Discovery to Scale Up
Implementation Science in Global Health

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September 2014

Goal of Implementation Science:

To accelerate the adoption and integration of evidence-based interventions to change practice patterns, health behaviors, and inform public health policy decisions that ultimately will lead to lasting health impact at scale.

(One) definition of implementation science

The <u>application</u> of systematic learning, research and evaluation to improve health practice, policy and programs.
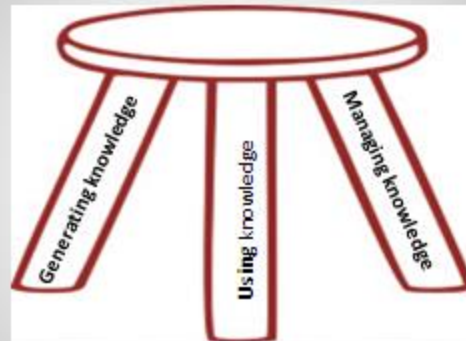
Implementation science helps decision-makers to:

–Synthesize and organize information

–Develop, evaluate and select interventions

–Identify who can benefit most

–Understand context

–Adapt or adopt interventions

–Address barriers

–Assess fidelity

–Assess the global health impact

Paradigm for a "Discipline of Development"

Figure 1. Implementation Science Three Legged Stool

Generating Knowledge: Implementation Research

A typology of implementation research

- Research intended to create knowledge that <u>is useful in many contexts</u>

- Research on problems, solutions and delivery processes <u>particular to a given country or place</u>

- Research on the <u>translational steps</u> linking research results to adaptation and adoption in the field, to scale up

Using Knowledge: Knowledge Translation & Scale Up

Knowledge is power but
Action gets things done

Knowledge Translation

The synthesis, exchange and application of knowledge by relevant stakeholders to accelerate the benefits of global and local innovation in strengthening health systems and improving people's health (WHO 2006).

Managing Knowledge

Knowledge Management

KM comprises a range of strategies and practices used in an organization to identify, create, represent, distribute and enable adoption of insights and experiences. Such insights and experiences comprise knowledge, either embodied in individuals or embedded in organizations as processes or practices.
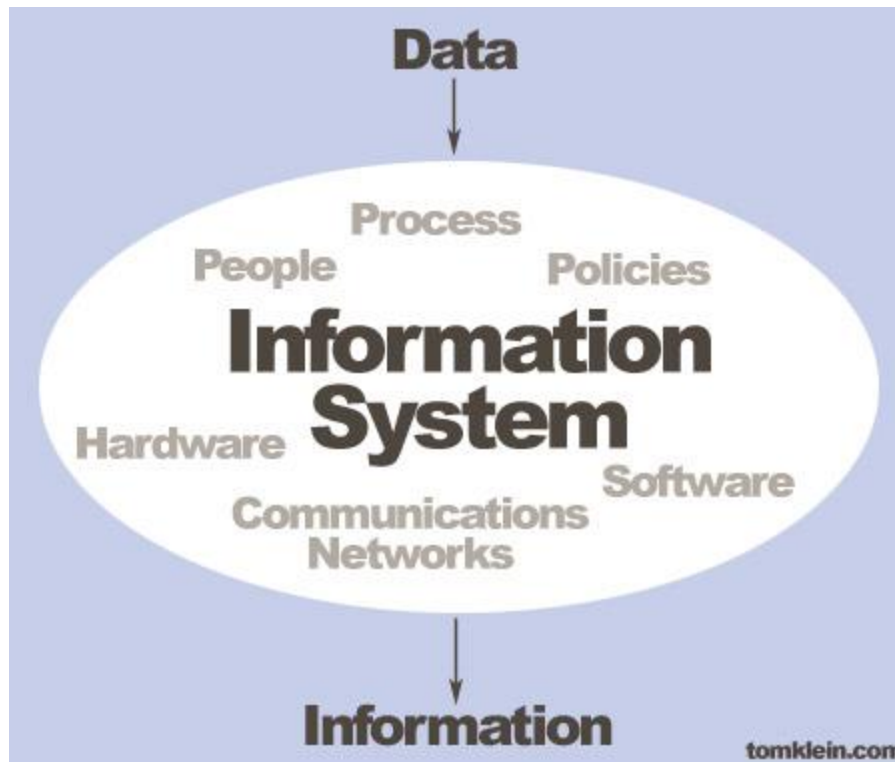
Challenges

How do we create world class information systems?

What is good evidence?

Once we identify evidence-based practices, how do we prioritize them for scale up?
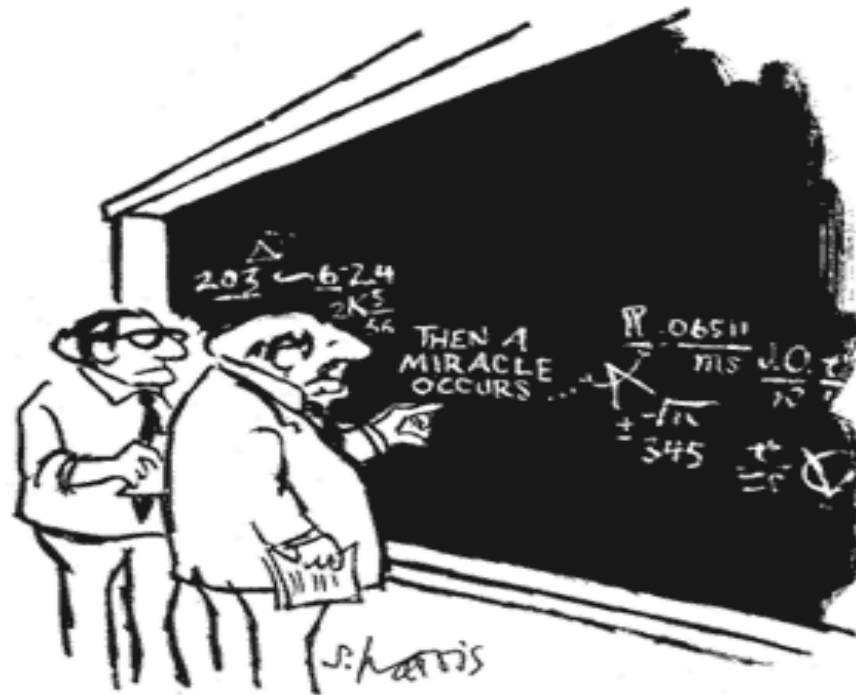
What do we mean by scale up?

The process of taking one or more interventions with known effectiveness and introducing it (them) into a program delivery strategy designed to reach high, sustained and equitable population coverage at adequate levels of fidelity and quality. (Victora et al 2004, adapted by Stephenson, Clay and Pablos-Mendez 2013)

Mapping the Process of Scale Up: Developing a Theory of Change

"I THINK YOU SHOULD BE MORE EXPLICIT HERE IN STEP TWO."

–**POLICY: formulation & implementation**

–**COMMUNITY: social co-productions**

–**BEHAVIORS: healthy lifestyle and adherence**

–**PRACTICE: clinical or organizational**

–**TECHNOLOGY: drugs, equipment, etc.**

–**SYSTEMS: finance, logistics, human resources, infrastructure, capacity, M&E**

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How do we develop an implementation science agenda?

Thank you