Deep Dive – Population Health Management

Population Health Management

Population health management is an approach to primary health care (PHC) provision that integrates active outreach and engagement with the community in care delivery. This approach shifts primary care service delivery from reactive to proactive management of a segment of the population. Effective population health management typically occurs both in established clinics and in the community. It requires a strong organizational structure, efficient information systems, and an appropriate mix and sufficient quantity of providers. Inherent in population health management is the provision of a broad range of health activities including curative and preventive care, health promotion activities delivered through broad public health initiatives, and engagement with social determinants of health.

What can your country achieve by focusing on Population Health Management?

Population Health Management is the foundation of primary health care service delivery and, when done effectively, can contribute to an array of downstream effects.
Population Health Management is a foundational component of Service Delivery

System
- Governance & Leadership
  - Primary Health Care Policies
  - Quality Management Infrastructure
  - Social Accountability
- Health Financing
  - Payment Systems
  - Spending on Primary Health Care
  - Financial Coverage
- Adjustment to Population Health Needs
  - Surveillance
  - Priority Setting
  - Innovation & Learning

Inputs
- Drugs & Supplies
- Facility Infrastructure
- Information Systems
- Workforce
- Funds

Population Health Management
- Local Priority Setting
- Community Engagement
- Empowerment
- Proactive Population Outreach

Service Delivery
- Access
  - Financial
  - Geographic
  - Timeliness
- High Quality Primary Health Care
  - First Contact Accessibility
  - Continuity
  - Comprehensiveness
  - Coordination
  - Person-centered
- Availability of Effective PHC Services
  - Provider Availability
  - Provider Competence
  - Provider Motivation
  - Patient-provider Respect & Trust
  - Safety

Outputs
- Effective Service Coverage
  - Health Promotion
  - Disease Prevention
  - RMNCH
  - Childhood Illness
  - Infectious Disease
  - NCDs & Mental Health
  - Palliative Care

Outcomes
- Health Status
- Responsiveness to People
- Equity
- Efficiency
- Resilience of Health Systems

Social Determinants & Context (Political, Social, Demographic & Socioeconomic)
What is Population Health Management?

Population Health Management is an approach to PHC provision that integrates active outreach and engagement with the community in care delivery.

Population Health Management is the foundation of proactive primary care service delivery.
What can my country achieve by focusing on Population Health Management?

Population Health Management is the foundation of PHC service delivery and, when done effectively, can contribute to an array of downstream effects.
What can my country achieve by focusing on Population Health Management?

**System**
- Governance & Leadership
- Health Financing
- Adjustment to Population Health Needs

**Inputs**
- Drugs & Supplies
- Facility Infrastructure
- Information Systems
- Workforce
- Funds

**Service Delivery**
- Population Health Management
- Facility Organization & Management
- Availability of Effective PHC Services
- Access
- High Quality Primary Health Care

**Outputs**
- Effective Service Coverage
- Health Status
- Responsiveness to People
- Equity
- Efficiency
- Resilience of Health Systems

**Outcomes**
- Social Determinants & Context (Political, Social, Demographic & Socioeconomic)
What can my country achieve by focusing on Population Health Management?

- **Inputs:**
  - Service Delivery
  - ACCESS

- **Population Health Management**

  - **HIGH-QUALITY PRIMARY HEALTH CARE**
    - **Proactive management approach** supports the provision of a broad range of health activities, including curative, promotive, and preventive care

  - Community engagement and outreach activities help to increase access to community-based health services
What can my country achieve by focusing on Population Health Management?

- **Inputs**
  - Service Delivery
    - High-Quality Primary Health Care
  - Access

- **Outputs**
  - EFFECTIVE SERVICE COVERAGE
    - Helps providers and care teams better understand and enumerate the needs of the communities they serve

**System**

**Population Health Management**
What can my country achieve by focusing on Population Health Management?

**Helps countries** to actively engage with local communities and plan targeted outreach activities that adapt to community needs over time and support equitable access to high-quality services.

High-Quality Primary Health Care

**Inputs**

- Access

**Outputs**

- Effective Service Coverage

**Outcomes**

- Health Status
  - Equity
  - Resilience
  - Responsiveness

Population Health Management
Strategies to improve Population Health Management

- Local priority setting
- Community engagement
- Empanelment
- Proactive population outreach
Population Health Management (PHM) is an approach to PHC provision that integrates active outreach and engagement with the community in care delivery.

Population Health Management is the foundation of proactive primary care service delivery.

**Local Priority Setting**
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Local Priority Setting

Community Engagement
Strategies to improve Population Health Management

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Local Priority Setting

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Empanelment
Strategies to improve Population Health Management

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Local Priority Setting

Community Engagement

Empanelment

Proactive Population Outreach
How do I assess my performance?

Use the information in the Vital Signs Profile to help determine relevant areas of improvement.

Completion of a Vital Signs Profile gives countries a holistic understanding of PHC strengths and weaknesses, a critical first step in the measurement for improvement pathway.
How do I assess my performance?

Use the information in the Vital Signs Profile to help determine relevant areas of improvement.
How to approach improving Population Health Management

1. Empanel the target population

Local Priority Setting

Community Engagement

Empanelment

Proactive Population Outreach
How to approach improving Population Health Management

1. Empanel the target population
2. Use panel data to inform local priority setting
How to approach improving Population Health Management

1. Empanel the target population
2. Use panel data to inform local priority setting
3. Based on identified priorities, design systems for outreach in communities and homes
Learn from what others have done

The Family Health Program | Brazil
Reducing disparities in health outcomes and access through geographic empanelment and community-based outreach

The Community Health Planning and Strategy Program (CHPS) | Ghana
Increasing access to community-based primary health care services
Brazil: At-a-glance context

Latin America & Caribbean

Upper-Middle Income

Portuguese-speaking country
### Brazil: At-a-glance context

<table>
<thead>
<tr>
<th>GDP per capita ($PPP)</th>
<th>Human Development Index</th>
<th>Life expectancy at birth</th>
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<tr>
<th>Percentage of population living in rural areas</th>
<th>Percentage of population living under $1.90 per day</th>
<th>Population</th>
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<tbody>
<tr>
<td>14%</td>
<td>3%</td>
<td>209.3M</td>
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</table>
Learn from what others have done: Brazil

Why reforms were needed

- Disparities in health outcomes and access by income
- Fragmented primary health care system

Approach

Starting in the 1980s, Brazil began reorienting its health care system toward community-based PHC.

Brazil has made significant strides in PHC through the following methods:

- Establishment of multidisciplinary Family Health Teams
- Geographic empanelment of approximately 1000 households to each Family Health Team
- Community-based proactive population outreach and local priority setting activities
Learn from what others have done: Brazil

- **Empanelment**: Each Family Health Team is responsible for a geographically empanelled group of approximately 1000 households.

- **Local Priority Setting**: Teams collect vital data and perform disease surveillance in communities to help tailor services to community needs.

- **Community Engagement**: Teams work with the communities they serve to address health issues and promote their well being.

- **Proactive Population Outreach**: Teams are responsible for households regardless of their contact with the facility. In communities, health agents provide both preventive and chronic care outreach activities.
Ghana: At-a-glance context

- Sub-Saharan Africa
- Lower-Middle Income
- English-speaking country
## Ghana: At-a-glance context

<table>
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<tr>
<th>GDP per capita ($PPP)</th>
<th>Human Development Index</th>
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<tr>
<td>$4,641</td>
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<th>Percentage of population living in rural areas</th>
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<th>Population</th>
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<tbody>
<tr>
<td>45%</td>
<td>12%</td>
<td>28.8M</td>
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Learn from what others have done: Ghana

Why reforms were needed

• Inadequate geographic access to services for the majority of the population

• Poor health outcomes

Approach

Ghana began implementing the CHPS mid 1990s, to increase access to community-based PHC services. It has since been scaled to the national level.

The CHPS Initiative accomplished widespread access through:

• Geographic empanelment of the population to a care team

• Proactive population outreach to the empaneled population in communities and homes

• Active engagement of the community through the implementation process
Learn from what others have done: Ghana

- **Empanelment:** Each care team is geographically assigned to groups of 4500 - 5000 individuals.

- **Community Engagement:** Community input has been integrated throughout the planning of the program. Implementation research found that this was integral to the success and longevity of the program.

- **Proactive Population Outreach:** Clinical nurses deliver preventive and promotive community-based care to their panel during home visits.
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  - Quality Management Infrastructure
  - Social Accountability
- **Inputs**
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  - Facility Infrastructure
  - Information Systems
  - Workforce
  - Funds
- **Service Delivery**
  - Population Health Management
    - Local Priority Setting
    - Community Engagement
    - Empowerment
    - Proactive Population Outreach
  - Facility Organization & Management
    - Team-based Care Organization
    - Facility Management Capability & Leadership
    - Information Systems Use
    - Performance Measurement & Management Outreach
  - Access
    - Financial
    - Geographic
    - Timeliness
  - High Quality Primary Health Care
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