**Scial, Economic and Cultural Influences on Adolescent Nutrition and Physical Activity in Jimma, Ethiopia: Perspectives from Adolescents and their Caregivers**

Mubarek Abera\*1, Polly Hardy-Johnson2, Alemseged Abdissa3,4, Abdulhalik Workicho5, Rahma Ali5, Susie Weller 6, Caroline Fall2, Sarah H Kehoe2, Mary Barker2, Abraham Haileamlak1, on behalf of the TALENT collaboration.

**Affiliation**

1Faculty of Medical Sciences, Institute of Health, Jimma University, Ethiopia

2MRC Lifecourse Epidemiology unit, Southampton General Hospital, University of Southampton, UK

3Armauer Hansen Research Institute (AHRI), Addis Ababa, Ethiopia

4Faculty of Health Sciences, Institute of Health, Jimma University, Ethiopia

5Faculty of Public Health, Institute of Health, Jimma University, Ethiopia

6ESRC National Centre for Research Methods, University of Southampton, Southampton, UK

**Email Contact:** MA: abmubarek@gmail.com; AA: alemseged.abdissa@gmail.com ; AW:abdulhalikw@gmail.com; RA: rahmiii.ali@gmail.com; AH: kasechab@gmail.com

**Corresponding author:** Dr. Mubarek Abera, Faculty of Medical sciences, Institute of Health, Jimma University, Jimma, Ethiopia. Phone: +251918968803;Email: abmubarek@gmail.com; mubarek.abera@ju.edu.et

**Short title:** Adolescent nutrition, health and & physical activity

**Financial source:** This study was funded by a Global Challenges Research Fund/Medical Research Council pump priming grant (grant number: MC\_PC\_MR/R018545/1). The funders had no involvement in the design, implementation, analysis or decision to prepare a manuscript or to publish the finding. The authors have declared no conflicts of interest.

**Acknowledgements:** The researchers would like to thank the participants of this study volunteering and for devoting their time to the study, Jimma University for facilitating the local arrangements and the TALENT collaboration for supporting the study technically.

The TALENT collaboration comprises:

**Laurence Adonis-Koffy**, Yopougon University Hospital Faculty of Medical Sciences - UFHB de Cocody Abidjan Ivory Coast; **Ulka Banavalli**, BKL Walawalkar Hospital and Rural Medical College, Dervan, India; **Edna Bosire**, University of the Witwatersrand, Johannesburg, South Africa; **Harsha Chopra**, Centre for the Study of Social Change, Mumbai, India; **Meera Gandhi**, Centre for the Study of Social Change, Mumbai, India; **Abraham Haileamlak**, College of Public Health and Medical Sciences, Jimma University, Jimma, Ethiopia; **Ramatoulie Janha**, MRC Keneba, MRC Unit The Gambia; MRC Keneba, **Landing Jarjou**, MRC Unit The Gambia; **Julie Jesson**, Inserm U1027, University of Toulouse, Paul Sabatier**,** France; **Shama Joseph**, Epidemiology Research Unit, CSI Holdsworth Memorial Hospital, Mysore, India; **Kejal Joshi Reddy**, Unit, KEM Hospital, Pune, India; **Elizabeth Kimani-Murage**, African Population and Health Research Center (APHRC), Nairobi, Kenya; **Egnon Kouakou**, PAC-CI, Abidjan, Ivory Coast; **GV Krishnaveni**, Epidemiology Research Unit, CSI Holdsworth Memorial Hospital, Mysore, India; **Kalyanaraman Kumaran**, MRC Lifecourse Epidemiology Unit, University of Southampton and Head, UK and Epidemiology Research Unit, CSI Holdsworth Memorial Hospital, Mysore, India; **Valeriane Leroy**, Inserm U1027, University of Toulouse, Paul Sabatier**,** France; **Sophie Moore**, Kings College London, London, UK; **Shane Norris**, Developmental Pathways Research Unit, University of the Witwatersrand, Johannesburg, South Africa; **Suvarna Patil**, BKL Walawalkar Hospital and Rural Medical College, Dervan, India; **Sirazul Ameen Sahariah**, Centre for the Study of Social Change, Mumbai, India; **Kate Ward**, MRC Lifecourse Epidemiology Unit, University of Southampton, UK; **Stephanie Wrottesley**, University of the Witwatersrand, Johannesburg, South Africa; **Chittaranjan Yajnik**, Diabetes Research Unit, KEM Hospital, Pune, India; **Pallavi Yajnik**, Diabetes Research Unit, KEM Hospital, Pune, India.

**Authorship:** MA and RA have collected, transcribed and translated the data. MA, RA and AW analyzed the data and wrote the manuscript. All authors had reviewed and approved the final version of the manuscript. PHJ, SW, MB and CF had supported the data analysis. CF was the principal investigator of the overall project, AH was the PI and MA was lead researcher for the local (Jimma) study. All authors read and approved the final version of the manuscript.

**Ethics**: This study was conducted according to the guidelines laid down in the Declaration of Helsinki and all procedures involving research study participants were approved by the institutional review board of Jimma University, ID number: IHRPGO/406/2018). Written informed consent was obtained from all subjects/patients.