PUBLIC HEALTH NUTRITION

Volume 16

Number 5 (A)

May 2013

Available online at www.journals.cambridge.org/phn

Supplement

Abstracts of the World Nutrition Rio2012 Congress Special Issue Editors: Inês Rugani Ribeiro de Castro, Barrie M. Margetts and Sabrina Ionata de Oliveira Granheim



Public Health Nutrition

Volume 16, 2013 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 and evaluation of environmental and settings-based interventions focused on the availability of foods including interventions in the out of home eating environment.

Editor-in-Chief

Deputy Editors

Dr Irja Haapala

Applied Sciences, Norway **Advisory Board**

Research Professor Marilyn Tseng

California Polytechnic State University San Luis Obispo, USA Email: phn@nutsoc.org.uk

University of Eastern Finland, Finland

Dr Allison Hodge
University of Melbourne, Australia
Professor Agneta Yngve
Oslo and Akershus University College of

Professor Barbara Ainsworth, Arizona

Karolinska Institutet, Sweden

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

Professor Carlos A Monteiro, University of São Paulo, Brazil

Professor Kerin O'Dea, University of South Australia, Australia Professor Heizo Tanaka, Kanagawa

Dr Grietje Holtrop, University of Aberdeen, UK

Dr Faruk Ahmed, Kuwait University, Kuwait

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

and Food Hygiene, China Professor David Crawford, Deakin University,

Dr Junshi Chen, Institute of Nutrition

Professor Kylie Ball, Deakin University, Australia

Professor Thomas Baranowski,
Baylor College of Medicine, USA
Dr Mary Barker, University of Southampton, UK
Dr Maxine Bonham, Monash University, Australia
Dr Maree Brinkman, University of Melbourne,

Institute of Technology, Japan
Professor Hester Vorster, North-West
University, South Africa

Statistical Editor

First Editors

Australia

- Describe, discuss, debate and influence food and nutrition
- 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 and contribute new knowledge to the literature. Papers should be succinct (ie, 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

Dr Ilse de Bourdeaudhuij, Ghent University, Belgium Associate Professor Eva-Charlotte Ekström

Uppsala University, Sweden

Associate Professor Lia Fernald

University of California, Berkeley, USA **Dr Oliver Gillie,** Health Research Forum, UK Professor Ted Greiner

Hanyang University, Republic of Korea
Associate Professor Ingibjorg Gunnarsdottir
University of Iceland, Iceland
Dr Cécile Knai, London School of Hygiene &

Tropical Medicine, University of London, UK Professor Salome H Kruger, North-West

University, Potchefstroom, South Africa Dr Carl Lachat, Gent University, Belgium

Dr Pagona Lagiou, University of Athens Medical School, Greece
Professor Christel Lamberg-Allardt

University of Helsinki, Finlana

Associate Professor Mark Lawrence

Deakin University, Australia Professor Lauren Lissner, University of Gothenburg, Sweden

Associate Professor Geoffrey Marks

University of Queensland, Australia Ms Kaye Mehta, Flinders University, Australia Professor Bent Egberg Mikkelsen Aalborg University, Denmark

Associate Professor Annhild Mosdøl Oslo and Akershus University College of Applied Sciences, Norway

Assistant Professor Androniki Naska

University of Athens Medical School, Greece Assistant Professor Aydin Nazmi California Polytechnic State University, USA

Dr Punam Ohri-Vachaspati Arizona State University, USA

Dr Mohammadreza Pakseresht, University of Alberta, Canada

Professor Lisa Pawloski, George Mason

University, USA

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

Dr Kelley Pettee Gabriel, University of Texas

Health Science Center, USA

Dr Shobha Rao, Agharkar Research Institute, India Dr Aiguo Ren, Peking University, China Dr David Roberts, Independent Consultant, Australia

Associate Professor Eva Roos, Folkhälsan Research Institute, Finland

Professor Jaap Seidell, VU University, The Netherlands

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

Professor Rosely Sichieri, State University

of Rio de Janeiro, Brazil

Dr Nelia Steyn, Human Sciences Research Council, RSA

Professor Birgitta Strandvik Karolinska Institutet, Sweden Professor Boyd J G Strauss Monash University, Australia

Professor Janice Thompson, University of

Birmingham, UK
Professor Inga Thorsdottir, University of Iceland,

Iceland
Dr Anna Timperio, Deakin University, Australia
Dr Katherine Tucker, Jean Mayer USDA
HNRCA at Tufis University, USA
Dr Megumi Utsugi, National Institute of Health
and Nutrition, Japan
Dr Joop van Raaij, National Institute for
Public Health and the Environment (RIVM),
Netherland

Netherlands

Dr Stefanie Vandevijvere

Dr Stefanie Vandevijvere
Scientific Institute of Public Health, Belgium
Professor Maria Daniel Vaz de Almeida
Porto University, Portugal
Dr Eduardo Villamor, University of Michigan
School of Public Health, USA
Dr Karen Z Walker, Monash University, Australia
Dr Christopher Wharton, Arizona State

University, USA Associate Professor Elisabet Wirfält Lund University, Sweden Assistant Professor Wen You

Virginia Polytechnic University, USA Dr Shannon Zenk, University of Illinois

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

Abstracts of the World Nutrition Rio2012 Congress

Organised by World Public Health Nutrition Association, Brazilian Association of Public Health and Rio de Janeiro State University

Rio de Janeiro State University, Brazil - April 27–30, 2012

Special Issue Editors: Inês Rugani Ribeiro de Castro Barrie M. Margetts Sabrina Ionata de Oliveira Granheim

Abstracts from the World Nutrition Rio2012 Congress included in this supplement have been assessed by the Abstracts Evaluation Committee. They have not been peer-reviewed under the supervision of the Editor-in-Chief of Public Health Nutrition prior to publication, but may still be cited.