IAQG and Ensuring the Health Benefits of Clean Cooking

Brief Comments

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What Are the Available ‘Clean’ Stove and Fuel Interventions?  

Tier 3 and 4: Indoor Emissions  
For complete list of stoves, visit catalog.cleancookstoves.org
How Clean Is Clean Enough to Impact Child Survival?
More evidence along the ALRI “Integrated Exposure Response Curve”

Figure 2

Relative Risk

Incidence

PM$_{2.5}$ (µg/m$^3$)

Ghana RCT
Nepal RCT
Nigeria RCT

ambient air pollution
second hand smoke
household air pollution (Guatemala RCT)

LPG / Ethanol
Advanced Biomass
Rocket Stove
Priority: How Clean Enough Do We Have To Be To Achieve Adult Health Benefits?

Ischaemic Heart Disease

Stroke

COPD

Lung Cancer

Burnett et al, 2014
Beyond Pollution: Preventing Cooking-Related Burns and Injuries

~ 300,000 deaths from fire-related burns each year
• 95% occur in low-and middle-income countries

Surveillance: what proportion is cooking-related?
• Alliance, CDC, and WHO burns working group to increase data on the causes and risk factors of severe burn injuries
  • Burns registry launched in India in 2013, plans to expand to Sub-Saharan Africa

International Standards (ISO) for Cookstoves and Fuels
• Development and dissemination of safety standards to prevent burns and severe injuries

Awareness Raising
• Pilot burns prevention programs
• Preventive strategies include: raised stoves, stable pots, enclosed fires, increased public awareness, barriers to keep children away from fire, regulated stoves and fuels