

amp

| The Alliance for
Malaria Prevention

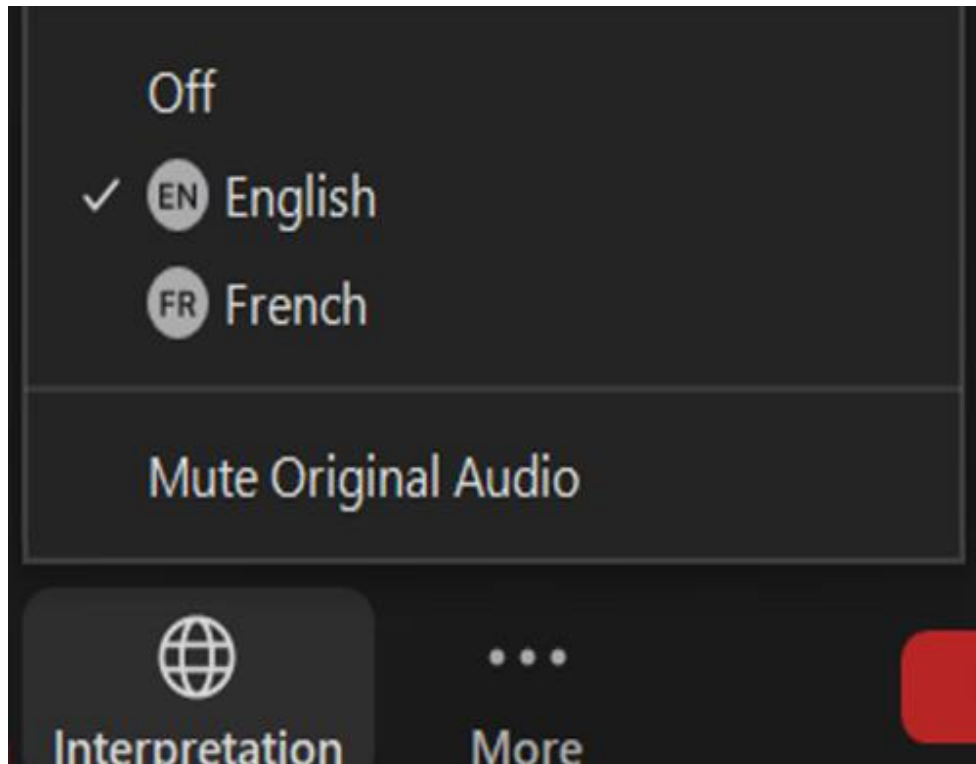
AMP campaign assessment training

7th June 2023



Welcome to the ITN campaign assessment training

Bienvenue à la formation d'évaluation des campagnes MII



Interpretation / Interprétation

Select your language now at the bottom of the screen– veuillez choisir votre langue de preference en bas de votre écran

Please choose from: **English & French/ Veuillez choisir l'anglais ou le francais**

Session will begin shortly – la session débutera bientôt

**ITN campaign
assessment
training**

**Formation à
l'évaluation de la
campagne MII**

**Break – Pause
(10 minutes)**

We will return
shortly

Nous reviendrons
bientôt

Day 2

ITN Campaign Assessment using Clustered Lot Quality Assurance Sampling (cLQAS)

Agenda

- ITN campaign assessment questionnaires
- Indicators for campaign assessment
- Analysis and response of ITN campaign assessment data
- Different approaches for in- and end-process assessment

Review of Day 1- Participatory exercise 4

Do you have any questions from Day 1 before we begin Day 2?



GO TO
menti.com
ENTER THE CODE
4743 8855

ITN campaign assessment questionnaires

[Annex 14](#) : Model ITN campaign assessment questionnaire template, in- and end-process assessments

ITN campaign assessment questionnaires

- Developed by the M&E sub-committee and/or assessment TWG
 - Prioritize questions to inform the assessment objective and indicators
- In-process and end-process draft [questionnaires](#) developed by AMP (Annex 14)
- Draft questionnaires should be shared with key ITN campaign partners for inputs
- Translate final validated questionnaires
- Pre-test and finalize the questionnaires
- Put them into mobile data collection app

Overview of the questionnaires

Questions related to 5 main indicators

Questions related to secondary indicators

Reasons why the HH did not receive the correct number of campaign ITNs

Questions on ITN use (end-process)

Reasons why persons did not sleep under an ITN

SBC section

- Exposure to campaign messages
- Source of information about the campaign
- Etc.

Spotlight: In-process questionnaire

Double phase approach

- During registration focus on:
 - whether the HH was registered
 - whether HH received correct number of vouchers or ITN allocation
- During distribution focus on:
 - whether HH received correct number of nets

Single phase approach

- Focus on whether HH received the correct number of ITNs

No ITN use questions

Fewer SBC questions

Indicators for campaign assessment

Household registration	<ul style="list-style-type: none"> Percentage of HHs registered Percentage of HHs that received voucher(s) Percentage of HHs that received voucher(s) with ITN allocation consistent with campaign allocation rules
ITN distribution	<ul style="list-style-type: none"> Percentage of HHs that received any ITNs during the distribution Percentage of HHs that received the correct number of ITNs according to ITN campaign allocation rules
ITN use	<ul style="list-style-type: none"> Percentage of ITN use by children under five years Percentage of ITN use by pregnant women Percentage of ITN use by others over five years Percentage of ITN use by total population HHs that received any ITNs during the distribution
Cross-cutting SBC indicators for HHR and ITN distribution	<ul style="list-style-type: none"> Percentage of HHs that received any information about the ITN campaign <ul style="list-style-type: none"> 👉 If HH received information, percentage who heard about the campaign from: a volunteer, town crier or motorized street announcer, religious leader, health facility worker, community health worker (CHW), neighbor, friend, radio, other media, and/or other (respondent may select more than one source) Percentage of HHs that know the correct location of their ITN distribution point Percentage of HHs that received information about how to hang, use and care for the ITNs

Note: indicator list will be influenced by the type of campaign/assessment approach. For example, HHR indicators may not be included in list for single-phase campaigns

In-process indicators

Single phase

- % of HHs that received the correct number of ITNs according to ITN campaign allocation rules
- Reasons why HHs did not receive the correct number of ITNs according to ITN campaign allocation rules*

Double phase

- % of HHs that received voucher(s) with ITN allocation consistent with ITN campaign allocation rules
- Reasons why HHs did not receive vouchers with ITN allocation consistent with ITN campaign allocation rules*
- Fewer SBC questions

*Options are to include open-ended questions and classification or to develop a pick-list with an “other” category

Social behavior change indicators

National malaria programmes have an important opportunity to add SBC indicators and assess key behavioral barriers to ITN coverage and use, including :

- The quality and reach of SBC activities,
- HH exposure to key messages and the accuracy of the messages received,
- Reasons why HHs did not receive the correct number of vouchers or ITNs,
- Reasons why individuals did not use ITNs the previous night, and
- Participation in ITN distribution activities and subsequent use of campaign ITNs.

The 5 main indicators

How are they calculated?

Percentage of HHs that received any ITNs during the distribution

Percentage of HHs that received the correct number of ITNs according to ITN campaign allocation rules

Percentage of persons with access to an ITN

Percentage of ITN use by total population that received any ITNs during the distribution

Percentage of ITN use by children under 5-years

Indicator 1: Percentage of HHs that received any ITNs during the distribution

Numerator: Number of households that received ITN (D1 greater or = 1)

Denominator: Total number of households surveyed (A2 = 1)

ITN UNIVERSAL COVERAGE CAMPAIGN: End Process Data Form--Household Data

Prov/Region: _____ District: _____ Sub-District: _____ Settlement/village Name _____

Consecutive No of Households Visited/ sampled	Household interview status: 1--Accepted, 2--Not at Home, 3--Refused				Number of household members according to campaign definition				Net Card received (Y, N)	Net Card redeemed (Y,N)	No. of campaign ITNs received	Correct no. of ITN received? Yes/No. If "No", record reason(s) in Section 2 below.	Categorize reason(s) from Section 2 for "not correct"--mark one or several					No. of ITNs in observed in household at interview. Record "99" if not remitted to observe.	No. of ITN present from the campaign remaining in HH	No. of ITN present from other sources in HH	No. campaign ITN hanging last night (from the campaign)	No. ITN hanging from other sources	No. total ITN hanging (calculated total on mobile screen)	No. sleeping spaces last night (no. of nets needed to cover all HH members)	No of People that slept inside ITN last night			TOTAL (calculated)	Total no. of persons did NOT sleep under ITN last night (calculated: B4-H4)	If any persons in H1-H3 did not sleep inside LLIN, record age, gender, and
	Children U5	Pregnant women	Others	Total (ensure calculated total equals response from interviewee)	D3	D4	D5	D6					D7	H1	H2	H3														
A1	A2	B 1	B 2	B 3	B 4	C1	C2	D1	D2	D3	D4	D5	D6	D7	E1	E2	E3	F1	F2	F3	G	H1	H2	H3	H4	I1				
1																														
2																														

Note: there are separate questions for number of campaign ITNs received (D1) and number of campaign ITNs remaining in the HH (E2). This distinction is especially important if there is a time gap between the last day of campaign ITN distribution and the start of the end-process assessment.

Indicator 3: Percentage of persons with access to an ITN

Numerator: Number of ITN present in the HH from the campaign (E2) + other sources in HH (E3)) X 2
 (maximum = total number of people in household surveyed (B4))

Denominator: Total number of people in households surveyed (B4)

ITN UNIVERSAL COVERAGE CAMPAIGN: End Process Data Form--Household Data

Prov/Region: _____ District: _____ Sub-District: _____ Settlement/village Name _____

Consecutive No of Households Visited/ sampled	Household interview status: 1--Accepted, 2--Not at Home, 3--Refused	Number of household members according to campaign definition			Total (ensure calculated total equals response from interviewee)	Net Card received (Y, N)	Net Card redeemed (Y, N)	No. of campaign ITNs received	Correct no. of ITN received? Yes/No. If "No", record reason(s) in Section 2 below.	Categorize reason(s) from Section 2 for "not correct"--mark one or several							No. of ITNs in observed in household at interview. Record "99" if not remitted to observe.	No. of ITN present from the campaign remaining in HH	No. of ITN present from other sources in HH	No. campaign ITN hanging last night (from the campaign)	No. ITN hanging from other sources	No. total ITN hanging (calculated total on mobile screen)	No. sleeping spaces last night (no. of nets needed to cover all HH members)	No of People that slept inside ITN last night			TOTAL (calculated)	Total no. of persons did NOT sleep under ITN last night (calculated: B4-H4)	If any persons in H1-H3 did not sleep inside LLIN, record age, gender, and
		Children U5	Pregnant women	Others						D3	D4	D5	D6	D7	H1	H2								H3					
A1	A2	B1	B2	B3	B4	C1	C2	D1	D2	D3	D4	D5	D6	D7	E1	E2	E3	F1	F2	F3	G	H1	H2	H3	H4	I1			
1																													
2																													

Indicator 4: Percentage of ITN use by total population

Numerator: Total number of individuals who slept under an ITN the previous night (H4)

Denominator: Total number of household members (B4)

ITN UNIVERSAL COVERAGE CAMPAIGN: End Process Data Form--Household Data

Prov/Region: _____ District: _____ Sub-District: _____ Settlement/village Name _____

Consecutive No of Households Visited/ sampled	Household interview status: 1--Accepted, 2--Not at Home, 3--Refused	Number of household members according to campaign definition			Net Card received (Y, N)	Net Card redeemed (Y, N)	No. of campaign ITNs received	Correct no. of ITN received? Yes/No. If "No", record reason(s) in Section 2 below.	Categorize reason(s) from Section 2 for "not correct"--mark one or several					No. of ITNs in observed in household at interview. Record "99" if not remitted to observe.	No. of ITN present from the campaign remaining in HH	No. of ITN present from other sources in HH	No. campaign ITN hanging last night (from the campaign)	No. ITN hanging from other sources	No. total ITN hanging (calculated total on mobile screen)	No. sleeping spaces last night (no. of nets needed to cover all HH members)	No of People that slept inside ITN last night			TOTAL (calculated)	Total no. of persons did NOT sleep under ITN last night (calculated: B4-H4)	If any persons in H1-H3 did not sleep inside LLIN, record age, gender, and	
		Children U5	Pregnant women	Others					Distribution point or distributor did not have enough ITNs	Cluster ran out of ITNs	Exceeded maximum	HH does not know why	Other								Children U5	Pregnant women	Others				
A1	A2	B1	B2	B3	B4	C1	C2	D1	D2	D3	D4	D5	D6	D7	E1	E2	E3	F1	F2	F3	G	H1	H2	H3	H4	I1	
1																											
2																											

Indicator 5: Percentage of ITN use by children under 5-years

Numerator: Total number of children under five who slept under an ITN the previous night (H1)

Denominator: Total number of children under five (B1)

ITN UNIVERSAL COVERAGE CAMPAIGN: End Process Data Form--Household Data

Prov/Region: _____		District: _____							Sub-District: _____							Settlement/village Name _____											
Consecutive No of Households Visited/ sampled	Household interview status: 1--Accepted, 2--Not at Home, 3--Refused	Number of household members according to campaign definition				Net Card received (Y, N)	Net Card redeemed (Y,N)	No. of campaign ITNs received	Correct no. of ITN received? Yes/No. If "No", record reason(s) in Section 2 below.	Categorize reason(s) from Section 2 for "not correct"--mark one or several					No. of ITNs in observed in household at interview. Record "99" if not remitted to observe.	No. of ITN present from the campaign remaining in HH	No. of ITN present from other sources in HH	No. campaign ITN hanging last night (from the campaign)	No. ITN hanging from other sources	No. total ITN hanging (calculated total on mobile screen)	No. sleeping spaces last night (no. of nets needed to cover all HH members)	No of People that slept inside ITN last night			TOTAL (calculated)	Total no. of persons did NOT sleep under ITN last night (calculated: B4-H4)	If any persons in H1-H3 did not sleep inside LLIN, record age, gender, and
		Children U5	Pregnant women	Others	Total (ensure calculated total equals response from interviewee)					Distribution point or distributor did not have enough ITNs	Cluster ran out of ITNs	Exceeded maximum	HH does not know why	Other								Children U5	Pregnant women	Others			
A1	A2	B1	B2	B3	B4	C1	C2	D1	D2	D3	D4	D5	D6	D7	E1	E2	E3	F1	F2	F3	G	H1	H2	H3	H4	I1	
1																											
2																											

ITN campaign assessment questionnaires

End-process questionnaire has questions about hanging and use and reasons for not using ITNs during the previous night

In-process questionnaire concentrates on receipt of the correct number of vouchers (or correct number of ITNs recorded on the HH voucher) or ITNs for each HH, reasons for not receiving the correct number of vouchers/ITNs, and campaign media or messaging exposure. **The in-process form does not have information about hanging and use.**

Q&A and discussion

Q&A Tracker

**ITN campaign
assessment
training**

**Formation à
l'évaluation des
campagne MII**

**Break – Pause
(10 minutes)**

We will return
shortly

Nous reviendrons
bientôt

Analysis and response of ITN campaign assessment data

Analysis and response

- Make a summary table to compare performance of lots (e.g., districts) based on 5 key indicators
- Investigate why some lots had low performance
- Calculate indicator point estimates and CI at higher (province, national) levels
- Review lessons learned and report

Summary table, Area 1

Classification of Lots, Five Main Indicators, End-Process cLQAS, ITN Mass campaign, late 2021, Area 1							
Name of Lots	At least 1 ITN	Correct	Pop. Access	Use, total	Use < 5yo	Average	
	90/80	90/80	90/80	90/80	90/80	90/80	
Lot 1	100%	97%	98%	100%	100%	99%	GOOD
Lot 2	100%	87%	100%	100%	100%	97%	
Lot 3	100%	90%	98%	98%	99%	97%	
Lot 4	99%	91%	96%	96%	95%	95%	
Lot 5	100%	79%	91%	99%	100%	94%	UNCERTAIN
Lot 6	100%	90%	98%	87%	82%	91%	
Lot 7	99%	92%	96%	81%	86%	91%	
Lot 8	99%	75%	93%	88%	98%	91%	
Lot 9	100%	71%	95%	96%	90%	90%	
Lot 10	95%	71%	95%	95%	89%	89%	
Lot 11	100%	66%	90%	85%	97%	88%	
Lot 12	96%	71%	87%	89%	91%	87%	
Lot 13	99%	60%	81%	93%	99%	86%	
Lot 14	96%	70%	83%	85%	93%	85%	
Lot 15	96%	77%	93%	74%	69%	82%	INADEQUATE
Lot 16	100%	68%	88%	67%	74%	80%	
Lot 17	100%	78%	95%	60%	64%	79%	
Lot 18	90%	62%	83%	79%	79%	79%	
Lot 19	98%	55%	93%	72%	72%	78%	
Lot 20	100%	44%	78%	83%	84%	78%	
Lot 21	95%	57%	89%	71%	73%	77%	
Lot 22	93%	57%	83%	65%	81%	76%	
Lot 23	88%	56%	71%	79%	81%	75%	
Lot 24	92%	25%	78%	83%	84%	72%	
Lot 25	100%	68%	84%	50%	52%	71%	
Lot 26	92%	55%	87%	63%	47%	69%	
Lot 27	87%	31%	77%	58%	61%	63%	

Summary table for classification of lots based on five main indicators--90/80 and from two different states in Nigeria.

Summary table, Area 1

Classification of Lots, Five Main Indicators, End-Process cLQAS, ITN Mass campaign, late 2021, Area 1							
Name of Lots	At least 1 ITN	Correct	Pop. Access	Use, total	Use < 5yo	Average	
	90/80	90/80	90/80	90/80	90/80	90/80	
Lot 1	100%	97%	98%	100%	100%	99%	GOOD
Lot 2	100%	87%	100%	100%	100%	97%	
Lot 3	100%	90%	98%	98%	99%	97%	
Lot 4	99%	91%	96%	96%	95%	95%	
Lot 5	100%	79%	91%	99%	100%	94%	
Lot 6	100%	90%	98%	87%	82%	91%	UNCERTAIN
Lot 7	99%	92%	96%	81%	86%	91%	
Lot 8	99%	75%	93%	88%	98%	91%	
Lot 9	100%	71%	95%	96%	90%	90%	
Lot 10	95%	71%	95%	95%	89%	89%	
Lot 11	100%	66%	90%	85%	97%	88%	INADEQUATE
Lot 12	96%	71%	87%	89%	91%	87%	
Lot 13	99%	60%	81%	93%	99%	86%	
Lot 14	96%	70%	83%	85%	93%	85%	
Lot 15	96%	77%	93%	74%	69%	82%	
Lot 16	100%	68%	88%	67%	74%	80%	INADEQUATE
Lot 17	100%	78%	95%	60%	64%	79%	
Lot 18	90%	62%	83%	79%	79%	79%	
Lot 19	98%	55%	93%	72%	72%	78%	
Lot 20	100%	44%	78%	83%	84%	78%	
Lot 21	95%	57%	89%	71%	73%	77%	INADEQUATE
Lot 22	93%	57%	83%	65%	81%	76%	
Lot 23	88%	56%	71%	79%	81%	75%	
Lot 24	92%	25%	78%	83%	84%	72%	
Lot 25	100%	68%	84%	50%	52%	71%	
Lot 26	92%	55%	87%	63%	47%	69%	INADEQUATE
Lot 27	87%	31%	77%	58%	61%	63%	

Summary table, Area 2

Classification of Lots, Five Main Indicators, End-Process cLQAS, ITN Mass campaign, early 2022, Area 2								
Name of Lots	At least 1 ITN	Correct	Pop. Access	Use, total	Use < 5yo	Average		
	90/80	90/70	90/70	90/70	90/70	90/70		
Lot 1	100%	63%	98%	91%	90%	88%	UNCERTAIN	
Lot 2	95%	72%	91%	87%	90%	87%		
Lot 3	100%	72%	85%	85%	92%	87%		
Lot 4	100%	51%	92%	88%	91%	84%		
Lot 5	100%	68%	88%	85%	78%	84%		
Lot 6	100%	60%	90%	83%	83%	83%		
Lot 7	99%	83%	88%	69%	74%	82%		
Lot 8	100%	65%	82%	84%	79%	82%		
Lot 9	100%	54%	87%	81%	88%	82%		
Lot 10	89%	50%	90%	90%	87%	81%		
Lot 11	70%	49%	94%	97%	96%	81%	UNCERTAIN	
Lot 12	99%	69%	92%	75%	71%	81%		
Lot 13	100%	63%	92%	76%	71%	80%		
Lot 14	100%	88%	96%	63%	53%	80%		
Lot 15	100%	78%	91%	62%	60%	78%		
Lot 16	99%	79%	90%	63%	58%	78%		
Lot 17	89%	69%	82%	67%	77%	77%		
Lot 18	100%	53%	79%	68%	75%	78%		
Lot 19	97%	38%	89%	77%	73%	75%		INADEQUATE
Lot 20	89%	64%	93%	54%	68%	73%		
Lot 21	100%	60%	78%	65%	61%	73%		
Lot 22	95%	37%	95%	62%	71%	72%		
Lot 23	100%	62%	59%	68%	72%	72%		
Lot 24	100%	46%	86%	62%	62%	71%		
Lot 25	100%	73%	80%	54%	48%	71%		
Lot 26	100%	80%	87%	38%	47%	71%		
Lot 27	76%	47%	92%	74%	60%	70%		
Lot 28	97%	34%	93%	50%	56%	66%		
Lot 29	92%	24%	85%	56%	61%	64%		
Lot 30	100%	38%	78%	44%	54%	63%		
Lot 31	94%	22%	93%	42%	50%	60%		
Lot 32	100%	54%	70%	39%	38%	60%		
Lot 33	99%	66%	66%	26%	26%	57%		
Lot 34	83%	28%	93%	46%	33%	56%		

-Sort order based on last column.

-Last column is average of the 5 indicators.

Good

Uncertain

Inadequate

Decide whether to use 90/80 or 90/70 for cut-offs for classification

- If almost all lots are classified as “inadequate/red” using the 90/80 cut-offs, then switch to using 90/70 cut-off

Sorted by average of indicators, classification cut off 90/80

Lots	Any campaign LLIN	Correct	% Pop Access	% Use, total	% Use, child <5 yo	Average
Area 1	100%	97%	89%	98%	100%	97%
Area 2	97%	79%	93%	94%	94%	91%
Area 3	100%	76%	94%	71%	76%	83%
Area 4	96%	70%	91%	60%	87%	81%
Area 5	91%	76%	88%	74%	72%	81%
Area 6	94%	80%	84%	64%	74%	79%
Area 7	100%	73%	93%	53%	75%	79%
Area 8	99%	61%	82%	65%	76%	77%
Area 9	96%	66%	85%	58%	73%	76%
Area 10	100%	59%	96%	48%	71%	75%
Area 11	99%	77%	59%	64%	67%	73%
Area 12	98%	49%	88%	61%	68%	73%
Area 13	90%	58%	84%	52%	62%	69%
Area 14	98%	74%	93%	40%	36%	68%
Area 15	91%	49%	88%	44%	63%	67%
Area 16	97%	45%	71%	55%	64%	66%
Area 17	87%	49%	86%	51%	54%	66%
Area 18	98%	58%	91%	40%	40%	65%
Area 19	95%	55%	90%	29%	43%	62%
Area 20	74%	45%	73%	57%	61%	62%
Area 21	99%	55%	91%	21%	39%	61%
Area 22	73%	37%	63%	39%	51%	53%
Area 23	89%	68%	36%	29%	37%	52%
Area 24	69%	40%	55%	17%	18%	40%

Sorted by average of indicators, classification cut off 90/70

Lots	Any campaign LLIN	Correct	% Pop Access	% Use, total	% Use, child <5 yo	Average
Area 1	100%	97%	89%	98%	100%	97%
Area 2	97%	79%	93%	94%	94%	91%
Area 3	100%	76%	94%	71%	76%	83%
Area 4	96%	70%	91%	60%	87%	81%
Area 5	91%	76%	88%	74%	72%	81%
Area 6	94%	80%	84%	64%	74%	79%
Area 7	100%	73%	93%	53%	75%	79%
Area 8	99%	61%	82%	65%	76%	77%
Area 9	96%	66%	85%	58%	73%	76%
Area 10	100%	59%	96%	48%	71%	75%
Area 11	99%	77%	59%	64%	67%	73%
Area 12	98%	49%	88%	61%	68%	73%
Area 13	90%	58%	84%	52%	62%	69%
Area 14	98%	74%	93%	40%	36%	68%
Area 15	91%	49%	88%	44%	63%	67%
Area 16	97%	45%	71%	55%	64%	66%
Area 17	87%	49%	86%	51%	54%	66%
Area 18	98%	58%	91%	40%	40%	65%
Area 19	95%	55%	90%	29%	43%	62%
Area 20	74%	45%	73%	57%	61%	62%
Area 21	99%	55%	91%	21%	39%	61%
Area 22	73%	37%	63%	39%	51%	53%
Area 23	89%	68%	36%	29%	37%	52%
Area 24	69%	40%	55%	17%	18%	40%

Annex 7: Steps for investigation of low-performing lots

- Establish criteria for investigation after looking at point estimates and ranking the five main indicators by lot
 - Example: Several lots had high (>90%) indicators showing possibilities. Many had low indicators
- Be prepared to investigate lots with low indicators
- Generate preliminary hypotheses why certain lots were low:
 - Urban lots or insecure areas?
 - Last lots to receive nets? Etc.
- Conduct desk review
 - Look for data issues
 - Look for internal inconsistencies
 - Examine data by cluster
 - Triangulate with administrative data
 - Interview supervisors and other personnel

Calculation of indicators at higher (province, national) levels

- Inadequate statistical practice to calculate point estimate result without weighting at lot level. Should not just sum numerator and denominator variables and divide to get the percentage.
- Need to use statistical software to calculate confidence interval to account for clustering

NOTE:

- Confidence interval $>$ plus or minus 10% is problematic
- Confidence interval narrows as indicator approaches 90-100%

Example of “small sample survey” analysis above the lot level.

- All analyses above the lot level should be weighted at least by the population of the lot.
- Complex survey commands should be used in the analysis to account for weighting and clustering to get the “correct” point estimate and confidence interval.

Five main indicators, by state, LLIN campaigns implemented in 2022.

State	% HHs that received any campaign LLIN	% HHs that received correct number of campaign LLINs	% population access to ITNs	% persons that used an ITN last night	% children <5 years old that used an ITN last night
Delta	92%	60%	79%	51%	61%
Kaduna	94%	53%	82%	65%	78%
Kano	96%	59%	87%	77%	77%
Katsina	96%	57%	84%	66%	67%
Niger	99%	52%	86%	63%	70%
Taraba	100%	64%	87%	68%	79%
Yobe	98%	57%	89%	87%	91%
TOTAL	96%	57%	85%	68%	74%

Each “survey” and each indicator has its own design effect and width of the confidence interval (for levels above the lot)

Various indicators, by state, LLIN campaigns implemented in 2022.

State	Number of households (HHs) visited	Number of HHs with data	% of HHs with data	% HHs with correct number campaign LLINs	95% confidence interval	95% confidence interval half-width	Design effect
Delta	1,977	1,947	98.5	60	57-64	3-4	2.7
Kaduna	1,868	1,863	99.7	53	49-57	4	2.9
Kano	3,564	3,539	99.3	59	54-64	5	10.3
Katsina	2,799	2,782	99.4	57	54-61	3-4	3.6
Niger	2,044	2,027	99.2	52	48-56	4	3.2
Taraba	1,284	1,279	99.6	64	58-70	6	4.6
Yobe*	1,508	1,503	99.7	60	---	---	---
Total***	15,044	14,940	99.3	57	55-59	2	6.5

* Yobe state data missing cluster variable, therefore, confidence interval could not be calculated

** Analyses were weighted by LGA population, Nigeria Grid3 population data.

*** Total excluded Yobe

Q&A and discussion

Q&A Tracker

Participatory exercise 5

Please review [Worksheet exercise 5](#) and identify the:

- Cut off points for the three classifications (good, uncertain, inadequate)
- Decision rules to determine the levels of percentages to be classified as good, uncertain, inadequate and reduce misclassification errors
- Which lots have high indicators? Why?
- Which lots have low indicators? Why?
- What steps can be taken to investigate reasons why some lots have low indicators?



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Energizer: Alternative uses

- In three minutes, write down as many alternative uses for a paperclip (s) as possible

Different approach for in-and end-process assessments

In-process cLQAS

Campaign approach

Double-phase: assess HHR and vouchers
Single-phase: assess distribution of ITNs

In-process cLQAS operations

Sample only HHs in the area of work finished on Day 1 and Day 2 of the HHR double phase) or ITN distribution (single phase)
Objective is to find potential gaps in the work conducted on Day 1 & 2, and feedback findings to campaign leaders to make corrections

In-process sampling: Third Day Delay method

Propose to assess work of the HHR (dual phase campaign) or single-phase done just during the first two days of the campaign

Difficult to sample HHs on the same day as the work.

Recommend to sample HHs on Day 2 for work conducted on Day 1 and sample on Day 3 for work conducted on Day 2.

Analysis and feedback is conducted on both Day 2 and Day 3.



Details of Third Day Delay method sampling

- Assume that there is one two-person assessment team for each lot/district
 - Each team collects data on 10 HHs in one cluster on Day 2 and another 10 HHs from another cluster on Day 3
 - Mobile phone data is sent to server after each interview if possible
-

Details of Third Day Delay method sampling

On Day 2, draw a map of the area or areas covered by the HHR or ITN distribution teams during Day 1

Objective of the survey team is to identify a final segment with 15-25 HHs

Two scenarios

- Scenario 1: Work Area is all together in one place in the district on Day 1
- Scenario 2: There are several Work Areas (for example, several teams doing HHR or ITN distribution) in the district on Day 1

Details of Third Day Delay method sampling

On Day 2, draw a map of the area or areas covered by the HHR or ITN distribution teams during Day 1

Objective of the survey team is to identify a final segment with 15-25 HHs

Two scenarios

- Scenario 1: Work Area is all together in one place in the district on Day 1
- Scenario 2: There are several Work Areas (for example, several teams doing HHR or ITN distribution) in the district on Day 1

Details of Third Day Delay method sampling

- **Scenario 1.** Divide the area(s) into four or more equal-sized segments. Chose one segment by SRS. If segment is >15-25 HHs, then divide into 2, 3, or 4 equal segments and chose 1 segment, until a final segment with 15-25 HHs is selected.
- **Scenario 2.** Map or list the different areas in the district from Day 1. Choose one area using SRS (assume that the number of HHs are the same). For example, if there are between 2 and 10 work areas on Day 1, then choose one area using SRS. Then segment that area until you reach a final segment of 15-25 HHs.
- Once you identify the final segment of 15-25 HHs, follow the same procedures from the end-process section to collect data on 10 HHs

In-process analysis and response

Preparation for survey data analyst

- Must practice (using a practice dataset) how to quickly visualize and analyze mobile survey data from Day 2 and Day 3 of the survey
- Prepare an analysis plan
- A scripted data analysis app is optimal, but spreadsheets or other applications will work
- Must be prepared to work during the evening of Day 2 and Day 3
- Establish agreed communication protocol with the survey leader to determine modes and frequency of communication

Continuous analysis of incoming mobile data to detect potential household errors

When potential errors are detected, send immediately to the survey leader and WhatsApp group of campaign/HHR/distribution implementation supervisors

In-process analysis and response

- It is possible to calculate point estimates and confidence intervals for the main indicators at the higher levels (province, national) on both Day 2 and Day 3, but the first priority is to detect potential errors and feedback that info to the campaign leaders to make corrections
- A summary analysis can be written to include in the wrap-up meeting and report at the end of the assessment

ITN campaign assessment protocol

Note: Instructions to complete protocol sections are in Procedures Steps 2-10

Annex 12: Sample protocol

ITN campaign assessment protocol (example of table of contents)

Title page – logos, date of draft (**country specific**)

Table of contents

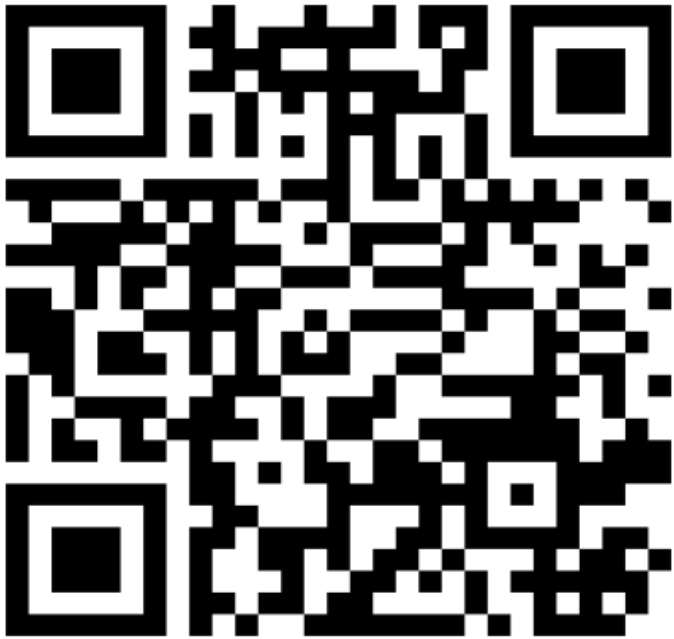
Acronyms and abbreviations

Glossary of terms

List of tables and figures

1. Protocol executive summary
2. Background
3. Assessment objectives and key indicators
4. Assessment design
5. Assessment staff, recruitment and training
6. Fieldwork
7. Data collection, management and analysis
8. Archiving and dissemination
9. Ethical considerations
10. Collaborators and funding mechanisms
11. Budget
12. Timeline
13. Annexes

Participatory exercise 6



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Training feedback

**Thank you for
participating today**

To wrap up, please
take a moment and
provide feedback

AMP training on cLQAS feedback
form





Thank you

Expanding the ownership and use of mosquito nets