Public Health Nutrition

Volume 23, 2020 ISSN: 1368–9800 journals.cambridge.org/phn

Publishing, Production, Marketing, and Subscription Sales Office:

Cambridge University Press Journals Fulfillment Department University Printing House Shaftesbury Road Cambridge CB2 8BS UK

For Customers in North America:

Cambridge University Press 1 Liberty Plaza Floor 20, New York NY 10006 USA

Special sales and supplements

This journal accepts advertising and inserts. We also provide bulk reprints of suitable papers to meet teaching or promotional requirements. The journal also publishes supplementary material including conference proceedings on behalf of academic and corporate sponsors. Please contact Sarah Maddox at Cambridge University Press for further details (email: smaddox@cambridge.org).

Subscription information

Public Health Nutrition is an international journal published 18 times per year by Cambridge University Press on behalf of the Nutrition Society. The online edition is available at

journals.cambridge.org/PHN, with free table of contents alert (upon registration).

Annual subscription rates

Volume 23, 2020 (18 issues): Internet/print package: £1391/\$2669 Americas only/€2230 EU only Internet only: £1007/\$1911 Americas only/€1601 EU only

Any supplements to this journal published in the course of the annual volume are normally supplied to subscribers at no extra charge.

Claims for non-receipt of journal issues will be considered on their merit and only if the claim is received within six months of publication. Replacement copies supplied after this date will be chargeable.

Advertising: The Nutrition Society is willing to include advertisements in its journals. However, it will retain the right to make decisions on which advertisements are acceptable and which are not, and will not be obliged to give reasons to prospective advertisers for its decisions. The appearance of an advertisement in the Society's journals does not imply endorsement by the Society. For further details, please contact Cambridge University Press.

Back volumes will be available in due course. Please contact Cambridge University Press for further information.

US POSTMASTERS: Please send address corrections to Cambridge University Press 1 Liberty Plaza Floor 20, New York NY 10006 USA

Notes for Authors are available from the publisher at the given address and can be found inside the back cover.

Offprints: The author (or main author) of an accepted paper will receive a free PDF of their paper. Additional offprints are available for a fee and must be ordered at proof stage. **No page charges are levied by this journal.**

Copyright: As of 1 January 2001 the copyright of all articles submitted to *Public Health Nutrition* are retained by the authors or their institutions. For articles prior to this date permission for reproduction of any part of the journal (text, figures, tables or other matter) in any form (on paper, microfiche or electronically) should be sought directly from the Society, at: The Editorial Office, The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, Hammersmith, London, W6 7NJ, UK.

Disclaimer: The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable, but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk. Neither the Society, nor Cambridge University Press accepts responsibility for any trade advertisement included in this publication.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information. Typeset by Macmillan India Limited, Bangalore, India and Printed in Europe by Bell and Bain, Glasgow.

Public Health Nutrition is covered in Science Citation Index Expanded (Web of Science), Current Contents, Agriculture, Biology & Environmental Sciences, Current Contents, Clinical Medicine, CAB ABSTRACTS[®], Global Health, Index Medicus[®] (MEDLINE[®]), EMBASE, Excerpta Medica, BIOSIS[®] Database and CINAHL[®] Database *Public Health Nutrition* participates in the following initiatives: HINARI by WHO and AGORA by FAO.

Public Health Nutrition

Notes for Authors

Public Health Nutrition (PHN) provides a forum for the presentation of original research findings and high quality reviews of key topics, and for discussion of and debate on of current issues and controversies. It also publishes special issues on major topics of interest. Our field includes research, scholarship, and discussions on public health nutrition, that take a population, health promoting and preventive approach. Papers that do not have this emphasis may be directed to more appropriate journals. Potential contributors are encouraged to read the aims and scope of the journal, and to note and follow the guidelines set out below.

Content:

- Original research findings and scientific reviews are published as full papers usually less than 5000 words, not including the abstract, references, tables, figures and acknowledgements.
- **Editorials** express the opinion of the journal, as represented by its central editorial team, on topics judged by them to be important. Editorials, including guest editorials, are usually co-ordinated and developed by the editorial team.
- **Position papers,** including declarations and other statements of policy, may be invited or unsolicited.
- **Invited commentaries and book reviews** are expressions of opinion on a topical subject. These are commissioned by the members of the editorial team.
- Letters to the Editors are usually in response to material published in *PHN*. Submissions are sent to the author for comment and, when possible, published together with the author's reply.

Submission: PHN operates an online submission and reviewing system. All manuscripts should be submitted to http://mc.manuscriptcentral.com/phnutr. Please contact the Editorial Office on phn.edoffice@cambridge.org regarding any other types of submission.

Refereeing: Review articles and articles reporting original research are subject to external review by two or more referees who evaluate manuscripts based on their importance, relevance, and originality. Authors are asked to submit names and contact details (including email address) of up to four potential referees. All other contributions (editorials, position papers, invited commentaries, book reviews, and letters to the Editors) undergo an internal review process by at least two members of the editorial team. Invited commentaries and book reviews may also be checked externally as necessary to avoid technical errors and to improve salience.

Copyright: At the time of acceptance, authors will be asked to provide a completed copy of the 'Licence to Publish' (in lieu of copyright transfer), available at https://www.nutritionsociety. org/. It is the author's responsibility to obtain written permission to reproduce any material (including text and figures) that has appeared in another publication.

Preparation of manuscripts: Please refer to the full Directions to Contributors on our website (http://www.nutritionsociety. org). Manuscripts should be in clear and concise English, and spelling should follow the Oxford English Dictionary. For authors whose native tongue is not English, in-house editorial attention to their contributions will improve clarity. On acceptance, all contributions are subject to editorial amendment to conform to house style. Manuscripts should be prepared in a common word processing package (Word for Windows is preferred) in Times New Roman or other common typeface, prepared with double-spaced text, at least 2 cm margins, and page and line numbers. Standard abbreviations and SI units must be used.

Disclosure of financial support and any competing

interests. The submission must include a statement within an Acknowledgements section reporting any competing interests (financial and non-financial), all sources of funding, and the nature of the contribution of each author to the manuscript. If there are no competing interests, this must be stated. Authors are asked to provide this information during the submission process and should not include it as part of the manuscript to allow for double-blind reviewing.

Arrangement of papers:

- Title page should include the article title, author(s), affiliation(s), up to eight keywords, one author identified for correspondence (with full postal address, telephone and fax numbers, and email address), and a running title of up to 45 characters. The title page should be submitted online as a separate cover letter, not as part of the manuscript, to enable double-blind reviewing.
- 2. **Abstract** should be structured, usually using the following internal headings: Objective, Design, Setting, Subjects, Results, Conclusions. Abstracts should be intelligible without reference to text or figures and should not exceed 250 words.
- 3. Text should be divided under headings (typically to include Introduction, Methods, Results, Discussion and Conclusions), and sub-headings as appropriate. Conclusions should include recommendations that derive from the research and that are concrete, feasible, and potentially effective. Emphasising that more research is needed is usually not necessary unless there is specific reason to say so. All submissions must include a statement that the research was conducted in accordance with guidelines laid down by the Declaration of Helsinki and approved by an ethics review committee.
- 4. Acknowledgements (sources of funding, competing interests declaration, authorship responsibilities, acknowledgements) should be provided during the submission process, not as part of the manuscript.
- 5. **References** should be in Vancouver style. Please refer to the full Directions to Contributors.
- 6. **Tables** should be reduced to the simplest form and should not be used where text or figures give the same information. Each table must be accompanied by a clear and concise caption that is comprehensible without reference to the text. Longer tables may be published online only.
- 7. **Figures** should be numbered, and legends should be provided. Each figure, with its legend, should be comprehensible without reference to the text and include definitions of abbreviations.

Proofs: Correspondence and proofs for correction will be emailed to the first named author unless otherwise indicated. The author will receive a PDF proof for checking. It is important that proofs be returned promptly. Authors may be charged for any alterations in excess of 10% of original setting.

Offprints: The corresponding author will receive a PDF of the published paper free of charge. Offprints are available to purchase and must be ordered before publication.

PUBLIC HEALTH NUTRITION, VOLUME 23 - NUMBER 8

Monitoring and surveillance		Behavioural nutrition		Healthful and less-healthful foods and	
A systematic review, and meta-analysis, examining the prevalence of price promotions on foods and whether they are more likely to be found on less-healthy foods Asha Kaur, Thomas Lewis, Veronika Lipkova, Santhushya Fernando, Mike Rayner, Richard A Harrington, Wilma Waterlander and Peter Scarborough	1281	Factors associated with frequent consumption of fast food among Australian secondary school students <i>Maree Scully, Belinda Morley,</i> <i>Philippa Niven, David Crawford,</i> <i>Iain S Pratt and Melanie Wakefield</i> Weekly variation in diet and physical activity among 4–75-year-old Danes <i>Matilda Nordman, Jeppe Matthiessen,</i> <i>Anja Biltoft-Jensen, Christian Ritz and</i>	1340	drinks from storefront and non-storefront businesses: implications for 'food deserts', 'food swamps' and food-source disparities Sean C Lucan, Andrew R Maroko, Achint N Patel, Ilirjan Gjonbalaj, Brian Elbel and Clyde B Schechter Community nutrition Malaysian adolescents' perceptions of healthy eating: a qualitative study Sharifah Intan Zainun Sharif Ishak,	1428
Assessment and methodology		Mads F Hjorth	1350	Yit Siew Chin, Mohd Nasir Mohd Taib	
Validity of a dish composition database for estimating protein, sodium and potassium intakes against 24 h urinary excretion:comparison with a standard food composition database Nana Shinozaki, Kentaro Murakami, Shizuko Masayasu and Satoshi Sasaki The relevance of whole grain food definitions in estimation of whole	1297	Nutritional epidemiology Dietary inflammatory index potentially increases blood pressure and markers of glucose homeostasis among adults: findings from an updated systematic review and meta-analysis Mahdieh Abbasalizad Farhangi, Leila Nikniaz, Zeinab Nikniaz and Parvin Dehghan	1362	and Zalilah Mohd Shariff A survey of Chinese consumers' knowledge, beliefs and behavioural intentions regarding salt intake and salt reduction Si Chen, Liran Christine Shan, Wanting Tao, Ting Lu, Áine Regan, Hongwei Han, Lixia Guo, Taotao Deng and Patrick Wall	1440
grain intake: a secondary analysis		Four decades of socio-economic inequality and secular change in the		Public policies	
of the National Nutrition and Physical Activity Survey 2011–2012 Katrina R Kissock, Elizabeth P Neale and Eleanor J Beck	1307	physical growth of Guatemalans Liina Mansukoski, William Johnson, Katherine Brooke-Wavell, J Andres Galvez-Sobral, Luis Furlán,		Examining school-level implementation of British Columbia, Canada's school food and beverage sales policy:	
Nutritional status and body composition		Tim J Cole and Barry Bogin	1381	a realist evaluation Adrienne V Levay, Gwen E Chapman,	
Shift in body fat distribution from lower body to upper body among urban Colombian women, 1988–1989 to 2007–2008 <i>Richard L Bender, Traci A Bekelman,</i> <i>Paul A Sandberg, Darna L Dufour and</i> <i>Julio C Reina</i>	1320	Whole grain intake compared with cereal fibre intake in association to CVD risk factors: a cross-sectional analysis of the National Diet and Nutrition Survey (UK) Eden M Barrett, Birdem Amoutzopoulos, Marijka J Batterham, Sumantra Ray and Eleanor J Beck	1392	Barb Seed and Hannah Wittman	1460
Serum 25-hydroxyvitamin D concentrations in 16-year-old lcelandic adolescent and its association with bone mineral density <i>SL Gudmundsdottir, H Hrafnkelsson,</i>	1220	Whole grain and cereal fibre intake in the Australian Health Survey: associations to CVD risk factors <i>Eden M Barrett, Marijka J Batterham</i> <i>and Eleanor J Beck</i>	1404		
EL Sigurdsson and E Johannsson	1329	Economics and environment			
Nutritional communication Homemade infant formula recipes may contain harmful ingredients: a quantitative content analysis of blogs Sutton A Davis, Linda L Knol, Kristi M Crowe-White, Lori W Turner and Erin McKinley	1334	Government data <i>v.</i> ground observation for food-environment assessment: businesses missed and misreported by city and state inspection records <i>Sean C Lucan, Andrew R Maroko,</i> <i>Courtney Abrams, Noemi Rodriguez,</i> <i>Achint N Patel, Ilirjan Gjonbalaj,</i> <i>Clyde B Schechter and Brian Elbel</i>	1414	Cambridge Core For further information about this journal please go to the journal website at: cambridge.org/phn	





MIX Paper from responsible sources FSC[®] C007785



https://doi.org/10.1017/51368980020001391 Published online by Cambridge University Press