GACD Implementation Science e-Hub

ADVANCED PROGRAMME



MODULE 2 | LECTURE 2A Key frameworks for scaling up NCD programmes

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Lecture overview

- Uses of scale up frameworks
- Five example frameworks
 - 1. IHI Framework for Going to Full Scale
 - 2. ExpandNet Scaling Up Framework
 - 3. NASSS Framework
 - 4. Mayo Clinic Model of Diffusion
 - 5. Framework for Scaling Up Community-Based Health Promotion
- Commonalities across frameworks
- Considerations for NCD programmes



Do we need frameworks for scaling up?



Benefits

- Provides a systematic approach
- Enhances understanding
- Facilitates communication

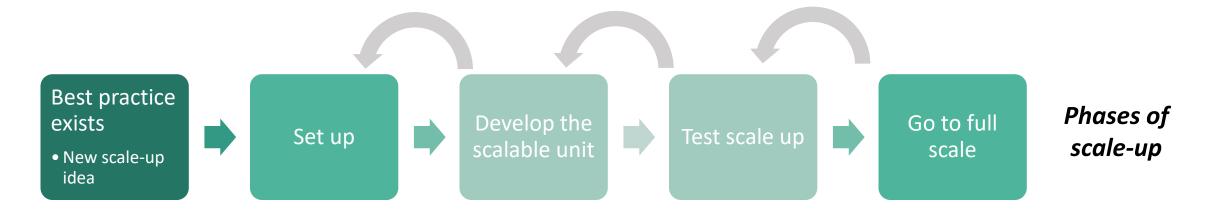
Limitations

- May not be flexible enough?
- Can be complex and time-consuming?
- May not capture all relevant factors?
- May not be widely accepted?





IHI Framework for Going to Full Scale



Leadership, communication, social networks, culture of urgency and persistence

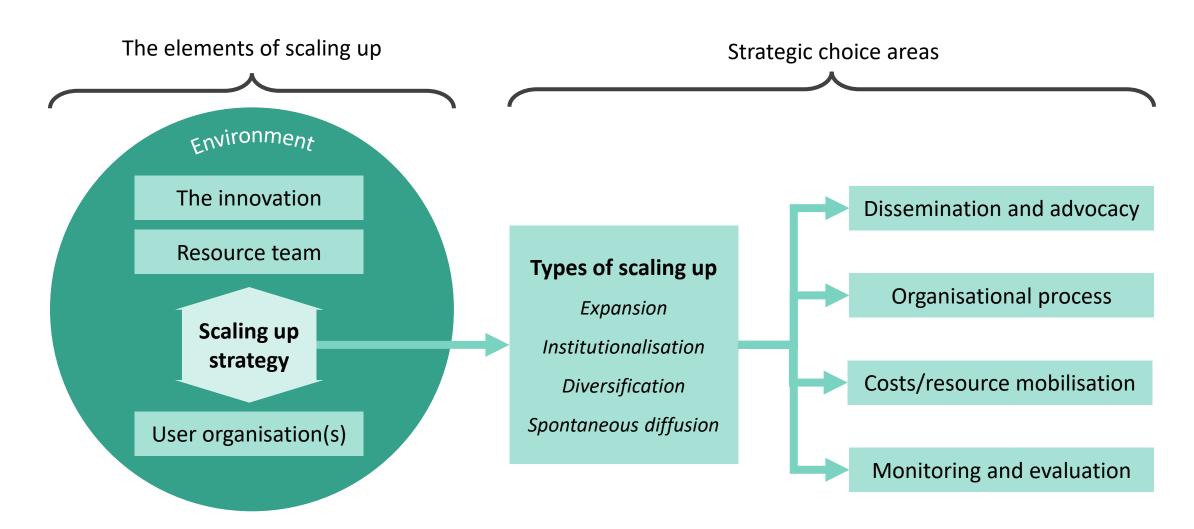
Adoption mechanisms

Learning systems, data systems, infrastructure for scale-up, human capacity for scale-up, capability for scale-up, sustainability

Support systems

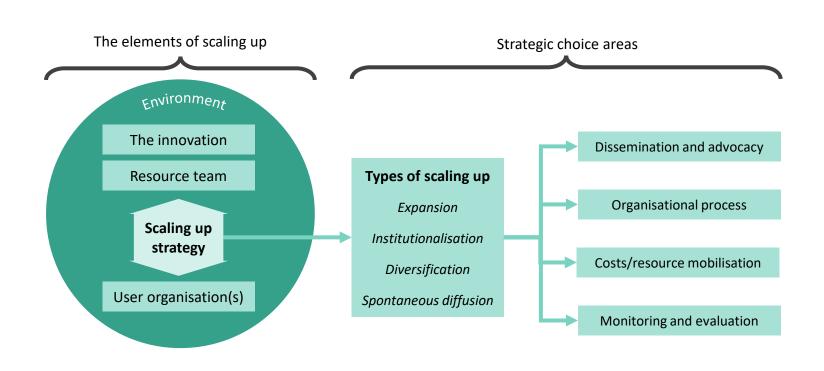


ExpandNet Scaling Up Framework





ExpandNet Scaling Up Framework



Guided by four key principles:

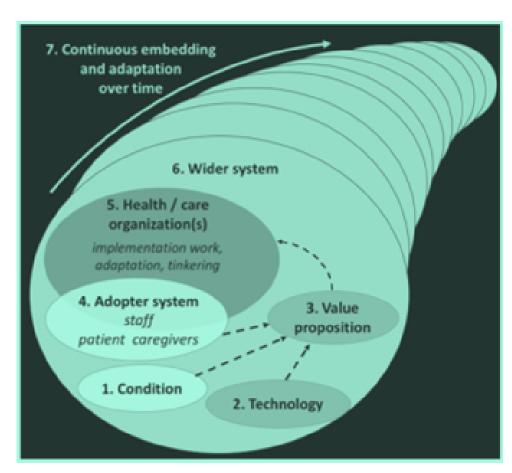
- 1. Systems thinking
- 2. A focus on sustainability
- 3. Enhancing scalability
- 4. Respect for human rights, equity, and gender perspectives



NASSS Framework

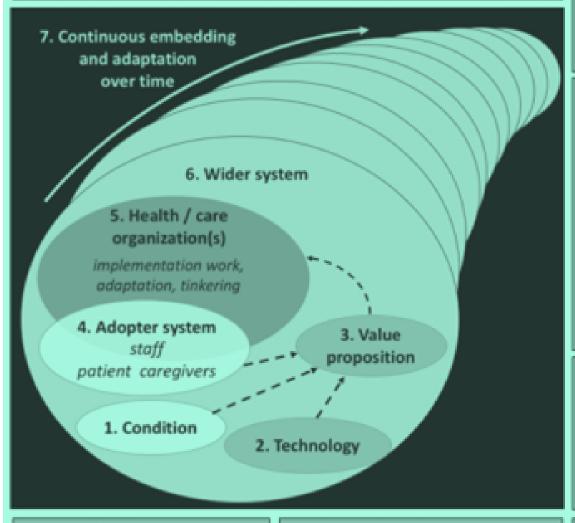
Framework for Theorizing and Evaluating Nonadoption, Abandonment, and Challenges to the Scale-Up, Spread, and Sustainability of Health and Care Technologies

- Consists of 13 questions in 6 domains:
 - 1. The condition
 - 2. The technology
 - 3. The value proposition
 - 4. The adopter system
 - 5. The health or care organization(s)
 - 6. The wider context
- Includes a seventh domain that considers interactions and adaptations over time
- The framework is intended to be used reflexively to guide conversations and help generate ideas, not as a checklist.



7. EMBEDDING AND ADAPTATION OVER TIME

A Scope for adaptation over time 7B Organisational resilience



- WIDER SYSTEM
- 6A Political / policy
- 6B Regulatory / legal
- 6C Professional
- 6D Socio-cultural
- ORGANISATION
- 5A Capacity to innovate (leadership etc)
- 5B Readiness for this technology / change
- 5C Nature of adoption / funding decision
- 5D Extent of change needed to routines
- 5E Work needed to implement change
- 4. ADOPTERS
- 4A Staff (role, identity)
- 4B Patient (simple v complex input)
- 4C Carers (available, nature of input)

- 1. CONDITION
- 1A Nature of condition or illness
- 1B Comorbidities, sociocultural influences

- TECHNOLOGY
- 2A Material features
- B Type of data generated
- 2C Knowledge needed to use
- 2D Technology supply model

- 3. VALUE PROPOSITION
- 3A Supply-side value (to developer)
- 3B Demand-side value (to patient)

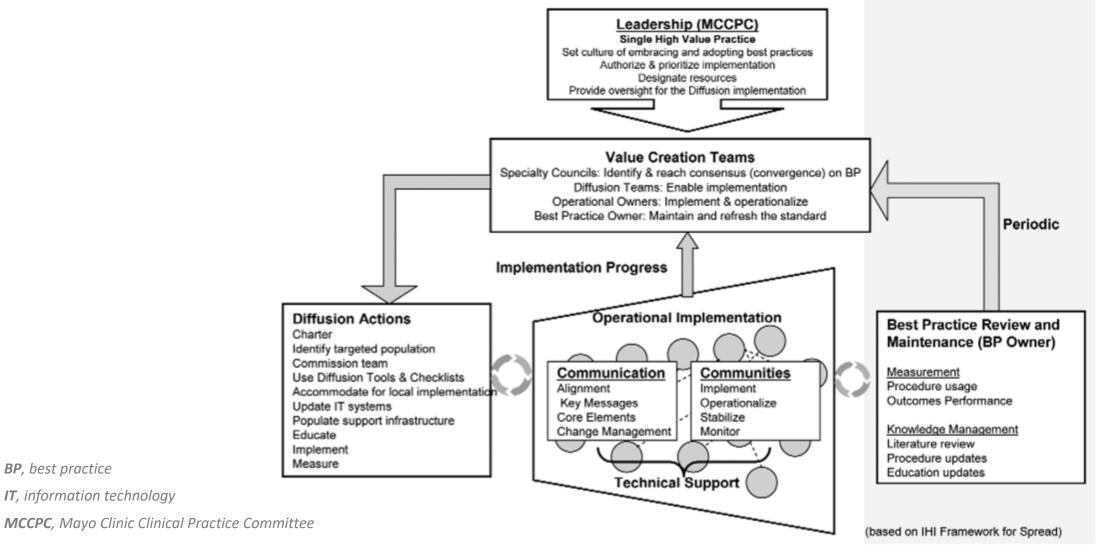


Greenhalgh T, Wherton J, Papoutsi C, Lynch J, Hughes G, A'Court C, Hinder S, Fahy N, Procter R, Shaw S. (2017) Beyond Adoption: A New Framework for Theorizing and Evaluating Nonadoption, Abandonment, and Challenges to the Scale-Up, Spread, and Sustainability of Health and Care Technologies. J Med Internet Res. 19(11):e367.

Pause recording to read in your own time.



The Mayo Clinic Model of Diffusion



Dilling JA et al. (2013) Jt Comm J Qual Patient Saf. 39(4):167-76.

BP, best practice

IT, information technology



Framework for Scaling Up Community-Based Health Promotion

Build and foster collaboration Plan, conduct, and apply assessment, monitoring, and evaluation Evolve political commitment and advocacy (6) (6) Build up skills, knowledge, and capacity Plan and follow strategic approaches **INNOVATION CHARACTERISTICS** Mobilise and sustain resources **Encourage participation** and ownership Clarify and coordinate roles and responsibilities

Initiate and maintain regular communication

Pause for thought...

What factors influence your selection of theories, models, and frameworks for an implementation research project?

When selecting a framework for a scale up study, would you consider the same or different factors? Why?





Commonalities across scale up frameworks

Emphasis on context

Multi-level engagement

Adaptation and flexibility

Sustainability

Phased/incremental implementation

Monitoring and evaluation

Leadership and stakeholder engagement

Resources and capacity

Integration with existing systems



Considerations for NCD programmes

- Tailor program to local settings
- Engage/collaborate with policymakers, health system leaders, healthcare providers and community members
- Start on a smaller scale before scaling up
- Embed long-term sustainability in the design
- Ensure continuous monitoring and evaluation (M&E)
- Integrate into the broader healthcare infrastructure, addressing both prevention and treatment
- Ensure adequate allocation of financial and human resources



Key messages

4

1 Structured frameworks are useful to guide scale up

Several frameworks are available. Choose one that works best for you

Several commonalities in the principles that guide the frameworks

Using frameworks for scaling up NCD programs can help ensure success



Reference list

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