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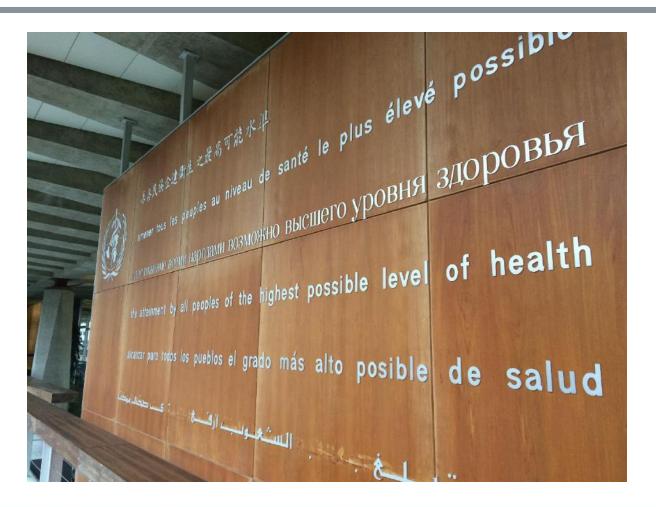


Getting to Full Scale

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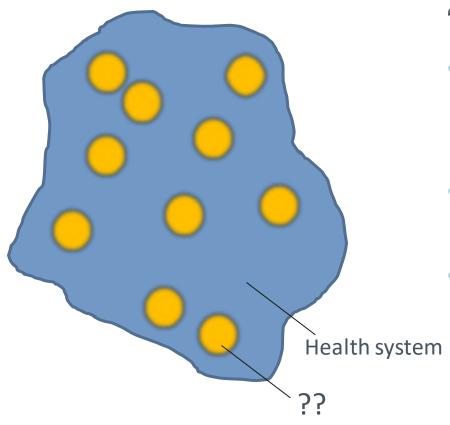
Why is scale up important?



A 2-part global aim....

"Attainment by all peoples of the highest possible level of health"





"Pilotitis"

- Inspired improvement projects ("hot spots") that deliver great results
- Most often disappear after project ends
- Cannot be integrated with, or scaled up across the health system



Avoiding "pilotitis": moving beyond scattered local implementation

- Reach: How do you ensure that scale up reaches all parts of your system?
- Fidelity: How do you ensure that you keep performance reliable as you scale up (scaling a better design)?
- Speed: How do you ensure that you reach full scale rapidly
- Sustainability: How do you ensure that the scaled-up intervention doesn't diminish over time?



Over to you....

What challenges have you experienced with scale up?

2 min discussion5 min report out

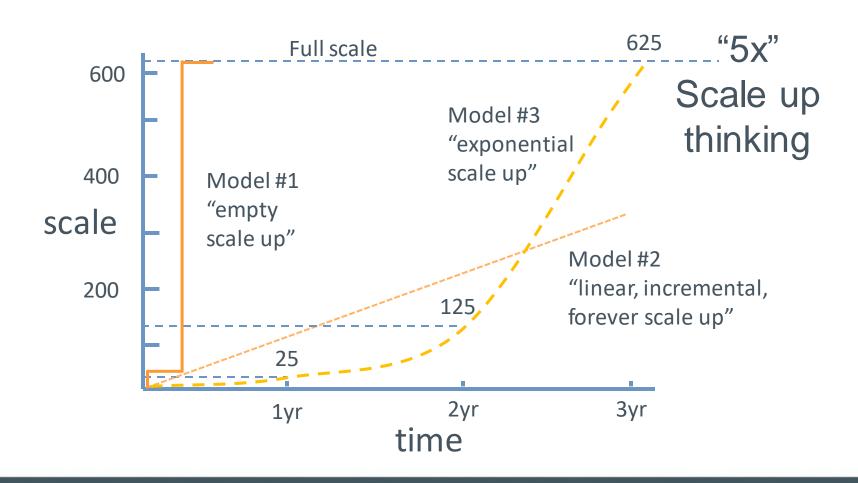


Methods for spread and scale up

- 1. Natural diffusion
- 2. Executive mandates
- 3. Extension agents spread ideas and best practices.
- 4. Emergency mobilization rapid efficient assembly of plans, materials, supplies.
- 5. Affinity group develop superior model, then dissemination to other sites in the system.
- 6. Collaborative (physical or virtual) networked structured learning and exchange around shared aims, measures, and goals.
- 7. Wave sequence systematic spread within integrated multi-level systems
- 8. Campaigns shared, quantitative aim connected to a targeted social system (evidence-based intervention, measurement, communications, and distributed field operations).
- 9. Hybrid approaches, where combined elements from different approaches form a new approach.

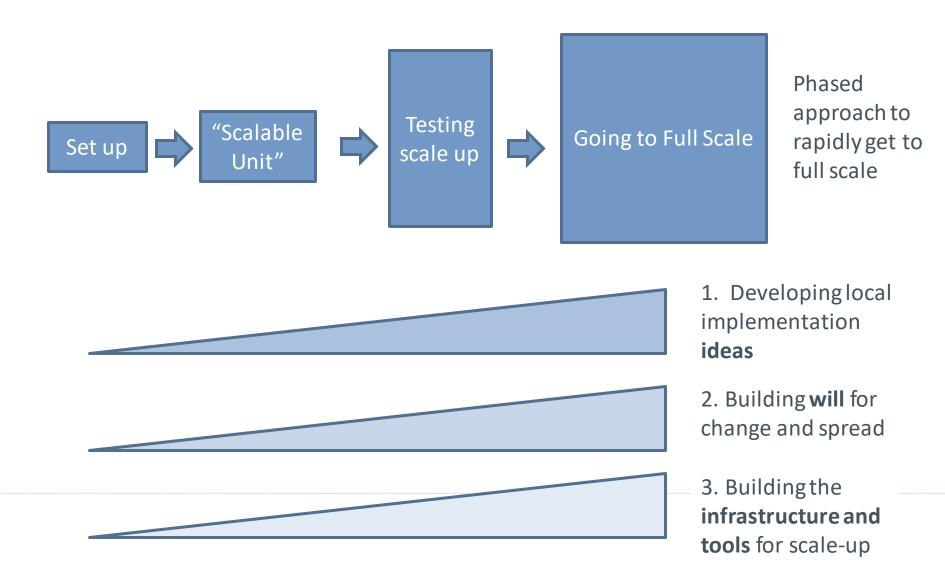


Phased design allows Exponential vs Linear Scale





The IHI Scale-up Framework



3 Case Studies

- Brazil
- England
- Ethiopia





Addressing the Cesarean Section Epidemic in Brazil

Paulo Borem MD

Director, Latin America Region

Brazilian health care system 3M birth/year - 99% births in hospitals

	Private	Public
# of births	20%	80%
Professional model of care	Obstetricians on call	Midwives and obstetricians on duty
% of CS	85%	43%
Payment model	Fee for service	Salary
Pregnant women expectation related to the team of care	I will call my obstetrician when labor starts and I expect him/her to come to the hospital to assist my birth (anytime, 24/7)	I am going to the hospital to have my baby assisted by the team on duty
Antenatal care	Private office by the obstetrician	Primary care, including midwives

Vaginal Birth before PPA – a positive experience?

No companion, fasting, immobilized, non pharmacological pain management

Birth in operation rooms

IV line

Early hospital admission



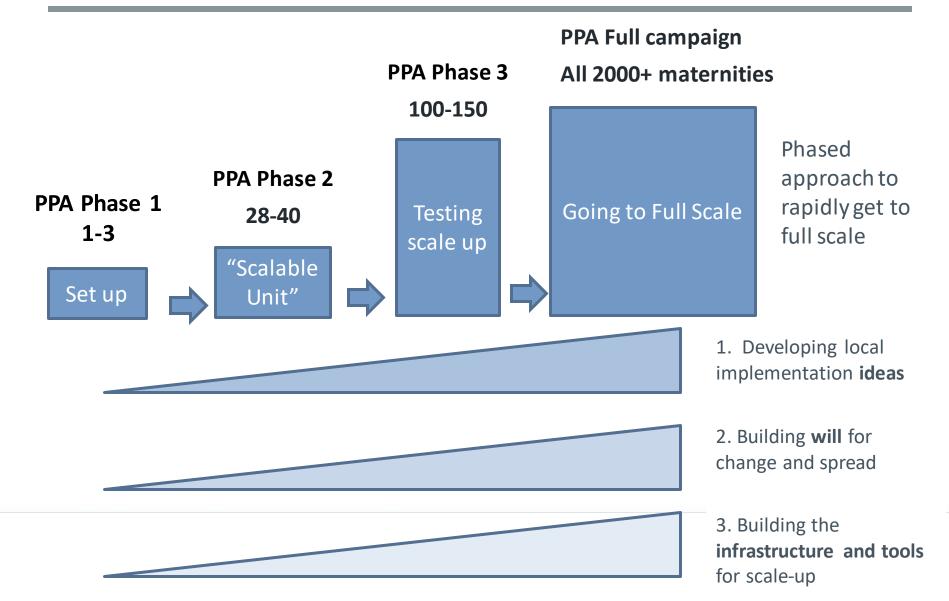
Prolonged lithotomy position

Kristeller maneuver

High doses of Oxytocin









PROBLEM: EXCESS C-SECTION VAGINAL BIRTH NOT A POSITIVE EXPERIENCE

1. Aim

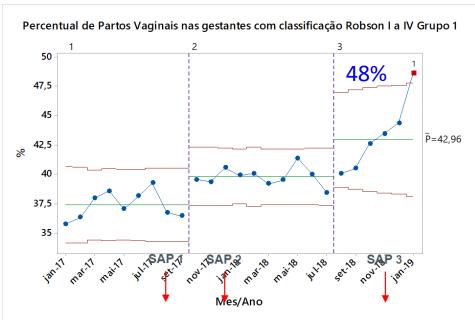
2. Content Theory

3. Execution Theory

4. Data, Measures

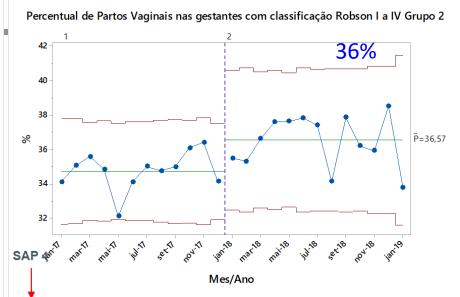
5. Comms, Dissem.

% VB New hospitals



% VB public hospitals 69 68 67 66 65 64 63 62 61 60 Mes/Ano

% VB phase 1



NPS from 83% to 87%



External evaluation 12 hospitals



5,215 births and ≈ 5K interviews

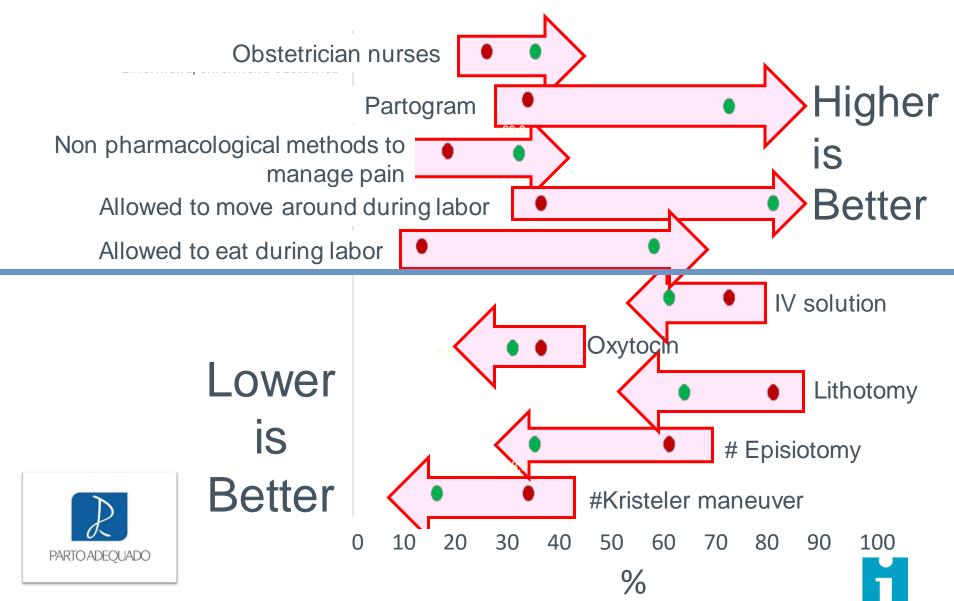
BILL&MELINDA
GATES foundation



Jacqueline Alves
Torres (ANS)



Did care improve?





Ethiopia Health Care Quality Initiative

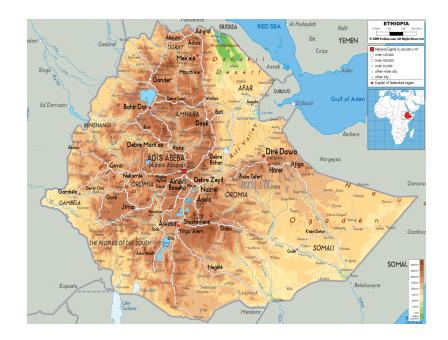
Quality Improvement at Scale to Advance Global Health Equity

Hema Magge, MD, MS Executive Director, Ethiopia Institute for Healthcare Improvement

Boston Children's Hospital Brigham and Women's Hospital

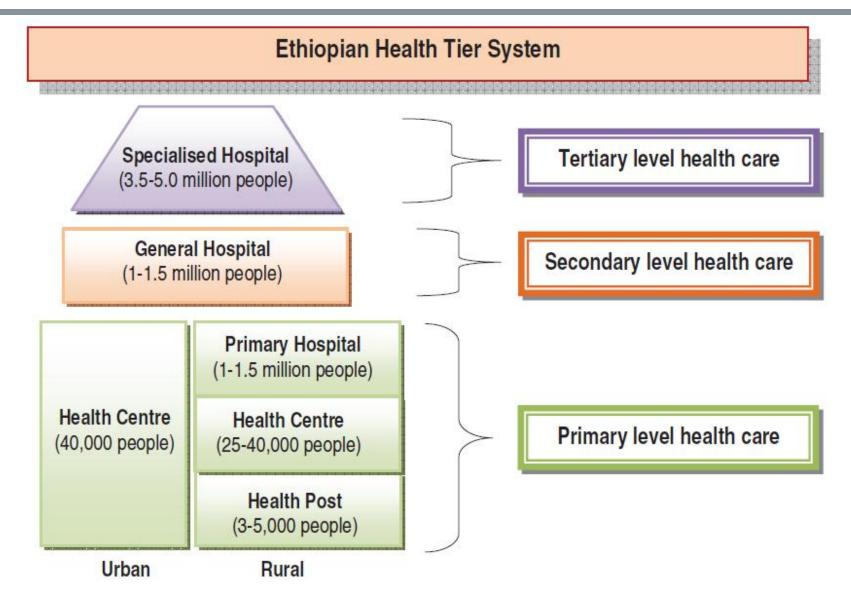
Ethiopia Country Context

- Total Population, 2017: 94,228,000
- GDP per capita, 2017:
 US\$660
- Neonatal Mortality,2016: 29 per 1000 livebirths
- Maternal Mortality,2016: 412 per 100,000live births
- Facility delivery: 26%





Ethiopian Health Care System

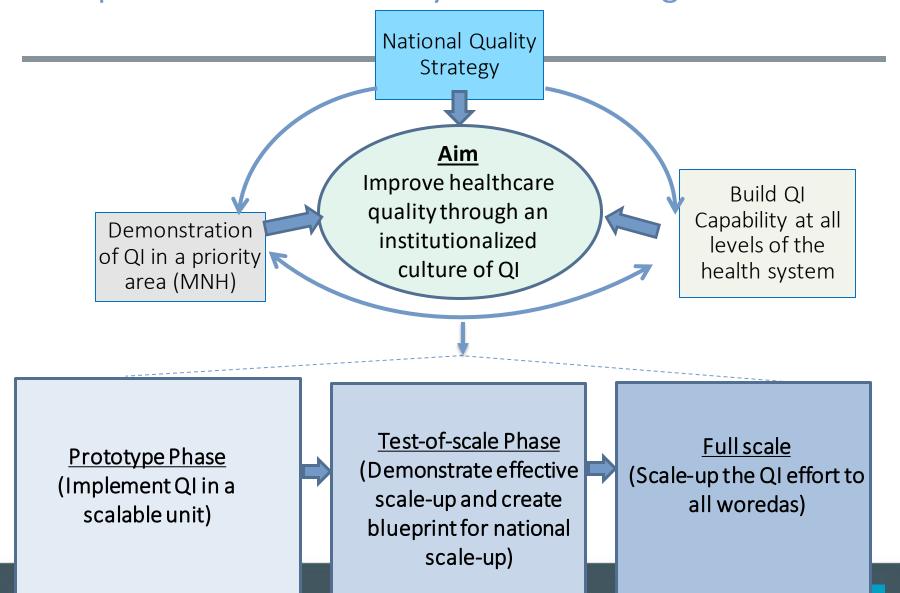


The Quality Gap in Maternal Newborn Health

- Ethiopia decreased child mortality in Ethiopia by 2/3 between 1990 and 2015, thus achieving Millennium Development Goal 4
 - Critical progress in access and coverage
- However, rates of child, neonatal and maternal mortality remain unacceptably high
- > Further progress will require more system-level change
 - Across all levels of health system
 - Across the MNH continuum of care
 - Move beyond coverage > high quality, patient-centered, equitable care



Ethiopia Health Care Quality Initiative Design Framework



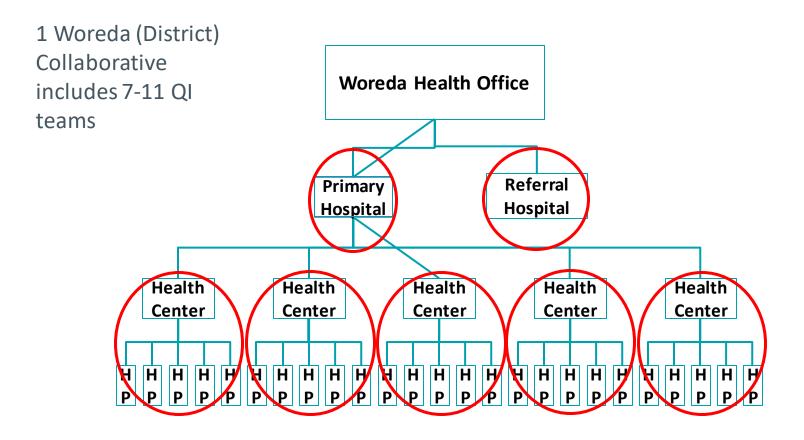
MNH Collaborative Driver Diagram

Increased Health Seeking Behavior

Reduce maternal and neonatal facility-based mortality in participating sites by 30% Improved mechanisms to reach appropriate level of health care facility

Improved quality of care at health institutions (safe, effective, patientcentered, timely, efficient, equitable)

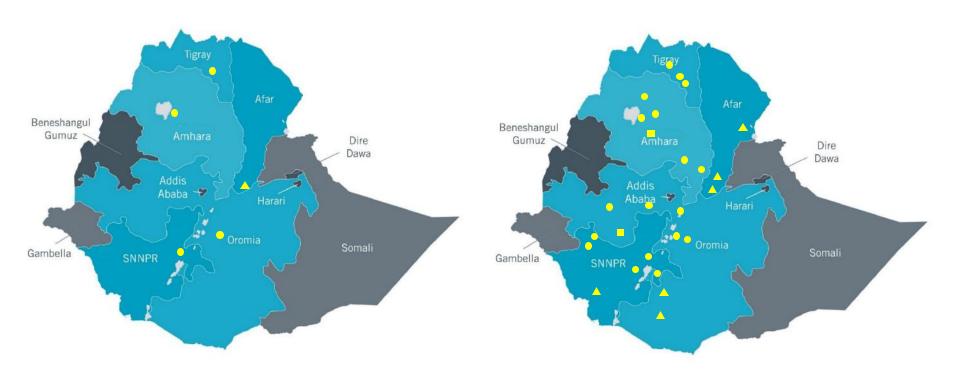
The Collaborative Unit: What is Scalable?





Phased Approach (18-month Learning Collaboratives)

Prototype Phase Test-of-Scale Phase

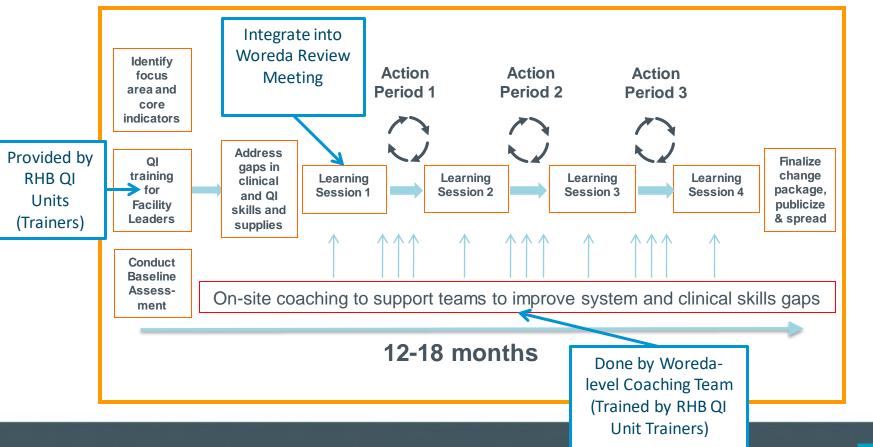


Key: = Agrarian = Urban Pastoral



Woreda Learning Collaborative Design: In Support of MOH National Plan

Adjustments for Test-of-Scale Phase to integrate collaborative activities into existing structures, build ownership and ensure sustainability:





Progress to Date: Prototype Phase

- Capability Building:
 - >200 health facility staff and managers trained in QI
 - National QI Training program by the FMoH and RHBs will lead scale up
- Learning Collaboratives:
 - 4 prototype collaboratives, >100 facilities completed
 - Established primary hospital neonatal units
 - Introduced novel respectful maternity care module using patient testimonials to inspire change idea testing
 - Change package completed and spread









Task shifting of syphilis testing from lab techs to nurses when no lab tech staffed

Changes







Leverage the "Pregnant women's conference" platform to engage communities

Teff and maize grown to sell and purchase maternity privacy screens, food for women in maternity waiting homes

Strengthen patient-provider communication



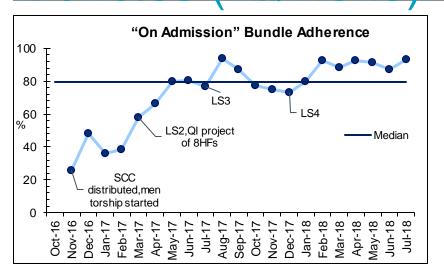


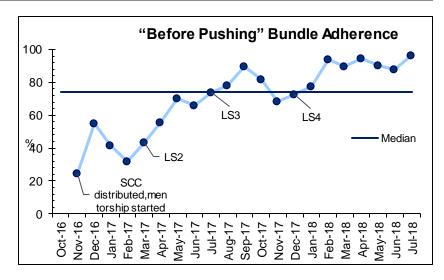
Mothers in Learning Sessions and QI teams

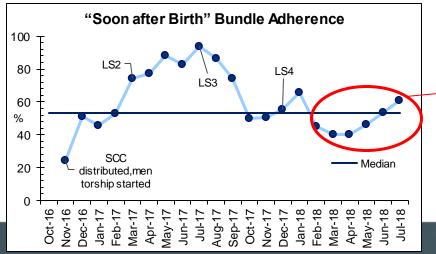


Improve service quality and comfort of maternal waiting homes

Clinical Process: Delivery Care Bundles (All/None)







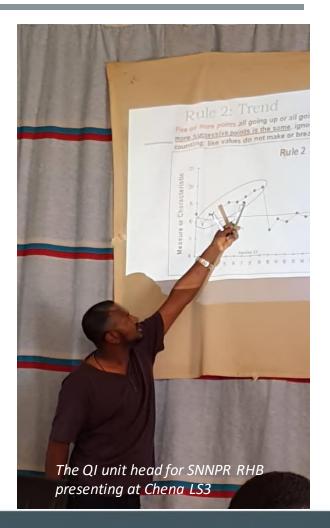
Exploring root
causes of stock-out
of Vitamin K as
driver for low
all/none bundle
adherence



Test-of-Scale Collaboratives

- 21 test-of-scale (TOS) collaboratives underway
- Trained > 600 more health workers and managers
- District improvement in core indicators







Learning to Date

Enabling factors:

- Co-design with FMoH to align with Ethiopia
 Health Sector Transformation Plan
- Adapted collaborative design with clinical support integration
- Integration of experiential quality and community engagement

Challenges to improvement:

- Fragility of basic health system infrastructure
- Data Quality
- Contextual factors: cholera, flooding, draught, security concerns



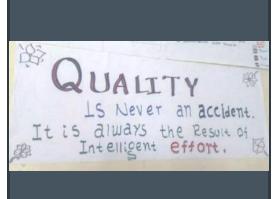


Thank you!













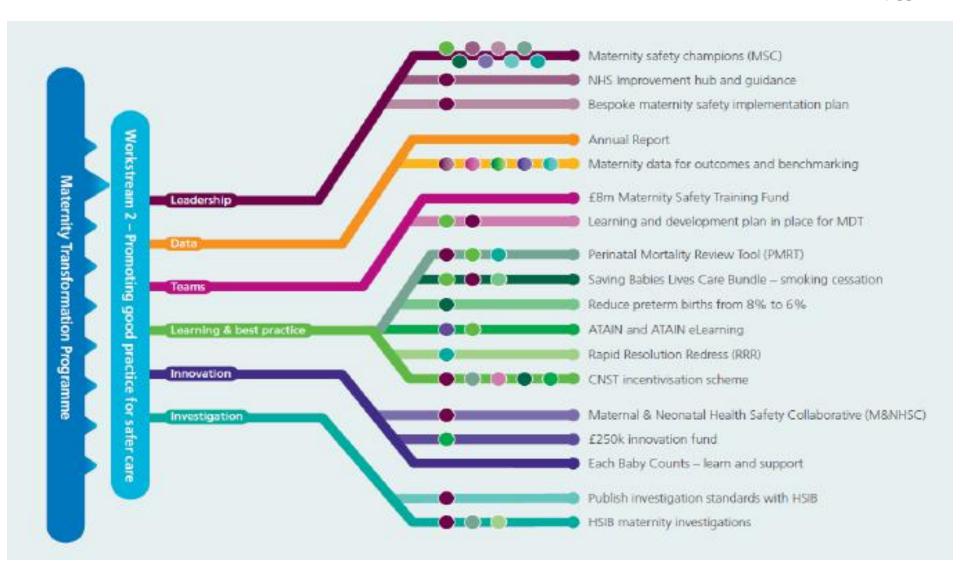
National maternal and neonatal safety collaborative

@MatNeoQl improvement.nhs.uk











To improve outcomes and reduce unwarranted variation by providing a safe, high quality healthcare experience for all women, babies and families across maternity care settings in England.

Reduce the rate of stillbirths, neonatal death and brain injuries occurring during or soon after birth by 20% by 2020

Improve the proportion of smoke free pregnancies

Improve the optimisation and stabilisation of the very preterm infant

Improve the detection and management of diabetes in pregnancy

Improve the detection and management of neonatal hypoglycaemia

Improve the early recognition and management of deterioration during labour & early post partum period

Creating the conditions for a culture of safety and continuous improvement

P36

Develop safe and highly reliable systems, processes and pathways of care

Improve the experience of mothers, families and staff

Learn from excellence and harm

Improving the quality and safety of care through Clinical Excellence



What is the ambition of the collaborative?

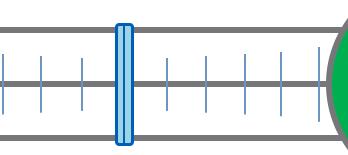
By 2020 each Trust, local maternity system and network should have:

- significant capability (& capacity) for improvement
- detailed knowledge of local cultural issues
- developed a locally sensitive improvement plan
- made significant improvement to local service quality and safety
- data to share with their board, staff and commissioners that reflect these improvements

...to create the conditions for a safety culture and a national maternal and neonatal learning system



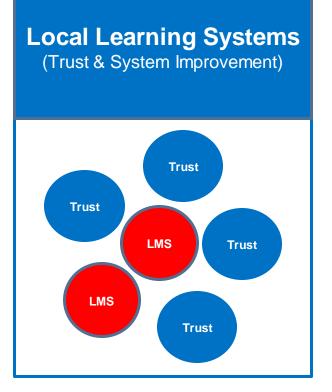
Controlled pilot population



Relying on Regional Infrastructure

National Learning Set
(Trust Improvement)

Trust
Trust
Trust
Trust
Trust





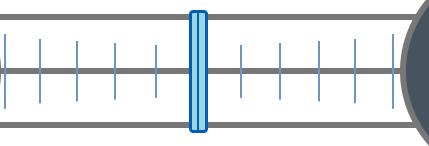
Start when

you've got all

the pieces in

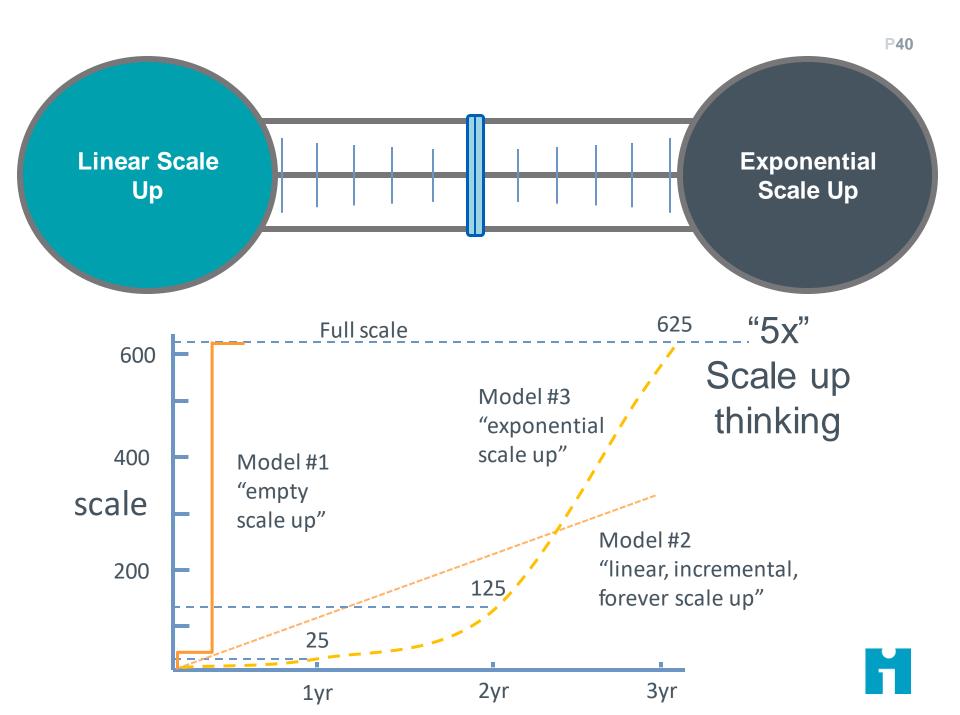
place

Start before you're ready









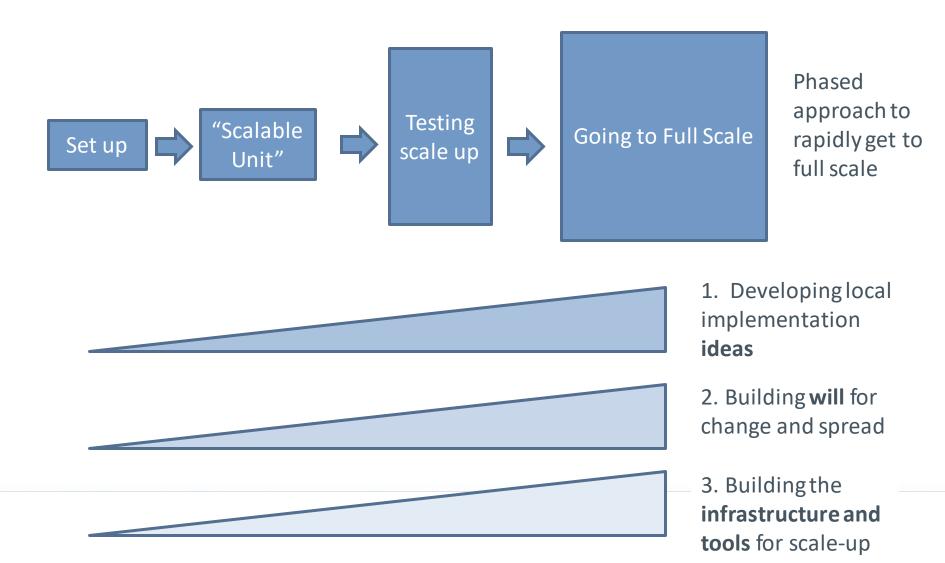
Over to you....

What are the main enablers and challenges of getting to full scale identified in these 3 case studies?

5 min discussion5 min report out



The IHI Scale-up Framework



Summary of Enablers and Challenges

- System strength, capabilities and context
- Leadership engagement
- Theory of change
- Partnerships that we can leverage
- Contextualizing the implementation approach
- Measurement or evaluation strategy

