### The why, what and how of KMC program evaluation

#### Anne-Marie Bergh

MRC Unit for Maternal and Infant Health Care Strategies, University of Pretoria, South Africa





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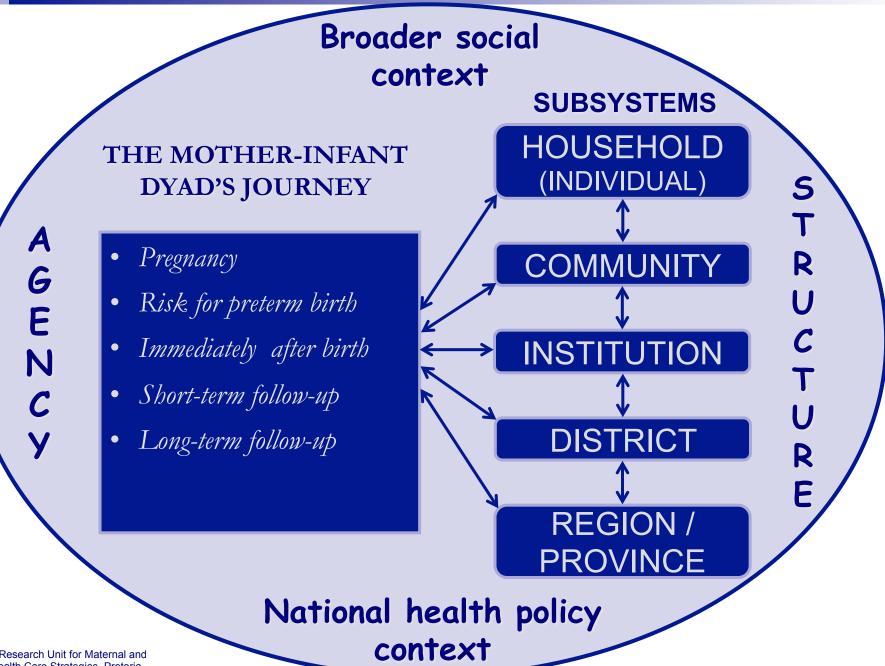
### Outline

- The context of KMC program evaluation
- What is a KMC program?
- What is evaluation?
- What to evaluate in a KMC program and where?
   Institutional level
   Country or district level
- Making decisions



# The context of KMC program evaluation

- A KMC program is executed within a broader national and social context
- For individual mothers and families KMC is a journey from conception to long-term follow-up
- A KMC program can be evaluated at different levels (subsystems) in the health system



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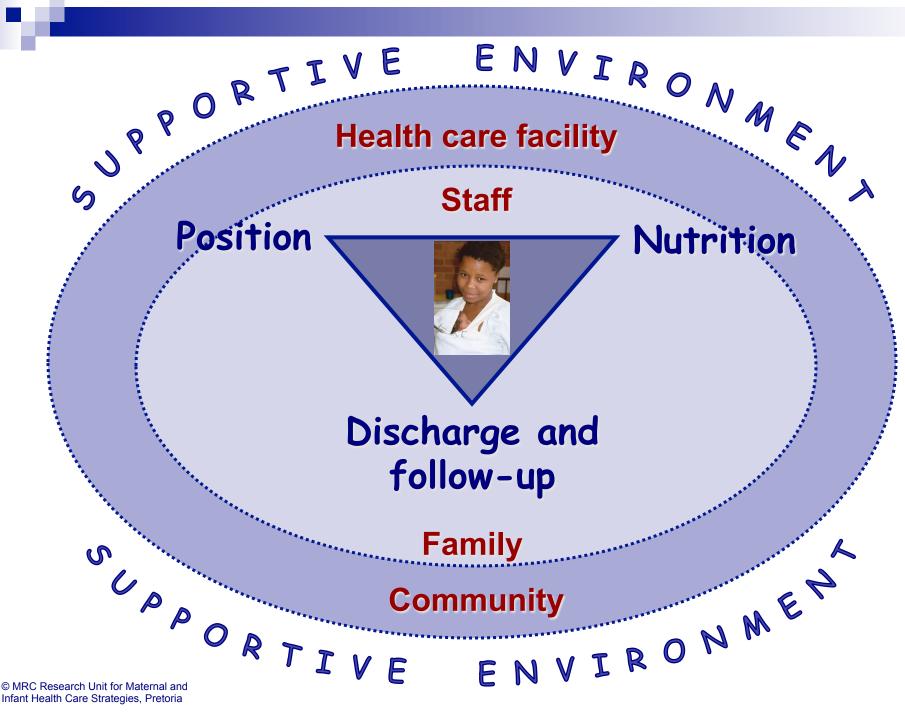
### What is a KMC program?

## Different interpretations of what a KMC program entails:

- KMC practice (method)
- KMC services
- KMC implementation
- KMC training

# Different interpretations of a KMC program

 KMC practice (method) → mother-infant dyad central Three components in a supportive environment



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# Different interpretations of a KMC program

- KMC practice (method) → mother-infant dyad central Three components in a supportive environment
- KMC services → enable mothers, caregivers and health workers to practice KMC
- 3. KMC implementation → action plan to establish KMC services in a health care facility or in a number of facilities in a particular country, region or district

### What is a KMC program?

- A KMC program entails a combination of KMC practice and the provision of KMC services
- In order to run a KMC program effectively and efficiently, this program also needs to contain elements pertaining to education and training
  - Different aspects of a KMC program and its establishment and implementation can be evaluated

### What is evaluation?

- An ongoing process → monitoring and evaluation (M&E)
- The aim of M&E can be to
  - Count (quantitative evaluation)
  - understand (qualitative evaluation), or
  - explain (quantitative and/or qualitative evaluation)

# What to evaluate in a KMC program? – Examples

#### 1. KMC practice

- One specific aspect of one component
- Different aspects of different components
- Interaction between different components

#### 2. KMC services

- Different levels of the health system
- Can be linked to accreditation of neonatal services

#### 3. KMC implementation

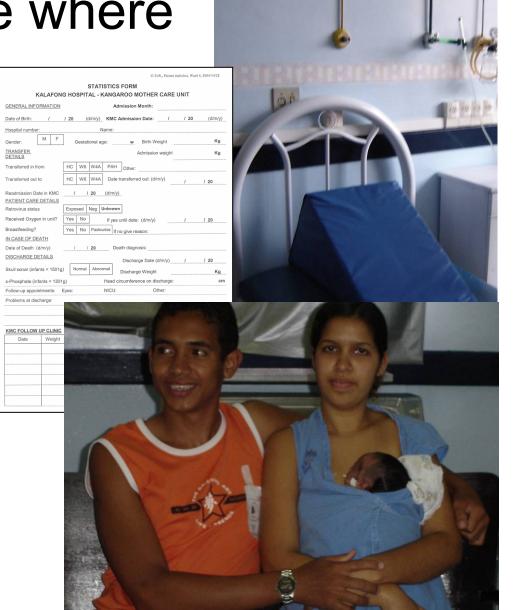
 Different aspects of the progress with implementation and scale up

#### 4. KMC training

 Can be linked to pre-service and in-service education accreditation

# What to evaluate where where in a KMC stars of the stars

Input
Process
Outcomes
Impact



# Where to evaluate what? – Examples

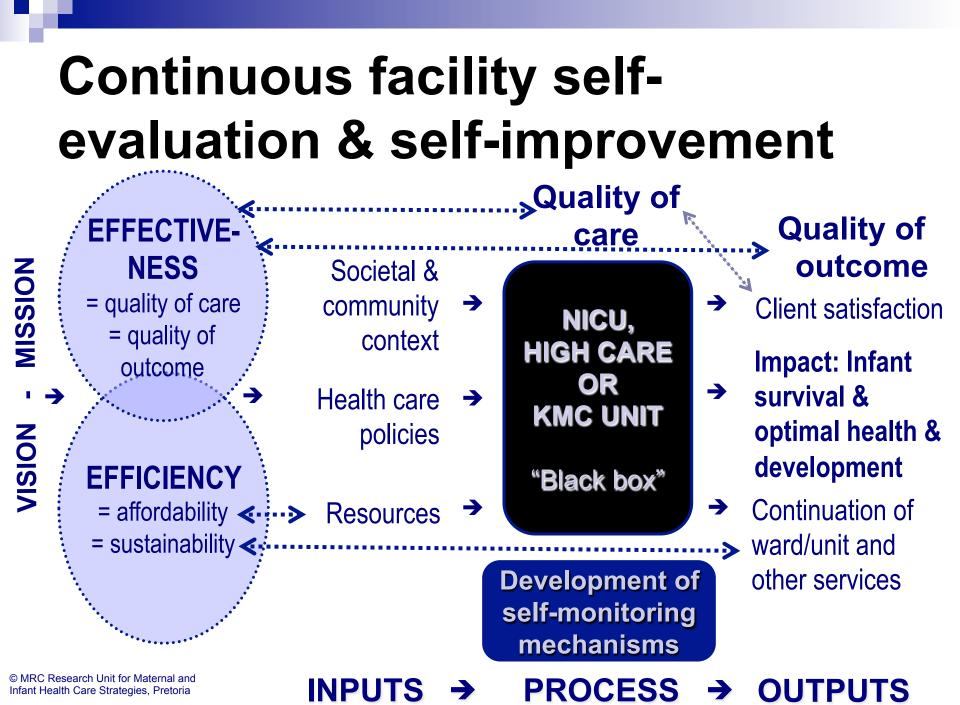
	KMC practice (people)	KMC services (system)
Input	How much KMC? (Intermittent/ Continuous)	Resources (human, equipment, infrastructure) Training
Process	How long KMC? Barriers to practice	Policies & protocols Record keeping & stats Meetings
Outcome	Survival Reduced morbidity	Number of infants receiving KMC
Impact	Long-term effects (e.g. bonding, neurodevelopment)	Neonatal mortality & morbidity rates

# Where to evaluate what? – Examples

	KMC implementation	KMC training
Input	Resources	Resources
Process	Design & intervention Supportive supervision M&E program	Training strategies Pedagogy
Outcome	Coverage (institutions, population)	Number of people trained
Impact	Epidemiological indicators (e.g. mortality, morbidity, long-term health outcomes)	Use of knowledge and skills Implementation of a KMC program

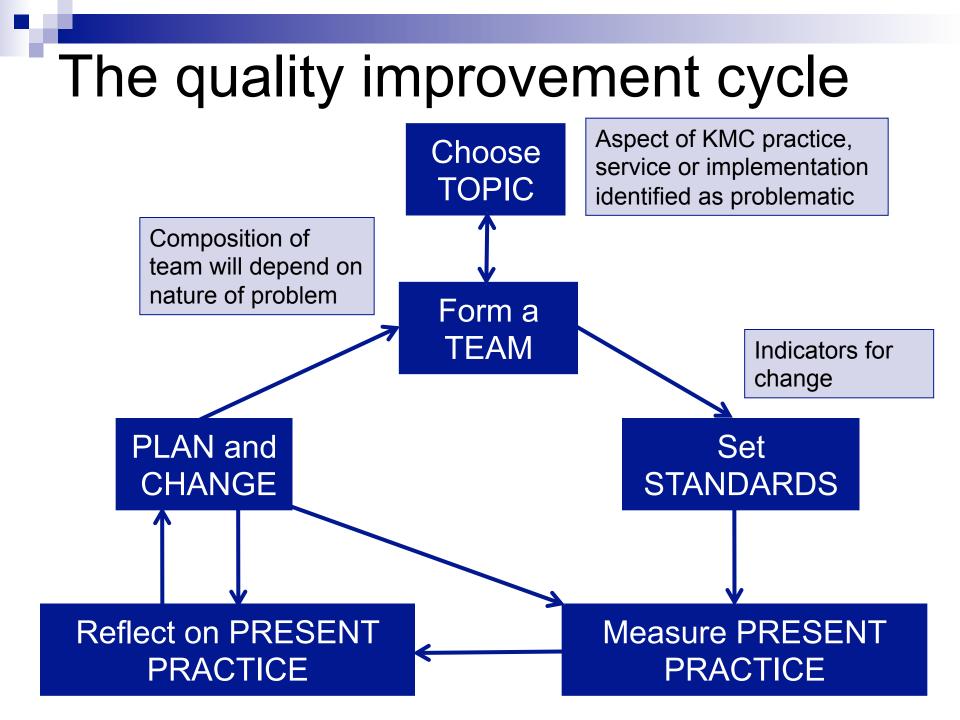
### Uses of evaluation results depend on the purpose of the evaluation

Subsystem levels	Purpose	Use
	Trends in public	Health policy &
Higher levels	health	planning
Lower levels	Quality assurance	Improving clinical practice



# Self-monitoring mechanisms for health care facilities

- How can we adapt existing recordkeeping documents to include KMC data?
  - Be mindful of a proliferation of new forms
- What is worthwhile to report on, to whom and where?
  - Management (process of implementation; KMC uptake and coverage)
  - Use of existing meeting structures (e.g. perinatal morbidity and mortality or other audit meetings)
  - Report to higher levels of the health systems often useful when KMC services are systematically expanded
- Reporting should be institutionalised



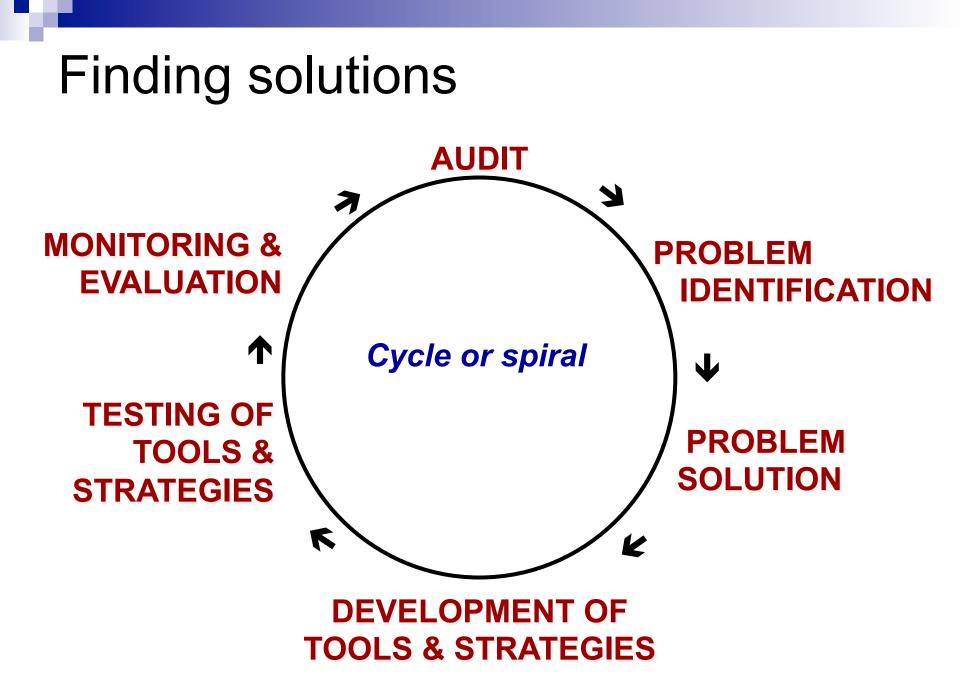
# Country evaluation of a KMC program

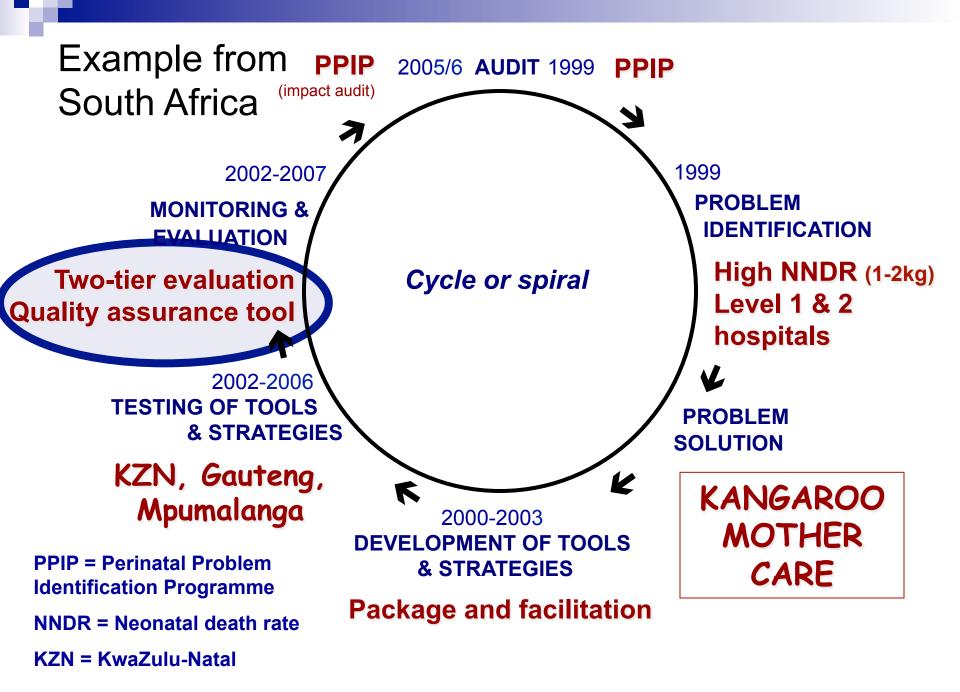
- Sometimes difficult to use impact indicators such as mortality for KMC effect – other programs running simultaneously
- Measurements:
  - □ Measuring QUALITY OF CARE → should be part of evaluation of neonatal care in general (e.g. accreditation of services)
  - □ Monitoring PROGRESS WITH IMPLEMENTATION of KMC services → stages-of-change model – based on facility assessments

# KMC as part of accreditation for neonatal care

- Example from KwaZulu-Natal, South Africa
- Different criteria for different hospital levels
- KMC beds (function) as a percentage of neonatal beds (level 1 & 2 hospitals = 33%)
- KMC unit as a work space minimum and maximum number of beds per cubicle, surface space per bed, ablution criteria, lounge, furniture, availability of pouches & hats



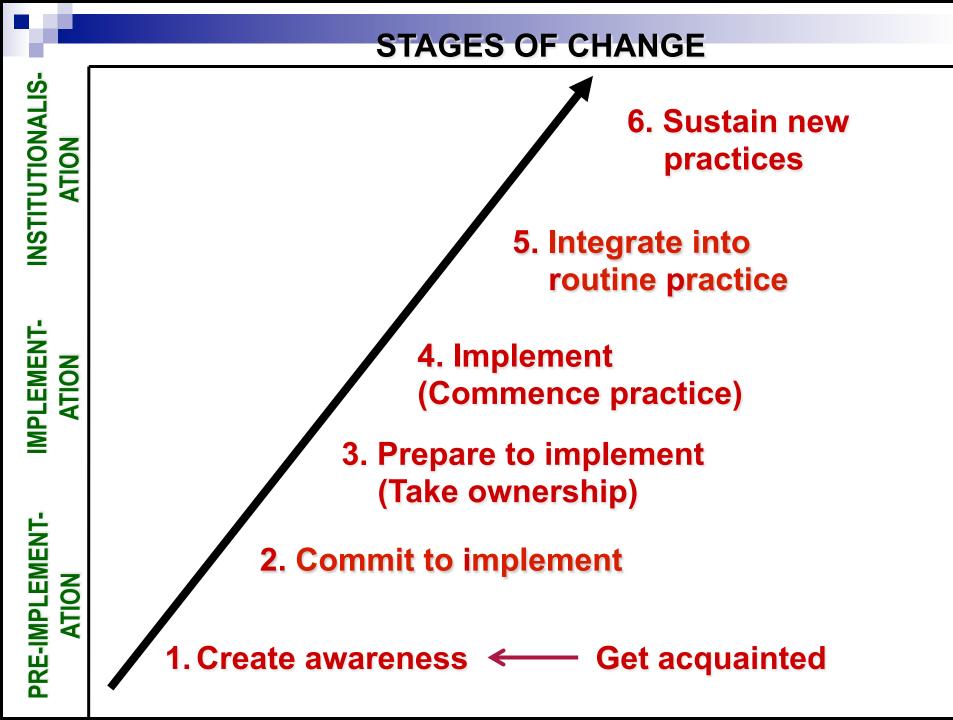




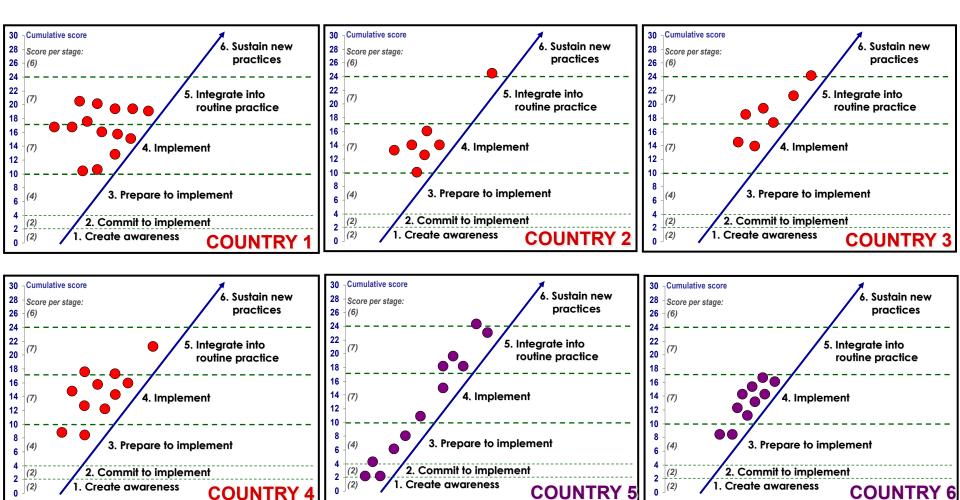
### Monitoring progress with facilitybased KMC implementation

- 1. Health care facility
- 2. Neonatal & kangaroo mother care
- 3. Skin-to-skin practices
- 4. History of KMC implementation
- 5. Involvement of role-players
- 6. Resources
- 7. Continuous KMC
- 8. Intermittent KMC
- 9. Feeding and weight monitoring
- 10. Records in use for KMC information

- 10. KMC education
- 11. Documents
- 12. Referrals, discharge and follow-up
- 13. Staff orientation and training
- 14. Staff rotations
- 15. Strengths and challenges
- 16. Mothers
- 17. General observations and impressions



### Presenting progress scores



### Making decisions

- What can and should be evaluated?
- Who should evaluate what?
- Where should the evaluation happen?
- When and how often should the evaluation happen?
- How should the evaluation be done?
- How much should be directed from the top and how much should organically develop from below?
- What indicators will be used for evaluation?
- How will we use the results of the evaluation?

### Thank you

