

Strengthening Quality in Cambodia Health System to Achieve Universal Health Coverage

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Objectives

Map the QI interventions and their stakeholders

Identify coordination mechanisms

 Share EQHA contributions to the integration of Continuous Quality Improvement (CQI)

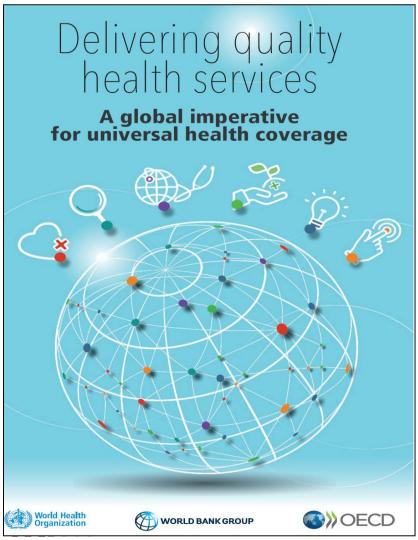


Universal Health Coverage (UHC)

"UHC means ensuring that all people and communities can use the promotive, preventive, curative, rehabilitative and palliative health services they need, of sufficient quality to be effective, while also ensuring that the use of these services does not expose the user to financial hardship" (WHO)

Equitable Financial Access + Equitable Quality of Services = Improved Health

Latest Evidence on Improving Quality



HQSS

The Lancet Global Health High Quality Health Systems in the SDG Era

The Lancet Global Health Commission

High-quality health systems in the Sustainable Development (**) Goals era: time for a revolution





Margaret E. Kruk, Anna D. Gage, Catherine Arsenault, Keely Jordan, Hannah H. Leslie, Sanam Roder-DeWan, Olusoji Adeyi, Pierre Barker, Bernadette Daelmans, Svetlana V Doubova, Mike English, Ezequiel Garcia Elorria, Frederico Guanais, Ove Gureje, Lisa R Hirschhorn, Lixin liana Edward Kelley, Ephrem Telde Lemango, Jarker Liljestrand, Address Malata, Tanya Marchant, Malebona Precious Matsoso, John GMeara, Manoj Mohanan, Youssoupha Ndiaye, Ole F Norheim, K Srinat h Reddy, Al exander K Rowe, Joshu a A Salomon, Gagan Thapa, Nana AY Twom-Danso, Muhammad Pate



Executive summary

Although health outcomes have improved in low-income and middle-income countries (LMICs) in the past several less than half of suspected cases of tuberculosts are September 5, 2018 decades, a new reality is at hand. Changing health needs. correctly managed, and fewer than one in ten people growing public expectations, and ambitious new health goals are raising the bar for health systems to produce better health outcomes and greater social value. But staving on current tratectory will not suffice to meet these demands. What is needed are high-quality health systems demands. What is needed are night-quanty nearth systems asphysta. Care can be too slow for conditions that that optimise health care in each given context by require timely action, reducing chances of survival. At consistently delivering care that improves or maintains health, by being valued and trusted by all people, and by responding to changing population needs. Quality should not be the purview of the elite or an aspiration for some distant future; it should be the DNA of all health systems. Furthermore, the human right to health is meaningless without good quality care because health systems cannot cation, and length of visit (visits of 5 min are common); Improve health without it.

We propose that health systems be judged primarily on their impacts, including better health and its equitable distribution; on the confidence of people in their health system; and on their economic benefit, and processes of conditions, and those at the edges of health systems, care, consisting of competent care and positive user experience. The foundations of high-quality health systems include the population and their health needs and expectations, governance of the health sector and parmerships across sectors, platforms for care delivery, workforce numbers and skills, and tools and resources, from medicines to data. In addition to strong foundations. health systems need to develop the capacity to measure and use data to learn. High-quality health systems should be informed by four values; they are for people, and they are equitable, resiltent, and efficient.

For this Commission, we examined the literature, analysed surveys, and dtd qualitative and quantitative coverage. research to evaluate the quality of care available to people in LMICs across a range of health needs included in the Sustatnable Development Goals (SDGs). We explored the ethical dimensions of high-quality care in resourceconstrained settings and reviewed available measures and improvement approaches. We reached five conclusions:

The care that people receive is often inadequate, and poorquality care is common across conditions and countries, with the most vulnerable populations faring the worst

Data from a range of countries and conditions show

and children receive less than half of recommended Lancet Glob Health 20 clinical actions in a typical preventive or curative visit, Published Online diagnosed with major depressive disorder receive minimally adequate treatment. Diagnoses are frequently incorrect for serious conditions, such as MEKnikMQADGageMSc, pneumonta, myocardial infarction, and newborn CAmerack PhD, HHLeslie PhD, asphyxta. Care can be too slow for conditions that the system level, we found major gaps in safety, USA(K.Jordan MSx); The World prevention, integration, and continuity, reflected by poor patient retention and insufficient coordination across platforms of care. One in three people across LMICs cited negative experiences with their health system in the areas of attention, respect, communion the extreme end of these experiences were Mexico (SV Doubova MD); disrespectful treatment and abuse. Quality of care is KHMRI-WellcomeTrust worst for vulnerable groups, including the poor, the less educated, adolescents, those with stigmatised such as people in prisons.

Universal health coverage (UHC) can be a starting point for improving the quality of health systems. Improving quality should be a core component of UHC Collaborating Centre for initiatives, alongside expanding coverage and financial Research and Training in protection. Governments should start by establishing a national quality guarantee for health services, specifying the level of competence and user experience that people can expect. To ensure that all people will benefit from Northwestern Univenity improved services, expansion should prioritise the poor and their health needs from the start. Progress on UHC (Prof LR Hinchhom MD); should be measured through effective (quality-corrected)

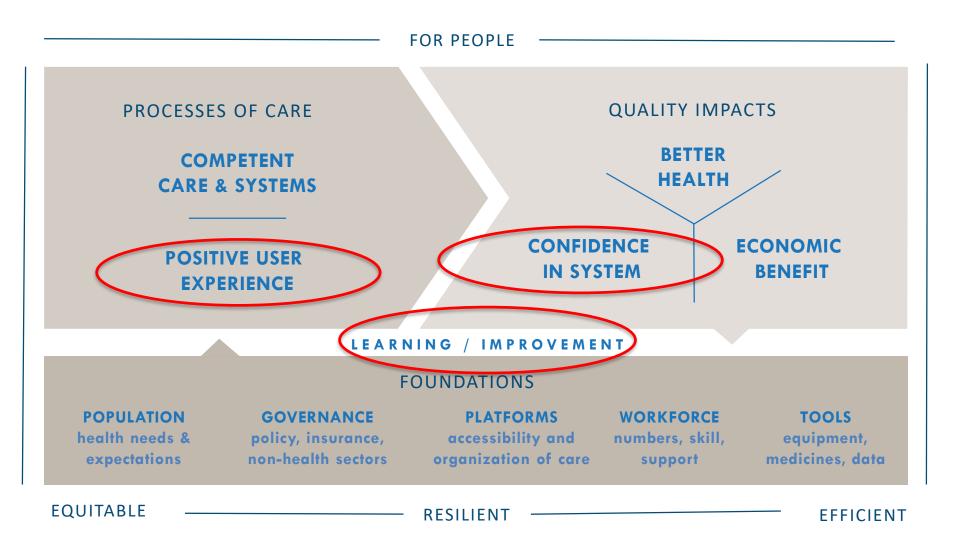
High-quality health systems could save over 8 million lives each year in LMICs

More than 8 million people per year in LMICs die from conditions that should be treatable by the health system. In 2015 alone, these deaths resulted in US\$6 trillion in economic losses. Poor-quality care is now a bigger barrier to reducing mortality than insufficient access. 60% of deaths from conditions amenable to health care are due to poor-quality care, whereas the remaining deaths result from non-utility ton of the health system systematic deficits in quality of care. In LMICs, mothers High-quality health systems could prevent 2-5 million Republic of SouthAfrica

Harvard T.H.Chan School of Bank, Washington, DC, USA Switzerland (B Davimans MD. Kerwa (M English MD): Institut Health Policy Responsibles Bank, Washington, DC, USA Mental Health, Neu Drug and Alcohol Abuse, enity of Ibadas, Ibadas National Centre for China (L. liano M.D): Federal Addis Ababa, Ethiopia (ET Lemango MD); Bill and Melinda Gates Foundation Seattle, WA, USA () Liljestrand MD); Malawi Technology, Limbs, Malawi (Prof A Maleta PhD); London School of Hygiene & Tropical Medicine, London, UK (TMarchant PhD); National Department of Health of the

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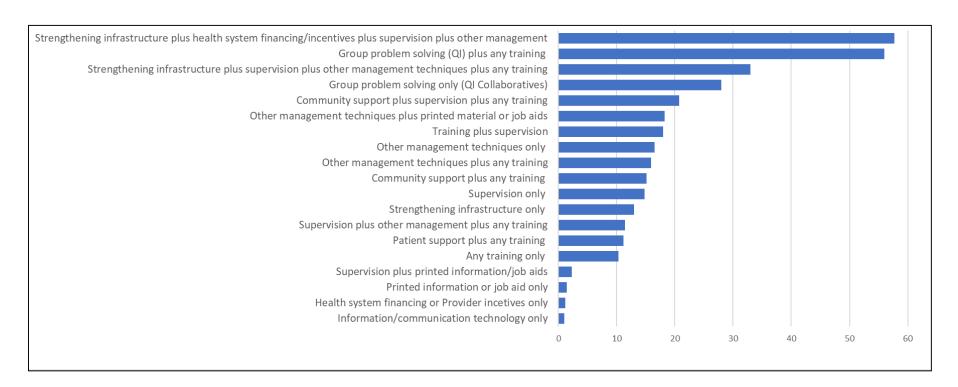
HIGH QUALITY HEALTH SYSTEM FRAMEWORK



5

Which Combined Interventions are most Effective to Improve Health Worker Performance?

Rowe A et al., Lancet VOLUME 6, ISSUE 11, PE1163-E1175, 2018



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Typology of Quality Improvement Interventions

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Level of the health system	Lever	Interventions	
Macro (national government)	Population demand & empowerment	Participatory groups/community empowerment/education; community oversight/monitoring; consumers reporting; patients' rights charters.	
	Governance & regulation	Licensing, certification, accreditation; strategic purchasing; accountability mechanisms; quality measures; waste reduction; setting standards; benchmarking; national QI policy; payment mechanisms.	
	Service delivery	Quality-oriented service delivery design, including private sector, that organizes service delivery at each level against an explicit package of services, with clear referral decisions.	
	Education	Quality-oriented pre-service training of health professionals; training in health system management, public health and QI;	
	Incentives and finance	Non-financial incentives; performance-based incentives; recognition/rewards;	
Meso (region,	Network of care	Learning collaboratives; task-shifting;	
province, district)	System management	District system management and implementation tools; quality assessment; mortality reviews; checklists; protocols;	
Micro (service delivery)	Health worker	In-service continuing education; supportive supervision; job-aids; checklists; guidelines; self-assessment; interpersonal communication skills;	
	Facility	Improve infrastructure; ensure supplies; CQI teams; team-based and patient-centered care; integrated services; case management;	

How to assess the QI Interventions?

- Does/do the mechanism(s) exist?
 - Make sure its definition is clear and well understood
- 2. What is its stage of development?
 - Ex: NQEM is being implemented
- 3. Is the mechanism working well?
 - Mix of process and results measures
 - Hard to study/control the effects of other factors
- 4. Is it implemented at scale?
 - Measure coverage
- 5. Is it sustainable?
 - EX: QI is not a time-limited project, it's integrated in the health system

Stakeholders of main QI Interventions and the need for coordination/collaboration

QI Interventions	Health System Stakeholders	Partners
Health Care Accreditation System	MOH (Hospital Service Department; QIWG)	USAID/EQHA, GIZ
Performance-Based Financing/NQEM	MOH (QAO of the Hospital Service Department; PHD, OD)	H-EQIP (World Bank, DFAT, KfW, KOICA); USAID/EQHA
Licensing/Relicensing private facilities	MOH (Hospital Service Department; Private Sector WG; One-Window Service)	WHO, USAID/EQHA, GIZ
Facility-based CQI activities	MOH (National programs, PHDs, ODs, RHs, HCs)	USAID/EQHA, GIZ
Supportive Supervision	MOH (National programs, PHDs, ODs, RHs, HCs)	WHO/Other partners
Competency-based pre- service training	MOH (HRDD, RTC, UHS)	USAID/EQHA, WB
Continuous professional development	MOH (National programs, health professional councils, NIPH)	USAID/EQHA, Health Private Associations
Strategic Purchasing	MEF (NSSF, HEF)	H-EQIP, GIZ, ILO

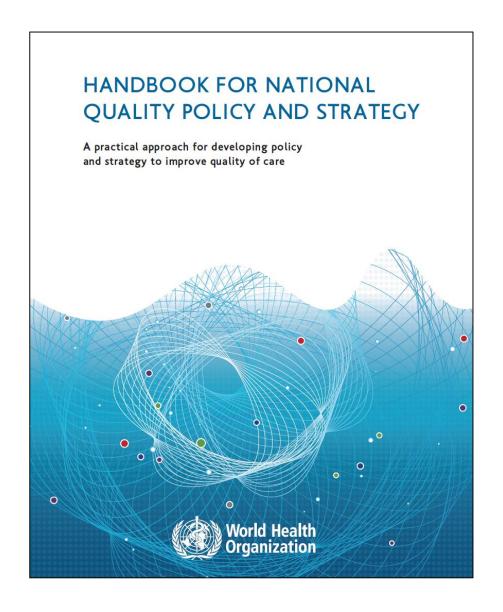
Main Recommendations for a QHS (Public & Private)

- Adjust measures of quality of services:
 - Focus on effective coverage indicators
 - Include patients' confidence in the health system and patient experience with care
- Support the integration of QI Collaboratives into the health system at scale based on results from the pilot provinces
- Maintain/reinforce collaboration of stakeholders on specific
 QI interventions to maximize synergies at all levels
- Prepare for the revision/update of the national QI policy based on lessons learned and latest evidence to achieve UHC

Effective coverage indicators measure quality of care

Coverage Measures	Effective Coverage Measures
Proportion of births attended by skilled health personnel	Proportion of vaginal births with active management of third stage of labor
Four or more visits to antenatal care (%)	Pregnant women receiving timely and adequate care—eg, first visit within 13 weeks gestation, care provides protection from tetanus; repeated blood pressure measurements; screening for syphilis, HIV [as appropriate], and diabetes; and counselling on risks, delivery planning, and immediate breastfeeding
People with HIV receiving antiretroviral therapy	People with HIV with viral suppression
Cervical cancer screening in women aged 30–49 years	Proportion women aged 30–49 years with cervical cancer screening with timely results and confirmed diagnosis as indicated
Children born without complications	Proportion of newborns weighed and breastfed within first hour of birth.
TB patients put under treatment	Proportion of all people with active tuberculosis who successfully complete treatment

How to develop a national QI policy & strategy



Main Elements of a QI Policy

- National health goals and priorities
- Local definition of quality
- Stakeholder mapping and engagement
- Situational analysis: state of quality
- Governance and organizational structure for quality
- Improvement methods and interventions
- Health management information systems and data systems
- Quality indicators and core measures

EQHA Support to QI Interventions

Interventio ns	EQHA support to the Development of a Quality Health Systems in Cambodia
Macro –Level Support	 Technical support to the design of a hospital accreditation system, including standards development and surveyor capacity building Development of minimum standards for the licensing of private hospitals Private sector mapping Supports registration management system to professional councils Technical support to the revision of CPGs Competency-based training of pre-service education public and private institutions Facilitates development of new clinical vignettes for PBF mechanism. Digitalization of NQEM tools Development of continuous professional development systems with professional councils Patient satisfaction survey
Meso-Level Support	 Technical support to the design and implementation of QI Collaboratives including capacity building of coaches Quality assessment survey designed
Micro-Level Support	 QI training and exchange visits, involving patients and private sector Coaching of 52 CQI teams and learning sessions Updating the training on provider behavior change

Recommendations to EQHA

- Develop capacity in implementing QI Collaboratives to integrate CQI in the health system:
 - Competency-based QI training, using rolling training sessions through RTC, to be linked to CPD
 - Design and support 6 Collaboratives (one per province) on different priority issues
 - Build the capacity of NQEM assessors in coaching QITs, jointly with QAO
- Support the integration of measures of effective coverage and patient's confidence/trust into the existing health information systems (HMIS, NQEM, etc.) and into the QI Collaboratives, as appropriate
- Develop/support rapid scale up of best practices & improvements through multiple approaches within EQHA provinces
- Document and communicate results and learning: success stories, QI briefs,
 QI technical report

Group work on coordination mechanisms

- At National level (public/private)
- At Provincial level (public/private)
- At district level (public/private)



Existing coordination mechanism of QI efforts in health sectors

	QI structure in place:		
National level	1. HSD: QAO, Bureau of Regulation and Ethics; HRDD		
	2. National programs: NCHADS, CENAT, NMCHC, CNM, NCHP		
	Coordinating platforms:		
	 QIWG, QEWG for NQEM, Private Sector Working Group, Private Sector Committees 		
	QI structure in place:		
Provincial level	1. PHD: QI team, NQEM assessors and coaches		
	2. Coordinators of national program at PHD: HIV/AIDS, TB, MCH, Malaria, etc.		
	3. One Window Service for private health facilities		
	Coordinating platforms:		
	 Pro-TWG, Provincial Private Sector Committee, NQEM assessment and debriefing 		
	QI structure in place:		
District level	1. OD Assessors and coaches, coordinators of national programs at OD		
	2. RH QI team		
	3. One Window Service for private health facilities		
	• Coordinating platforms:?		

Results Achieved using the QI Collaborative Model for Improvement in Cambodia



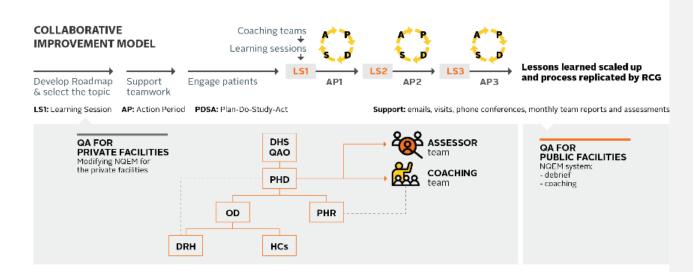
Definition and features of the QI Collaborative

Results we can get through a QI Collaborative effort: examples from other countries (Dr. Nilufar Rakhmanova)



Strategy: Collaborative Improvement process to achieve higher NQEM scores

A "Collaborative" consists of teams from multiple health facilities that go through a structured learning process that alternates "action periods" (testing improvement through PDSA) and "learning sessions"



Core stakeholders:

Public health system:
H-EQIP (QAO)
PHD, ODs,
Referral hospitals
Health centers
Private practitioners
(cabinets and individuals)
Patient representatives
and networks
Provincial and district
governors

Features of the Collaborative that complement NQEM



Multiple teams with common aim



Common QI indicators to benchmark



Coaching with the focus on teamwork, analysis of data



Learning
Sessions to foster exchange

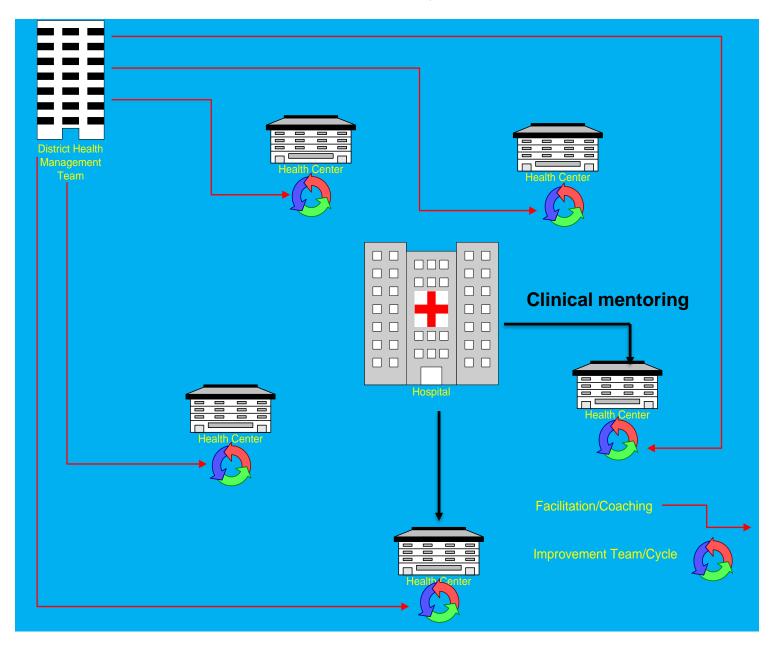


Management structure

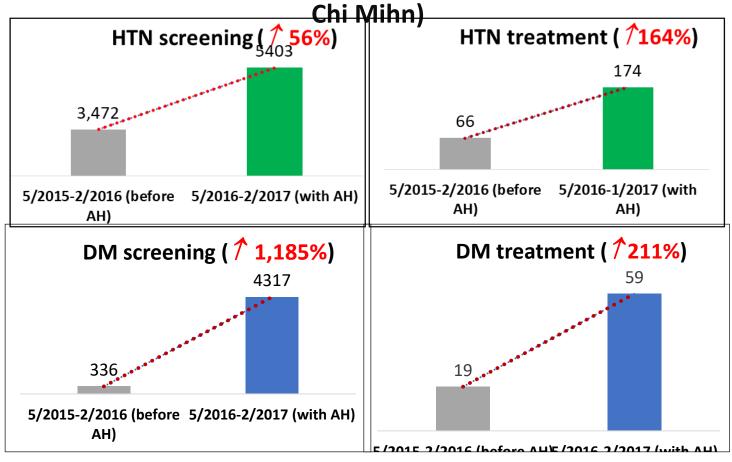


Change Package (a list of effective interventions)

Structure of a District-Based QI Collaborative



Results from a HTN and DM Collaborative in Vietnam (Ho





Results from Uganda QI FP collaborative

FIGURE 2. PERCENTAGE OF FP CLIENTS RETURNING TO A VHT ON TIME

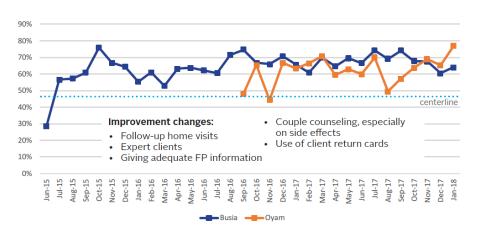
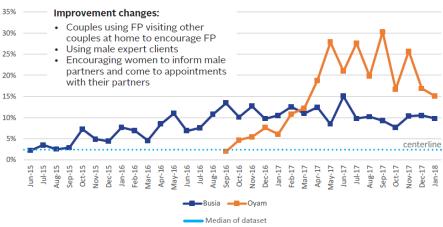


FIGURE 3. PERCENTAGE OF FEMALE CLIENTS COUNSELED WITH PARTNERS BY VHTS



Results from the QI Collaboratives in Cambodia (Dr. Ratana Hun)

Roadmap shared aim & objectives

Aim:

 Improve patient trust and outcomes (TB, HIV, MCH, FP, Malaria) and patient experience in the referral hospital and health center by the end of December 2020

Objectives:

- Improve clinical skills and knowledge in TB, HIV, MCH, FP, Malaria
- Improve personal hygiene and facility environmental hygiene
- Improve infection control practices in the health facility
- Improve patient experience in the health facility

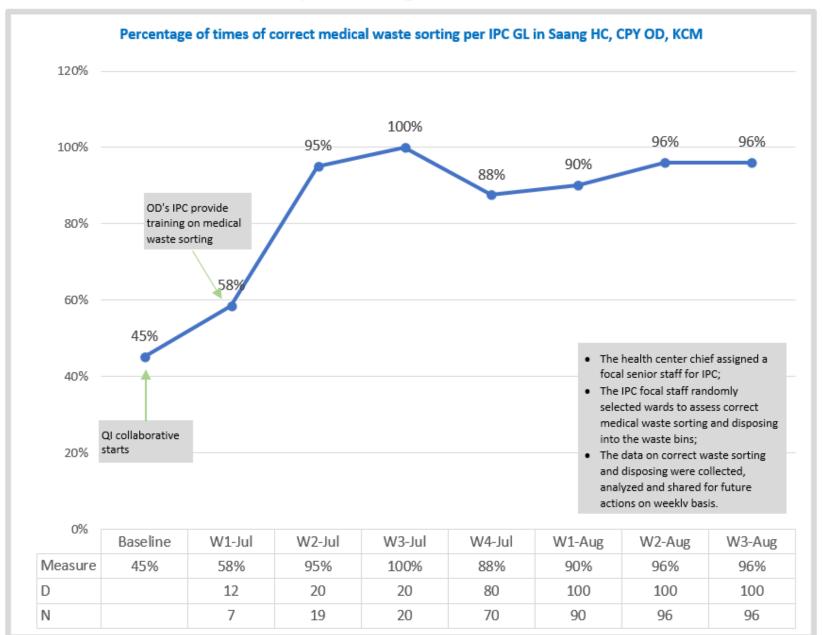
Change Package Prioritized by Facilities

1	Ask and examine OPD patients for symptoms and signs to increase TB screening.
2	Provide ANC counseling to women with main focus on danger signs during pregnancy and birth preparedness to increase their knowledge.
3	Reduce patient's waiting time at OPD/Triage at RH by mainly classifying patients following ETAT and increase number of consultation rooms.
4	Reduce staff's absenteeism to work at facility.
5	Equip waste bins to and correct waste sorting at wards following to IPC Guidelines.
6	Provide health education on nutrition to mothers at facilities to increase their knowledge.
7	Reduce waiting time for vaccination service at EPI ward.
8	Train TB physicians' knowledge on TB X-ray film reading.
9	Build more VIP rooms for wards to increase patient's choice.
10	Equip facilities of hand washing and separate toilets for patients and health staff.
11	Reduce the turn-around time of TB smear testing's results from RHs to HCs.
12	Equip more waiting areas and distribute face mask at OPD/triage at RH to reduce chance of transmission of communicable.
13	Reduce waiting time for glucose, Hb, Malaria, tests of OPD patients from 120 min to 60 min
14	Rearrange OPD/triage building to improve triage and patient flow at RH.

Results

		Results (Jun-Aug, 2019)		
No.	Change Ideas Tested	from	to	Remark
1	TB screening	1.7%, 1.3%, 1.0%,	4.7%, 2.6%, 5.6%, 2.4%,	
_		1.7%, 0.4%, 0.5%, 0.7%	2.0%, 1.4%, 8.2%	
2	Correct medical waste sorting per IPC GL	45%, <mark>53%, 43</mark> %	96%, 96%, 100%	
3	Equip medical waste bins to wards per IPC GL	No data	100%	
4	Ward cleaning	25%, <mark>26</mark> %	88%, 79%	
5	ANC counseling focusing on danger signs and birth preparedness	82%, 50%, 44%	100%, 90%, 76%	
6	Waiting time for rapid tests e.g. glucose, Hb, Malaria, at OPD/triage	225 min	186 min	
8	Staff absenteeism	43%, 14%, 2.5%, 5.5%	13%, 1%, 2.6%, 00%	

QI Collaborative: Improving IPC in Healthcare Facilities



QI Collaborative: Improving IPC in Healthcare Facilities



IPC in-charge staff and cleaner monitor the medical waste sorted by healthcare providers

Before QI Collaborative (PDSA)

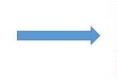






After 7 weeks of QI Collaborative (PDSA)

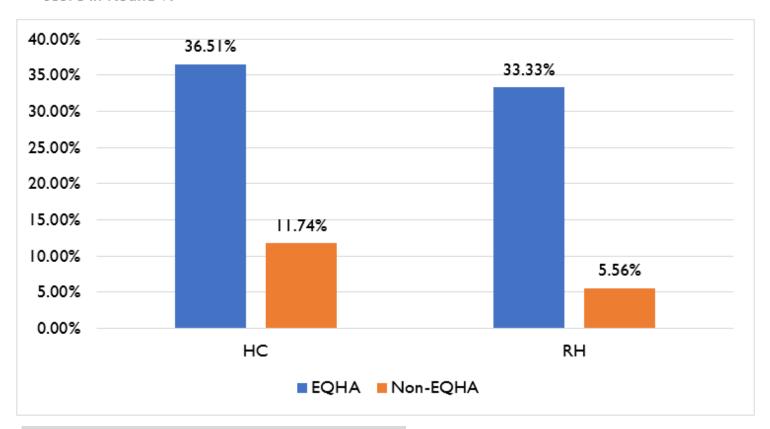






NQEM Score: QI vs Non-QI Facilities

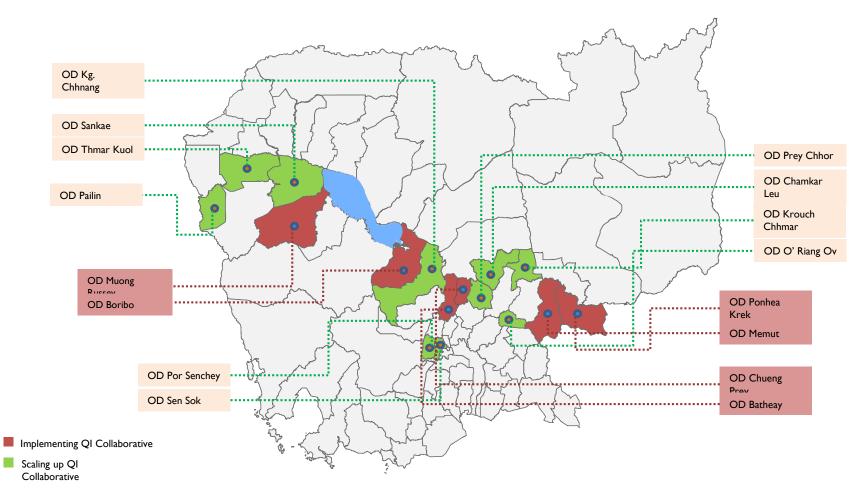
Figure 3. Comparison between non-EQHA and EQHA supported HCs and RHs that received at least 80% total score in Round 9.5



Reference: EQHA's Annual Report FY 2019 to USAID

Sustaining Improvement and CQI in EQHA-supported provinces (Dr. Bruno Bouchet)

OD implementing QI Collaborative



Elements of EQHA Scale-Up Plan (Including private facilities)

- Sensitization of the leadership of the new provinces on QI Collaborative and change packages
- Selection of 2 topics per site
- Training of QI Coaches
- Coaching/Telegram
- Learning sessions for spread collaborative
- Peer-to-peer exchange visits
- SOPS for each change
- Clinical mentoring from national programs

Build the QI capacity of the PHD and ODs teams to manage a QI Collaborative

Conclusion

 Keep exchanging on progress of QI interventions among all stakeholders

Contribute to scale-up best practices beyond EQHA provinces

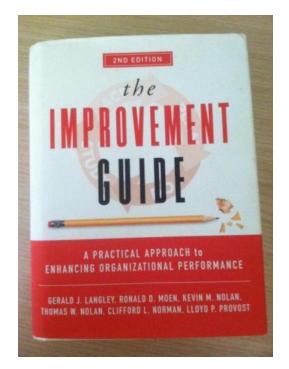
Consider updating the national QI policy

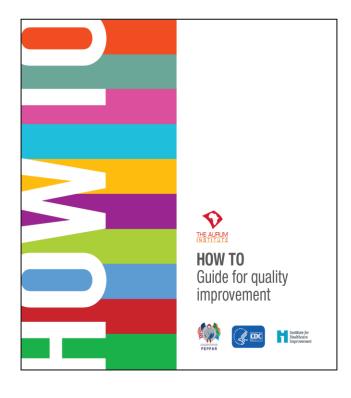


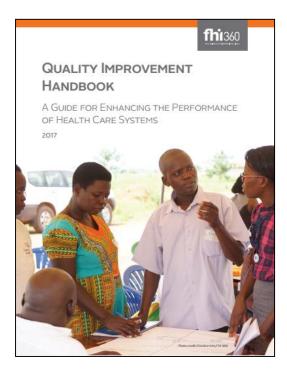
Additional Slides



Good References on the QI models



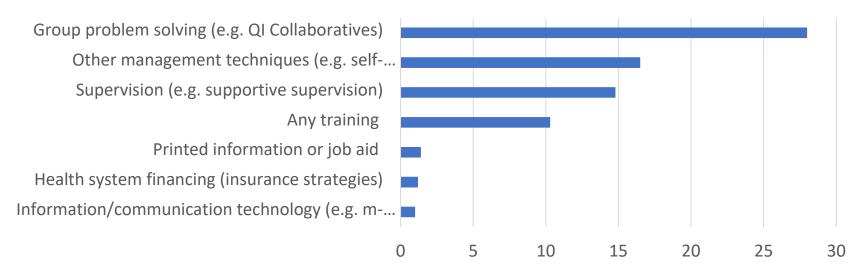




What Works: Interventions to Improve Health Worker Performance

Rowe A et al., Lancet VOLUME 6, ISSUE 11, PE1163-E1175, 2018

Mean Effect Size of Single Interventions



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Selected Scale-Up Models

Models	Conditions of Use	Examples
Breakthrough Collaborative	Complex issues requiring multiple changes/interventions over a long period of time	Decrease maternal mortality
Campaign	Accelerate implementation of a well-know intervention	Immunization campaign
Communities of Practice	Self-organized groups exchanging on one topic	QI CoP
Wave sequence	Complex interventions involving multiple actors working as peers	Organize HIV services for key populations
Competition	Incentives to diverse groups competing for a prize	Linked to PBF
Hybrid	Combination of the above: collaborative + wave sequence	Any topic

A brief compendium of networked learning methods. By <u>Joe McCannon, M.</u> <u>Rashad Massoud, & Abigail Zier Alyesh</u> Oct. 20, 2016

