

APPENDIX A.

Questionnaire on Modifiable and Non-Modifiable Health System Factors Related to PMTCT

CATEGORIES FOR VERIFICATION							SOURCE*
1	Province/District and HF Code						I
2	Date	____/____/____ (DD/MM/YYYY)					V
3	Health facility characteristics (CIRCLE ONE)	a	Rural (0)/ Urban (1) / Peri-Urban (2)				V
		b	Teaching/Referral Hospitals (0)/ Provincial Hospitals (1)/ District/Rural Hospital (2)/ Urban Health Center (3)/ Rural Health Center (4)/ Health Post (5)				I
		c	Public (0)/ Private (1)/Faith-based/NGO (2)				I
		d	NGO support: None (0)/ One (1)/ Multiple (2)				I
4	Year of pMTCT initiation	____/____/____ (DD/MM/YYYY)				I/HIS	
5	Population served by health facility (catchment area)					I	
6	Distance to the reference area laboratory (km)--for CD4					I	
7	How many 1st ANC visits in the last 6 months?					HIS	
8	How many institutional deliveries in the last 6 months?					HIS	
9	How many total post-partum care visits in the last 6 months? (including 48 hours to 10 week check-ups)					Maternity & postnatal registries	
10	How many modern family planning methods were delivered in the last 6 months?	Types	Number delivered in 2012				
		Pill cycles					R
		Injectibles					R
		Implants					R
		IUD					R
Human Resources							
11	Number of nurses working in MCH services in this facility						
12	Number of health workers by level and training area working in pMTCT (ANC, maternity, post-partum care, outpatient care)		Category	Number	List primary sector	Works in more than 1 sector?	
		a	MD/Non-physician clinician				HR DIST
		b	Superior level nurse				HR DIST
		c	Mid-level nurse				HR DIST
		d	Basic-level nurse				HR DIST
		e	Midwife				HR DIST
		f	Social worker				HR DIST
		g	Other				HR DIST
		h	Other				HR DIST
		i	Other				HR DIST
j	Custodial staff				HR DIST		
13	How many nurses/midwives joined your facility in the last year? (include both new cadres and replacements)						I
14	Are there community health workers/volunteers who carry out active tracing for women and children lost to follow-up?			Yes	No		
							I
15	If yes, describe the number and function of these community health workers/activists			Themes covered			
				Adherence			I
				Child nutrition			I
				Dual protection			I
16	Are there support groups for HIV infected women in your facility?			Yes	No		
							I

System for distributing HIV testing supplies (gloves, lancets, capillary tubes, Determine test strips)					
17	In the Pharmacy, at what interval do you receive requisitions from the MCH sectors of your health facility? (verify in the requisition book) - <u>CIRCLE ONE OPTION</u>	Weekly (0), bi-weekly (1), monthly (2), quarterly (3), without schedule (4)			I
18	In the Pharmacy, at what interval do you deliver the consumables to the MCH sectors of your health facility? (verify in the received materials forms)- <u>CIRCLE ONE OPTION</u>	Weekly (0), bi-weekly (1), monthly (2), quarterly (3),without schedule (4)			I
19	In the PHARMACY, have you had stock ruptures in the last 3 months? If yes, how many days? (verify in the registries if there are data gaps)		Yes	No	Nº de días
		Gloves			I/V/R
		Lancets			I/V/R
		Capillary tubes			I/V/R
		Determine			I/V/R
20	In ANC, have you had stock ruptures in the last 3 months? If yes, how many days? (verify in the registries if there are data gaps)	Gloves			I/V/R
		Lancets			I/V/R
		Capillary tubes			I/V/R
		Determine			I/V/R
		System for distributing registries and forms (MCH registries, ANC forms)			
21	In ANC, what is the periodicity for requisitioning registries and forms, including ANC, Maternity, Post natal, pre ART and ART registries? (verify in the requisition forms)- <u>CIRCLE ONE OPTION</u>	Weekly (0), bi-weekly (1), monthly (2), quarterly (3), without schedule (4)			I/V/R
22	In the ANC, what is the periodicity for receiving these materials, including ANC, Maternity, Post natal, pre ART and ART registries? (verify in the received materials forms)- <u>CIRCLE ONE OPTION</u>	Weekly (0), bi-weekly (1), monthly (2), quarterly (3), without schedule (4)			I/V/R
23	In ANC, Maternity, Post Partum care, and At-Risk care, have there been stock outages of registry books during the last 3 months? (Verify the registry books for data gaps)	Yes		No	
					I/V/R
24	In ANC, have there been stock outages of daily or monthly reporting forms during the last 3 months?				I/V
25	Verify if there are ANC forms/MCH booklets available				I/V
Distribution system for medicines (NVP, 3TC, AZT, cART)					
26	At the pharmacy what is the periodicity for receiving medicine requisitions from the MCH sectors? (Verify in the requisition books)- <u>CIRCLE ONE OPTION</u>	Weekly (0), bi-weekly (1), monthly (2), quarterly (3), without schedule (4)			I/V/R
27	At the pharmacy, what is the periodicity of sending on these medicines to the MCH services? (Verify in the received materials forms) - <u>CIRCLE ONE OPTION</u>	Weekly (0), bi-weekly (1), monthly (2), quarterly (3), without schedule (4)			I/V/R
28	At ANC have there been stock outs of pMTCT medicines? (Verify in the registry book for data gaps)		Yes	No	
		NVP			I/V/R
		3TC			
		AZT			I/V/R
		cART			I/V/R
29	In ANC, how many days have there been of stock rupture of pMTCT medicines over the past 3 months? (Verify in the registry books)	NVP			I/V/R
		3TC			
		AZT			I/V/R
		cART			I/V/R
Health Information System					
30	Compare data registries for different MCH components (daily and monthly registries: ANC, maternity, post-partum care, family planning, at risk child visits? Compare for concordance in the past 30 days (last available completed month)	Daily Registry		Monthly Report	
		ANC	# 1st ANC visits		I/V
		Maternity	# institutional births		I/V

	Postpartum	# post partum visits				I/V
	Family Planning	# modern family planning methods distributed				I/V
	At-risk child visit	# at risk child visits				I/V
31	Is there an improvised registry in place?					I/V
32	If yes, what purpose does it serve (what data does it capture)?					I
Service Management						
33	Are there monthly facility level management meetings?					I/V
34	Are there regular linkages with the community through outreach service provision, campaigns, education sessions, or community meetings? (at least quarterly)?					I
35	Verify meeting notes from previous management meetings and/or participate in a meeting.	Themes discussed		Yes	No	Duration of discussion (minutes)
		Analysis of supply levels				I/V
		Requisitions made				I/V
		Data review				I/V
		Other				I/V
Service Organization						
36	Are there linkages between the sectors that carry out pMTCT activities (ANC, Maternity, Post-partum care, Family Planning, At-risk child care) and other sectors (sharing of codes of HIV-infected pregnant women)?			Yes	No	# Of days
	Outpatient care					I
	a	Are mothers referred systematically to outpatient services after delivery?				
	b	Are babies systematically referred after PCR or rapid test diagnosis in at-risk care?				
	Laboratory					I
	c	Are CBCs done at this facility?				I/V
	d	Are Biochemistry panels done at this facility?				I/V
	e	Are CD4 analyses done at this facility?				I/V
	f	Are PIMA CD4 analyses done at this facility?				I/V
	g	Are blood draws done for HIV-infected women the same day they are identified?				I/V
	h	Is there a functioning refrigerator at this health facility?				
	i	Is there a functioning air conditioner at the health facility?				
	j	How many days a week are blood draws done for CD4 analysis?				I
	k	How many days over the past 3 months was there no transport for CBC or Biochemistry panels?				I
	l	How many days over the past 3 months was there no transport for CD4 samples?				I
	Pharmacy					
	m	Is pMTCT prophylaxis distributed in ANC/at the maternity?				I/V
	n	Is ART distributed at the pharmacy?				I/V
					Sector name	
37	What is the flow of HIV+ pregnant women at this health facility to receive the following services? Please list where these services are carried out (ANC, Mat, Pos-Partum, At-risk child consult)	Counseling				I
		HIV testing				I
		Patient chart initiation				I
		CD4 blood draw				I
		Clinical staging				I
		cART initiation				I
		Family planning				I
	Infant HIV diagnosis				I	
38	Service OBSERVATION (Observe at least 10 consults to calculate the mean duration of each consult in minutes)--Please sit outside the office	Average time of 1st ANC visit				V
		Average time of at-risk child visit				V
		Average time of post-partum care visit				V

	and annotate time. DO NOT sit inside the consult room.	Wait time between PCR blood draw and receipt of results at the facility		V
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*KEY: V:visit/direct observation, I: interview with health facility/reproductive health service manager, HR DIST: Human resources at the district level, R: registers, HIS: routine health information system,cART: combination antiretroviral therapy