



**Balaka District, Malawi**

**Post-Distribution Check-Up (PDCU)  
at 6 months**

**April 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 160,000 LLINs took place between Sep and Nov 2013.

## **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\$7,667**. Detailed budget attached.

Budget cost: **US\$1.70** / 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 11th April 2014 and will be completed within 4 weeks.

## 10. Personnel

Project leader (1): Management and overall responsibility, reporting to DHO, Ntcheu District and to AMF. Nelson Coelho, Project Manager, Concern Universal.

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 (4): 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.

19 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
- 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.

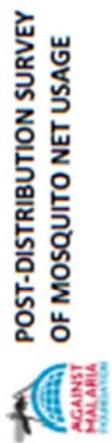
### **v) Enter data**

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

- How many regularly used sleeping spaces are there in the household?
- What is the condition of the HUNG nets?

Name of net	In use (tick one)		Net condition		How many slept under this net last night?		Net condition
	Original	Other	OK	Poor	# Children under 15	# Hung or worn out	
Example	<input type="radio"/>	1	Very good fewer than 2 holes of less than 2cm each				
Net 1	<input type="radio"/>						
Net 2	<input type="radio"/>						
Net 3	<input type="radio"/>						
Net 4	<input type="radio"/>						
Net 5	<input type="radio"/>						
Net 6	<input type="radio"/>						
Net 7	<input type="radio"/>						
Net 8	<input type="radio"/>						
Net 9	<input type="radio"/>						
Net 10	<input type="radio"/>						

### 3. Of the Against Malaria Foundation nets ONLY:

Number originally received	Hung (+ ticked above)	Present but not hung	Not present
	+	+	+
Reasons:			

- Does the householder know how to hang and use a net correctly? Please ask the householder to demonstrate how the nets are used at night if not obvious from the net hanging.
- How many people in this household have had blood-test diagnosed malaria in the last month?
- 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 organization:

Form Number:

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Net 7	<input type="radio"/>						
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CERTIFICATION: I certify the information in this form is correct

Surveyor's name and position:

Surveyor's organization:

Official Stamp:

## Appendix 2 - Health Centres and relevant numbers

Health Centre	Total Number of Villages	Number of households	Population	Number of sleeping spaces	Usable LLIN in place	Nets required	Nets distributed	Gap	Mop-Up Nets	Final Total	5% of HHs (rounded)	# Villages if min of 25 HHs per village, max 10 villages	Number of HHs per village
1 Balaka D.H.	104	17,436	76,891	45,579	22,435	21,722	18,870	2,852	7,660	29,382	870	10	87
2 Chiyendausiku	39	3,337	13,897	8,208	2,099	6,131	6,070	61		6,131	170	7	24
3 Kalemba	40	6,364	25,947	15,856	3,773	12,100	11,727	373	394	12,494	320	10	32
4 Kankao	84	6,398	26,826	15,269	4,070	11,220	11,019	201		11,220	320	10	32
5 Kwitanda	66	6,046	26,321	15,317	7,816	8,551	8,361	190	67	8,618	300	10	30
6 Mbera	177	10,384	46,252	26,249	7,145	19,092	19,033	59	709	19,801	520	10	52
7 Mwima	58	6,076	23,032	14,620	4,133	10,494	10,103	391	274	10,768	300	10	30
8 Namanolo	31	7,324	34,504	21,549	6,653	14,392	12,808	1,584		14,392	370	10	37
9 Nandumbo	28	4,277	18,348	11,182	3,334	7,947	7,510	437		7,947	210	8	26
10 Phalula	64	5,629	24,535	14,718	5,066	9,638	9,133	505		9,638	280	10	28
11 Phimbi	81	6,112	25,060	14,288	4,550	9,749	9,232	517		9,749	310	10	31
12 Ulongwe	26	3,575	15,492	8,965	3,816	5,150	5,115	35		5,150	180	7	26
13 Utale 1	32	3,518	14,669	8,653	2,750	6,065	6,020	45	620	6,685	180	7	26
14 Utale 2	39	3,930	17,218	9,934	2,636	7,408	7,320	88		7,408	200	8	25
<b>TOTAL</b>	<b>869</b>	<b>90,406</b>	<b>388,992</b>	<b>230,387</b>	<b>80,276</b>	<b>149,659</b>	<b>142,321</b>	<b>7,338</b>	<b>9,724</b>	<b>159,383</b>	<b>4,530</b>	<b>127</b>	<b>36</b>
<b>Average/HCCA</b>	<b>62</b>	<b>6,458</b>	<b>27,785</b>	<b>16,456</b>									

#	Date	HEALTH CENTRE	VILLAGES													
			# Vllgs	# HHs	HH/V	1	2	3	4	5	6	7	8	9	10	
1	Mon-14-Apr-14	BALAKA D.H	10	870	87	Chipote	Kalemba	Kapile village	Mackenzie	Mangombo	Mgawanyemba	Mtalika	Ngvalo	Simoni		
2	Tue-15-Apr-14	CHIYENDAUSIKU	7	170	24	Chikwasa	Kadyalunda	Kambaadi	Laudoni	Mathuwa	Molosi					
3	Wed-16-Apr-14	KALEMBO	10	320	32	Masiya	Kalembo 1	Nonda	Michesi	Msuwo	Peter Kasenga	Amusa	Kuntiani	Moyoya		
4	Thu-17-Apr-14	KANKAO	10	320	32	Bauleni	Chimpakati	Kankao	Maganga	Marjanja	Mkweya	Ngwalu 2	Sakanena	Wanjje		
5	Fri-18-Apr-14	KWITANDA	10	300	30	Bakili	Chilumba	Jalosi	Katuma	Makande	Mpembeza	Nailuwa centre	Namputu	Sitima		
6	Sat-19-Apr-14	MBERA	10	520	52	Abudu	Chembera	Jerald	Katuma	Likwakwala	Mbonga	Mpalasa	Ngwangwa	Simbota		
7	Mon-21-Apr-14	MWIMA	10	300	30	Hindhinda	Chibwana	Chitalo 1	Magombo	Mpando	Mtenga	Namondwe 2	Nyanga			
8	Tue-22-Apr-14	NAMANOLO	10	370	37	Chasochira	chloboto	Dizi 1	Mdala 1	Mlenga	Mmaraga 3	Mwalabu	Ngombe	Nzamat 2		
9	Wed-23-Apr-14	NANDUMBO	8	210	26	Bimbi	Chiyaka	Kallimila	Majikuta	Maninji	Mdoka	Iy gulula	Mwerha	Phalula		
10	Thu-24-Apr-14	PHALULA	10	280	28	Ayanjaawo	Chandikola	Govati	Kavala	Limbani	Mkwezalamba	Mulakho	Mwerha	Phalula		
11	Fri-25-Apr-14	PHIMBI	10	310	31	Alli	Chimimba	Chisoni	Jiya	Manda	Mgomwa 1	Mwaliyala	Ntaja	Zalimu II		
12	Sat-26-Apr-14	ULONGWE	7	180	26	Chigwenembe	Chindiditi	Hoba	Kunena	Mbava	Ng'ombe					
13	Mon-28-Apr-14	UTALE 1	7	180	26	Bameyani	Bonongwe	Jedeni	Kamowatimwa	Manyoni	Mkaya					
14	Tue-29-Apr-14	UTALE 2	8	200	25	Chikonga	Chilimba	Demeter Estate	Kantwanje	Maganga	Mbaza	Nrandiwa				
		<b>TOTAL</b>	<b>127</b>	<b>4,530</b>												

