

Public Health Nutrition

Volume 16, 2013 ISSN: 1368-9800
journals.cambridge.org/phn

Publishing, Production, Marketing, and Subscription Sales Office:

Cambridge University Press
The Edinburgh Building
Shaftesbury Road
Cambridge CB2 8RU
UK

For Customers in North America:

Cambridge University Press
Journals Fulfillment Dept
100 Brook Hill Drive
West Nyack
New York 10994-2133
USA

Publisher: Katy Christomanou

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 Katy Christomanou at Cambridge University Press for further details (email: kchristomanou@cambridge.org).

Subscription information

Public Health Nutrition is an international journal published 12 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 16, 2013 (12 issues):
Internet/print package: £886/\$1700 Americas only/€1420 EU only
Internet only: £675/\$1280 Americas only/€1420 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
Public Health Nutrition
Cambridge University Press
100 Brook Hill Drive
West Nyack
New York 10994-2133
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 (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, including references.
- **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 (eJournalPress). All manuscripts must be submitted online at <http://phn.msubmit.net/>. If any difficulties are encountered, please contact the Publications Office at phn@nutsoc.org.uk

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.nutritionociety.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.nutritionociety.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, 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:

1. **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.

Editorials

Making nutrition work for development
C Lachat 1529

The year 2013: nutrition at the top of
the global agenda
A Lartey 1531

**HOT TOPIC – Nutrition in low and middle
income countries**

Adequacy of child anthropometric
indicators for measuring nutritional
stress at population level: a study from
Niakhar, Senegal
*M Garenne, B Maire, O Fontaine
and A Briend* 1533

The importance of controlling for the
acute-phase response in the
population-based assessment of
vitamin A status: a study in children of
pre-school age in Uganda
*R Baingana, D Matovu-Kasozi
and D Garrett* 1540

Maternal HIV infection and other factors
associated with growth outcomes of
HIV-uninfected infants in Entebbe,
Uganda
*L Muhangi, SA Lule, H Mpairwe,
J Ndibazza, M Kizza, M Nampijja,
E Nakazibwe, M Kihembo, AM Elliott
and EL Webb* 1548

Food photographs in portion size
estimation among adolescent
Mozambican girls
*L Korkalo, M Erkkola, L Fidalgo,
J Nevalainen and M Mutanen* 1558

Severe malnutrition among children
under the age of 5 years admitted to a
rural district hospital in southern
Mozambique
*T Nhampossa, B Sigauque, S Machevo,
E Macete, P Alonso, Q Bassat,
C Menéndez and V Fumadó* 1565

Geographic distribution and
socio-economic determinants of women's
nutritional status in Mali households
CA Gewa, TF Leslie and LR Pawloski 1575

Excessive iodine intake, water chemicals
and endemic goitre in a Sudanese
coastal area
AMMH Medani, AA Elnour and AM Saeed 1586

School snacks decrease morbidity in
Kenyan schoolchildren: a cluster
randomized, controlled feeding
intervention trial
*CG Neumann, NO Bwibo, L Jiang
and RE Weiss* 1593

Simulation of the effect of maize
porridge fortified with grain amaranth
or micronutrient powder containing
NaFeEDTA on iron intake and status in
Kenyan children
*CW Macharia-Mutie, AM Omusundi,
JM Mwai, AM Mwangi and ID Brouwer* 1605

What works and why? Evaluation of a
community nutrition programme in
Kenya
*K Havemann, P Pridmore, A Tomkins
and KD Garn* 1614

Effect of settlement on nutrition and
health status of pastoral Gabra women
of reproductive age in Kalacha Location,
Marsabit County, Kenya
*AO Adongo, B Shell-Duncan
and J Prisca Tuitoek* 1622

Food security and development in South
Sudan: a call to action
H Tappis, S Doocy, A Paul and S Funna 1631

Food consumption patterns and
nutrition transition in South-East Asia
*NI Lipoeto, K Geok Lin
and I Angeles-Agdeppa* 1637

Nutritional deficiency and arsenical
manifestations: a perspective study
in an arsenic-endemic region of
West Bengal, India
*D Deb, A Biswas, A Ghose, A Das,
KK Majumdar and DN Guha Mazumder* 1644

Testing the fetal overnutrition
hypothesis; the relationship of maternal
and paternal adiposity to adiposity,
insulin resistance and cardiovascular
risk factors in Indian children
*SR Veena, GV Krishnaveni, SC Karat,
C Osmond and CHD Fall* 1656

The Adolescent Girls' Anaemia Control
Programme: a decade of programming
experience to break the inter-generational
cycle of malnutrition in India
VM Aguayo, K Paintal and G Singh 1667

High blood manganese in iron-deficient
children in Karachi
MA Rahman, B Rahman and N Ahmed 1677

Physical activity patterns and correlates
among adults from a developing country:
the Sri Lanka Diabetes and
Cardiovascular Study
*P Katulanda, R Jayawardana,
P Ranasinghe, MH Rezvi Sheriff
and DR Matthews* 1684

Trends in energy and nutrient supply in
Trinidad and Tobago from 1961 to 2007
using FAO food balance sheets
T Sheehy and S Sharma 1693

Socio-economic inequalities in
malnutrition among children and
adolescents in Colombia: the role of
individual-, household- and
community-level characteristics
*S Garcia, OL Sarmiento, I Forde
and T Velasco* 1703

Corrigendum

Physical activity patterns and correlates
among adults from a developing country:
the Sri Lanka Diabetes and
Cardiovascular Study – Corrigendum
*P Katulanda, R Jayawardana,
P Ranasinghe, MH Rezvi Sheriff
and DR Matthews* 1719

Cambridge Journals Online For further
information about this journal please
go to the journal website at:
journals.cambridge.org/phn