



የኢትዮጵያ ጤና ልማት መጽሔት

The Ethiopian Journal of Health Development



Joint Scholarly Publication of the Ethiopian Public Health Association and the
School of Public Health, College of Health Sciences, Addis Ababa University

Editorial

Editor-in-Chief

Mirgissa Kaba

- 219 **Methodological Implications of Longitudinal Studies in Public Health Research: Examples from Jimma Longitudinal Family Survey of Youth** - *Tefera Belachew*

Original articles

Editorial Assistant

Eshetu Girma

- 221 **Magnitude and patterns of child sexual abuse: A retrospective cross-sectional study among male pediatric patients at Tikur Anbessa Specialized Hospital (Ethiopia)** – *Muluwork Tefera*
- 228 **Cross-generational sexual relationship in Addis Ababa: A qualitative study** – *Bezawit Ketema, Yemane Berhane*
- 236 **Dust exposure levels among street sweepers in Bole sub-city, Addis Ababa, Ethiopia** – *Abera Kumie, Samson Wakuma, Magne Bratveit, Wakgari Deressa, Simon Manuya, Betelihem Teshome, Bente E. Moen*
- 244 **Prevalence and risk factors for low back pain (LBP) among taxi drivers in Addis Ababa, Ethiopia: A community based cross-sectional study** – *Melaku Erjabo Wanamo, Samson Wakuma Abaya, Ayele Belechew Aschalew*
- 251 **Health impacts of Bedbug Infestation: A case of five towns in Amhara region, Ethiopia** – *Daniel Mekonnen, Yohannes Zenebe, Awoke Derbie, Yesuf Adem, Derese Hailu, Wondemagegn Mulu, Fetlework Bereded, Zewdie Mekonnen, Endalew Yizengaw, Begna Tulu, Fantahun Biadglegne, Adane Mihret, Ulrich Sack*
- 259 **Knowledge, attitude and practice of residents in medical research and barriers: A cross-sectional survey at Tikur Anbessa Specialized Hospital** – *Tamirat Moges, Milliard Deribew, Damen Hailemariam*

266 **Human resources for public health supply chain management in Ethiopia: Competency mapping and training needs** – *Teferi Gedif Fenta*

Update

275 **Bibliography on HIV/AIDS in Ethiopia and Ethiopians in the Diaspora: The 2016 Update -**
*Mesfin S. Mulatu, Helmut Kloos, Paul J. Converse, Mirgissa Kaba, Damen Haile Mariam,
Wubegzier Mekonnen*

308. **Letter to the editor**

The Ethiopian Journal of Health Development

Editor-in-Chief:

Mirgissa Kaba

Editorial Assistant:

Eshetu Girma

Editorial Board

Adugna Woyessa

Afewerk Kassu

Girma Taye

Mitike Molla

Solomon Shiferaw

Tefera Belachew

Wubegzier Mekonnen

Yibeltal Assefa

Editorial Advisors

Prof. Ahemed Ali (Epidemiologist Addis Ababa University, Ethiopia)

Prof. Alemayehu Worku (Biostatistics and Public Health, Addis Ababa University, Ethiopia)

Prof. Amaha Mekasha (Pediatrics, Addis Ababa University, Ethiopia)

Dr. Assefa Hailemariam (Population Studies, Addis Ababa University, Ethiopia)

Prof. Bernt Lindtjörn (International Health, University of Bergen, USA)

Dr. Charlotte Hanlon (Psychiatry, Addis Ababa University, Ethiopia)

Prof. Damen Hailemariam (Health Economics, Addis Ababa University, Ethiopia)

Prof. Derege Kebede (Public Health, WHO, Zimbabwe)

Prof. Eyasu Mekonnen (Pharmacology, Addis Ababa University, Ethiopia)

Prof. Fikre Enquesselassie (Biostatistics, Addis Ababa University, Ethiopia)

Dr. Gail Davey (Global Health Epidemiology, Brighton & Sussex Medical School, UK)

Prof. Getu Degu (Biostatistics, Bahir Dar University, Ethiopia)

Prof. Helmut Kloos (Public Health, University of California, USA)

Prof. Lulu Muhe (Epidemiology and Public Health, Addis Ababa University, Ethiopia)

Dr. Michelle Kaufman (Psychology, Johns Hopkins University, USA)

Dr. Paul Converse (Immunology and Infectious Disease, Johns Hopkins University, USA)

Prof. Rajiv R. Rimal (Health Communication, George Washington University, USA)

Dr. Shabbir Ismail (Public Health, Elizabeth Glaser Pediatric AIDS Foundation, USA)

Prof. Tsige Gebremariam (Pharmacology, Addis Ababa University, Ethiopia)

Prof. Yemane Berhane (Epidemiology, Addis Continental Institute of Public Health, Ethiopia)

Meskerem Bezuayehu (Publication Secretary)

Kidist Sahlu (Administration Assistant)

Copyright©Ethiopian Public Health Association & the School of Public Health, Addis Ababa University. All rights reserved. This Journal, or any parts thereof, may not be reproduced in any manner without written permission.

The *Ethiopian Journal of Health Development* is published three times a year by the Ethiopian Public Health Association & the School of Public Health, Addis Ababa University.

The *Journal* is jointly sponsored by the Ethiopian Public Health Association and the Addis Ababa University.

All articles published in the *Journal*, including editorials, represent the opinion of the authors and do not necessarily reflect the official policy of the Ethiopian Public Health Association, the Editorial Board of the *Journal* or the institution with which the author is affiliated, unless this is clearly specified.

Address all correspondence to: *The Ethiopian Journal of Health Development*, Tikur Anbessa Hospital, P.O. Box 32812, Addis Ababa, Ethiopia; Telephone: +251 1 513628, or +251 1 157701; Fax: +251 1 517701 or +251 1 5148 70.

Annual subscription rates: Ethiopia 60.00 Birr; outside Ethiopia 75.00 US Dollars.

All prices include postage payment arrangements are:

1. Check must be written to be payable to the Ethiopian Public Health Association; and acct. no 1000000992357
2. The check must be mailed to the Ethiopia Journal of Health Development P.O. Box 32812, Addis Ababa, Ethiopia.

Publication of this issue was financially supported by the Ethiopian Public Health Association, the Ethiopian Science and Technology Commission (through a grant from Sida/SAREC), and Addis Ababa University and by the U.S. Centers for Disease Control and Prevention (CDC) through EPHA/CDC Cooperative Agreement for improving HIV/AIDS/ STI/TB related public health practice and service delivery (Grant # U22 CCUO22179-02).

EPHA Executive Board Members list

Fikreab Kebede (President)

Fekerte Belete (Vice President)

Aster Tsegaye (Member)

Damitew Woldemariam (Member)

Amsalu Feleke (Member)

Belaynew Wassie (Member)

Kebede Derbie (Member)

Alemayehu Mekonnen (Non-voting member)

Instructions for Authors

General: The Ethiopian Journal of Health Development (EJHD) is a multi-disciplinary scientific publication of broad field of health development. The journal is a joint publication of the Ethiopian Public Health Association (EPHA) and the School of Public Health (SPH), Addis Ababa University (AAU).

EJHD publishes original research outcomes, brief communications, book reviews and special issues/supplements. More specifically, the Journal focus on important topics in health development that include: health policy and planning; health service management, health behavior and communication, monitoring and evaluation; health administration and organization of health services; hospital administration; health human resources; health economics, financing; health informatics and health information systems; maternal and child health; sexual reproductive health; environmental health and water; food and nutrition; communicable, non-communicable diseases and Neglected Tropical Diseases; community participation and partnership; drug supply and distribution; indigenous medicine; social determinants of health; and broader topics health care technologies.

Manuscript: The manuscript should be submitted in electronic copy online on the journal's website www.ejhd.org. The submitting/corresponding author should create username on the journal before the submission following instructions. Authors can obtain procedures of online submission from the journal website. The following instructions relating to submissions must be adhered to. Failure to conform may result in rejection or delay in publication.

Typescripts: Each article to be submitted should be prepared in MS word format: Times New Romans, 1.5 font size and double spaced with a margin of 25 mm (1 inch). Manuscripts of original research works exceeding 2000 words excluding the title page, acknowledgment, tables and illustrations are not encouraged. The absolute word limit is 3000. The first page should carry the title. Potential identifier such as name and addresses of the authors should not appear in the main body of the manuscripts rather on the online submission system of the journal a **structured abstract** of not more than 250 words summarizing the background; objective, methods, important findings and conclusions must be typed on a separate page. The main text body should be divided under appropriate headings: Introduction, Methods, Results, Discussion, Acknowledgments, and References. The acknowledgment section should not appear in the main body to avoid potential identifier.

Tables and Figures: These should be presented on a separate page after reference section and should be numbered with Arabic numerals consecutively in the order of their citation in the text. Only up to five tables and or figures are accepted in one manuscript. Line drawings or graphs should be in black and white color. Their approximate positions should be indicated in the text.

Abbreviations and Symbols: Only standard abbreviations should be used. Abbreviations must be avoided in the title and abstract sections. In cases unavoidable abbreviations must be preceded by their full description in the first use.

Brief Communication: All requirements for a full article apply for brief communication. Exceptions are the following:

abstract not exceeding 75 words, text should not exceed 600 words, only one table or figure, and a maximum of eight references.

References: References should be numbered consecutively in the order in which they are first mentioned in the text and should be listed in numerical order on a separate sheet at the end of the manuscript. References must follow the Vancouver style which is fully described in the "uniform Requirements for Manuscript Submitted to Biomedical Journals" as recommended by the *International Committee of Medical Journal Editors, refer to JAMA. 1997;277:92 7-934* (also available at <http://www.slackinc.com/unireq.htm>, accessed as of March 2004).

Ethics: All studies on human subjects must have been conducted in accordance with national and international ethical standards. Patient's name, initials or hospital numbers must be removed when submitting a manuscript.

Conflict of Interest: Authors are responsible for declaring any conflict of interest related to the submitted research work. The source of funding for the research work should be acknowledged.

Authorship: As recommended by the *International Committee of Medical Journal Editors*- "All persons designated as authors should qualify for authorship. Each author should have participated sufficiently in the work to take official responsibility for the content. Authorship credits should be based only on substantial contributions to **1)** conception and design, or analysis and interpretation of data; and to **2)** drafting the article or revising it critically for important intellectual content; and on **3)** final approval of the version to be published. Conditions 1, 2, and 3 must all be met. Participation solely in the acquisition of funding or the collection of data does not justify authorship. General supervision of the research group is not sufficient for authorship."

Acknowledgments: These should be limited to most important contributions. Authors are responsible for obtaining permission for all persons acknowledged in their manuscript. Acknowledgment must be placed on separate page.

Galley Proofs: Galley proofs will be sent to the corresponding author. The corrected proof must be returned to the editorial office within 72 hours of receipt, and in any event within one week. Delay in returning corrected proofs may result in the paper being held over to the next issue or being published uncorrected. At this stage, corrections must only be limited to essential and editorial mistakes.

Rejected Manuscripts: Authors will be notified on rejected manuscripts either upon submission depending on whether it meets basic requirements or following revisions if the manuscript still is not up to expectations

Supplements or Special publication: Supplements/special issues focusing on important public health policies, programs and training are encouraged. However, the full cost of the publication must be covered by authors or a sponsoring organization. Contact the Editor in Chief for more information.

Copyright: It is a condition of publication that authors transfer copyright of their articles, including abstracts, to the School of Public Health, Addis Ababa University. Authors may use their article elsewhere after publication provided that proper acknowledgment is given to the *Journal* as the original source of publication, and the Editor-in-Chief is notified.