#### **S1: Health Facility Readiness Checklist**

#### **Checklist: Assessing health facility readiness**

# **Health facility information** Name of Health Facility Type of Health Facility Number of health care workers responsible for malaria services Province/Region District Name of Head of Health Facility and Qualification Signature of Head of Health Facility Date of Visit (DD/MM/YYYY) Supervisor's Name Supervisor's Cadre □ Clinical □ Lab □ Other Supervisor's Gender ☐ Female ☐ Male Supervisor's Signature:

	N°	Critical questions	Response Options
	1	Does facility offer ANC services?	□ Yes □ No
	2	Does facility distribute LLINs to children under 5 years of age?	□ Yes □ No
Information	3	Does facility offer laboratory services?	□ Yes □ No
(non-scored	4	Does facility offer diazepam?	□ Yes □ No
questions)	5	Does facility offer blood transfusion?	□ Yes □ No
	6	Is there at least 1 CHW attached to this facility?	□ Yes □ No
	7	Does facility offer case management of severe malaria services?	□ Yes □ No
	Ar	e these medications available today?	
	8	Paracetamol	□ Yes □ No
	9	If the answer to #1 is Yes: Sulfadoxine-Pyrimethamine	□ Yes □ No
	10	ACTs for children under 5 years	□ Yes □ No
	11	ACTs for children 5-7 years	□ Yes □ No
	12	ACTs for children 7-13 years	□ Yes □ No
Availability of	13	ACTs for children over 13 and adults	□ Yes □ No
medications	14	Injectable Quinine	□ Yes □ No
	15	Compressed Quinine	□ Yes □ No
	16	Injectable Artesunate and/or IM Injectable Artemether	□ Yes □ No
	17	Artesunate Rectocaps	□ Yes □ No
	18	If the answer to #1 is Yes: Iron Tablets	□ Yes □ No
	19	If the answer to #1 is Yes: 0.4 mg Folic Acid	□ Yes □ No

20	If the answer to #4 is Yes: Diazepam	□ Yes □ No
21	5% Glucose	□ Yes □ No
22	10% Glucose	□ Yes □ No
23	30% Glucose	□ Yes □ No
24	Lactate Ringer	□ Yes □ No
25	Saline Solution	□ Yes □ No

Availability of	N°	Critical Questions	Response Options
Commodities		Are these commodities available today?	
	26	Oxygen	□ Yes □ No
	27	If the answer to #1 is Yes: Drinking water at the site of ANC	□ Yes □ No
		If the answer to #1 is Yes: Disposable glasses available (or consistent cleaning) for the DOT strategy of the SP during ANC	□ Yes □ No
	29	Are examination gloves available?	□ Yes □ No
	30	Soap or hand sanitizer gel	□ Yes □ No
	31	Sharps containers	□ Yes □ No
	32	Thermometer	□ Yes □ No
	33	Personal scale	□ Yes □ No
	34	Syringes	□ Yes □ No
	35	Alcohol	□ Yes □ No
	36	Cotton	□ Yes □ No
	37	Malaria RDTs	□ Yes □ No
	38	If the answer to #1 is Yes: LLINs	□ Yes □ No
	39	If the answer to #3 is Yes: Reagents for determining blood groups	□ Yes □ No
	40	If the answer to #5 is Yes: Blood for transfusion	□ Yes □ No
Availability of		Are these documents available today?	
Availability 01	41	Records of curative consultations	□ Yes □ No

Documentation	42	If the answer to #1 is Yes: Records of prenatal consultations		
	43	If the answer to #2 is Yes: Records of the distribution of LLINs to children under 5 years of age	□ Yes □ No	
	44	If the answer to #1 is Yes: Records of the distribution of LLINs to pregnant women	□ Yes □ No	
	45	HMIS reports	□ Yes □ No	
	46	If the answer to #6 is Yes:  Monthly CHW reports	□ Yes □ No	
	47	Manual for filling out the data collection media	□ Yes □ No	
	Are	these materials (guides, job aides, etc) available today?		
	48	If the answer to #1 is Yes:  Malaria and pregnancy guide or tools/support on ANC	□ Yes □ No	
	49	If the answer to #1 is Yes: ANC guidelines	□ Yes □ No	
Availability of	50	National guidelines for the management of malaria	□ Yes □ No	
Materials	sheet		□ Yes □ No	
	52	If the answer to #7 is Yes:  Management of severe malaria fact sheet	□ Yes □ No	
	53	Management of malaria in pregnancy fact sheet	□ Yes □ No	
	54	Preparation of artesunate injection PEC fact sheet	□ Yes □ No	
	55	If the answer to #1 is Yes: LLIN distribution guidelines	□ Yes □ No	
	N°	Critical Question	Response Options	
	56	Physicians - Male		
Availability of		Physicians - Female		
Trained Human	58	Midwives - Male		
Resources	59	Midwives - Female		
	60	Nurses - Male		
	61	Nurses - Female		

62	Pharmacists/PGP - Male	
63	Pharmacists/PGP - Female	
	Does the health facility have at least 50% of staff trained to manage malaria cases using the latest national guidelines?	□ Yes □ No

Availability of quality data	N°	Performance of the facility visited	Scores
quanty data	1		Amount reported (R)
		If the answer to #1 is Yes: Number of pregnant women received in ANC 1	Amount found in the register (F)
			Difference (F-R) = 0?
	2	If the answer to #1 is Yes:	Amount reported (R)
		Number of pregnant women who received IPT 3	Amount found in the register (F)
		women who received in 1.3	Difference (F-R) = 0?
	5	suspected malaria cases registered in the health facility  Number of suspected	Amount reported (R)
			Amount found in the register (F)
			Difference (F-R) = 0?
			Amount reported (R)
		or thick smear test Luis B: If PMP includes TPR, we will	Amount found in the register (F)
		need to capture N of tests +  Number of uncomplicated malaria cases tested by RDT or thick smear test	Difference (F-R) = 0?
			Amount reported (R)
			Amount found in the register (F)
			Difference (F-R) = 0?
		Number of confirmed uncomplicated malaria	Amount reported (R)

6	cases treated with ACTs	Amount found in the register (F)	
		Difference (F-R) = 0?	
7	Number of ACT	Amount reported (R)	
	treatments consumed (taken from the health	A mount found in the register (F)	
	facility's pharmacy)	Difference (F-R) = 0?	

#### **Immediate Corrective Actions**

# Briefly describe key activities conducted during Supportive Supervision visit and number of staff reached

	Action Taken	# of Staff Reached
1	<b>Category:</b> □ Lecture; □ Demonstration; □ Mentoring/Coaching; □ Document/SOP development; □ Other	
'	Describe:	
2	<b>Category:</b> □ Lecture; □ Demonstration; □ Mentoring/Coaching; □ Document/SOP development; □ Other	
۷	Describe:	
3	<b>Category:</b> □ Lecture; □ Demonstration; □ Mentoring/Coaching; □ Document/SOP development; □ Other	
3	Describe:	
	<b>Category:</b> □ Lecture; □ Demonstration; □ Mentoring/Coaching; □ Document/SOP development; □ Other	
4	Describe:	
5	<b>Category:</b> □ Lecture; □ Demonstration; □ Mentoring/Coaching; □ Document/SOP development; □ Other	
J	Describe:	
6	Category: ☐ Lecture; ☐ Demonstration; ☐ Mentoring/Coaching;	
	☐ Document/SOP development; ☐ Other  Describe:	
Total	Total number of staff reached across all activities	

(Note: there should be no double-counting across categories for this	
total)	

# **Supervisor Feedback**

	Observation 1	Observation 2	Observation 3
Supervisor: Did you provide feedback to staff on issues identified during observation for each aspect: availability of medications, availability of commodities, availability of documentation, availability of materials, availability of trained human resources, and availability of quality data?	□ Yes □ No	□ Yes □ No	□ Yes □ No
If "no," why not? (Write the reason number in the box for each observation) 1. Not enough time 2. Other (explain)	Reason#: Explain:	Reason#: Explain:	Reason#: Explain:
Based on your overall observation, how would you rate this HF in terms of readiness to deliver malaria services?	<ul><li>☐ Unsatisfactory</li><li>☐ Fair</li><li>☐ Satisfactory</li><li>☐ Excellent</li></ul>		

#### **Additional comments on the observations**

Observation 1			
Observation 2			

bservation 3		

#### **Recommendation and Action Plan**

- If you found more than one gap (questions for which there is missing, partially complete, or incomplete answer or failure to follow national protocol) identified during the last HF visit, or if you have identified more than one during the current visit, make a copy of this page for each gap
- Leave a copy of the supervisor feedback and action plan at the HF.

Date of HF visit:			Number of staf	f supervise	ed:	M: F:	
Wha	t were the	e biggest gaps(s)	identified durin	g the <i>last</i>	HF vis	sit?	
Briefly describe gap(	s):		Briefly describe	the			
			action plan laid	out in			
			the previous vis	sit:			
			1				
Briefly d	escribe th	e status of the a	ction plan laid o	ut in the p	reviou	us visit:	
☐ Not address	sed	□Partially	addressed	□ Cc	omple	tely address	ed
If addressed, explain	the actio	ns taken. If parti	ally or not addre	ssed, what	t is the	e new actior	n plan
to address the gap(s	):	•	•				•
3. p. (-	,						

What were the biggest gap(s) identified today?

Briefly describe gap(s):			Was immediate feedback provided?				
	If yes, ho	w was the feedback	provided?				
ПС	☐ Guideline Review ☐ Demonstration ☐ SOP Review ☐ Clinical mentoring ☐ Lecture ☐ Other (specify):						
Identified gap	Recommended action	Responsible person(s)	Timeline	Update/Status			
Supervisor comments:							

# **S2: Outpatient Department Checklist**

### **Checklist: Assessing clinical management of clients suspected of having malaria**

### **Health facility information**

Name of Health Facility	
Type of Health Facility	
Number of health care workers responsible for malaria services	
Province/Region	
District	
Name of Head of Health Facility and Qualification	
Signature of Head of Health Facility	
Date of Visit (DD/MM/YYYY)	
Supervisor's Name	
Supervisor's Cadre	□ Clinical □ Lab □ Other
Supervisor's Gender	☐ Female ☐ Male
Supervisor's Signature:	
Supervisor's Phone Number:	

	N°	Critical Questions	Response Options
	1	Did the provider greet the client at the entrance of the consultation office?	☐ Yes ☐ No
Decembion	2	Did the provider invite the client to sit down?	☐ Yes ☐ No
Reception	3	Did the provider introduce themself to the client?	☐ Yes ☐ No
	4	Did the provider treat the client with kindness and respect (Listening with attention, showing interest to the client as a person) throughout the visit?	☐ Yes ☐ No
	5	Did the provider ask the client's age?	☐ Yes ☐ No
	6	If the answer to #5 is Yes:  Is the client over 12 years old?	☐ Yes ☐ No
	7	If the answer to #6 is Yes:  Is the client a woman of childbearing age?	☐ Yes ☐ No
	8	Did the provider ask where the client lived?	☐ Yes ☐ No
Collecting historical	9	Did the provider look for a sign of fever or ask about a history of fever over the two previous days?	☐ Yes ☐ No
client information	10	Did the provider ask about the symptoms of uncomplicated malaria (fever, chills, sweating, headache, aches, nausea, lack of appetite, etc.)?	☐ Yes ☐ No
	11	Did the provider ask questions looking for signs of severe malaria in the client (convulsions, agitation, confusion, prostration, difficulty breathing, spontaneous bleeding, dark urine, etc.)?	☐ Yes ☐ No
	12	If the answer to #7 is Yes:  If a woman of childbearing age, has the health provider asked about pregnancy status or DDR?	☐ Yes ☐ No ☐ Not child-
		provider daked about pregnancy status of DDN:	bearing age

		13	Did the provider ask if the client has taken any	☐ Yes ☐ No
			malaria treatment in the last two weeks?	
		14	Did the health provider ask about any drugs already taken by the client?	☐ Yes ☐ No
				☐ Yes
	15	D	id the provider take the temperature?	☐ Done at consulting
				□ No
				□ Yes
	16	D	id the provider measure the client's weight?	☐ Done at consulting
Diagnosis				□ No
Diagnosis		lt.	the answer to #6 is Yes:	☐ Yes
	17			☐ Done at consulting
			id the provider take the client's blood pressure?	□ No
				□ Yes
	18	8 Di	Did the provider take the client's pulse?	☐ Done at consulting
				□ No
Diagnosis				☐ Yes
	19	D	id the provider take the client's respiratory rate?	☐ Done at consulting
				□ No
	20		id the provider look for signs of anemia in the client conjunctivae, palms)?	☐ Yes ☐ No
	21		id the provider look for signs of other serious nesses (eyes, neck, etc.)?	☐ Yes ☐ No
	22	e: p	id the provider perform a complete physical xamination of the client (eyes, conjunctivae, fundus, alms, ears, throat, neck, heart, lungs, abdomen, and eflex)?	□ Yes □ No
	23	D	id the provider request a biological test to confirm	☐ Yes ☐ No

malaria?

	24	If the answer to #23 is Yes:  What was the result of the test?  If the answer to #24 is Positive:	☐ Positive ☐ Negative ☐ Inconclusive ☐ Uncomplicated Malaria
Classification	25	What type of malaria was categorized by the provider?	☐ Severe Malaria☐ No classification☐
of malaria	26	If the answer to #24 is Positive:  Does the supervisor agree with the provider's malaria classification?	☐ Yes ☐ No
	27	If the answer to #23 is Yes:  Did the provider explain the meaning of the result (positive or negative) of the test to the client and/or family and detail the appropriate course of action?	□ Yes □ No
Adherence to negative test result	28	If the answer to #24 is Negative:  Has the provider refrained from prescribing or administering an antimalarial drug to the client based on the NEGATIVE result of the malaria laboratory test (RDT or microscopy)?	□ Yes □ No
	29	If the answer to #25 is Uncomplicated Malaria:  Is the client pregnant?	☐ Yes ☐ No
Treatment of uncomplicated malaria	30	If the answer to #29 is No:  Did the provider use a recommended ACT to treat uncomplicated malaria in the client as directed by national guidelines?	□ Yes □ No
	31	If the answer to #29 is Yes:  If the client is pregnant, what is the gestational age?	☐ 1 <sup>st</sup> trimester ☐ 2 <sup>nd</sup> trimester ☐ 3 <sup>rd</sup> trimester

	32	If the answer to #31 is 2 <sup>nd</sup> or 3 <sup>rd</sup> trimester.  Did the provider use an ACT recommended to treat uncomplicated malaria in clients including pregnant women in the 2nd and 3rd trimester of pregnancy as directed?	☐ Yes ☐ No
Treatment of uncomplicated malaria	33	If the answer to #32 is 1st trimester.  If the client is a pregnant woman in the first trimester of pregnancy, has the provider used quinine tablets to treat uncomplicated malaria according to national guidelines?	□ Yes □ No
	34	If the answer to #25 is Uncomplicated Malaria:  Did the provider use the correct dosage to treat uncomplicated malaria?	□ Yes □ No
	35	If the answer to #25 is Uncomplicated Malaria:  Is the dosage and duration of treatment explained to the client?	☐ Yes ☐ No
	36	If the answer to #35 is Yes:  Did the provider verify that the client understood the explanations given?	□ Yes □ No
	37	If the answer to #25 is Uncomplicated Malaria:  Did the provider inform the client of the potential undesirable effects of the drug used?	□ Yes □ No
	38	If the answer to #25 is Uncomplicated Malaria:  Did the provider invite the client back if he/she has complications?	□ Yes □ No
	39	If the answer to #25 is Uncomplicated Malaria:  Did the provider give the client a follow-up appointment?	□ Yes □ No

# **In Case of Transfer**

Pre-	40	If the answer to #25 is Severe Malaria:	□ Yes □ No
referral	10	Did the provider administer a pre-transfer treatment	2 res 2 re

treatment		to the client?	
for severe malaria		If the answer to #40 is Yes:	☐ Artesunate
IIIaiai ia	41	Which pre-transfer treatment did the provider administer to the client?	☐ Artemether Injection
		If the answer to #41 is Artesunate:	☐ Yes ☐ No
	42	If artesunate was used for the pre-transfer treatment, did the provider calculate the correct amount based on the client's weight?	
		If the answer to #41 is Artesunate:	☐ Yes ☐ No
	43 - 46	Did the provider follow the procedure for the preparation of the artesunate injection? (i- Removed and injected the entire contents (1ml) of the sodium bicarbonate ampoule into the artesunate powder vial; ii- shook gently until dissolved and a clear reconstituted solution was obtained; iii- removed and injected the required volume of 5% saline or dextrose solution (depending on IV or IM) into the reconstituted artesunate solution; iv- removed the dose (in ml) required for IV or IM administration from the vial(s) prepared beforehand and injected the solution).	
		If the answer to #41 is Artesunate:	☐ Yes ☐ No
	47	Did the provider administer a weight-appropriate dose of artesunate based on IV or IM route?	
		If the answer to #41 is Artemether Injection:	
	48	If artemether injection is used for pre-transfer treatment, is the dosage as directed?	□ Yes □ No
		If the answer to #25 is Severe Malaria:	☐ Yes ☐ No
	49	Did the provider provide a reference note to the client's parents?	
Conclusion of visit	50	Did the provider record all the information collected from the client in their register?	☐ Yes ☐ No
	51	Did the provider provide to the client the opportunity to ask question?	□ Yes □ No
	52	Did the provider give the client and his/her family	☐ Yes ☐ No

	appropriate advice on malaria (causes, risks, prevention)?	

#### **Immediate Corrective Actions**

# Briefly describe key activities conducted during Supportive Supervision visit and number of staff reached

	Action Taken	# of Staff Reached
1	<b>Category:</b> ☐ Lecture; ☐ Demonstration; ☐ Mentoring/Coaching; ☐ Document/SOP development; ☐ Other	
_	Describe:	
2	<b>Category:</b> □ Lecture; □ Demonstration; □ Mentoring/Coaching; □ Document/SOP development; □ Other	
2	Describe:	
2	Category: ☐ Lecture; ☐ Demonstration; ☐ Mentoring/Coaching; ☐ Document/SOP development; ☐ Other	
3	Describe:	
4	<b>Category:</b> ☐ Lecture; ☐ Demonstration; ☐ Mentoring/Coaching; ☐ Document/SOP development; ☐ Other	
4	Describe:	
F	<b>Category:</b> ☐ Lecture; ☐ Demonstration; ☐ Mentoring/Coaching; ☐ Document/SOP development; ☐ Other	
5	Describe:	
	Category: ☐ Lecture; ☐ Demonstration; ☐ Mentoring/Coaching; ☐ Document/SOP development; ☐ Other	
6	Describe:	
Total	Total number of staff reached across all activities	
	(Note: there should be no double-counting across categories for this total)	

### **Supervisor Feedback**

	Observation 1	Observation 2	Observation 3
Supervisor: Did you	☐ Yes	☐ Yes	☐ Yes

provide feedback to staff on issues identified during observation for each aspect: Greeting, clinical history, diagnosis, treatment, admission, referral, and counseling?	□ No	□ No	□ No	
If "no," why not?	Reason#:	Reason#:	Reason#:	
(Write the reason number in the box for each observation)  1. No febrile patient  2. No clinician available  3. Patient referred during HF visit  4. Stopped consultation due to potential harm  5. Not enough time  6. Other (explain)	Explain:	Explain:	Explain:	
Based on your overall	☐ Unsatisfactory			
observation, how	☐ Fair			
would you rate this HF in terms of its	☐ Satisfactory☐ Excellent			
general examination				
for malaria?				
Additional comments on the observations				
Observation 1				
Observation 2				
Observation 3				

Recommendation	and	Action	Plan

- If you found more than one gap (questions for which there is missing, partially complete, or incomplete answer or failure to follow national protocol) identified during the last HF visit, or if you have identified more than one during the current visit, make a copy of this page for each gap
- Leave a copy of the supervisor feedback and action plan at the HF.

Date of HF visit:	lumber of staff supervised:			
I Date of HF visit: I IN	lumber of staff supervised:			
	F:			
What were the biggest gaps(s) id	lentified during the <i>last</i> HF visit?			
a th	riefly describe the ction plan laid out in ne previous visit:			
Briefly describe the status of the action	on plan laid out in the previous visit:			
☐ Not addressed ☐ Partially ad	dressed    Completely addressed			
If addressed, explain the actions taken. If partially or not addressed, what is the new action plan to address the gap(s):				
What were the biggest gap(s) identified today?				
Briefly describe gap(s):	Was immediate ☐ Yes feedback provided? ☐ No			
If yes, how was the feedback provided?				
☐ Guideline Review ☐ Demonstration ☐ SOP Review ☐ Clinical mentoring ☐ Lecture ☐ Other (specify):				

Identified gap	Recommended action	Responsible person(s)	Timeline	Update/Status
Supervisor comme	ents:			