Best Practice Pneumonia Demonstration Projects: Improving outcomes through innovation

Pneumonia Roundtable

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Why innovation?

Every 20 seconds, a child dies of pneumonia

- Most pneumonia deaths are preventable through innovations in protection, prevention and treatment
- Technology innovations and innovative strategies/approaches
  - New diagnostics to improve identification of pneumonia
  - Pulse oximetry at lower level health facilities and in the community to assess severity
  - User-friendly product presentation of amoxicillin dispersible tablets to facilitate treatment adherence
  - Improved cookstoves to reduce household air pollution
  - mHealth technologies to aid in delivery of existing evidence-based interventions to those at risk
- However, evaluation of these innovations is critical
Why evaluation?

Innovations exist but need to be evaluated “on the ground”

• Field testing and improvement, an iterative process
• Validation of “clinical” performance
• Assessment of feasibility, acceptability and usability by providers and caregivers
• Understanding care-seeking behaviors and perceptions
• Costing studies, market analyses
• Consideration of how to integrate into existing systems?
• Assessment of outcomes: Reduce treatment failure? Improve uptake, adherence?
• Monitor and measure impact
Case Study:
Vaccine Vial Monitors (VVMs)

VVMs are labels for vaccine vials that register cumulative heat exposure over time.
Case Study:
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A call to action

- Evaluation of existing innovations
- Dissemination of results and lessons learned
- Scale-up of high impact interventions
- Advocacy, empowerment and mobilization of resources
- Establishment of policies and guidelines
- Education, training and health systems strengthening (trained providers, consistent supply, etc.)
- Coordination, integration, partnership – whatever works
- Encourage development of new innovations