



Balaka District, Malawi

**Post-Distribution Check-Up (PDCU)
at 18 months**

July 2015

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\$10,149**. Detailed budget attached.

Budget cost: **US\$2.24** / 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 1st July 2015 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

- Provide a list of HHs to be visited by each data collector (main) and each data collector (checking)
- 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
- Work with Project Manager to provide a list of HHs to be visited by each data collector (main) and each data collector (checking)
- Submit filled forms to the project manager

Data collectors - Main

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

Data collectors - Checking

- Visit 5% of households visited by each of the main data collectors to check data accuracy
- Identify and verify households to be visited
- Collect data from the sampled households and complete questionnaire as required
- Verify the data collected is a true reflection of the situation
- Submit filled questionnaire to the supervisor

Data clerks

- Cross-check collected data
- Enter collected data correctly online
- Liaise with the team leader regarding any logistical challenges
- Enter data from Data Collectors (checking) so separately identifiable and check against data from Data Collectors (main) can be made

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



POST-DISTRIBUTION SURVEY OF MOSQUITO NET USAGE

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 <input type="checkbox"/> Open <input type="checkbox"/> Perme Net <input type="checkbox"/> Other			Is it an AMP Net? <input type="checkbox"/> Yes <input type="checkbox"/> No	Net condition <input type="checkbox"/> Very Good <input type="checkbox"/> OK <input type="checkbox"/> Poor			How many slept under this net last night?			Net condition Very Good fewer than 2 holes of less than 2cm each OK fewer than 10 small holes Poor more than 10 small holes or 1 big hole, larger than 10 cm if there are more than 10 nets continue on another form (and mark both forms).
	# Children Under 5	# Children 6 to 12 years	# Preg W		# Other adult						
Example	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	
Net 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Net 10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

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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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	Kalembo	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
	TOTAL	869	90,406	388,992	230,387	80,276	149,659	142,321	7,338	9,724	159,383	4,530	127	36
	Average/HCCA	62	6,458	27,785	16,456									

July 2015							
NO.	Activity	Mon	Tues	Wed	Thurs	Fri	Sat
1	Briefing		7				
2	Data Collection			8	9	10	11
		13	14	15	16	17	18
		20	21	22	23		
3	Data Entry						11
		13	14	15	16	17	18
		20	21	22	23	24	25
4	Report Writing	27	28	29			

				VILLAGES										
#	Health Centre	# of villages sampled	5% of households	# of HHs per Village	1	2	3	4	5	6	7	8	9	10
1	Balaka DH	30	870	29	Kabango	Kainga	Zammimba	Malakata 2	Matola	Bruce	Chimatiro	Uli	Chintendere	Kapasule
					Mandevu	Golowa	Magombera	Njopilo	Hanjahanja	Mbodzole	Dulani	Mchisa	Mtende	Chikondi
					Mlandula	Chiping	Kanyama	Mponda A	Chewadi	Sosola B	Ng'onga	Saidi	Misombali	Ngaliche
2	Chiyendausiku	7	168	24	Mmangeni1	Saiwa 1	Kuntere	Kanjovu	Msamanyada	Kaipekunja	Million			
3	Kalembo	10	320	32	Mtambalika	Masambuka	Kalembo 2	Chikoko	Mkweta	Makande	Mluma	Chesani	Makwinja	Batumeyo
4	Kankao	10	320	32	Masenjere	Mbeta	Namitumbu	Chimphonde	Malopa	Thamanda	Chimbalanga	Chiyembekezo	Mitochi	Mulunguzi
5	Kwitanda	10	300	30	Chingota	Gwaladi	Kampeni	Malichi	Chibwana	Ojesi	Nkuli	Thamangiwa	Kamaliza	M'bobo
6	Mbera	20	520	26	Chagomerana	Chilimani	Kukada	Chpojola	Mwelabu	Kaisi	Chongolera	Zalengera	Chikamana	Minama
					Muotcha	Lemu	Mpamasi	Makwana	Maere	Mpoto	Amanu	Kamwendo	Mkalawire	Silika
7	Mwima	10	300	30	Mtende	Chamba	Safali	Mdenga 1	Chombe 1	Ngasale	Mphanje	Mtole	Chitewere	Kimu
8	Namanolo	10	370	37	Katundu	Nsamati	Chipatala 2	Kalambo	Mdala 2	Mtimbuka	Mpata	Wala	John wasili	Matembera
9	Nandumbo	8	208	26	Nandumbo	Maselema	Lingwangwa	Milala	Mkota	Maela	Makunganya	Nyang'wa		
10	Phalula	10	280	28	Boazi	Nyanyala	Nkhanda	Mbengo	Mpandason	Tsite	Thundu	Chiwengena	Vuvuta	Chikondi
11	Phimbi	10	310	31	Austine	Chikapusa	Lupembe	Zidyana 2	Singano	Njovuyalema	Matekesa	Mbuwambuwa	Mussa	Yasini
12	Ulongwe	7	182	26	Chingwalungwalu	Kabiyo	Mmaniwa	Nkanda	Ndembwe	William	Mwamadi			
13	Utale 1	7	182	26	Nsoma	Goliati	Malikula	Naweta	Sidreck	Eneya	Kadammanja			
14	Utale 2	8	200	25	Maduwani	Wiliki	Mphepo	Dodoma	Utale	Gambe	Manyonga	Misomali		
		157	4,530	28.71										