



**Balaka District, Malawi**

**Post-Distribution Check-Up (PDCU)  
at 12 months**

**Dec 2014**

**PLANNING DOCUMENT**

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## **1. Purpose**

The PDCU, at the health centre (HC) level, assesses the level of continued net use and provides statistically significant and locally-actionable information to the relevant health/NMCP leaders, including The District health officer (DHO), Malaria Coordinator (MC), to contribute to health intervention decisions and planning. Timely data-based information on net use and condition can help in allocating resources to maintain high levels of coverage. There is some evidence that community-awareness of the PDCUs also contribute to behaviour change and higher levels of net hang-up and correct use.

The initial distribution of 154,230 LLINs took place between Sep and Nov 2013.

The first post-distribution check-up (PDCU-6) took place in April 2014.

## **2. Frequency**

Every six months until 30 months post-distribution. Further PDCUs will be assessed depending upon their usefulness, taking into account anticipated levels of community coverage and the timing of any subsequent community-wide universal coverage campaign.

## **3. Sample size**

5% of all households (HHs) that received nets in the universal coverage distribution are randomly-selected and visited unannounced.

## **4. Distribution catchment area**

Population: **388,992**

Number of Households (HHs): **90,406**

5% of households, to be visited: **4,530**

Number of Health Centre Catchment Areas (HCCAs): **14**

Average population per HCCA: **27,785**

Average number of HHs per HCCA: **6,458**

5% of HHs (average) per HCCA: **322**

## **5. Cost**

The budget cost is **US\$9,666**. Detailed budget attached.

Budget cost: **US\$2.13** / HH visited.

## **6. Information to be collected**

A half-page, six-question form focuses on net presence, use and condition. Appendix 1.

## **7. Collection format**

Data will be collected in paper form, two households per landscape A4 page.

## **8. Locations**

The survey will be conducted in all the 14 HCCAs in Balaka District. All were involved in the September to November 2013 universal coverage net distribution. In each HCCA a number of HHs will be visited representing 5% of the HHs in each catchment area (Range: 170 to 870, average 325) via selecting at random a number of villages and HHs for unannounced visits. In total, the PDCU will collect information from 4,530 households. Appendix 2.

## 9. Timing

The PDCU will start on 12<sup>th</sup> December 2014 and will be completed within 4 weeks.

## 10. Personnel

Project Leader (1): Management and overall responsibility, providing support to the Project Manager and reporting to AMF. Nelson Coelho, Project Coordinator, CU.

Project Manager (1): Management and overall responsibility, reporting to DHO, Ntcheu District and to the Project Coordinator. Chimemwe Nyoni, Project Manager, CU.

Field Supervisors (2): Responsible for monitoring the enumerators and checking their work. These will be senior members from the district including Environmental Health Officers.

Data collectors (10): Responsible for collecting household information. Work in pairs, 50 households per day. These will be selected health centre staff or Health Surveillance Assistants (HSAs).

Data clerks (2): Responsible for checking and entering data. Each will be assigned data from a set of HCCAs.

Drivers (2): There will be two vehicles involved in the exercise. Responsible for carrying personnel and materials to the field and to the data center.

18 personnel will be involved in the PDCU over four weeks.

## 11. Specific roles and responsibilities

### Project Leader

- Ensure all logistical arrangements for the survey have been put in place
- Monitor, mentor and advise the Project Manager
- Produce reports

### Project Manager

- Facilitate printing of questionnaires
- Liaise with Ministry of Health officials on sampling of villages and households
- Facilitate transport and booking of sampled villages
- Train and orient all the HSAs involved in the exercise
- Train and orient the data personnel

- Administer the survey process
- Collect and cross-check filled questionnaires from supervisors
- Submit filled questionnaires to the data clerks
- Facilitate availability of online internet accessibility for data capturing
- Liaise and monitor data capturing with data entry clerks
- Link data queries with supervisors for follow ups

### **Field supervisors**

- Facilitate and distribute questionnaires to the data collectors
- Facilitate identification of sampled households at village level
- Monitor how the data is being collected (quality, relevance and validity)
- Cross-check that forms have been correctly filled in by enumerators
- Respond to on-the-spot queries from both sampled communities and data collectors
- Visit 5% of households visited by each data collector to check data accuracy
- Submit filled forms to the team leader

### **Data collectors**

- Identify and verify households to be visited
- Collect data from households and complete questionnaires as required
- Verify the data collected is a true reflection of the situation
- Submit filled questionnaires to the supervisor

### **Data Clerks**

- Cross-check collected data
- Enter collected data correctly online
- Liaise with the team leader regarding any logistical challenges

## **12. Operations**

### **i) Establish responsibilities and schedule**

This includes management and personnel selection and establishing a project timeline.

### **ii) Brief all staff involved**

A one day PDCU orientation training will be carried out involving the enumerators and their supervisors who will be involved in the exercise. This exercise will cover how to collect and check the information required. The quantity of forms needed will be distributed at this briefing.

### **iii) Collect data**

Data collectors will visit HHs to collect data. Supervisors will monitor their work and check forms. This will ensure compliance with data collection procedures. Forms will be

sent to the central data-entry location as soon as the set of household forms from the HCCA is complete.

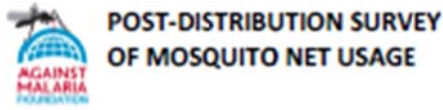
**v) Enter data**

Data will be entered from forms into an existing, online database. Four data entry clerks will start entering data on day 2 or 3 of the data collection phase and are expected to complete their work, including checking, within two weeks of the end of the data collection phase.

**vi) Report to DHO and health leaders and AMF**

All data will be available to the MC and AMF as they are entered. A summary will be sent to the MC and AMF as soon as all data is entered. The complete data set will be passed to the MC.

# Appendix 1 – Post Distribution Check-Up (PDCU) data collection form



Country:	Health Centre name:
Date of distribution:	Village name:
Reference:	Date of this survey:

Form Number:

To the Householder In the past, you received mosquito nets for free in a community distribution. We are conducting a survey of randomly selected households to assess net usage and net condition. We would like to ask for your permission to enter your home to gather this information. Information is gathered anonymously; your personal details are not recorded.

I agree to allow you to enter my home, in my presence, to assess the use and condition of my mosquito nets. Signature of Householder

1. How many regularly used sleeping spaces are there in the household?

2. What is the condition of the HUNG nets?

	Brand of net			Is it an AMF Net?	Net condition			How many slept under this net last night?				Net condition
	Open	Screen Net	Other		Very Good	OK	Poor	# Children Under 5	# Children 6 to 10 years	# Preg W	# Other adult	
Example	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1		1		Very Good fewer than 2 holes of less than 2cm each
Net 1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						OK fewer than 10 small holes
Net 2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						Poor more than 10 small holes or 1 big hole, larger than 10 cm
Net 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						If there are more than 10 nets continue on another form (and mark both forms).
Net 4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
Net 5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
Net 6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
Net 7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
Net 8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
Net 9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						
Net 10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>						

3. Of the Against Malaria Foundation nets ONLY:

Number originally received	Hung (* # ticked above)	Present but not hung *	Not present	
			Worn out	Other *

\* Reason:

4. Does the householder know how to hang and use a net correctly?  Yes /  No  
Please ask the householder to demonstrate how the nets are used at night if not obvious from the nets hanging.

5. How many people in this household have had blood-test diagnosed malaria in the last month?

6. How many people are there in this household?

CERTIFICATION:  
I certify the information in this form is correct

Surveyor's name and position:	Surveyor's organisation:	Official Stamp
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Please ask the householder to demonstrate how the nets are used at night if not obvious from the nets hanging.

5. How many people in this household have had blood-test diagnosed malaria in the last month?

6. How many people are there in this household?

## Appendix 2 - Health Centres and relevant numbers

DATA COLLECTION PLAN				VILLAGES											
#	Date	HEALTH CENTRE	# Vilgs	# HHs	HH/V	1	2	3	4	5	6	7	8	9	10
1	Tue-16-Dec-14	KALEMBO	10	320	32	MTELELA	CHITSEKO	MICHESI	MPANGO	MSUWO	CHIUNDU	MPEMBA	NSULU	LIJERA	MUSSA
2	Wed-17-Dec-14	NANDUMBO	6	210	35	TAMBALA	KWENJE	KAMWANA	MAJIKUTA	CHIYAKA	MAPIKO				
3	Thu-18-Dec-14	ULONGWE	6	180	30	KEFA	HOPA	CHIGWENEMBE	KUNENA	MKAMWANA	CHOKOLONGO				
4	Fri-19-Dec-14	MWIMA	10	300	30	HINDAHINDA	MILAMBE	CHIPYALI	MANDANDA	MWEMBE	CHOMBE 2	MAPANDO	WILLIAM	NAWONDWE	CHOPI
5	Sat-20-Dec-14	NAMANOLO	10	370	37	NG'OMBE	NTONYA	CHILEMBWE	CHIPATALA 1	DISSI 1	THUKUTA	KATAPILA	CHATAMA	MLENGA	MWALAEU
6	Mon-22-Dec-14	CHIYENDAUSIKU	6	170	28	MANGANI	CHIOZA	KADYALUNDA	TCHONGOZA A	TAMBALA	TCH Aidoni				
7	Tue-23-Dec-14	KWITANDA	10	300	30	NAILUWA NACHAMA	BWANALI	LAZARO	MPINGO	MWANDAMA	NDUTA	CHIMWALA NKULI	KUMBANGA	CH'NGONDO	MAKANDE
8	Wed-24-Dec-14	UTALE 2	7	200	29	CHIKONGA	MALOPA	MAGANGA	KANTWANJE	MAGOMBO	KUMWINJE	TABU			
9	Sat-27-Dec-14	PHALULA	9	280	31	CHIKAONEKA	CHITALE	KUNYANI	NJIRAYAGOMA	MAZENGA	CHITIMBE	LIMBANI	KUMKWAWA	CHANDIKOLA	
10	Mon-29-Dec-14	PHIMBI	10	310	31	MAGOMBO	KANYIMBO	MGOMWA 1	NJERENJE	MTSUKWA	MANDA	NAWETA	SEMANI	JAJUJENI	NTAJA
11	Tue-30-Dec-14	UTALE 1	6	180	30	MBIYA	NKAYA	MKOLOLA	NANDUMBO	JULIUS	CHINGAWA				
12	Wed-31-Dec-14	KANKAO	10	320	32	KACHOMBA	MPHENZI	TSANYAOVERA	MANJANJA	MADYERATU	CHINGAGWE	LAKALAKA	MKWEYA	CHIMPAKATINGWALU 2	SAKANENA
13	Fri-02-Jan-15	BALAKA D.H	18	870	48	KANYUMBAKA	ODILO	LUFEYO	MPEZENI	CHIMKWAKWA	KACHIKUNI	PIRITU	KAPILE VILLAGE	MBATAMIRA	NGWALO
						LUPANGA	CHIWAYA	MWALERO	NDOYA	MPONDA B	KANYOZA	MAJIGA 2A	MTALIKA	(18 vilgases total)	
14	Sat-03-Jan-15	MBERA	18	520	29	CHEMBERA	KABOTA	CHIGANGA	MASESE	AMINI	MAKUTU	PYOLI	HAMBAHAMB	MCERA	SANZA
						KIMU	MIZINGA	CHILOBWE	MBONGA	NAKHONYO	MPOSERA	MISOMALI	JERE	(18 vilgases total)	
		TOTAL	136	4,530	33										

DATA ENTRY WILL RUN CONCURRENTLY WITH DATA COLLECTION

NO.	ACTIVITY	December 2014 - January 2015													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	BRIEFING PDCU TO ENUMERTORS	12													
2	DATA COLLECTION	16	17	18	19	20	22	23	24	27	29	30	31	2	3
3	BRIEFING DATA ENTRY CLERKS	19													
4	DATA ENTRY	20	22	23	24	27	29	30	31	2	3	5	6		

12
16
19
20