Purpose

- To support the Government of Kenya and the Ministries of Public Health and Sanitation and of Medical Services (MOPHS and MOMS), under the auspices of the Second National Health Sector Strategic Plan (NHSSPII), to provide integrated effective health services in Kenya, particularly for poor women and infants

Purpose Level Indicator #2:

N of EHS targeted districts meeting minimal Emergency Obstetric Care (EmOC) coverage

- Signature contribution of the EHS programme: health care infrastructure
  - Construction and physical upgrading of health facilities
  - Major contributions of equipment
- WHO EmOC coverage indicators used/adapted for programme evaluation

EmOC Signal Functions: Provision of these services within last 3 months

Basic EmOC

- Parenteral antibiotics
- Parenteral anti-convulsants (magnesium sulphate)
- Parenteral oxytocics
- Manual removal of placenta
- Manual vacuum aspiration
- Vacuum extraction
- Neonatal resuscitation

Comprehensive EmOC

- Blood transfusion
- Caesarean delivery

EHS Adaptation of Indicators: "Readiness for Use" vs Documentation of Provision of Services

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EHS Goals

District	BEOC WHO Minimum number of facilities *RECOMMENDED*	BEOC EHS number of facilities **TARGETED** for upgrades		CEOC WHO Minimum number of facilities **RECOMMENDED**	CEOC EHS number of facilities **TARGETED** for upgrades
Homa Bay	**2**	**3**		**1**	**1**
Kisumu West	**1**	**2**		**0**	**0**
Kuria	**2**	**2**		**0**	**1**
Migori	**5**	**5**		**1**	**1**
Siaya	**4**	**5**		**1**	**1**
Suba	**2**	**3**		**0**	**1**
Total	**13**	**20**		**4**	**5**

EHS Achievements

District	**BEOC** EHS number of facilities **TARGETED** for upgrades	Number of facilities **ACHIEVING BEOC** status, BEOC-1, BEOC-2		**CEOC** EHS number of facilities **TARGETED** for upgrades	Number of facilities **ACHIEVING CEOC** status, CEOC-1, CEOC-2
Homa Bay	**3**	**1 BEOC** **2 BEOC-1**		**1**	**1 CEOC-1**
Kisumu West	**2**	**1 BEOC-2**		**0**	**1 CEOC-2**
Kuria	**2**	**1 BEOC** **1 BEOC-2**		**1**	**1 CEOC**
Migori	**5**	**4 BEOC** **1 BEOC-1**		**1**	**1 CEOC**
Siaya	**5**	**5 BEOC-2**		**1**	**1 CEOC**
Suba	**3**	**2 BEOC-1**		**1**	**2 CEOC**
Total	**20**	**7* BEOC**		**5**	**5 CEOC**

	BASELINE SIGNAL FUNCTIONS FOR ESSENTIAL OBSTETRIC CARE								
	BEOC FUNCTIONS							CEOC FUNCTIONS	
	Anti-biotics	Oxytocics	Anti-convuls	Man vac aspiration	Man removal placenta	Vacuum extraction	Resusci-tation	Blood trans-fusion	C- section
Homa Bay District Hospital									
Maguna Health Center								NA	NA
Ndiru Health Center								NA	NA
Pala Health Center								NA	NA
Kombewa District Hospital									
Manyuanda Health Center								NA	NA
Kehancha District Hospital									
Kekonga District Hospital								NA	NA
Isebania sub-District Hospital								NA	NA
Migori District Hospital									
Karungu sub-District Hospital								NA	NA
Macalder sub-District Hosp								NA	NA
Muhuru Health Center								NA	NA
Awendo sub-District Hospital								NA	NA
Siaya District Hospital									
Dienya Health Center								NA	NA
Kadenge Ratuoro HC								NA	NA
Ligega Health Center								NA	NA
Nyang'u Dispensary								NA	NA
Rwambwa Health Center								NA	NA
Suba District Hospital									
Mbita sub-District Hospital									
Magunga Health Center								NA	NA
Sena Health Center								NA	NA

	ENDLINE: SIGNAL FUNCTIONS FOR ESSENTIAL OBSTETRIC CARE								
	BEOC FUNCTIONS							CEOC FUNCTIONS	
District	Anti-biotics	Oxytocics	Anti-convuls	Man vac aspira-tion	Man removal placenta	Vacuum extrac-tion	Resusci-tation	Blood trans-fusion	C-section
Homa Bay District Hospital									
Maguna Health Center								NA	NA
Ndiru Health Center								NA	NA
Pala Health Center								NA	NA
Kombewa District Hospital									
Manyuanda Health Center								NA	NA
Kehancha District Hospital									
Kekonga District Hospital								NA	NA
Isebania sub-District Hospital								NA	NA
Migori District Hospital									
Karungu sub-District Hospital								NA	NA
Macalder sub-District Hosp								NA	NA
Muhuru Health Center								NA	NA
Rongo District Hospital								-	-
Awendo sub-District Hospital								NA	NA
Siaya District Hospital									
Dienya Health Center								NA	NA
Kadenge Ratuoro HC							?	NA	NA
Ligega Health Center								NA	NA
Nyang'u Dispensary								NA	NA
Rwambwa Health Center								NA	NA
Suba District Hospital									
Mbita sub-District Hospital									
Magunga Health Center								NA	NA
Sena Health Center								NA	NA

Termite-infested
Ndiru Health Center
prior to EHS investment

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Purpose Level Indicator #2

Recommendation: EmOC coverage

- Share lessons learnt in the planning and construction of new structures with the Ministries and other donor partners
- Continue to focus efforts on increasing use of these facilities to maximize effectiveness of this investment

Purpose Level Indicator #3:

Percent of births w/ a Skilled Attendant

- Kenya DHS 2006: Skilled attendance in Nyanza Province approximately 45%.
  - Trend data suggest skilled attendance stagnant ~ 38% from 1992-2002, then rose to 45%
  - In 2006, 9% of births in a private health facility in Nyanza Province
- EHS Target: 32% of births with a Skilled Attendant in target Districts (35% by 2011 End of Project)
- 2 data sources for Evaluation
  - HMIS data from 2005 and 2010
  - Baseline and Endline Surveys on number of births by targeted health facility

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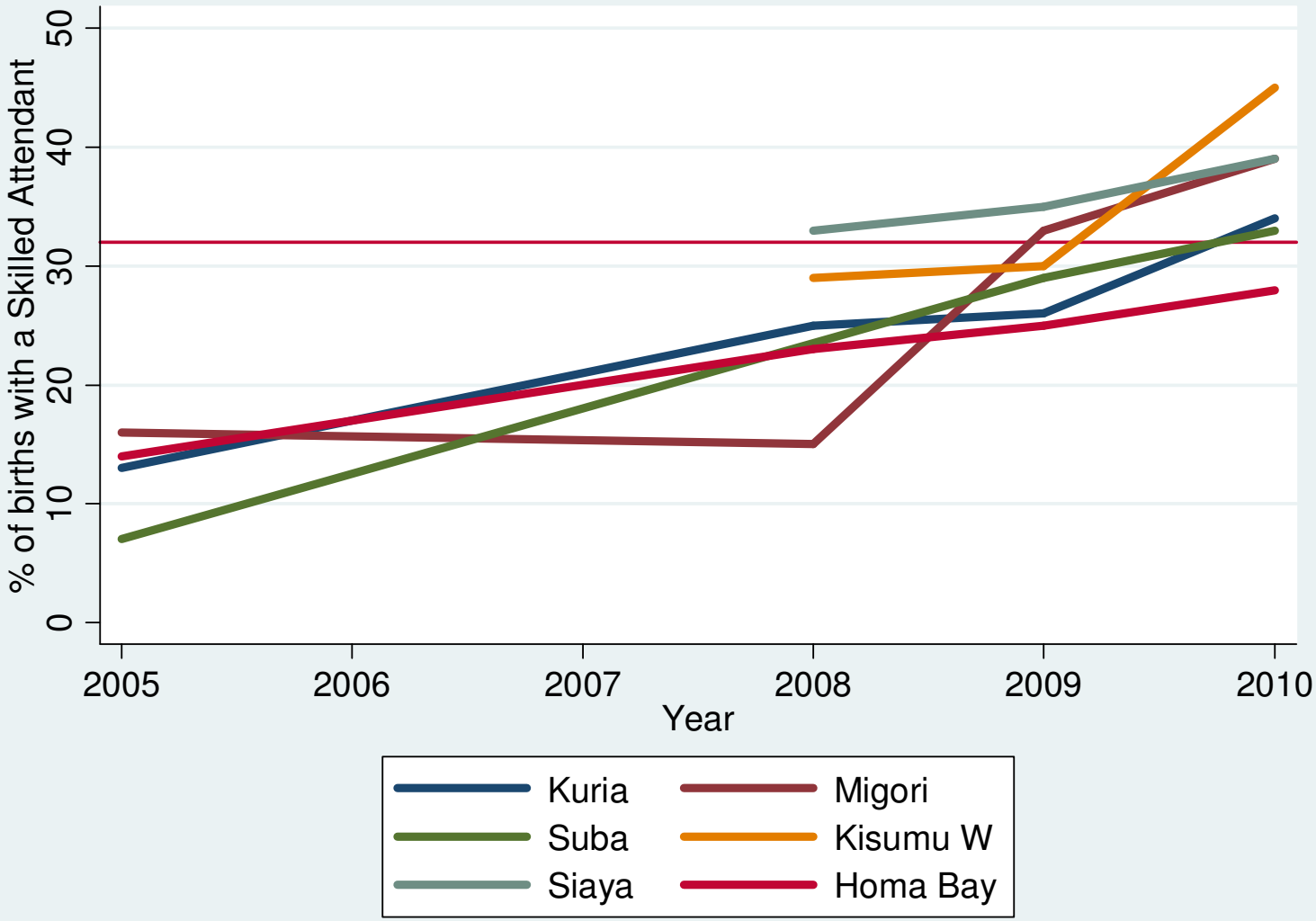
Percent of births with a skilled attendant; 6 EHS Districts



5 of 6 Districts met the target of 32% by end of 2010

3 Districts met the 2011 target of 35% by end of 2010

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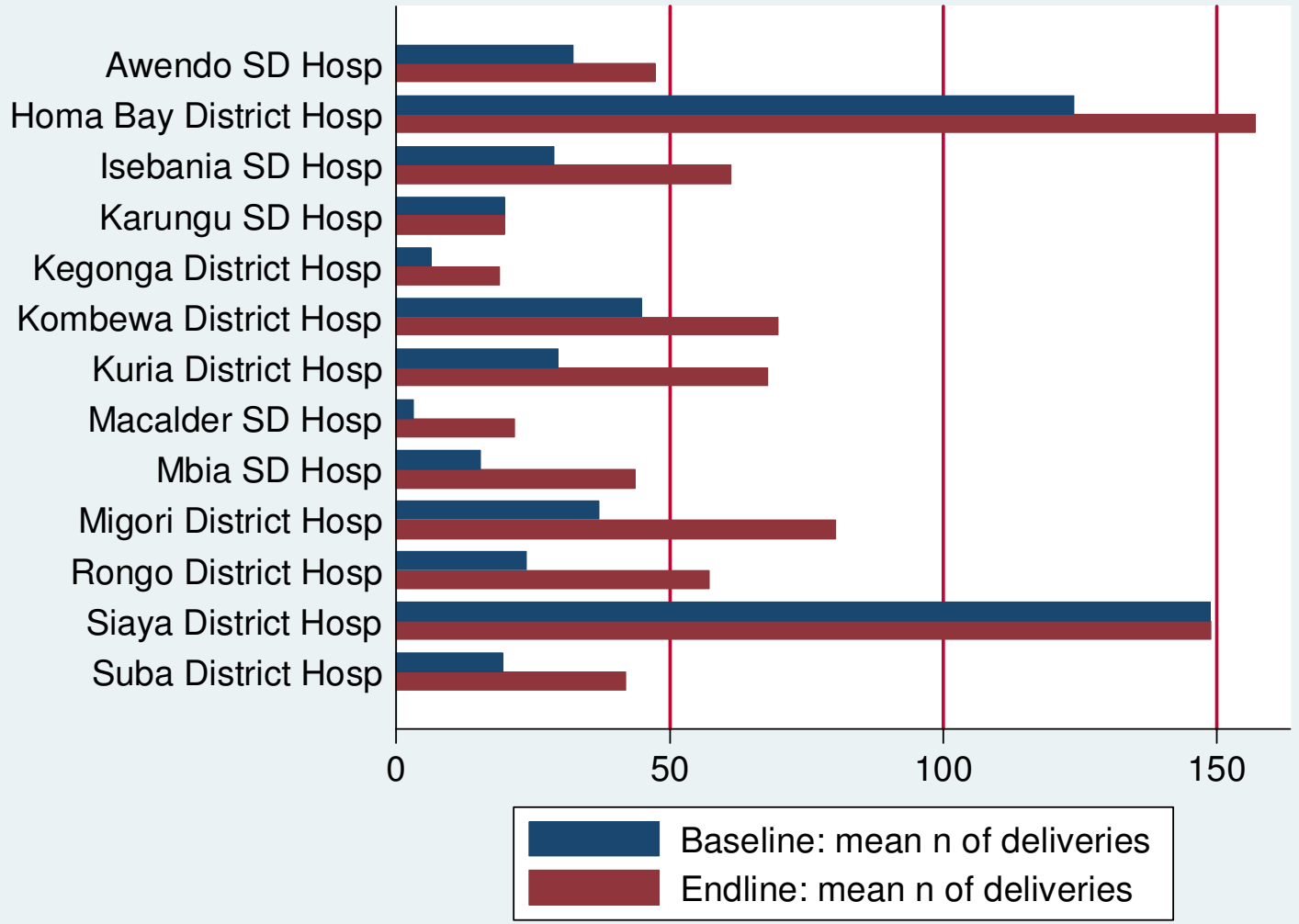
Mean number of Deliveries per Month in Targeted Hospitals



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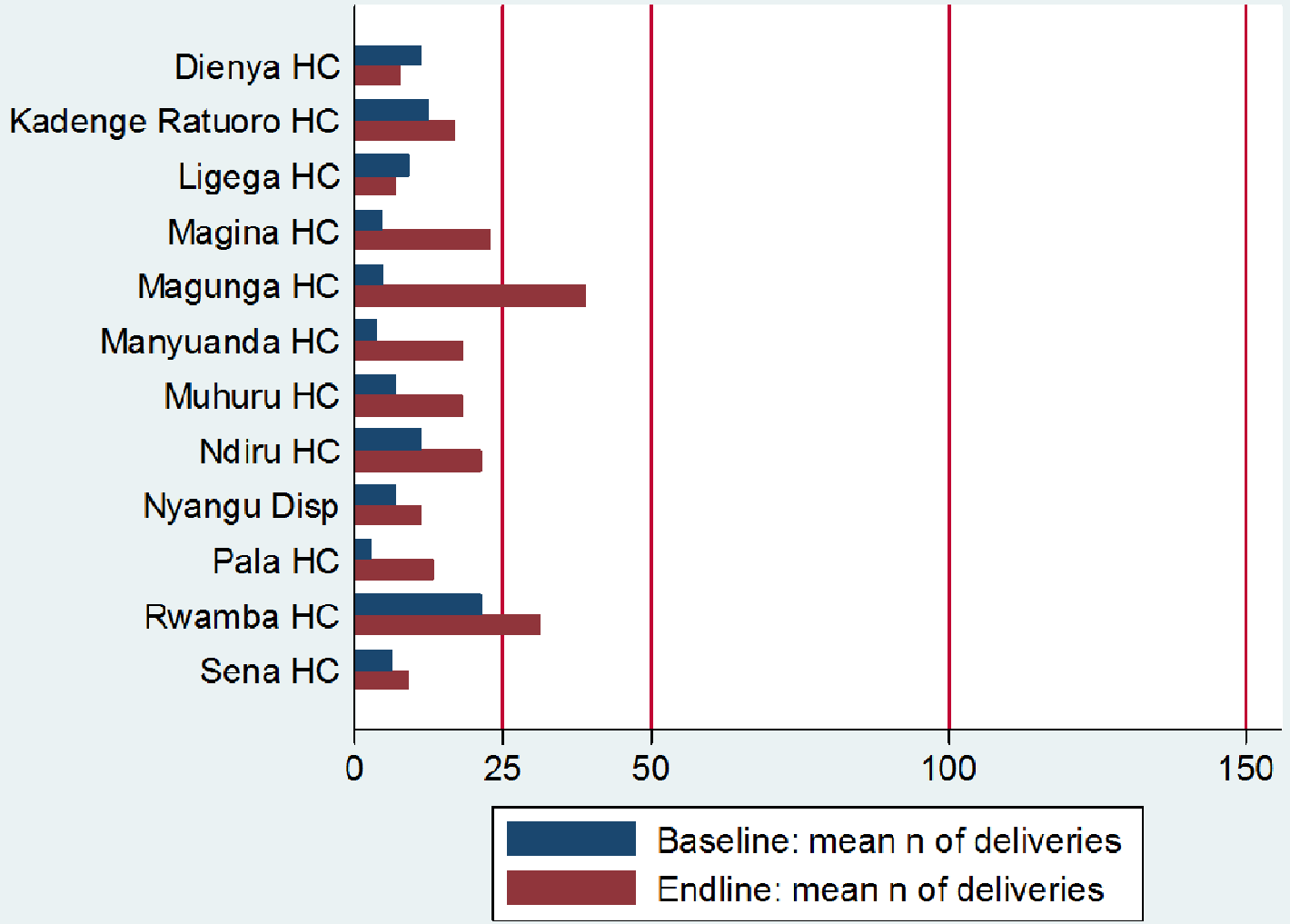
Mean number of Deliveries per Month in Health Centers



Recommendation: Skilled Attendance at Birth

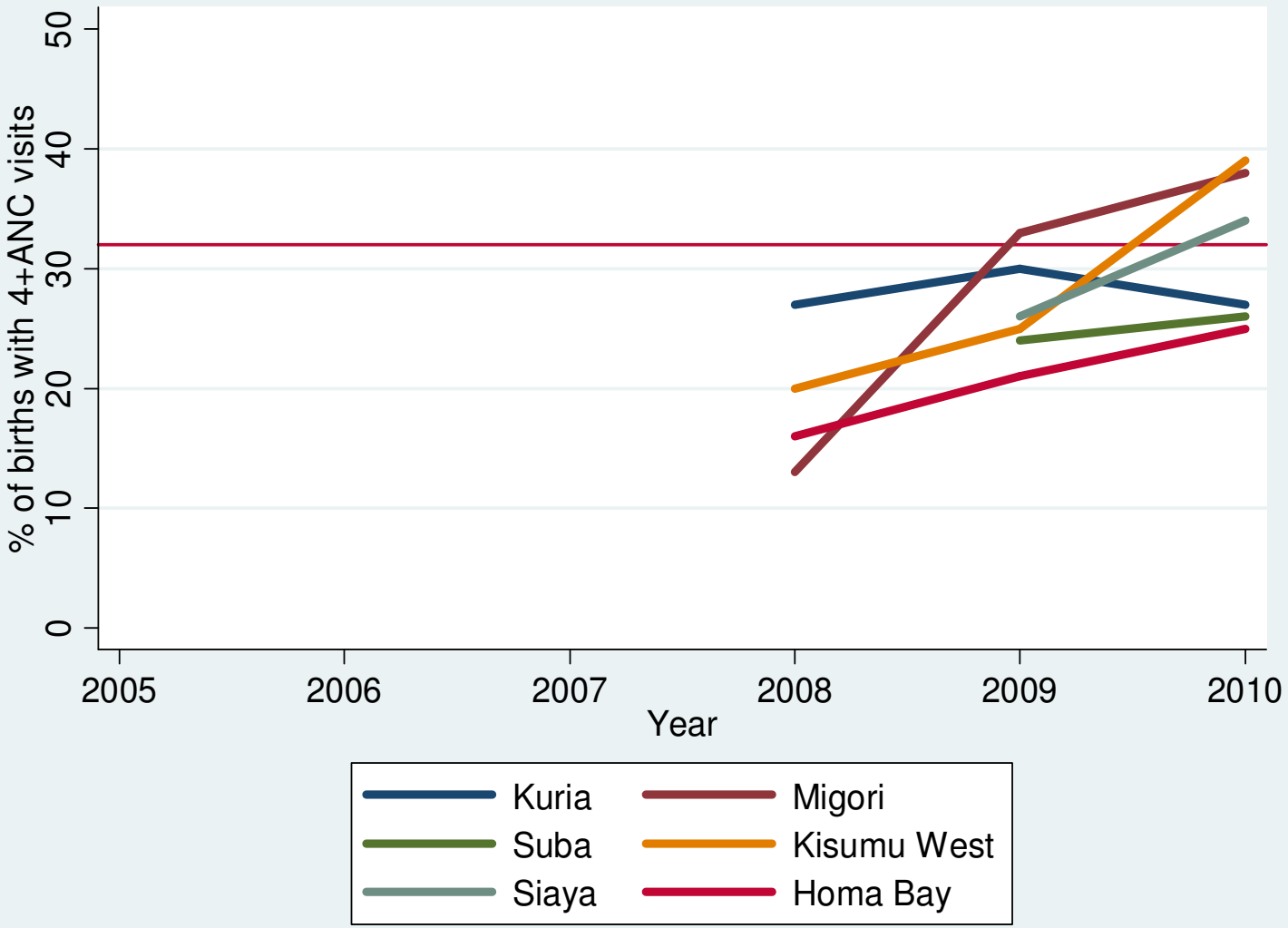
- Continue programming to support *Supply and Demand side* for skilled attendance at birth
  - Conclusions from the Value For Money assessment are required to determine if there are some supply or demand side activities that are less efficient than others.

Purpose Level Indicator #4:

Percent of births w/ 4+ Antenatal Care visits

- EHS Goal: 32% of births with 4+ ANC visits
- Data Source: HMIS 2008 and 2010
  - HMIS only available starting in 2008

Percent of births with 4+ Antenatal Care visits; 6 EHS Districts



3 of 6 Districts met the target of 32% by end of 2010

2 of 6 Districts met the 2011 target of 35% by end of 2010

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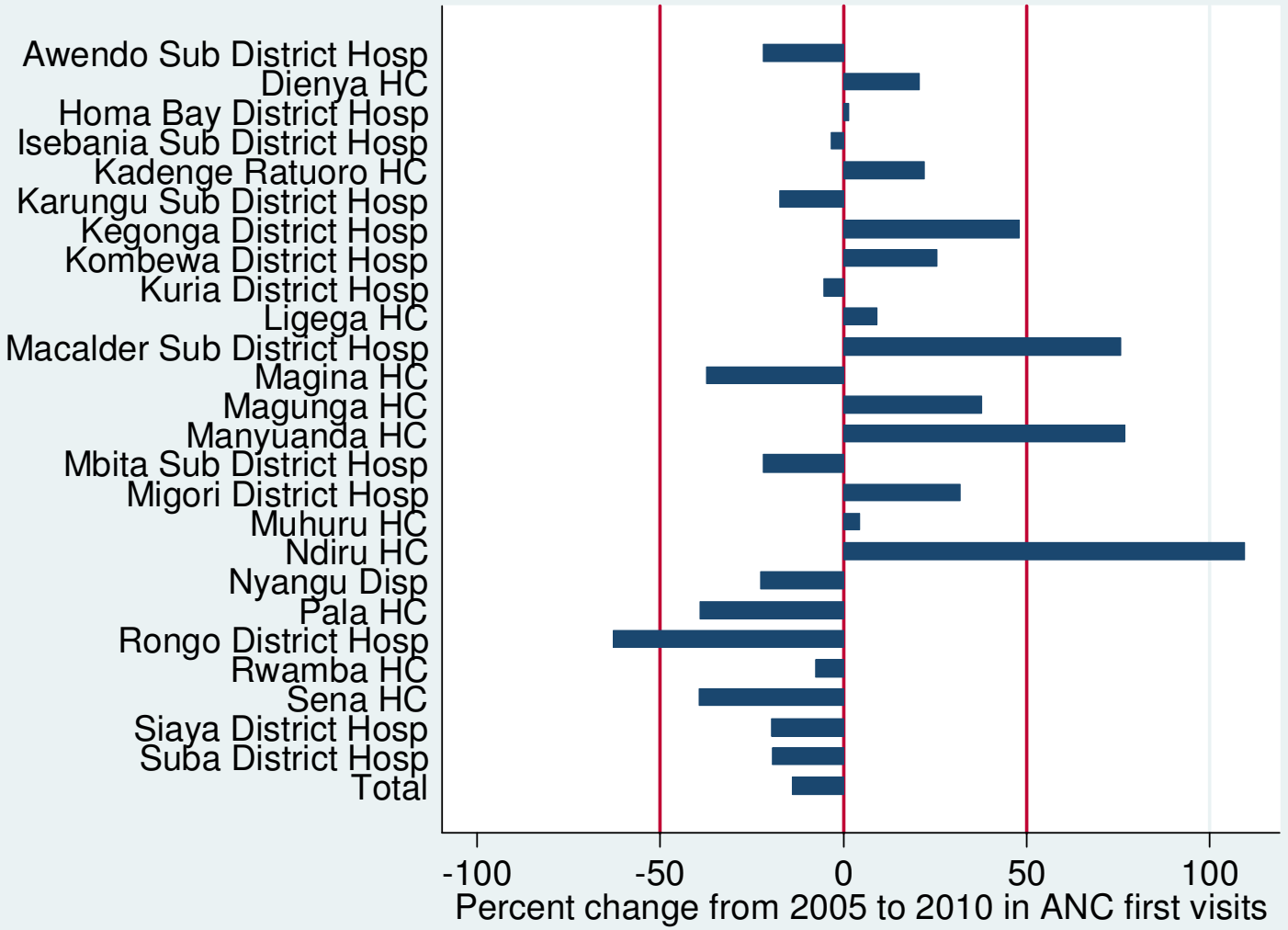
Percent of births with 1st ANC visit



Overall:
14% decrease in % of births with a 1st ANC visit

Great variation across Districts in 1st ANC visits

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Recommendation: ANC4+ visits

- Closely monitor health facilities showing decreases in first ANC visits in the months following the end of EHS-supported activities
- Continue programming to support Supply and Demand side for skilled attendance at birth