

Review article

# Real-life effectiveness of 'improved' stoves and clean fuels in reducing PM<sub>2.5</sub> and CO: Systematic review and meta-analysis

Daniel Pope<sup>a,\*</sup>

danpopeliverpool.ac.uk

Nigel Bruce<sup>a</sup>

Mukesh Dherani<sup>a</sup>

Kirstie Jago<sup>a</sup>

Eva Rehfues<sup>b</sup>

<sup>a</sup>Department of Public Health and Policy, University of Liverpool, UK

<sup>b</sup>Institute for Medical Informatics, Biometry and Epidemiology, LMU Munich, Germany

\*Corresponding author at: Department of Public Health and Policy, Whelan Building, University of Liverpool, Merseyside L69 3GB, UK.

## Abstract

### Background

2.8 billion people cook with solid fuels, resulting in almost 3 million premature deaths from household air pollution (HAP). To date, no systematic assessment of impacts on HAP of 'improved' stove and clean fuel interventions has been conducted.

### Objective

This systematic review synthesizes evidence for changes in kitchen and personal PM<sub>2.5</sub> and carbon monoxide (CO) following introduction of 'improved' solid fuel stoves and cleaner fuels in low- and middle-income countries (LMIC).

Quick Links

0 Queries

Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8

Please check the layout of Tables 1 to 6 if correct.  
Reply  Yes  No  
Attach (optional) Limit upto 20 MB/file  
Choose File no file selected

Edit Log

Corrections were submitted via Proof Central (Online method) for this article. No further modification can be made via this interface.