







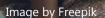
February 2024

Maternal and Newborn Health Service Delivery Redesign (SDR) Feasibility Assessment

ISSUE BRIEF

Community focus group

discussions & Klls



BACKGROUND AND APPROACH

Recent estimates show that 96% of Kenya's women receive skilled antenatal care during pregnancy and 61% deliver in a facility, but these improvements and access to care have not translated to improved maternal and newborn outcomes.

Service delivery redesign is a systems-level approach proposed by the Lancet Global Health Commission on High Quality Health Systems to improve survival and accelerate progress towards achieving the sustainable development goals; it is a strategy to rationalize the health system such that high quality services are provided at the right level, by the right provider and at the right time

Methods	Sampling/analysis approach	Data sources/Sample size	
<u>.</u>	Document review, Secondary data, primary data collection	DHIS, KMHFL, CIDP, Policy documents, Reports, CDOH, conversation with stakeholders	
Health System Mapping			
Geographic analysis	GIS mapping – WHO's AccessMod tool	Health facilities, Distribution of pregnancies, Road and road classification, Landcover, Digital elevation dataset, Water bodies, Protected	
	Census of all level 4 health facilities Purposive sampling of level 2/3 facilities based on delivery volumes Client exit interview	32 level 4 facilities29 level 3 facilities9 level 2 facilities	
Facility assessment			
	All staff (doctors, nurses/midwives and clinical officers) on duty in the maternity unit during the day of the facility assessment	 Nurses – 267 CO – 14 MO & Consultants - 6 	
Provider survey			
Community focus group	Qualitative approach purposive sampling	 16 FGDs: women with recent facility deliveries (4) women with recent home deliveries (4) grandmothers, mothers-in-law & 	

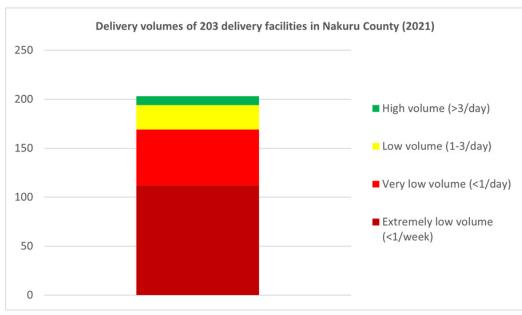
TBAs (4)

20-25 KIIs

Male partners and other male community members (4)

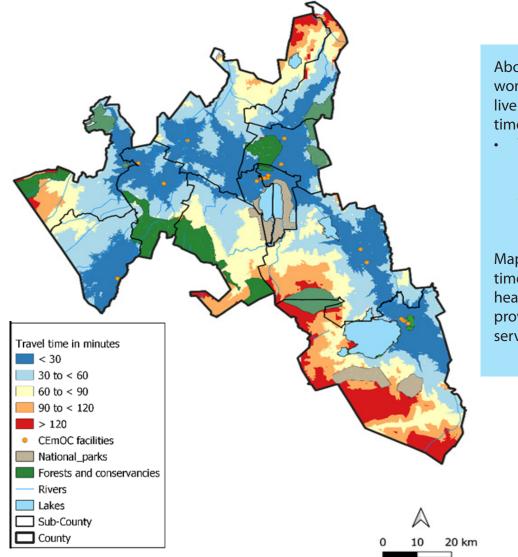
Health providers (7) & Health managers (4), Key stakeholders

KEY FINDINGS



- Majority of the deliveries happens at the hospitals (68%) – Level 4/5 facilities
- Majority of the clients obtain ANC and PNC services at primary care facilities (59% & 73% respectively)





About 78% of all pregnant women in Nakuru currently live within 1-hour travel time to a CEMOnC facility

 There is also a clear variation in term of access to health facilities across the 11 sub-Counties in Nakuru County.

Map 1, shows the travel time to any of the nearest health facility (Level 4) providing CEmOnC (n=20) services

A huge current gap in terms of infrastructure required to offer quality delivery and newborn care

- There were 572 maternity beds in the 32 level 4 facilities, which represents an excess of 202 beds according to hospital norms.
- Of the 32 facilities, 16 had functional newborn units, 25 facilities had functional operating rooms, 24 facilities provide CS services while 20 provide blood transfusion.
- Within the current context, all these services need to be offered across all 32 facilities (Table 1).

Table1: Health infrastructure capacity

	Current Available (n=32)	Current gap (All) (n=32)	Current gap (MoH) (n=15)
Total maternity beds (Including delivery beds)	572 in 32 facilities	202*	6
Facilities with functional newborn units	16 in 16 facilities	16	11
Functional operating rooms	42 in 25 facilities	7	7
Facilities providing CS services	24	8	8
Facilities providing blood transfusion	20	12	8

A huge current gap in terms of the number of HCPs required to offer quality delivery and newborn care

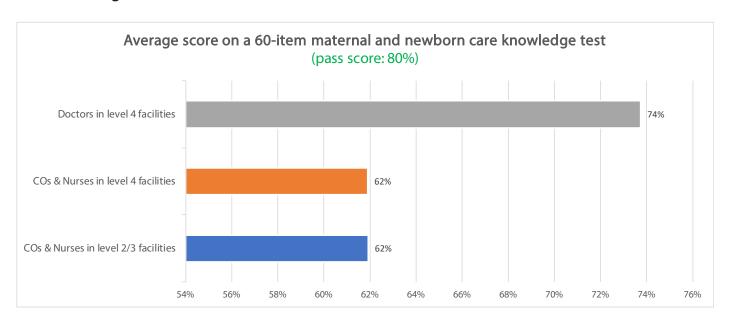
• There were 292 medical officers and obstetricians and 850 nurses and clinical officers providing delivery/newborn care in the 32 level 4 facilities (Table 2)

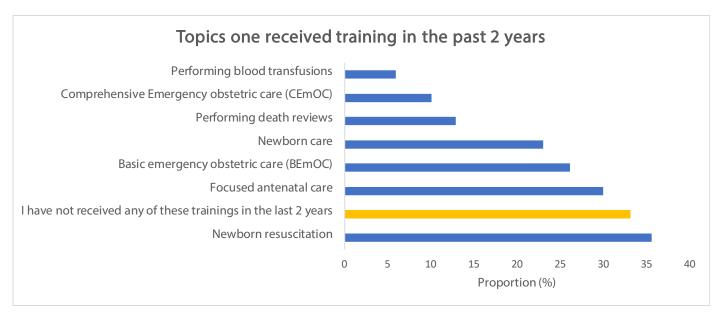
Table2: Number of Health Care Providers (HCPs)

	Current available (n=32)	Current gap (All) (n=32)	Current gap (MOH) (n=15)
Medical officers (GPs) and Obstetricians/Gynecologists	292	220	197
Clinical officers and Nurses/Midwives	850	5975	4163
Paediatrician	32 in 14 facilities	18	11



None of the HCPs groups achieved the required pass score of 80% in the maternal and newborn care knowledge assessment





IMPLICATIONS

How can Geographic accessibility to CEMOnC facility be improved?

- To maximize coverage and
- Improve accessibility for quality maternal and newborn care services in the County

What interventions are needed to improve quality of care?

- Structural capacity
- Improving process of care

How can Maternal and newborn care Competences be improved?

• Knowledge and skills of health care providers

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