

## **Current Recommended Indicators**

### Diagnosis Indicator:

100 \* Number of children <5 with fever in past 2 weeks with a finger/ heel stick

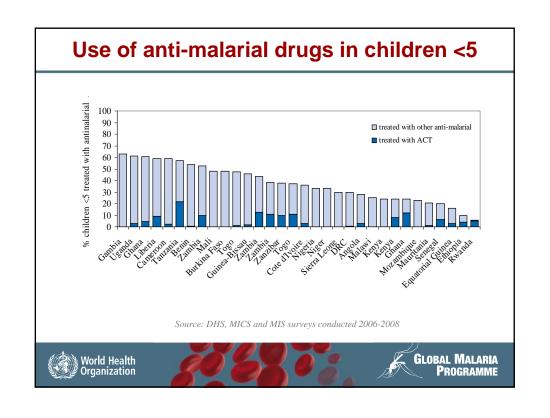
Number of children <5 with fever in past 2 weeks

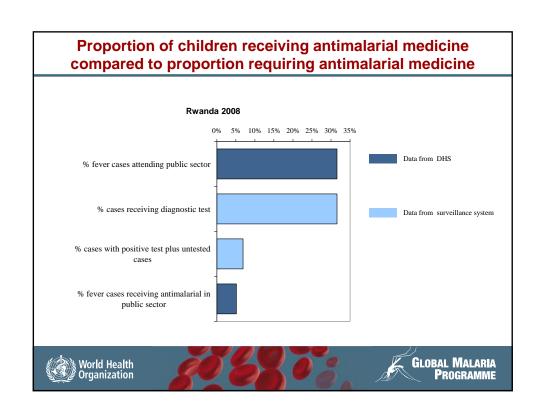
#### Treatment Indicator:

 $\frac{100*}{\text{No. children} < 5 \text{ with fever in past 2 weeks receiving anti-malarial treatment}}{\text{No. children} < 5 \text{ with fever in past 2 weeks}}$ 

But not all fever cases should receive anti-malarial medicines







### **Alternative Treatment Indicators**

A: For those with positive test result:

100 \* No. children <5 with fever in last 2 weeks tested +ve and receiving antimalarial

No. children <5 with fever in past 2 weeks with positive test

B: Taking into account negative test result/ not tested:

100 \* No. children <5 with fever in last 2 weeks tested and receiving recommended antimalarial treatment

No. children <5 with fever in past 2 weeks tested



## **Recommended Antimalarial Treatment**

• Test + ve : received anti-malarial Recommended

: did not receive anti-malarial Not recommended

• Test – ve : received anti-malarial Not recommended

: did not receive anti-malarial Recommended

Not tested : received anti-malarial Recommended (?)

: did not receive anti-malarial Not recommended (?)



### Recall by care takers of test results in Zambia

Source of fever treatment		Yes	No	DK	Total %	% +ve
Hospital	Α	11	2	0	13	85%
Health Centre	В	83	15	9	107	85%
	С	1	0	3	4	100%
	E	0	1	0	1	0%
	F	2	0	0	2	100%
	Blank	8	0	0	8	100%
	Total	105	18	12	135	

		Fever			
	•	Yes	No	Total	% ACT
Test positive	Yes	75	26	101	74%
	No	4	14	18	22%
	DK	8	4	12	67%
	Total	97	44	131	

Source: Albert Killian

#### Reasons for high positivity rate:

- May be given final diagnosis not test result?
- If tested for malaria then assumption is that you have malaria?
- Caretakers only recall being tested if result is positive?
- Fault in health service or patient recall?
- Can be overcome by better training?





# **Ways Forward**

- Stop recommending the current treatment indicator (% fever cases receiving antimalarial). Describe indicator in guidance document for historical purposes, explaining that it is no longer consider relevant.
- Further review experience of places where recall of test results has been attempted
  - Cambodia, Zambia, Uganda, Senegal
- Explore whether results of RDTs taken during household survey itself can provide information on appropriate treatment
  - Seems to have problems
- Pilot test questions in areas conducting MIS in 2011
  - Verify recall of test result by caregiver by visiting health facility and checking laboratory or patient registers
- Explore two other indicators in the interim:
  - % of fever cases seeking care from appropriate provider
  - % of antimalarial treatments that are ACTs







#### Solomon Islands: Reasons for not seeking treatment Reasons a clinic/ hospital was not used for help/ care for recent sickness. SI HIES 2005-2006 Clinic to far 26.4% Clinic not friendly Clinic not nice 0.3% Clinic no staff Close relative works at clinic 1.0% Clinic has no drugs 0.3% Can't pay for clinic 3.5% Can't pay for transport 2.4% No transport available 0.3% 3.5% 5.9% Ilness at night Bad weather To busy to go to clinic 17.0% Ilness not serious 3.1% Other reason Alwauys use TH first Not stated Total GLOBAL MALARIA PROGRAMME World Health Organization

