

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



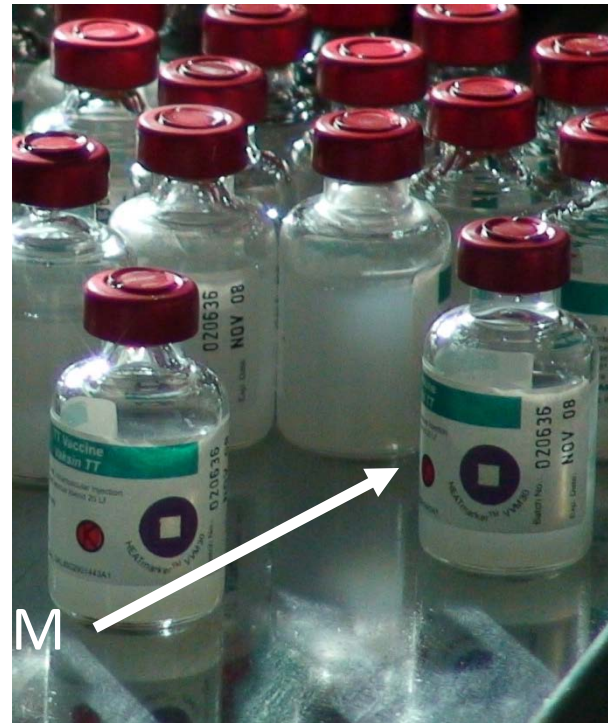
Why evaluation?

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

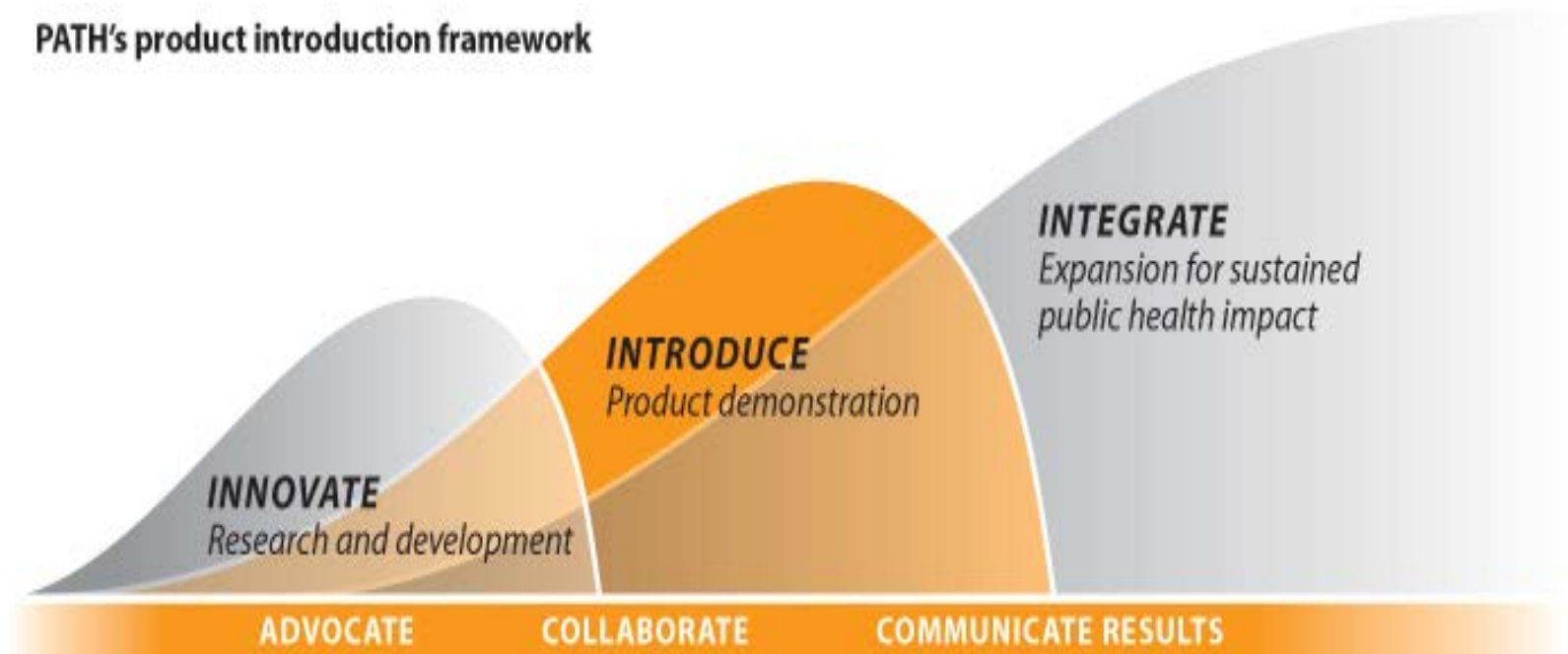
Case Study: Vaccine Vial Monitors (VVMs)

VVMs are labels for vaccine vials that register cumulative heat exposure over time.



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PATH's product introduction framework



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