PUBLIC HEALTH NUTRITION

Volume 20

Number 15

October 2017

Available online at cambridge.org/phn



Public Health Nutrition

Volume 20, 2017 ISSN: 1368–9800 Eighteen 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* encompasses nutrition and nutrition policy at a population level, including work on assessment of nutritional status and nutritional environments, communication of nutrition-related information, implementation of programs and interventions, and sustainability of dietary patterns, food systems and supplies. We welcome papers that:

- Address assessment, monitoring, and surveillance of nutritional status or the quality of nutritional environments
- Describe the development and evaluation of methodology for assessment, monitoring, and surveillance in population-based samples
- Identify and analyse behavioural, social, cultural, environmental, economic, and political determinants of nutrition-related public health, and dietary and nutritional factors as determinants of health outcomes

Editor-in-Chief

Deputy Editors

Dr Carl Lachat

Dr Allison Hodge

Research Professor Marilyn Tseng

California Polytechnic State University

University of Melbourne, Australia

Dr Eduardo Villamor, University of Michigan

Mrs Zulfa Abrahams Human Sciences Research

Dr Flávia Barbosa State University of Rio de

Dr Vassiliki Bountziouka University College

London, UK

Mr Fabio S. Gomes National Cancer Institute. Brazil.

Dr Graham Horgan Rowett Institute, University

Systematic Reviews and Meta-Analyses Editor

Dominique Roberfroid, Institute of Tropical

Dr Leila Azadbakht, Isfahan University of

Medical Sciences, Iran
Dr Joaquin Barnoya, Washington University of

Dr Simon Barquera, National Institute of Public

Dr Kaleab Baye, Addis Ababa University, Ethiopia Dr Shawna Berenbaum, University of

Dr Maxine Bonham, Monash University, Australia

Dr Julie Kay Brimblecombe, Royal Darwin Hospital Campus, Australia

Dr. Stefanie Vandevijvere, University of

Supplement and Special Issues Editor

University of Eastern Finland, Finland

San Luis Obispo, USA Email: phn@nutsoc.org.uk

Gent University, Belgium

Auckland, New Zealand

Council, South Africa

Dr Eva Maria Navarrete Munoz

Medicine, Belgium

Associate Editors

Medicine, USA

Health, Mexico

Saskatchewan, Canada

Universidad Miguel Hernandez

Dr Irja Haapala

Statistics Editor

Janeiro, Brazil

School of Public Health, USA

- Build intelligence about the development, implementation, and evaluation of interventions and community nutrition programs and efforts
- Describe, discuss, debate and influence nutrition-related public policies
- Serve to build capacity for effective public health nutrition action, including workforce development and educational issues
- Develop perspectives and models to study diet and nutrition as related to the environment and sustainability.

We prefer papers that are innovative and contribute new knowledge to the literature. Papers should be succinct (ie, usually well under 5000 words not including the abstract, references, tables, figures and acknowledgements). Short communications (<2000 words) 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 Maree Brinkman, University of Melbourne, Australia

Dr Mona Calvo, U.S. Food and Drug Administration Department of Health and Human Services, USA

Professor Sandra Capra, University of Queensland, Australia

Professor Karen Cullen, Baylor College of Medicine, USA

Professor Lisbeth Dahl, National Institute of Nutrition and Seafood Research, Norway

Prof. Hélène Delisle, University of Montreal, Canada Dr Colleen Doak, VU University, Amsterdam Professor Mieke Faber, Medical Research Council, South Africa

Dr. Anouk Geelen, Wageningen University, The Netherlands

Professor Ted Greiner Hanyang University, Republic of Korea

Dr Jennifer L Harris, Yale University, USA Dr Sophie Hieke, European Food Information

Council (EUFIC), Belgium

Dr Alexis Hure, University of Newcastle, Australia

Dr Lucia Kaiser, UC Davis, USA

Dr John Kearney Dublin Institute of Technology Dr Bridget Kelly, University of Wollongong, Australia Dr Colette Kelly, National University of Ireland, Northern Ireland

Professor Sharon Kirkpatrick University of Waterloo, Canada

Dr Cécile Knai, London School of Hygiene & Tropical Medicine, University of London, UK

Professor Salome H Kruger, North-West
University, Potchefstroom, South Africa
Dr. Ciedy Leyeng, University of California

Dr Cindy Leung, University of California, United States

Dr Nanna Lien, University of Oslo, Norway Dr Rachael McLean, University of Otago, New Zealand

Prof Alida Melse, Wageningen University, Netherlands
Asst. Professor Leia Minaker, University of
Waterloo. Canada

Assistant Professor Androniki Naska University of Athens Medical School, Greece **Professor Wendy Oddy,** University of Western Australia, Australia

Dr Punam Ohri-Vachaspati Arizona State University, USA

Asst. Professor Gabrielle O'Kane, University of Canberra, Australia

Professor Nicholas Ollberding, Cincinnati Children's Hospital Medical Center, United States

Professor Nina Overby, University of Agder, Norway Dr Demosthenes Panagiotakos, Harokania University, Greece

Harokopio University, Greece
Dr Natalie Parletta, University of South Australia,
Australia
Dr Emma Patterson, Centre for Epidemiology

and Social Science
Professor Lisa Pawloski, George Mason

University, USA
Dr Natalie Pearson, Loughborough University, UK
Dr Dora Romaguera-Bosch Imperial College
London, UK

Professor Rosangela Pereira, Federal University of Rio de Janeiro, Brazil

Associate Professor Eva Roos, Folkhälsan Research Institute, Finland

Professor Marjanne Senekal University of Cape Town, South Africa

Dr Kevin Sullivan, Rollins School of Public Health at Emory University, USA

Professor Inge Tetens National Food Institute, Denmark

Dr Lukar E Thornton, Deakin University, Australia Dr Anne Marie Thow, University of Sydney, Australia Professor Gavin Turrell, Queensland University of Technology, Australia

Technology, Australia

Prof Jolieke Van der Pols University of
Queensland, Australia

Dr Wendy Van Lippevelde University of Gent, Belgium

Dr Jesus Vioque, Universidad Miguel Hernandez, Spain Dr Christina Vogel University of Southampton, UK

Dr Christina Vogel University of Southampton, UF Dr Yanfang Wang, Peking University Clinical Research Institute, China

Dr. Wilma E. Waterlander, University of Auckland, New Zealand Assistant Professor Wen You

Assistant Professor Wen You
Virginia Polytechnic 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