# Main facilitators and challenges to implementation

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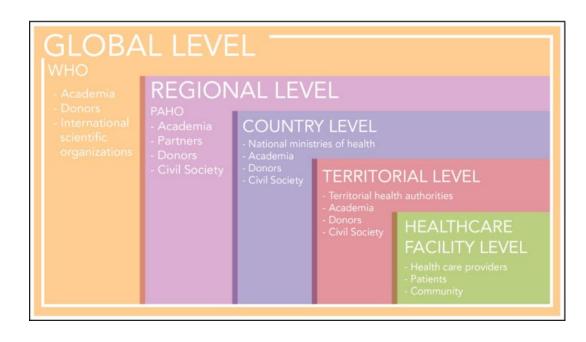
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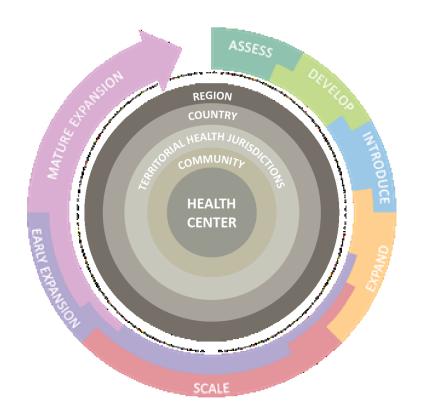
#### **HEARTS** in the Americas = complex multi-level set of interventions

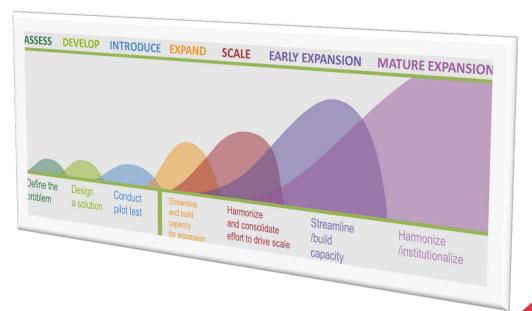


- set of complex, multi-level interventions containing several interacting components
- delivered and received by individuals and communities as well by health providers and health facilities with different level of organization and resources.



# Re-iterative staged model of implementation







#### **HEARTS** in the Caribbean

#### **COUNTRIES & TERRITORIES** 1 Antigua y Barbuda 2 Barbados 3 British Virgin Islands 4 Dominica 5 Grenada 6 Montserrat 7 Saint Lucia 8 St. Kitts & Nevis 9 St. Vincent and the Grenadines 10 Anguilla 11 Bahamas 12 Turks and Caicos 13 Belize 14 Guyana 15 Bermuda 16 Suriname 17 Trinidad & Tobago 18 Sint Maarten

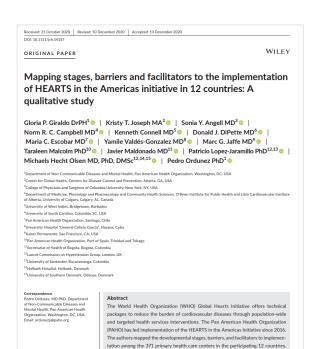
- 32 countries & territories committed to implementing HEARTS
- 50% in the Caribbean
- More than 3,000 Primary Care Centers





# Compendium of HEARTS progress – Special Issue +

#### Pan American Journal of Public Health – Special Issue HEARTS



The authors used the qualitative method of document review to examine cumula-

tive country reports, technical meeting notes, and reports to regional stakeholders.

Common implementation barriers include segmentation of health systems, overcom-

ing health care professionals' scope of practice legal restrictions, and lack of health











# TABLE 1. Key components of successful population-based hypertension control programs

Component	Description	
Leadership	Prioritize hypertension control Facilitate adequate resource allocation	
Screening, outreach and patient follow up	Undertake opportunistic screening in clinics and systematic outreach Address the entire population at risk Develop mechanisms to ensure appropriate follow up	
Treatment protocols	Ensure a simple and standardized clinical pathway for diagnosis and treatment Use as opportunity for consensus building Facilitate medication procurement and task-sharing	
Medications	Prefer small number of high-quality and effective medications and doses  Prefer affordability with low-cost or no-cost medications Use single-pill combination medications to reduce burden and increase control	
Task-sharing	Allow larger workforce to address hypertension Ensure personnel work at their maximum scope Is more efficient and allows for greater opportunities to deliver care	
Monitoring and reporting	Ensure that metrics are easy to measure, shared widely and distributed regularly Standardize to allow for comparison with other centers and programs Allow for identification of opportunities for improvement and successes	

Jaffe MG et al. Rev Panam Salud Publica. 2022 Sep 15;46:e153. https://pubmed.ncbi.nlm.nih.gov/36128474/



#### **Detailed Guidance & Tools**



#### Table 10: Checklist

TASK	Status of completion
Official request to join HEARTS	X
Formal acceptance	X
Coordinating team	X
Situational analysis	X
Strategic plan	X
Training of coordinating team	X
Treatment protocol and clinical pathway	X
Monitoring & Evaluation	X
Inclusion of academic partner	X
Selected localities for initial implementation	X
HEARTS virtual courses enrollment and completion	Х
Training of primary care teams – National workshop – Train-the-trainers modality	X
Launch implementation	X



# Governance & scale up plan

- 1. A well-defined governance structure
- 2. Relevant stakeholders representing the main work areas
- 3. Having a functioning governance structure
- 4. Development of updated strategic plan and an operational plan



# Set scale up targets from inception

- 1. Develop a solid projection of scale up to 2025
- 2. Develop and submit a scale up plan
- **3. Monitor** consistently number of primary care centers implementing HEARTS



# Foundational step: Developing a clinical pathway

- Follow the steps of the development of the HEARTS clinical pathway
- Set the stage for mandatory use in all primary health care settings
- Train primary care teams in the use of the clinical pathway
- Monitor and work towards improvement of the clinical pathway



#### **Medications**

National Medication Formulary Updated according 2021 WHO EML

- Inclusion of FDC
- Availability of High-intensity Statins in PHC



# Monitoring and evaluation

- 1. Technical Team/ Technical person
- 2. Implementation Plan for M & E
- 3. Training for M & E
- 4. Implementing SM&E
- 5. PHC that report data based on the number of PHC implementing HEARTS



#### **Team-based care**

- Increased HTN Treatment management by Nurses.
- BP measurement by Community Health Workers.
- Treatment follow-up by Pharmacists (adherence and persistence).



#### **Exclusive use of validated BPMDs in PHC**

- 1. Regulation of marketing authorization
- 2. Regulation of purchases of BPMDs w public funds
- 3. Purchases of BPMDs in 2022

4. Other measures (database, campaign, capacity building)



# **Training and education**

- Establish policy/mechanism to ensure that PHC providers in HEARTS implementing centers are utilizing the PAHO virtual campus and receiving certifications
  - Entire set of HEARTS-related courses
- Early on, establish the course on Accurate BP measurement as mandatory for PHC providers from HEARTS implementing centers



# Thank you

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