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# Measurement and Effects of a Quality Improvement Program on Antenatal Care in 12 regions of Tanzania

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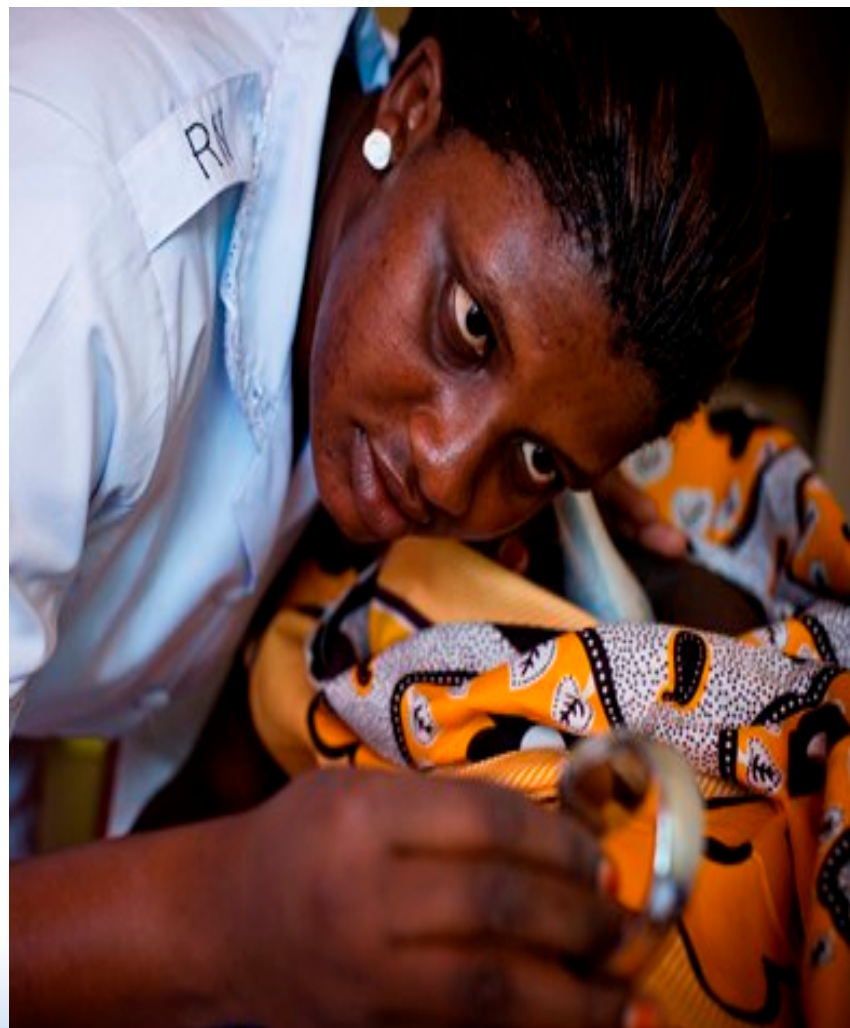
# Presentation Outline

- Background
- Program Approach & Interventions
- Study Methodology
- Results
- Recommendations



# Background

- MAISHA USAID-funded program was implemented in collaboration with the Ministry of Health and Social Welfare to improve the quality of maternal and newborn care in Tanzania
- Utilized Standards-Based Management & Recognition (SBM-R) process as a change management tool



## **SBM-R Approach introduced to improve quality of care**

li



- National ANC performance standards adapted from WHO guidelines
- Provision of ANC basic equipment
- Training of providers and supervisors:
  - FANC clinical skills - 7,309 covering 3,540 facilities
  - Supportive supervision - 619
  - SBM-R continuous modular sessions- 111 representing 21 regional hospitals
- Quarterly supportive supervision, coaching & mentoring
- Assessments 1 to 4 per year, by Regional & Council HMTS in collaboration with MAISHA staff

# QoC Study Objectives

- To capture proportion of women and newborns receiving key maternal health services
- To assess knowledge of providers on maternity and ANC evidence-based practices
- To assess availability of key medicines and supplies for ANC and maternity services



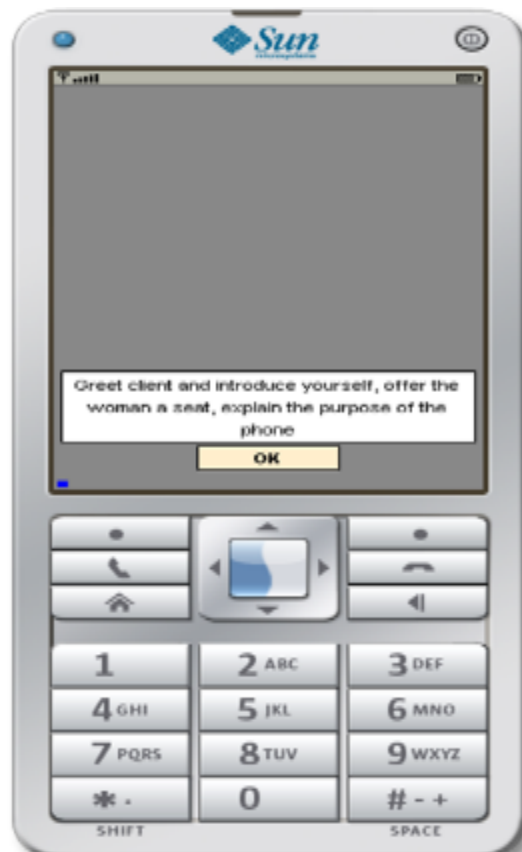
# Study Design

Pre/post health facility survey with direct observation of clinical care, including antenatal care and labor and delivery care, at baseline (2010) and endline (2012) in selected program facilities with at least one delivery a day

	Regional Hospitals Assessed	Health centres/ dispensaries assessed	Number of ANC Observations	Number of labour and delivery observations
2010	12	40	391	489
2012	12	38	366	555

# Study Procedure

- Data Collection Tools based on WHO guidelines:
  - Antenatal care observation checklist
  - Record review form
  - Health care worker interview
- Facility inventory checklist adapted from the Service Provision Assessment
- Data collection at health facility over a 3-4 day period
- Smart phones/tablets used; sent data to an online database



Q301: As baby's head is delivered, supports perineum   0

Q302: OBSERVER: Note time of the delivery of the baby (uses 24-hour clock)  12:23

Q302B: Is there a presence of a second baby?

Q302C: Administers Uterotonic?   0

Q302A: Checks for another baby prior to giving the uterotonic   0

Q303: Note time uterotonic given (use 24 hour clock)

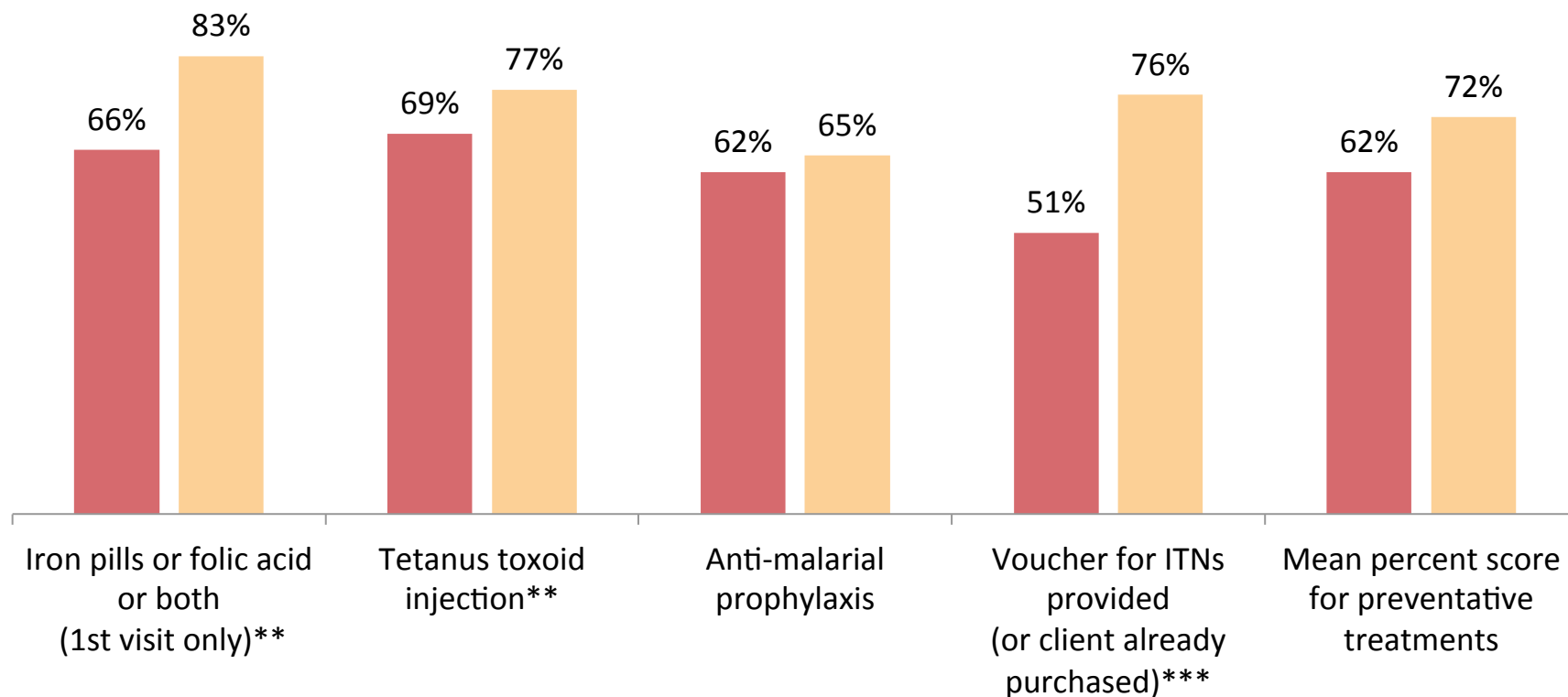
Q306: Timing of administration of uterotonic (oxytocin, ergometrine, syntometrine, prostaglandins)

Q307: Which uterotonic given

Q308: Dose of uterotonic given and type of units of medication (e.g. IU, mg)

(IF NECESSARY. ASK AFTERWARDS)

# Provision of Key Preventive Services During ANC, 2010 and 2012

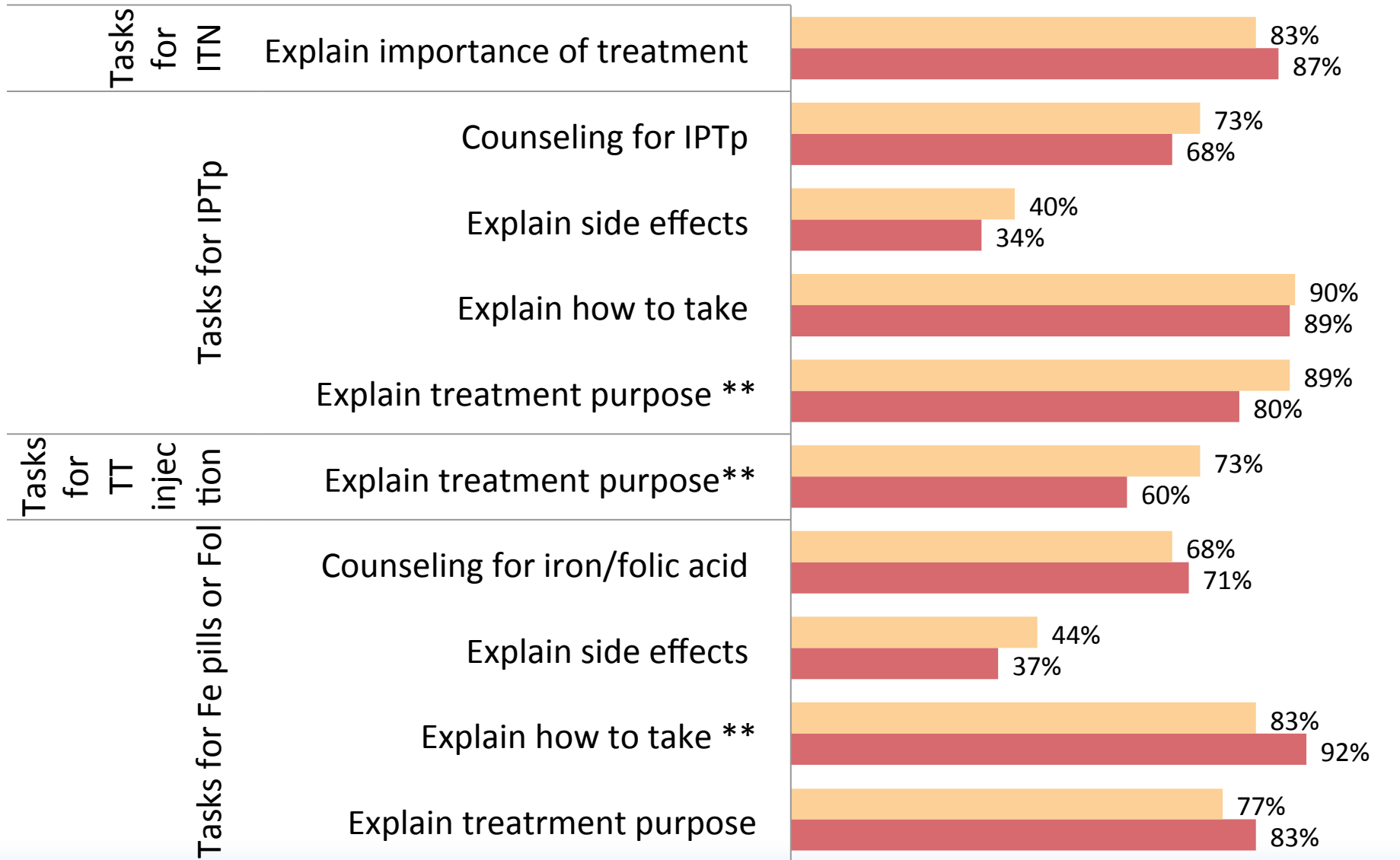


\*\*\* p<0.0001, \*\*P<0.005, \*P<0.05

■ 2010 ■ 2012



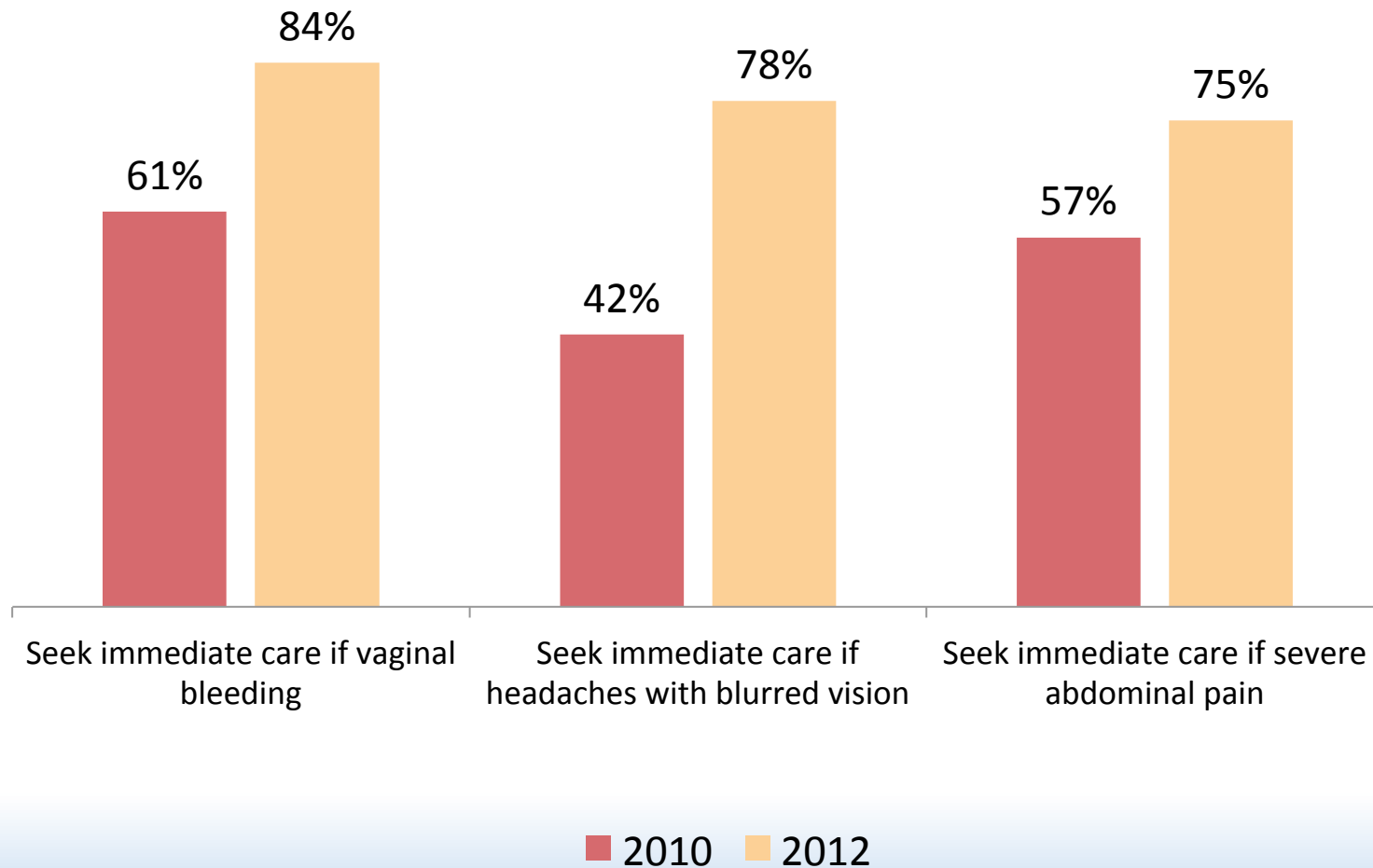
## Antenatal Care Counseling tasks



\*\*\* p<0.0001, \*\*P<0.005, \*P<0.05



# Counseling on danger signs at ANC, 2010 and 2012



# Availability of Equipment and Supplies

<b>Supplies for ANC</b>	<b>2010 (N=48)</b>	<b>2012 (N=50)</b>
<b>Functioning adult weighing scale</b>	90	94
<b>Functioning blood pressure apparatus</b>	90	94
<b>Functioning stethoscope</b>	81	96
<b>Functioning fetal stethoscope</b>	96	96
<b>Iron or folic acid tablets</b>	90	80
<b>Tetanus toxoid vaccine</b>	90	94
<b>SP for intermittent preventive treatment</b>	90	82
<b>RPR kit/Syphilis SD Bioline</b>	92	74
<b>HIV rapid test/HIV Determine and Unigold</b>	N/A	76
<b>Mebendazole/albendazole</b>	N/A	84

## Conclusion/Recommendation:

- Direct observations with structured checklist provided a real picture on providers performance
- The study showed there **was** an improvement in Maternal and Neonatal health Services including the skills of health care providers.
- Ensure continuous availability of all necessary equipment, supplies and medicines for providing ANC services
- Strengthen supportive supervision during ANC consultation
- Encourage on job training to refresh/update staff on the national service standards

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Thank You



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