PERFORMANCE MANAGEMENT AND ACCOUNTABILITY PROJECT DECK

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Agenda

Section	Page			
Executive Summary	3			
Methodology	4			
Performance Management Framework	7			
Organizational Culture	9			
Engagement in Management	10			
Manager Characteristics	11			
Management Practices	12			
Hypothesis Validation	13			
Select Interventions				
Knowledge Gaps				
Appendix	17			





Executive Summary

Situation & objective

- The Foundation believes better performance management in primary health care systems can improve health outputs and outcomes
- However, there is limited literature and knowledge around the effect of management on integrated health service delivery
- □ START team was engaged to conduct literature review to deepen understanding of performance management relative to delivery

Key insights

- □ The literature provides evidence that performance management can improve operational efficiencies, health outputs, and outcomes
 - Management and leadership are critical components of high-performing health care systems
 - Managers' individual characteristics and background influence staff engagement and organizational performance
 - Clinical staff engagement in management is critical to improving performance
 - Management as well as leadership practices can be taught, developed, and improved
 - Management orientation impacts organizational culture and clinical outputs

Gaps and next steps

- Gaps in evidence collected are primarily related to:
 - Low/middle-income country settings
 - Sustainability & institutionalization
 - □ Skills
- Potential next steps include investing in evidence, exploring partnership opportunities, and developing new standards





START team used word cloud technology to develop standardized search terms

__ Original Article
Warehouse

Word Cloud

Database
Terminology



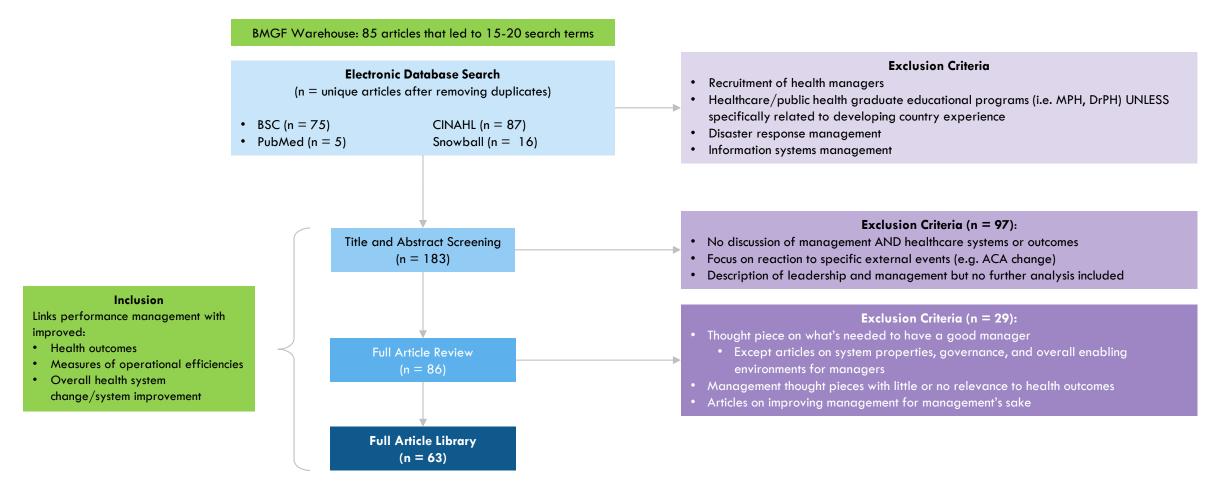








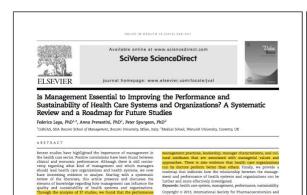
Methodology: validating comprehension through saturation





START Team leveraged existing resources to develop framework for analysis

Systematic Review by Lega, et al. (2013)



Introduction: The Value of Management and the

An neatm care systems, no manter whether they are presontinament, tax, sorial insurance-based, or market-based, have struggled with the issue of sustainability (defined as maintaining quality and service coverage at an affordable cost), particularly for the last decade [1]. Costs have risen as a result of ageing populations and the technologies developed to meet their expectations, concerns, and needs [2], and the recent economic crisis has exacerbated the problem [3]. Maintaining funding levels that are appropriate to the technology innovation curve, the demographic-epidemiological curve, and citizen expectations is an unprecedented challenge for nearly all health systems [4]. When the increase in supply costs must be covered by users, as in market-based systems, equity and access issues quickly emerge [5]. Societies around the world are pressuring health care providers to reduce costs, while stakeholders ire seeking improvements in the quality of and access to services. A neoliberal critique of public service provision has also increased awareness of the "patient as consumer," intensifying existing con-cerns about the quality and responsiveness of clinical services [6].

relative prices of health care inputs has created a cost crisis, with increasing efforts at containment [7]. At the same time, until the 1890s, the possibility of marketing skyrockering costs with the 1890s, the possibility of marketing skyrockering costs with the 1890s and the 1890s, sustainability issues. Throughout the 1890s, sustainability issues and the inefficiency of health care delivery were still laugely addressed by putting more morney into delivery were still laugely addressed by putting price morney into delivery was the laugely addressed by putting prices increased [8]. National Health Systems (NS) or insurance fees increased [8] and the same still a system (the same still a system (the delivery system) required more resources, the characteristic delivery system) required more resources, the characteristic delivery system press politician for more funding for the health care system, which has disableau, very little attention was paid to the effective systems of the still and the systems of the still still a system (the still still still and the system) and the still still still still still a still Within this dialogue, very little attention was paid to the effec-tiveness or efficiency of health care processes [9-11]: more specifically, clinicians focus on the individual patient, the effectiveness of the care, and evidence-based practices with little attention to cost control; however, addressing managerial and sustainability issues requires a vision that is oriented toward the Since the 1960s in Western countries, the development of new health techniques and technologies (including pharmaceuticals), the aging population, higher expectations, and the higher

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Historically, the professional and cultural autonomy claimed by clinicians [12,13] largely meant that clinical processes were treated as a "black box" with which managers should not interfere. In predominantly market-based systems, some control output evaluations [14] (Fig. 2). More specifically, in the 1980s, control of health care expenditures was mainly based on the planning and allocation of inputs (e.g., through limitations on the number of beds, staffing, and purchasing policies). Then, in the 990s, output measures (e.g., measures for medical visits, prescriptions, and diagnostic examinations) were introduced. Only used (e.g., measures of prevented deaths, life-years gained, and

coverage of health care needs).

The content and methods of delivery processes were addressed only at the margins. Although clinical/critical pathway tools, process reengineering approaches, and lean management techniques emerged at the end of 1990s, their implementation crimiques emerged at the end or 1998s, their impermentation emend to be inconsistent and limited [15,16]. In addition, clinical overnance tools and audit methods started to flourish and ored in the late 1990s [17]. For many years, the impact of eneral or business managers on clinical processes was quite exited.

general or business managers on clinical processes was quite Currently, because of the recent famical crisis, pollicial decision makers and managers are typing to regain control over the control of the control of the control of the control over ling inputs [18,18], limits on the recurrence or replacement of personnal, purchasting policies, and experimentation with new technology are being imposed on baselin organizations. Prepara-tic properties of the control of the control of the control reduced. Almost without exception, controlling expenditures in the short turn means controlling inputs. The restored focus on the short turn means controlling inputs. The restored focus on consequences. First, cost-containment policies do not explicitly and to structural interventions in the working methods adopted lated to structural interventions in the working methods adopted lated to structural interventions in the working methods adopted lated to structural interventions in the working methods adopted for the control of the control of the control of the control turns. Second, cost and input constainment policies with the fact lagh- and loop performing organizations in the authorization of the fact lagh- and control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the con-trol of the control of the con-trol of the con-trol of the control of the con-trol of the control of the con-trol of the control o the way health care services are supplied, cuts can primarily affect access, equity of treatment, and quality.



Fig. 2 – The shift in the focus of control. DRGs, diagnosis-related groups.

health care systems were addressed by using the concept or "rationing" as one of the best ways to give patients equitable access to high-quality care within an economically rational ramework. Rationing incorporated a series of different perspec-ives that were intended to promote 1) priority setting in decision nderstanding of and more appropriate action on the "black box" drugs, and therapies, defensive medicine, artificial variability turf wars among specialists, and resource waste could no longe be tolerated. Sensitive decisions such as those regarding when t use expensive biodrugs, prostheses, or medical devices in patients with a low probability of positive outcomes or which prostheses or drugs to use for patients with limited life expec systems. However, the rationing approach achieved relative little significant reduction in total provision, as there was a lack of consensus about services to be abandoned and little political will to confront challenging decisions. Rationing efforts need to be undertaken with a renewed focus

on the professional system to improve the involvement of recent studies and debate, management can enhance the value produced by health systems, organizations, and professionals [23-25]. Most health systems are actively pursuing the manage-rialization of their health organizations [26,27]. What kind of management and which managers, however, should be used? How can management be reconciled with ethics in sensitive

Does Management Matter in Health Systems: A Review of Literature

In recent years, both practitioners and researchers have renewe In recent years, both practitioners and researchers have renewed that interest in the impact of management on the performance that interest in the impact of management on the performance tragish references was performed by using business Source Complete, Emeral, ScienceDever, and Pabded Survey items that match with the following keywords were extracted manage-ment, management practic, management impact, behalf case services, quality, behalf, care organizations, and health care performance. The search included both theoretical and empirical studies with no time restrictions. Moreover, we also included the few relevant reports by international research institutes (London School of Economics, King's fund). A scientific working paper that details the methods and results summarized in the abovementioned reports was also included in the analysis [30]. We selected 37 articles and reports on the basis of the search guidelines and their relevance to the topic.

The results of the review demonstrate that some streams of research began to develop in the 1990s, but the more recent empirical reports show that interest in evaluating the impact of management on clinical and other aspects of performance is intensifying. Presumably, this shift is connected with the fact

PHCPI Conceptual Framework



Social Determinants & Context (Political, Social, Demographic, Socioeconomic)



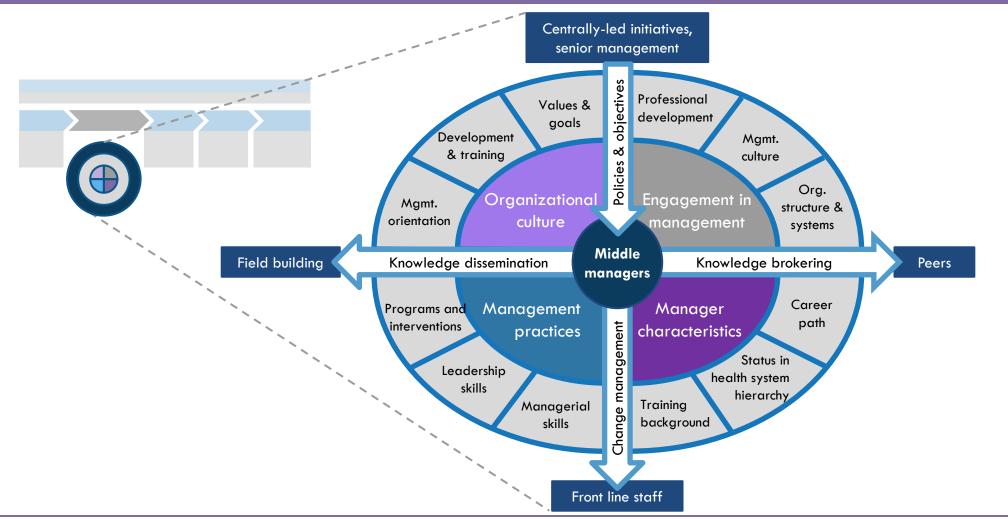


Uncovering the role of the performance management in service delivery

System Properties Governance, Policy, Infrastructure, Community, Political Economy **SERVICE** Perf. Mgmt. System Inputs Health Outputs Health Outcomes **DELIVERY** Outcomes Funding • People: commitment, Utilization • Improved health status PERF. MGMT. FRAMEWORK engagement, incentives, etc. Workforce Coverage Actors • Operations: patient flow, Supplies logistics, data monitoring, Facilities Component etc. **Management Practices Engagement in Management Manager Characteristics** Organizational Culture



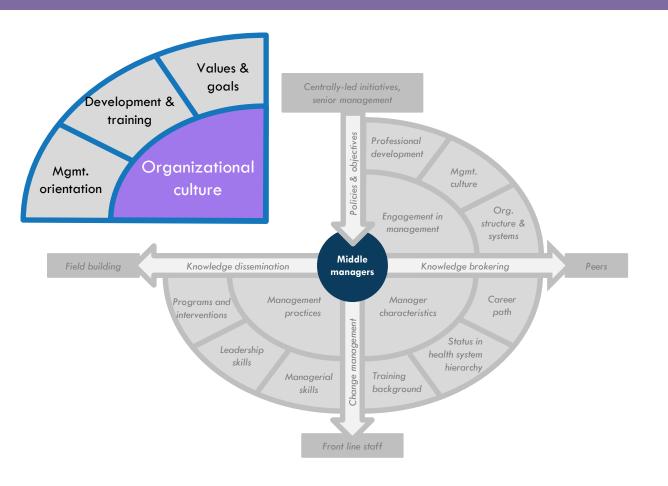
Greatest leverage point to improve performance is investing in middle managers







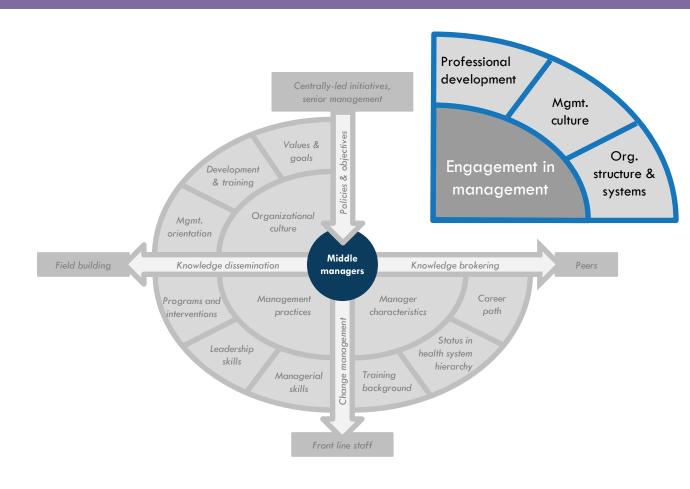
Organizational culture enables managers to empower teams and improve performance



Component Description	Corresponding Hypotheses
Management orientation refers to goals and managerial processes and tools such as strategic planning, budgeting, and business planning are associated with high performers	 Management matters Middle managers are important change agents
Development and training coupled with management practices can enhance organizational commitment and clinician engagement	 Management skills are developed and reinforced Clinical leaders are necessary Short / long term views
Values and goals enable broad staff involvement and communication among groups, promoting problem solving and diverse protocols	Problem solving and data monitoring



Clinical engagement in management is a means to achieving organizational performance



Component Description Corresponding Hypotheses Professional development Management skills are refers to effective training and developed and reinforced development plans for staff involved in taking on new managerial and resource management responsibilities Management and culture must Leadership skills are be one of trust and respect with complementary to a common focus on shared management values, goals, and organizational objectives Organizational structures and **Management Matters** systems must aim to build Middle managers are effective linkages and flows important change agents

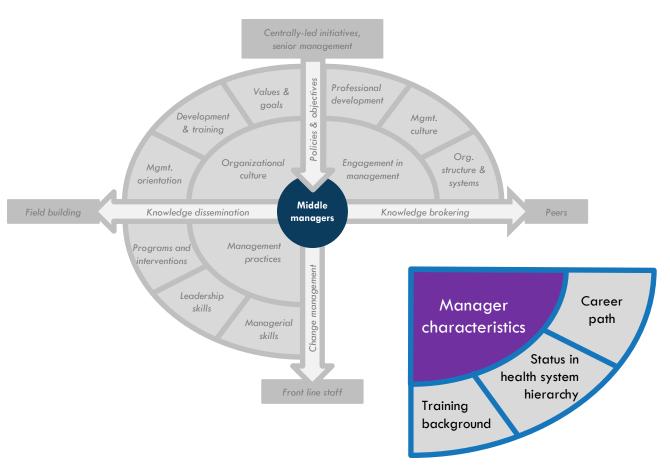




staff

between management and

Manager characteristics influence management practices and organizational performance

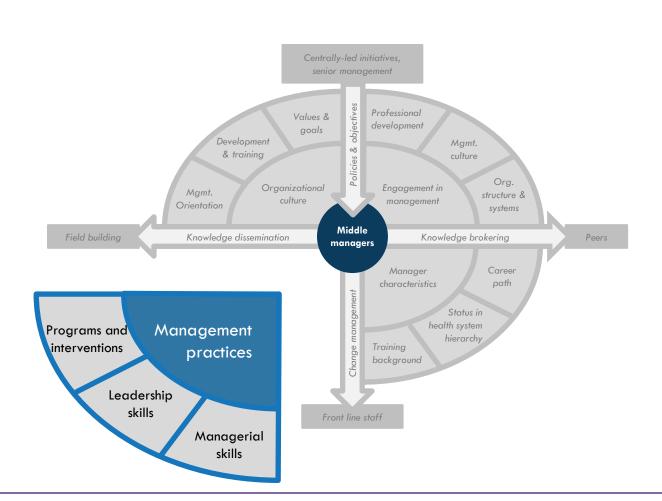


Component Description	Corresponding Hypotheses
Career paths that provide varied experiences and exposure to different health care structures can influence a manager's performance level	 Management matters Clinical leaders are necessary
Status in health system hierarchy influences middle managers' ability to broker knowledge upward and downward within an organization	 Management matters Middle managers are important change agents
Training background, either clinical or professional, is associated with better management practices	Clinical leaders are necessary





Management and leadership skills can be taught, developed, and improved



Component Description	Corresponding Hypotheses
Managerial skills form the basis of middle managers' capabilities in execution and sharing of knowledge	Problem solving and data monitoring
Leadership skills enable managers to more effectively implement performance management initiatives and build goodwill among staff	 Leadership skills are complementary to management
Programs and interventions that use tested and proven models to improve management practices should be replicated and scaled to accelerate impact	 Management matters Management skills are developed and reinforced



All hypotheses validated*, but evidence strength and applicability are variable

Hypothesis description**	Origin	LMIC [†] Evidence?	PHC [†] Evidence?	Strength of Evidence [‡]
Management matters for better PHC delivery		✓	✓	Strong
Data is available for problem-solving; data monitoring must link to goals and operations		✓	✓	Strong
Short and long term views on the work are necessary; success requires short-term champions and long-term institutionalization		✓	x	Moderate
Adult learning frameworks are essential and should develop/systematically reinforce management skills; managers need priorities, skills, motivation, autonomy, and data	BMGF	✓	✓	Moderate
Citizens have a stake in health system performance and improvement; managers must be responsive to citizens, especially the poor through customer feedback and accountability mechanisms within service delivery		×	x	Weak
Leadership skills are complementary to management and support PHC strengthening		✓	✓	Strong
Clinical leaders are better able to influence their colleagues than are nonmedical managers	START	×	×	Strong
Middle managers play an important role as change intermediaries because they interface between an organization's senior managers and the front line employees	-	✓	✓	Moderate

^{*} Hypothesis validation was based on (1) qualitative assessment of whether an article supported the hypothesis and (2) the number of articles supporting that hypothesis

[‡] Strength of evidence rating was based on absolute composite score of evidence type (scoring: study with quantitative measures = 3 points, purely qualitative study = 2 points, thought piece = 1 point)





^{**} Other BMGF hypotheses were deemed out of scope for this project

[†] Checkmark indicates the presence of at least one article from LMIC and/or PHC settings that related to that hypothesis; x-mark indicates articles found that support that hypothesis were either from high income country and/or tertiary care settings

Hypothesis exclusion was based on scope and literature evidence-base

Hypothesis description	Out of Scope	Lack of Evidence*
Particular systems properties are required to sustain change	✓	
Effective governance is needed to drive system change	✓	
Sufficient financing resources must exist in the system to drive and sustain change		✓
Better management is especially beneficial in low-resource settings		✓
Changes must be at the country and the sub-national level to generate change	✓	
Financial and non-financial incentives must align to drive performance and system change		✓
Build the Field	✓	





^{*} Evidence may exist in more targeted search criteria and may be proven or disproven with further evaluation

Success factors for select management and leadership training models in LMICs

Program name	Geography	Intervention Model	Evidence Type	Improved Outcomes	Key Success Factors
CDC Sustainable Management	Vietnam: Nat'l TB Program	Train-the-trainer model, reinforced with visits from	lmpact evaluation	Case detection rateSputum sample qualityTB follow-up rates	Applied nature of training, team model, accountability, & trainee status as a leader.
Development Program (SMDP)	m Nicaragua CDC staff	Case study (no control)	• Pap smear test quality	Focus on creating in-country expertise, training capacity.	
MSH Leadership	Egypt MoH	Team-based,	Case study	Maternal mortality rate	Focus on collaborative, not individual problem-solving.
Development Program (LDP)	Tanzania MoHSW	workshop series, empowerment model	(no control)	New family planning clients/site/month	Promoting analytical thinking (Challenge Model, rootcause).
Centre for Rural Health	South Africa	Action learning groups	Qualitative study	Enhanced teamwork & collaborationProblem-solving	Learning by sharing real problems helps managers resolve problems in their institutions and develop team work skills.
Ethiopia M Rural Initia		Overall health systems strengthening, focus on human resources	Mixed methods, ex-post	Antenatal care utilization ratesSkilled birth attendance ratesHIV testing rates in antenatal care	Managerial problem solving capacity was linked to the greatest improvement in primary healthcare unit performance after EMRI intervention
Ethiopian Hospital Management Initiative (EHMI)		(1) Intro. of management standards(2) Hospital CEOs(3) Enrollment in 2-year MHA program	lmpact evaluation	 Adherence to established set of management standards rose from 27% to 51% over 12-month period 	Embedding a new facility-level management role and academic degree program is a systems-based approach likely to be sustained. Implementation guides accompanied with training in the new standards is a best practice.





Opportunities exist for future investigation to inform performance management

Evidence Gaps	Questions	Potential next steps
Low/Middle- Income Countries	 Do middle managers in LMICs require a unique skillset? In LMICs, what is a greater predictor of better PHC performance; management skills or leadership skills? 	Invest in studies and evaluations that build evidence around the role and required skill set of middle managers in PHC delivery in LMICs.
Sustainability & institutional-ization	Can management interventions be institutionalized and affect outcomes that are sustained over the long-term?	Explore opportunities to support partnerships between US academic institutions and Universities in LMICs that train new
	What kind of models support institutionalization and sustainability of management practices?	leaders in PHC management based on evidence-based learning frameworks.
	How do we ensure continued investment in PHC performance management in the face of a changing funding landscape?	
Skills	What clinician manager characteristics determine their better performance compared to managers with other backgrounds?	Support the development of a common set of standardized management and leadership skills and practices for middle managers in LMICs.
	Are the management skills identified accurate measures? Do they result in better health outcomes?	



Appendix



