK Professor Emeritus Leif Hambraeus,

Karolinska Institutet, Sweden

Professor Carlos A Monteiro, University of São Paulo, Brazil

Professor Kerin O'Dea, University of South Australia, Australia

Professor Heizo Tanaka, Kanagawa Institute of Technology, Japan

Professor Hester Vorster, North-West University, South Africa

Associate Editors

Dr Faruk Ahmed, Kuwait University, Kuwait

Professor Lenore Arab, UCLA, Los Angeles, USA

Professor Thomas Baranowski, *Baylor College of Medicine, USA*

Dr Mary Barker,

University of Southampton, UK

Dr Francesco Branca, World Health Organization, Switzerland

Dr Victoria Burley, University of Leeds, UK Associate Professor Marly A. Cardoso, University of Sao Paulo, Brazil

Dr Junshi Chen, Institute of Nutrition and Food Hygiene, China

Dr Ilse de Bourdeaudhuij, Ghent University, Belgium

Dr Mikael Fogelholm, Academy of Finland, Finland

Dr Oliver Gillie, Health Research Forum, UK Associate Professor Ingibjorg

Gunnarsdottir, University of Iceland, Iceland

Dr Russell Jago, University of Bristol, UK **Dr Festo Kavishe,** UNICEF, Eritrea

Dr Nick Kennedy, Trinity College Dublin, Ireland

Professor Victor Kipnis, National Institutes of Health, USA

Dr Pagona Lagiou, University of Athens Medical School, Greece

Associate Professor Mark Lawrence, Deakin University, Australia

Professor Lauren Lissner, University of Gothenburg, Sweden

Ms Kaye Mehta, Flinders University, Australia

Professor Bent Egberg Mikkelsen, Aalborg University, Denmark

Dr Michael Nelson, University of London, UK

Dr Carmen Perez-Rodrigo, *Unidad de Nutrición Comunitaria*, *Spain*

Dr Kelley Pettee Gabriel, University of Texas Health Science Center, USA

Professor Pirjo Pietinen, National Public Health Institute, Finland

Dr Shobha Rao, Agharkar Research Institute, India

Dr Aiguo Ren, Peking University, China Dr Elio Riboli, Imperial College, London,

Dr David Roberts, Independent Consultant Professor Jaap Seidell, VU University, The Netherlands

Professor Lluis Serra-Majem, University of Las Palmas de Gran Canaria, Spain

Professor Rosely Sichieri, State University of Rio de Janeiro, Brazil

Dr Nelia Steyn, Human Sciences Research Council, RSA

Professor Inga Thorsdottir, *University of Iceland, Iceland*

Dr Katherine Tucker, Jean Mayer USDA HNRCA at Tufts University, USA

Professor Ricardo Uauy, London School of Hygiene & Tropical Medicine, UK, and INTA, Chile

Dr Megumi Utsugi, National Institute of Health and Nutrition, Japan

Dr Joop van Raaij, National Institute for Public Health and the Environment (RIVM), Netherlands

Professor Maria Daniel Vaz de Almeida, Porto University, Portugal

Professor Susan Walker, University of the West Indies, Jamaica

Dr Christopher Wharton, Arizona State University, USA

The Nutrition Society

The society has as its objective the advancement of the scientific study of nutrition and its application to the maintenance of human and animal health.

Particulars of The Nutrition Society and application forms for membership are available from the Honorary Secretary, The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, London W6 7NJ, UK. Telephone +44 (0)20 7602 0228, Fax +44 (0)20 7602 1756

The Nutrition Society home page is at: http://www.nutritionsociety.org