

Net Use Behavioral Indicators

Background:

At the AMP meeting in February 2009, the BCC group met and developed a set of activities to help AMP partners coordinate better. One of these activities was to compare questionnaires used by different partners to assess whether there is opportunity to standardize indicators that measure behavior change and behavior change communication impact. Three questionnaires were submitted and compared (shown here in different color fonts). The questions were not transcribed directly but paraphrased for brevity, keeping the essential elements of the question intact. Questions were then grouped into categories, and similar questions were grouped. A Zambia 2008 MIS survey with additional questions on sleeping spaces and health worker visits is in dark red. MICS 3 questionnaire uses the same questions for ownership and use and treatment. When “NGO X” follows a question, it means their questionnaire has the same or very similar question, rather than typing in the question twice.

Key

Green text: NGO A

Blue text: NGO B

Black text: NGO C

Dark Blue text: NGO D

Orange text: NGO E

Purple text: NGO F

Pink text: NGO G

Dark red text: Zambia 2008 MIS (same as other MISes)

Red text: Zambia 2008 MIS – new questions

Lavender text: MICS 3 (2005-6) – have asked for MICS 4 but it’s still being piloted.

Questions

Ownership

Hh ownership of nets – yes/no

Hh ownership of nets - # of nets in hh

Do you have any nets? If not why (never got, sold, damaged how, gave it away why, used for something else what, other)

How many nets do you have?

Did hh get any nets from X campaign? How many? How many in hh now?

What reasons for not having a net?

Did the child who got a campaign card get a net during the campaign?

Is the child’s net still in the hh?

Why didn’t the child get a net during the campaign? (ran out of nets/not at the house/didn’t know where to go/busy/too far/too many people/other/dk) NGO F

Did [woman] get a net during last ANC visit? Why not (dk/no more nets/no one offered)

Is this net still in the hh? If not, what did you do with it? (gave it to someone else, sold it, it was damaged, lost/stolen)

Does your household have any mosquito nets that can be used while sleeping?

How many mosquito nets does your household have?

Where obtained

Where net was obtained

Where obtained

Where did you obtain the net? Government clinic/hospital Neighborhood health committee (NHC) Community health worker (CHW) / agent Retail shop Pharmacy Workplace Other

Did you get the net during X Campaign? NGO F

Where did you get the net (market/ANC visit at clinic/EPI visit at clinic/pharmacy/NGO/community agent) NGO F

How many nets did you get during X campaign?

Age of net

How long ago did your household obtain the mosquito net?

How long have you had this net? NGO E

Age of net

Sleeping Spaces

How many rooms in this household are used for sleeping?

How many separate sleeping spaces are there in your household?

Treated

Net dipped/soaked within last 6 months?

Net washed frequently in last 6 months?

Already treated? NGO E

Ever soaked/dipped?

When you got the net, was it already factory-treated with an insecticide to kill or repel mosquitoes?

NGO D

Since you got the mosquito net, was it ever soaked or dipped in a liquid to kill or repel mosquitoes or bugs? NGO D

How long ago was the net last soaked or dipped? NGO D

Where was the net soaked or dipped?

Did you pay to soak or dip the net? How much did you pay to soak or dip the net?

Was net treated within last 12 months?

Condition

PLEASE RECORD OR ASK THE GENERAL CONDITION OF THE NET. 1 Good (no holes) 2

Fair (no holes that fit a torch battery) 3 Poor (1-4 holes that fit a torch battery) 4 Unsafe (>5

Holes that fit a torch battery) 5 Unused (still in package) 98 Unknown

Does net have holes? How many >5cm < 5cm?

How were holes made? (ripped by nails/wood, burned by embers, eaten by rodents, ripped during use other than sleeping, torn by mattress)

How many times has net been washed?

How many days ago was it last washed?

What did wash net with? (water only, soap, bleach)

Where did you dry the net? (inside, outside in shade, outside in sun, on ground in sun, on ground in shade, other)

Use

Any never-used nets in hh?

Did anyone sleep under this mosquito net last night? NGO D NGO F

Who slept under this mosquito net last night? NGO E

Last night did X sleep under net?

Did X sleep under net last night?

Did (NAME) sleep under a mosquito net last night?

Did <5 sleep under net last night?

Did PW sleep under net last night?

Who sleeps under the nets?

How many people sleep under the net? NGO F

How many nets are hung in hh?

Frequency

How frequently sleep under net?

Non-Use

Where is net (hung/in package/stored)

Why is net not hanging? (put away for dry season, use for something else, put away during daytime, still in package, unseen, don't like using it)
Where is net when not sleeping under? (leave hanging, on floor, use for something else, put away, other)

Was net hung over the bed last night? Why not (very hot/no mosquitoes/allergic to insecticide/no place to hang it/don't know how to hang/don't like the net/poor condition of net/other) NGO F

What is main reason child did not sleep under net? (too hot, no mosquitoes, someone else using, not enough nets, child moved out, child is sick, dk)

Why do the children who sleep in this house sometimes not sleep under a mosquito net?

TOO HOT
TOO COLD
CHILD CRIES
CHILD AFRAID
NOT ENOUGH NETS
NET NOT HUNG UP
USED BY ADULTS
NET NOT USED WHEN TRAVELING
NET WORN OUT / POOR CONDITION
OTHER (SPECIFY)

If no one sleeps, why not (too hot/don't like texture/its dry season/constricting/other)

How is this net used (sleep/only for visitors/fish/clean with it/wear it/other)

Observation

Have you seen the net in the hh? (question for interviewer) NGO F

Is the net hung (question for interviewer) NGO F

Attributes of Net

Brand Brand Brand Brand Brand

Size – Height Width Length

Net appears used? Y/N

Hanging

It's hard to find a place to hang the net
Hanging and unhooking nets can be annoying
Hanging a net so that people can sleep in it can be hard

Ancillary benefits

Nets can protect against other insects
Nets can protect against stuff falling from the roof
Nets can prevent being cold

Drawbacks

It's uncomfortable to sleep under a net
It's hot sleeping under a Net
Nets in the market are too small
Nets are stuffy
Nets are smothering

Preference

What shape do you prefer? (round/rectangular/no pref)

What color do you prefer? (white/blue/green/dk)

What size is appropriate? (bigger than this one/smaller/same size/dk)

Would you like net to have rope for hanging? YN

Access to Net

How far to net sale point?

Know where to buy net?

How far to get a net?

Access to Treating/Dipping

Can nets be dipped in your village?
Know where to go for dipping?
Can get them dipped every 6 months?
How far to net dipping point?

Price/Cost/Affordability (Willingness to pay questions not included)

How much did you pay for the net when it was purchased? NGO E
What average price do you pay for a net?
Did you purchase the net? NGO D NGO F
Did you pay for the net?
Did you buy or was it given? Who gave you the net? (NGO E/clinic/friend-relative/other NGO)

What average price do you pay for retreatment kit?

Results/Impact

Since having a net have you noticed difference in how often kids are sick (more, less, no diff)

Beliefs

Insecticide Beliefs

Is treated net more effective than untreated?
How often should net be retreated?
Non-treated nets are effective to prevent malaria
Untreated nets protect against mosquito bites when you sleep under them
ITNs are the more effective at preventing malaria than untreated nets
ITNs protect people against mosquito bites when you sleep inside them because they repel mosquitoes
Using untreated nets is good/useless/unhealthy/a nuisance/ineffective/adequate/disagreeable
Using ITNs is good/useless/unhealthy/a nuisance/ineffective/adequate/disagreeable

Risk Group Beliefs

Which groups are most affected?
Who are people in your community most likely to die from M?

Do you believe that children are higher priority to sleep under ITN?
Malaria can affect child growth

Do you believe pregnant women are higher priority to sleep under ITN?
Do you believe that pregnant women must sleep under ITN?
Malaria is serious for pregnant women
Malaria can affect growth of fetus
Malaria is more dangerous after a woman becomes pregnant

Benefits of Nets Beliefs

Do you believe it's important to sleep under ITN?
Do you believe that it's strange not to sleep under ITN nowadays?
Do you believe an untreated net is enough to protect from mosquito bites?
Do you believe that sleeping under ITN is important only in rainy season?
Can an ITN kill/expel mosquitos?
Do hh members get less malaria if they sleep under ITN?
Do you believe sleeping under ITN affects health?
Sleeping under an ITN is a good way of preventing malaria

Perception of Risk (agree/disagree scale)

I'm at little risk of getting malaria
People like me don't get malaria
I'm in good health and can fight malaria
I'm too old to get malaria
I'm not worried about dying from malaria
Pregnant women have low risk of getting malaria
If pregnant women are in good health they can fight malaria
If I get pregnant, I don't fear getting malaria
Pregnant women with malaria will have medical problems
Children under 5 are at low risk of getting malaria, even when they don't sleep under net
Children are more at risk of malaria than adults
If a kid under 5 is in good health, their body can fight malaria
If I have kids under 5, I don't worry they'll get malaria
If I sleep under an untreated net, I am less at risk of getting malaria
If I sleep under an ITN I am less at risk of malaria

Severity of the disease (scale)

Malaria is serious problem for my community
People here only get malaria during rainy season
Each year many children here get malaria
Only weak children die from malaria
Malaria kills more children in Tanzania than any other disease
Malaria can prevent me from working and earning money
Malaria can prevent my children from attending school
My family would be sad if someone got malaria
Malaria is a major health problem for my community

Self Efficacy

Do you believe you can protect yourself from malaria?
Do you believe you can prevent malaria in your hh?
(scale 1-4) believe I can:
Can get enough nets for all my children
Hang a net above children's sleeping spaces
Protect myself and children from malaria
Save enough money to get nets for all my kids
Sleep under a net every night of the year
Get my kids to sleep under a net every night of the year
Retreat a net

Intention

Do you have a plan/intend to sleep under ITN every night?
Do you intend to make sure your spouse sleeps under ITN?
Do you intend to dip/soak? Every 6 months?

Knowledge

Main/best/other malaria prevention methods?

sleep under nets
body cream
eating good food
spraying
coils
window screens
cleaning around house
stagnant water
burning
Sleep under a mosquito net
Sleep under an insecticide treated mosquito net

Use mosquito repellent
Avoid mosquito bites
Take preventive medication
Spray house with insecticide
Use mosquito coils
Cut the grass around the house
Fill in puddles (stagnant water)
Keep house surroundings clean
Burn leaves
Don't drink dirty water
Don't eat bad food (immature sugarcane/leftover food)
Put mosquito screens on the windows
Don't get soaked with rain
Other (Specify)

IRS

sleep under net
sleep under ITN
use spray insecticide
coils
avoid mosquito bites
avoid eating certain foods – mangos etc

What do you do at home to prevent malaria? (sleep under net/sleep under ITN/use spray insecticide/coils/avoid mosquito bites/avoid eating certain foods – mangos etc/other)

Have you ever heard of an illness called malaria?

Heard of malaria?

Heard of net?

Heard of ITN?

People can die from malaria

Symptoms (true/false)

Fever is sign of malaria
Being cold is sign of malaria
Headaches are a sign
People with malaria feel weak
Aches are symptom
Diarrhea is often a symptom
Yellow urine is a symptom
Vomiting is a symptom
Person with malaria probably has yellow eyes
People with malaria lose appetite

Can you tell me the main signs or symptoms of malaria? NGO E

Fever
Feeling cold
Headache
Nausea and Vomiting
Diarrhea
Dizziness
Loss of appetite
Body ache or joint pain
Pale eyes
Salty tasting palms
Body weakness
Refusing to eat or drink
Other (Specify)

What are the danger signs and symptoms of malaria?

Seizure / convulsions
Goes unconscious
Any fever
Very high fever
Stiff neck
Weakness
Not active
Chills/shivering
Not able to eat
Vomiting
Fainting
Crying all the time
Restless, won't stay still
Diarrhoea
Other (Specify):

What is the main cause of malaria? (mosquito bites/drinking dirty water/eating certain things/fatigue/being out in the rain/working in the sun) What are other causes? (same list) NGO E

Mosquito bites
Eating immature sugarcane
Eating cold nshima
Eating other dirty food
Drinking dirty water
Getting soaked with rain
Cold or changing weather
Witchcraft
Other (Specify)
working in the noon day
drinking dirty water
not boiled water
working in the raining day
staying in the forest
bathing in the river
bad air
idea
eating bad food
from someone who has malaria
mosquito bites

Causes (true/false)

Can get malaria working under the sun
Person can get malaria by being out in the rain
Can get from dirty water
Malaria transmitted from someone else who had it
Malaria transmitted by mosquitoes
Malaria caused by parasite in the blood
Sleeping under net prevents malaria
Insecticides can prevent malaria
Sleeping under an ITN can prevent malaria
Keeping house clean prevents malaria
Draining standing water prevents malaria
(scale) Eating unripe corn/maize can cause malaria
Exposure to the rain can cause malaria

When could the mosquito who brings malaria bite you?

every time
morning only
noon day only

early evening only
evening only
early evening until early morning

Social Norms

Is it normal for people in your community to dip/soak net?
Is it normal to dip/soak every 6 months?

Have you discussed ITNs with others?

Do you believe that ITN use is appropriate in your community now?

My husband often asks me to sleep under a net
My husband asks me often to sleep under an ITN

Household Visits

Were you visited by a community agent during X campaign?
Was agent part of NGO D or another agent?
Were you visited by a community agent after the campaign?
Was agent part of NGO D or a different agent?
Did agent show you how to hang the net?
Did agent explain the importance of sleeping under the net?
Did hh get a visit from NGO F agent to discuss net and use? How many times since campaign?
Did other hhs in neighborhood get a visit from NGO F agent?
Has the community health worker in your village ever discussed malaria with you?
Has the community health worker in your village ever discussed with you who in the house should be using mosquito nets?
Has the community health worker in your village ever helped set up a mosquito net in this house?

Reach

In the past year have you heard/seen any messages about malaria prevention or treatment?
Have you ever heard or seen any messages / information telling you to ensure your child/children sleep under a mosquito net? NGO E
Where did you get these messages / information?
Community health worker, clinic/hospital, radio, TV, billboard, posters, village/
neighborhood leader, other
Heard an ad for Brand X in last 6 months?
Where?
What frequency?
How much of it did you hear on TV (half, all)
How often did you hear it on the radio?
How much of it did you hear on the radio (half, all)?
How often did you see a sign?
How often did you see a poster?
How often did you see a flyer?
How often did you hear/see in a health center?
Have you heard or seen an ad about malaria in last 6 months?
Where have you heard this ad
What frequency did you hear/see this on TV?
How long did you listen to it (half, all)?
How often did you hear it on radio?
How long did you listen to it on radio (half, all)?
How often see on sign?
How often seen on poster?
How often see in flyer?
How often see at health center?

What messages have you heard (fever is a sign/pw are at risk/<5 are at risk/always sleep under net/IPT for PW/mosquitoes cause/IRS can stop Malaria/other)

Where did you hear messages? (radio station, billboard,d poster, tshirt, flyer, tv, video, school, CHW, clinic, market)

What were they about? (nets, retreatment, ACT, IPT, severity of malaria, risk of malaria, other)

Where did you see/hear them? (radio, TV, community event, HCW, friend/family, other)

Have you ever heard the phrase “[campaign slogan]”?

Where did you see/hear this phrase? (radio, TV, community event, HCW, friend/family, other)