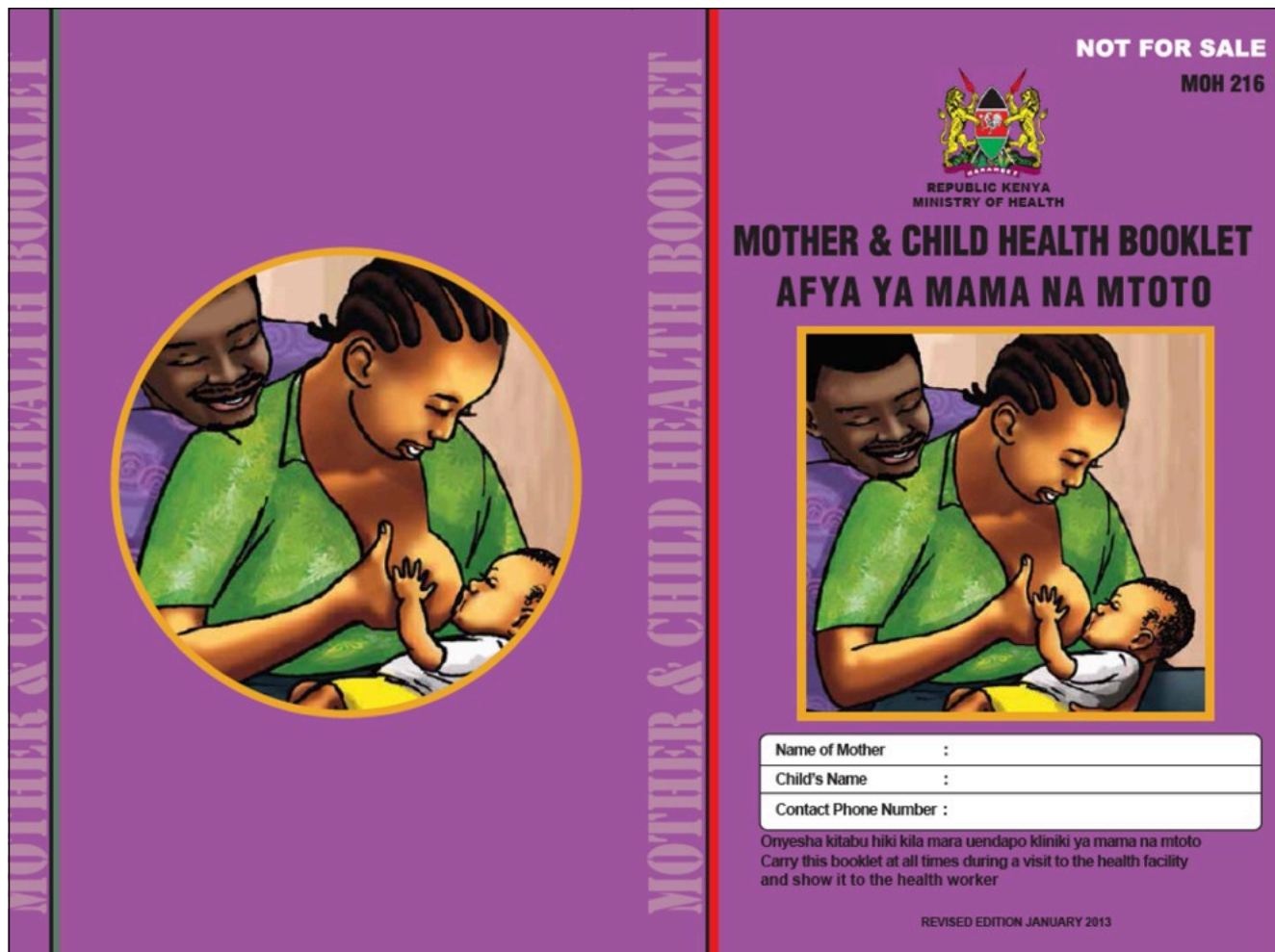


EMR standards for Maternal and Child Health



Outline

- Specifications
- Reporting / indicators
- Measuring impact

Specifications

1. Create / Register Patient
2. Initial Visit
3. Return Visit
4. Delivery Visit
5. Postnatal Visit

Reporting

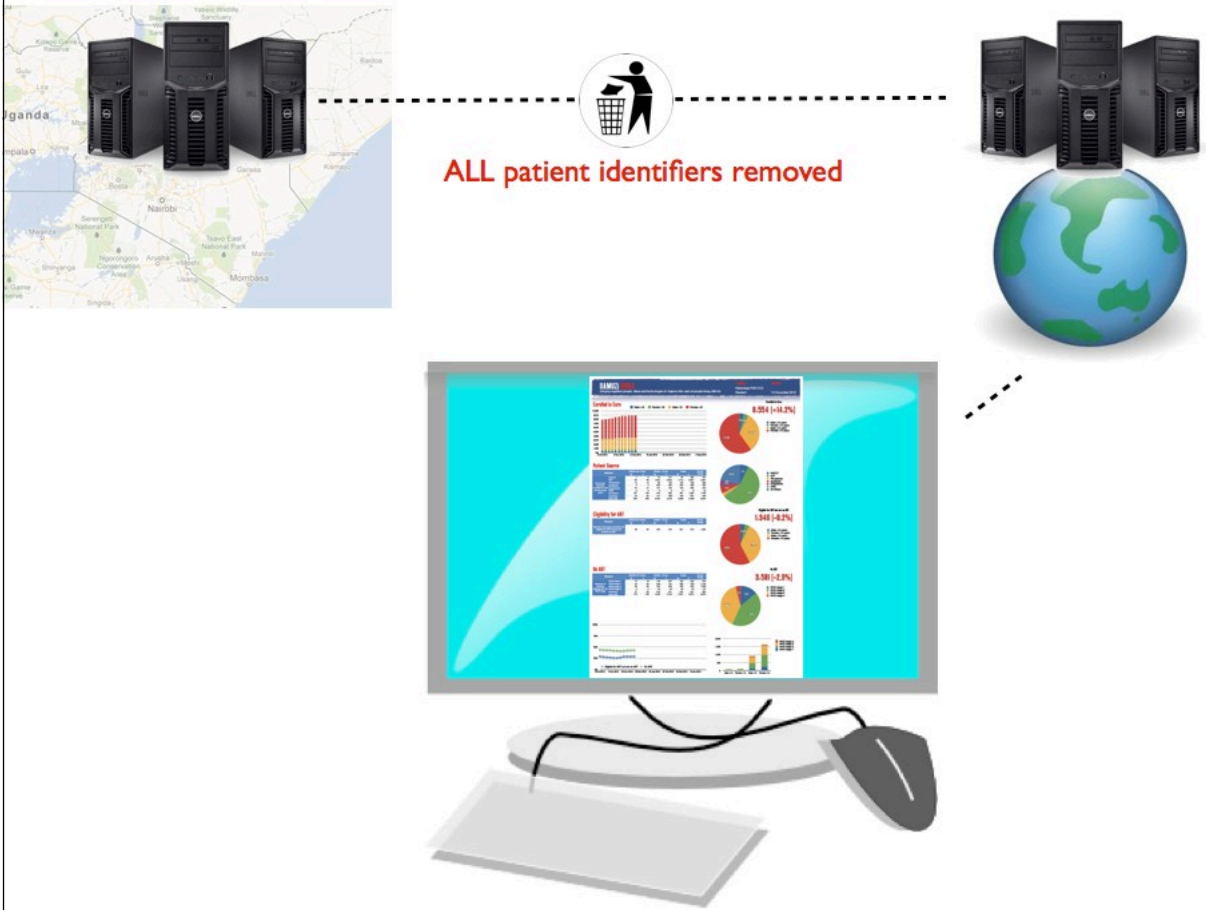
1. Antenatal care
2. Delivery
3. Postnatal care

ANTENATAL CARE MATERNAL AND CHILD HEALTH REPORT							
Facility Name: #parameter.location#		From:	#parameter.startDate dd To:		#parameter.endDate dd/1		
ID	Measure	Women		Total			
		<18	>18				
A	ANC visits	ANC initial clinic visit	#ANC1a#	#ANC1b#	0		
		ANC visit 2	#ANC2a#	#ANC2b#	0		
		ANC visit 3	#ANC3a#	#ANC3b#	0		
		ANC visit 4 or more	#ANC4a#	#ANC4b#			
		Sub-total	0	0	0		
B	Medical and Surgical History	Diabetes	#MCHb1a#	#MCHb1b#	0	#VALUE!	#VALUE!
		Hypertension	#MCHb2a#	#MCHb2b#	0	#VALUE!	#VALUE!
		Blood transfusion	#MCHb3a#	#MCHb3b#	0	#VALUE!	#VALUE!
		Tuberculosis	#MCHb4a#	#MCHb4b#	0	#VALUE!	#VALUE!
		Family History of twins	#MCHb5a#	#MCHb5b#	0	#VALUE!	#VALUE!
		Family History of TB	#MCHb6a#	#MCHb6b#	0	#VALUE!	#VALUE!
		Sub-total	0	0	0	#DIV/0!	#DIV/0!
C	Counselling Services	Infant Feeding counselling done	#MCHc1a#	#MCHc1b#	0	#VALUE!	#VALUE!
		Counselling on exclusive breastfeeding	#MCHc2a#	#MCHc2b#	0	#VALUE!	#VALUE!
		Infant feeding for HIV infected	#MCHc3a#	#MCHc3b#	0	#VALUE!	#VALUE!
		Sub-total	0	0	0	#DIV/0!	#DIV/0!
D	Screening Services	HIV	#MCHd1a#	#MCHd1b#	0	#VALUE!	#VALUE!
		BS for MPS	#MCHd2a#	#MCHd2b#	0	#VALUE!	#VALUE!
		TB screening	#MCHd3a#	#MCHd3b#	0	#VALUE!	#VALUE!
		VDRL	#MCHd4a#	#MCHd4b#	0	#VALUE!	#VALUE!
		Sub-total	0	0	0	#DIV/0!	#DIV/0!
E	Preventive Services	TT1-5 completed	#MCHe1a#	#MCHe1b#	0	#VALUE!	#VALUE!
		Malaria IPT1-3 completed	#MCHe2a#	#MCHe2b#	0	#VALUE!	#VALUE!
		Iron and Folate	#MCHe3a#	#MCHe3b#	0	#VALUE!	#VALUE!
		Deworming	#MCHe4a#	#MCHe4b#	0	#VALUE!	#VALUE!
		ITN	#MCHe5a#	#MCHe5b#	0	#VALUE!	#VALUE!
		LifeStraw	#MCHe6a#	#MCHe6b#	0	#VALUE!	#VALUE!
		Sub-total	0	0	0	#DIV/0!	#DIV/0!
F	HIV Preventive Services	Mother on ARV prophylaxis	#MCHf1a#	#MCHf1b#	0	#VALUE!	#VALUE!
		Baby on ARV prophylaxis	#MCHf2a#	#MCHf2b#	0	#VALUE!	#VALUE!
		Mother on HAART	#MCHf3a#	#MCHf3b#	0	#VALUE!	#VALUE!
		Baby on HAART	#MCHf4a#	#MCHf4b#	0	#VALUE!	#VALUE!
		Sub-total	0	0	0	#DIV/0!	#DIV/0!
G	Care in Pregnancy	Eat one extra meal during pregnancy:	#MCHg1a#	#MCHg1b#	0	#VALUE!	#VALUE!
		Take iron and folic acid tablets:	#MCHg2a#	#MCHg2b#	0	#VALUE!	#VALUE!
		Avoid heavy work, rest more:	#MCHg3a#	#MCHg3b#	0	#VALUE!	#VALUE!
		Sleep under an insecticide treated bed net	#MCHg4a#	#MCHg4b#	0	#VALUE!	#VALUE!
		Go for ANC visit as soon as possible, and	#MCHg5a#	#MCHg5b#	0	#VALUE!	#VALUE!
		Sub-total	0	0	0	#DIV/0!	#DIV/0!
H	Dangers signs in Pregnancy	Any vaginal bleeding	#MCHh1a#	#MCHh1b#	0	#VALUE!	#VALUE!
		Fits	#MCHh2a#	#MCHh2b#	0	#VALUE!	#VALUE!
		Severe abdominal pain	#MCHh3a#	#MCHh3b#	0	#VALUE!	#VALUE!
		Severe headache	#MCHh4a#	#MCHh4b#	0	#VALUE!	#VALUE!
		Very pale	#MCHh5a#	#MCHh5b#	0	#VALUE!	#VALUE!
		Fever	#MCHh6a#	#MCHh6b#	0	#VALUE!	#VALUE!
		Reduced or no foetal movements	#MCHh7a#	#MCHh7b#	0	#VALUE!	#VALUE!
		Sub-total	0	0	0	#DIV/0!	#DIV/0!

DELIVERY									
MATERNAL AND CHILD HEALTH REPORT									
Facility Name: #parameter.location#		From:		#parameter.startDate dd		To:		#parameter.endDate dd/	
ID	Measure	Women							
		<18	>18	Total					
A	Method of Delivery	Spontaneous vaginal	#DELa1a#	#DELa1b#	0				
		Breech	#DELa2a#	#DELa2b#	0				
		Caesarean	#DELa3a#	#DELa3b#	0				
		Other	#DELa4a#	#DELa4b#	0				
		Sub-total	0	0	0				
B	Place of Delivery	Hospital	#DElb1a#	#DElb1b#	0	#VALUE!	#VALUE!		
		Clinic	#DElb2a#	#DElb2b#	0	#VALUE!	#VALUE!		
		Home	#DElb3a#	#DElb3b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		
C	Delivery conducted by	Doctor	#DElc1a#	#DElc1b#	0	#VALUE!	#VALUE!		
		Clinical Officer	#DElc2a#	#DElc2b#	0	#VALUE!	#VALUE!		
		Nurse	#DElc3a#	#DElc3b#	0	#VALUE!	#VALUE!		
		TBA	#DElc4a#	#DElc4b#	0	#VALUE!	#VALUE!		
		Other	#DElc5a#	#DElc5b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		
D	Appgar Score	1 minute	#DELd1a#	#DELd1b#	0	#VALUE!	#VALUE!		
		5 minutes	#DELd2a#	#DELd2b#	0	#VALUE!	#VALUE!		
		10 minutes	#DELd3a#	#DELd3b#	0	#VALUE!	#VALUE!		
		Resuscitation done	#DELd4a#	#DELd4b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		
E	Mother drugs administered at delivery	Oxytocin/Ergometrine	#MCHe1a#	#MCHe1b#	0	#VALUE!	#VALUE!		
		AZT+NVP	#MCHe2a#	#MCHe2b#	0	#VALUE!	#VALUE!		
		NVP	#MCHe3a#	#MCHe3b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		
F	Baby drugs administered at delivery	Vitamin A (50,000IU)	#MCHf1a#	#MCHf1b#	0	#VALUE!	#VALUE!		
		AZT+NVP	#MCHf2a#	#MCHf2b#	0	#VALUE!	#VALUE!		
		NVP	#MCHf3a#	#MCHf3b#	0	#VALUE!	#VALUE!		
		Vitamin K	#MCHf4a#	#MCHf4b#	0	#VALUE!	#VALUE!		
		TEO	#MCHf5a#	#MCHf5b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		
G	Care of mother and baby after birth	Breastfeed baby within 30 mins after delivery	#DELg1a#	#DELg1b#	0	#VALUE!	#VALUE!		
		Eat two extra meals during lactation	#DELg2a#	#DELg2b#	0	#VALUE!	#VALUE!		
		Give only breast milk to the baby	#DELg3a#	#DELg3b#	0	#VALUE!	#VALUE!		
		Keep the baby warm at all times	#DELg4a#	#DELg4b#	0	#VALUE!	#VALUE!		
		Sleep with the baby under an ITN	#DELg5a#	#DELg5b#	0	#VALUE!	#VALUE!		
		Go for PNC visit to the clinic	#DELg6a#	#DELg6b#	0	#VALUE!	#VALUE!		
		Teach mother how to clean cord with clean water	#DELg7a#	#DELg7b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		
H	Dangers signs after Delivery	Mother has heavy bleeding	#DELh1a#	#DELh1b#	0	#VALUE!	#VALUE!		
		Mother has fever	#DELh2a#	#DELh2b#	0	#VALUE!	#VALUE!		
		Baby stops breastfeeding well	#DELh3a#	#DELh3b#	0	#VALUE!	#VALUE!		
		Baby has difficult or fast breathing	#DELh4a#	#DELh4b#	0	#VALUE!	#VALUE!		
		Baby feels hot or unusually cold	#DELh5a#	#DELh5b#	0	#VALUE!	#VALUE!		
		Baby becomes less active	#DELh6a#	#DELh6b#	0	#VALUE!	#VALUE!		
		Baby's whole body becomes yellow	#DELh7a#	#DELh7b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		

POSTNATAL									
MATERNAL AND CHILD HEALTH REPORT									
Facility Name: #parameter.location#		From:		#parameter.startDate dd		To:		#parameter.endDate dd/	
ID	Measure	Women							
		<18	>18	Total					
A	Mother	given vitamin A	#DELa1a#	#DELa1b#	0				
		on HAART	#DELa2a#	#DELa2b#	0				
		on Cotrimoxazole	#DELa3a#	#DELa3b#	0				
		provided FP counselling	#DELa4a#	#DELa4b#	0				
		Sub-total	0	0	0				
B	Child	immunisation started	#DElb1a#	#DElb1b#	0	#VALUE!	#VALUE!		
		on ART prophylaxis	#DElb2a#	#DElb2b#	0	#VALUE!	#VALUE!		
		on Cotrimoxazole	#DElb3a#	#DElb3b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		
C	Reproductive Organs Cancer Screening	Cervix VIA	#DElc1a#	#DElc1b#	0	#VALUE!	#VALUE!		
		Cervix VILLI	#DElc2a#	#DElc2b#	0	#VALUE!	#VALUE!		
		Cervix Pap Smear	#DElc3a#	#DElc3b#	0	#VALUE!	#VALUE!		
		Breast CBE	#DElc4a#	#DElc4b#	0	#VALUE!	#VALUE!		
		Other	#DElc5a#	#DElc5b#	0	#VALUE!	#VALUE!		
		Sub-total	0	0	0	#DIV/0!	#DIV/0!		

Our model



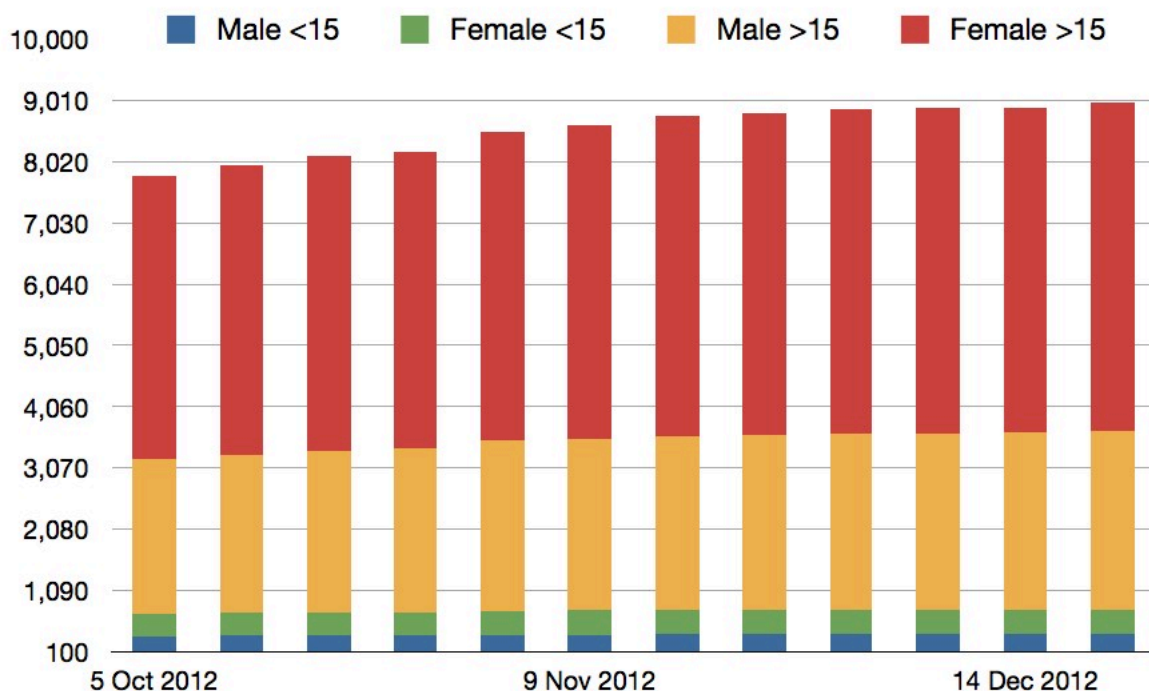
Measuring Impact

1. Process
2. Outcome

Process

1. Number of PW registered
2. Counselling, Screening, Preventive services provided
3. Care and Dangers signs in Pregnancy
4. Method and Place of Delivery
5. Who conducted the Delivery
6. Care of mother and baby after birth
7. Danger signs after Delivery

Patients registered



ANC Outcome

1. Retention in ANC (> 3 ANC visits)
2. Counselling services provided
3. Screening services provided
4. Preventive services provided
5. HIV Preventive services provided
6. Care in Pregnancy
7. Dangers signs in Pregnancy

Delivery Outcome

1. Place of Delivery
2. Care of mother and baby after birth
3. Dangers signs after Delivery

PNC Outcome

1. Retention in PNC (> 3 PNC visits)
2. Mother services provided
3. Child services provided
4. Cancer screening services provided

Our model



ALL patient identifiers removed

