Ntcheu District, Malawi

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

Planning Document

June 2016

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Post Distribution Check-Up (PDCU) of net use and condition

Location: Ntcheu District, Malawi
Date: June 2016
Type: 6 Months Post-Distribution
Initial Distribution: February 2016

1. PURPOSE

The PDCU, at the health center (HC) level, assesses the level of continued net usage 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 behavior change and higher levels of net hang-up and correct use.

2. FREQUENCY

The PDCU is conducted every six months, until 30 months of post-distribution. Further PDCUs would 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 Ntcheu, February 2016 Universal Coverage Distribution are randomly selected and visited unannounced per health catchment area.

4. DISTRIBUTION CATCHMENT AREA

Population: **724,511**
Number of Households (HHs): **162,934**
Number of Traditional Authority (TA) areas: **9**
Number of Health Centre Catchment Areas (HCCAs): **39**
Average population per HCCA: **18,577**
Average number of HHs per HCCA: **4,177**

5. COST

The budget cost is **US$17,788**

6. INFORMATION COLLECTED

A half-page, six-question form focuses on identifying the sleeping spaces present on the household, net presence, use and condition and how many people are present in the household and how many had blood test diagnosed malaria, See Appendix 1.

7. COLLECTION FORMAT

Sampled household data will be collected in paper form, two households per landscape A4 page.

8. LOCATIONS

The survey will be conducted in all the 39 HCCAs under Ntcheu District Assembly that were involved in the February 2016 universal coverage net distribution. In each HCCA a number of HHs will be visited representing 5% of the HHs in each catchment area (Range: 75 to 750, average 224) via selecting at random a number of villages and HHs for unannounced visits. In total, the PDCU will collect information from 8,750 households. See Appendix 2.

9. TIMING

The PDCU will start on the 22nd June 2016 and will be completed within 4 weeks with the enumerators collecting data from at least one health facility per day.

10. PERSONNEL

Project leader (1): Management and overall responsibility; provide guidance and support to the Project Manager and reporting to AMF. Nelson Coelho, Malaria Unit Manager, Concern Universal.

Project Manager (1): Operational management and overall responsibility, reporting to District Health Officer (DHO), Balaka District and to the Malaria Unit Manager. Chimwemwe Nyoni, Project Manager, Concern Universal.

Field Supervisor (2): Responsible for monitoring the enumerators and checking their work. These will be senior members selected from the district namely the Malaria Coordinator, ITN Coordinator or the Environmental Health Officer.

Enumerators (Data collectors) (20): Responsible for collecting data from the randomly selected households. Each enumerator will be accompanied by the HSA responsible for the village being visited. The enumerators are selected hired and trained by CU.

Data clerks (3): Responsible for checking and entering data into the database on the online web link. Each of the data clerks will be assigned data of a particular health centre catchment area.

Drivers (2): Two vehicles will be involved in the data collection exercise. These vehicles will be used for carrying personnel and materials to the field and to the data center.

29 personnel will be involved in the PDCU over Four weeks.

11. SPECIFIC ROLES AND RESPONSIBILITIES

Project leaders

- 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 enumerators, HSA and senior supervisors 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 enumerators
- 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 enumerators
- Visit 5% of households visited by each enumerator to check data accuracy
- Submit filled forms to the team leader

Enumerators

- 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.

iii) *Collect data*

Enumerators will visit a sampled HHs to collect data. The required forms will be distributed on a daily basis. Supervisors will monitor the work of the enumerators and check the completed filled forms. This will ensure compliance with data collection procedures. Forms will then be sent to the central data-entry location as soon as the set of household forms from the HCCA is complete.

iv) *Enter data*

Collected data will be entered from forms into an existing, online database. Data entry clerks will start entering data as soon as a sufficient number of forms is collected and equally distributed amongst them. A data officer will be responsible for monitoring, supervising and providing technical assistance and ensure the work is completed, including checking, within two weeks of the end of the data collection phase.

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

Upon completing entering the data, all data findings will be presented to the Malaria Coordinator and AMF. A summary has will be sent to the Malaria Coordinator and AMF as soon as all data is entered. The complete data set will be shared with the District Malaria Coordinator.

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

POST-DISTRIBUTION SURVEY OF MOSQUITO NET USAGE
AGAINST MALARIA FOUNDATION

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 (tick one) Dryel / Permanet / Other			Is it an AMF Net? ☑	Net condition (tick one) Very Good / OK / Poor			How many slept under this net last night? # Children Under 5 / # Children 6 to 18 years / # Preg W / # Other adult				Net condition
Example	O	☑	O	☑	☑	O	O	1			1	Very Good fewer than 2 holes of less than 2cm each
Net 1	O	O	O	☐	O	O	O					
Net 2	O	O	O	☐	O	O	O					OK fewer than 10 small holes
Net 3	O	O	O	☐	O	O	O					
Net 4	O	O	O	☐	O	O	O					Poor more than 10 small holes or 1 big hole, larger than 10 cm
Net 5	O	O	O	☐	O	O	O					
Net 6	O	O	O	☐	O	O	O					
Net 7	O	O	O	☐	O	O	O					If there are more than 10 nets continue on another form (and mark both forms).
Net 8	O	O	O	☐	O	O	O					
Net 9	O	O	O	☐	O	O	O					
Net 10	O	O	O	☐	O	O	O					

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

Against Malaria Foundation www.AgainstMalaria.com   100% of our funds buy nets, they are put over heads and beds and we demonstrate that has happened.

Appendix 2 - Health Centres and relevant numbers

	Health Centre	Registered Households (HHs)	Total Registered Villages	Villages to be sampled	% of Villages	HHs sampled per village	# of HHs to be visited	% of HHs
		LIST OF HOUSEHOLDS PER HEALTH CENTRE						
1	BILILA H.F.	10,449	49	20	41%	25	500	4.8%
2	BIRIWIRI H.F	3,970	22	8	36%	25	200	5.0%
3	BWANJE H.F.	9,135	38	20	53%	25	500	5.5%
4	CHAMPITI H.F.	2,725	23	6	26%	25	150	5.5%
5	CHIGODI H.F.	3,367	16	8	50%	25	200	5.9%
6	CHIKANDE H.F.	4,275	28	10	36%	25	250	5.8%
7	CHIKOWA	1,031	9	2	22%	25	50	4.8%
8	CHIOLE H.F	1,949	12	4	33%	25	100	5.1%
9	DOVIKO H.F.	1,702	9	4	44%	25	100	5.9%
10	DZONZI MVAI H.F.	1,034	8	3	38%	25	75	7.3%
11	DZUNJE H.F	8,672	43	17	40%	25	425	4.9%
12	GOWA H.F.	3,669	25	8	32%	25	200	5.5%
13	KALIMANJIRA	2,668	14	6	43%	25	150	5.6%
14	KAMPANJE H.F.	2,583	17	6	35%	25	150	5.8%
15	KANDEU H.F.	5,855	35	12	34%	25	300	5.1%
16	KAPENI H.F	2,582	22	6	27%	25	150	5.8%
17	KASINJE H.F.	14,259	181	30	17%	25	750	5.3%
18	KATSEKERA H.F.	3,951	21	8	38%	25	200	5.1%
19	LAKE VIEW H.F.	2,294	11	5	45%	25	125	5.4%
20	LIZULU H.F.	4,254	23	10	43%	25	250	5.9%
21	MANJAWIRA H.F.	1,861	9	4	44%	25	100	5.4%
22	MASASA H.F.	1,650	11	4	36%	25	100	6.1%
23	MATANDA H.F.	2,325	13	5	38%	25	125	5.4%
24	MATCHEREZA	1,745	15	5	33%	25	125	7.2%
25	MIKOKE H.F.	1,733	11	4	36%	25	100	5.8%
26	MLANDA H.F.	1,935	17	4	24%	25	100	5.2%
27	MLANGENI H.F.	1,764	9	4	44%	25	100	5.7%
28	MPHEPOZINAYI H.F.	7,552	47	15	32%	25	375	5.0%
29	MULUMA H.F.	1,658	15	4	27%	25	100	6.0%
30	MZAMA H.F.	2,994	20	6	30%	25	150	5.0%
31	NAMISU	1,128	9	3	33%	25	75	6.6%
32	NSIPE H.F.	6,091	36	13	36%	25	325	5.3%
33	NSIYALUDZU H.F.	9,110	52	20	38%	25	500	5.5%
34	NTCHEU D.H.,	12,379	61	25	41%	25	625	5.0%
35	NTONDA H.F.	2,938	22	6	27%	25	150	5.1%
36	PHANGA H.F.	1,220	12	3	25%	25	75	6.1%
37	SENZANI H.F.	3,121	14	7	50%	25	175	5.6%
38	SHARP VALLEY H.F.	6,497	34	15	44%	25	375	5.8%
39	TSANGANO H.F.	4,809	24	10	42%	25	250	5.2%
	TOTAL	162,934	1,037	350			8,750	5.4%
	Averages	4,178	27	9	34%	25	224	5.4%
		HHs per HC	Villages/HC	#Villages to visit	% Villages to visit	HHs/Village	#HHs/HC to visit	CHECK

DATA COLLECTION PLAN

VILLAGES

DAY	HEALTH CENTRE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	TSANGANO	Kabango	Gochi 1	Kankhuni 1	Mdzawira 2	Chabonga	Bayani	Makwangwala 1	Dzinjiliza 2	Chimowa	Katsala 2										
2	DOVIKO	Laiti	Kabango 2	Chiwaya B	Kankhuni 2																
3	MATANDA	Goli	Kafumbata	Thema	Mtengo wabondo	Gwaza 1															
4	KATSEKERA	Biliati	Nenani	MUUSO	Chauluka	Chiseme	Kandoma 2	Lindani	Bayani												
5	MZAMA	Hoda	Malili	Liyada	Mpando	Madana	Chingoni														
6	DZONZI MVAI	Ben GOLOMBE	Songaya	Davide																	
7	NTCHEU D.H.	Kanzingeni 1 ziipilana	Gondoya Gumbu	thewa Kasale 1	Gomeza Chibondo	Gwaza Chimalizeni	Khangamwa	Eneya 4	Eneya 1	Nenekeza	Kandota	chitetete	Kachimanga	Baleni	Bonga	Nkhande	Chambwin	Dzoole 1	Knajati	Machila	Chinyamula 1
8	CHIOLE	Mkolimbo	Kampanje	Zioya	Chimasula																
9	DZUNJE	Ching'ombe	Hawilani	Binya	Odala	Siliya	Kawere	Chikala	Khuzi	Sanyani	Kalimwayi	JOLIJO	Hauya	Mpando	Wanyemba	Chilumo	Lipenga	Pitala			
10	NSIPE	Zidana	Bula	Gwedeza	Nkonde	Kambizi	Chiepa	Sulo	Zalengera	Pheza	Damsoni	Kapalamula	Yendayenda	Khozi							
11	CHAMPITI	Wanyemba	Nzililongwe	Gilison ziyaya	Kaombe	Ganya	Maluka														
12	KAPENI	Kachule	Hauya	Chikadabwa	Kabango	Kanzati	Mbemba														
13	CHIKOWA	Phuka	Kainga																		
14	NTONDA	Lazalo	Bwenje 2	Faiti	Kanzinda	Matale	Mbweza														
15	NAMISU	Mwenje	Kanama	Jenya																	
16	MATCHEREZA	Kasinja	Nsenjere	Howa	Chalunda	Biliwita															
17	SENZANI	Chipini	Ngomba	Masunda 1	Matale 3	Ebulo	Chikhasu	Matale 2													
18	MIKOKE	Kasisi 1	Tsikulamowa	Kandota	Njunga 1																
19	MANJAWIRA	Chagoma	Kawala 1	Kanyemba	Njunga 2																
20	NSIYALUDZU	Goveya	Chauluka 1	Chisasa	Adam	Helan	Kafantipite	Gomeya 2	Kabwazi	Chimdakazi	Chauluka 2	Pembereka	Eliya	Dinala	Makokola	Tcheza	Dinala	Siliya	Balaka 2	Kuyenda	Bubuya
21	CHIKANDE	Buluwesi	Namboya	Magombo	Biliati	Chisoni	Kateza	Gomile	Black	Matekera	Mponya										
22	KALIMANJIRA	Bemerani	Kaliza	Funsani	Kaweya	Sande	Tapani 1														
23	BILILA	Chauluka	Chapola	Tsamba	Chimkondenji	Solomoni	Katoleza	Tambala	Chinyama	Hauya	Nanjiri	Pengapenga	Kalumba	Chisonthe	Chimbalala 1	Kukhola	Mtalika	Kalata	Khomera 1	Kuminga 2	Kuyamba
24	BWANJE	Nkhwani 1	Chikadya Centre	Hoda	Chitsulo	Chimwala	Mawira	Chikadya 3	Ching'amba	Chawanja 1	Chawanja 2	Chiwiza	Mphoola	Sande	Chikondi	Kalolo	Kapasule	Nankhomb	Thokozani	Masalawat	Mwaiwadza
25	SHARPVALE	Ching'amba	Zalengera 2	Bisiel	Saiti 2	Agabu 1	Chigwembere	Motisa	Biziwiki	Kapote	Benesi 1	Ndembo 1	Kulanga 1	Salota	Chayela	Zalengera 3					
26	KASINJE	Yesaya Malowa	Chiwembu Asani	Chipula Menyani	Foso Njerema 1	Khwiya Mbululu	Folotiya Kapulura	Joswa Chembe	Nasala 2 Jolijo	Thunga 2 Saitema	Kasonya Donyo	Thundu	Jonathan	Solomoni	Namale	Phale	Binala	Ndasauka	Mandala	Sesani	Dzinyenyero
27	PHANGA	Lazalo	Kadzungu 2	Kachiwenga																	
28	CHIGODI	Zintambira	Gidion	Zuze	Chipojola	Namale	Chalera	Chinguwo	Saonanjala												
29	KANDEU	Thuta	Safuyama	Mathotho	Sitolo	Zaunda	Mmanja	Matewere	Kalipande	Muuso 2	Chatchuka	Nandaya	Chawoyoka								
30	MPHEPOZINAYI	Magola	Kazembe	Mapazi	Potolani	Zuze	Daule	Devete	Kadwala	Kamtsitsi	Chimpuza	Fasi	Msungo	Jowelo	Matalala	Zande					
31	MULUMA	Mlozanyama	Ndombo	Kadam'manja	Zakazaka																
32	GOWA	Daudi	Kadzombe	Zimenyana	Likumbo	Zidana	Kamwiri	Makala	Nzangayu												
33	KAMPANJE	Kanjuzi	Chituku	Mabema	Selemani	Mitchi	Zoyeyana														
34	BIRIWIRI	Haisa	Zangwagwa	Chipusire	Maonga	Ngalande	Unyolo	Kasamba	Galeta												
35	MLANGENI	Kalazi A	Donda	Thanganyika	Julius																
36	LAKEVIEW	Njolomole 2	Mphoyo	Kabwazi	Thom	Kalitsiro 1															
37	LIZULU	Kalilombe	Chinkwita	Mzamani 2	Gambatula	Gwagwa	Mapila	Hauya	Nyasa	Kawere	Mkolimbo 2										
38	MLANDA	Dzenyani	Chiphikira	Mtambalika	Beka																
39	MASASA	Chimvula	Kampanikiza	Zilamulira	Kadambo																

Ntcheu 6 months PDCU - Timeline

No.	ACTIVITY	June-16		July-16			
		20	27	4	11	18	25
1	Briefing of enumerators and supervisors	▓					
2	Data collection	▓	▓	▓	▓		
3	Data entry				▓	▓	▓
4	Report writing						▓