



Dowa District, Malawi

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

December 2016

REPORT

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1. Purpose

The PDCU, at the health center (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 contributes to behavior change and higher levels of net hang-up and correct use.

In Dowa district, the universal coverage distribution of nets was carried out from November 2014 to May 2015 and 316, 196 LLINs were distributed. A mop up distribution of 71,039 LLINs was conducted in the remaining 3 health facilities of Nalunga, Matekenya, Msakambewa and some villages in the district. In total, 387,235 LLINs were distributed in the district.

This PDCU would provide data and help determine the timing of the next district-wide mass distribution campaign. The National Malaria Strategic Plan recommends that mass LLIN Distribution campaigns should be conducted after every 3 years in order to achieve the expected coverage

2. Frequency

The surveys are conducted every six months until 30 months post-distribution. Subsequent PDCUs will be conducted depending upon their usefulness, taking into account anticipated levels of community coverage and the timing of the next 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: **801,680**

Number of Households (HHs): **182,828**

5% of households, to be visited: **9,166**

Number of Health Centre Catchment Areas (HCCAs): **23**

Average population per HCCA: **34,855**

Average number of HHs per HCCA: **7,949**

5% of HHs (average) per HCCA: **398**

5. Cost

The budget cost is **US\$13,158**.

6. Information collected

A half-page, six-question form focuses on identifying the sleeping spaces present in 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 B.

7. Collection format

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

8. Locations

The survey was conducted in all 23 HCCAs under Dowa District Assembly that were involved in the March to May 2015 universal coverage net distribution. In each HCCA a number of HHs were visited representing 5% of the HHs in each catchment area (Range: 140 to 1,156, average 398) via selecting at random a number of villages and HHs for unannounced visits. In total, the PDCU collected information from 9,157 households. See Appendix A for detailed locations and timeline.

9. Timing

The PDCU started on the 7th November 2016 and was completed within 4 weeks, with the enumerators collecting data from at least one health facility per day. See Appendix A.

10. Personnel

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

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

Field Supervisor (2): Responsible for monitoring the enumerators and checking their work. These were 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 was accompanied by the HSA responsible for the village being visited. The enumerators were selected hired and trained by CU.

MIS/Data officer (1): Responsible for supervising and mentoring the data entry clerks and monitor the online database.

Data clerks (2): Responsible for checking and entering data into the database on the online web link. Each of the data clerks was assigned data of a particular health centre catchment area.

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

29 personnel were 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

MIS/Data Officer

- Supervise and mentor the data entry clerks
- Monitor online data entry

- Liaise with the team leader regarding any logistical challenges

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 included management and personnel selection and establishing a project timeline.

ii) Brief all staff involved

A one day PDCU orientation training was carried out involving the enumerators and their supervisors who were involved in the exercise. This exercise covered how to collect and check the information required.

iii) Collect data

Enumerators visited sampled HHs to collect data. The required forms were distributed on a daily basis. Supervisors monitored the work of the enumerators and checked the completed filled forms. This was to ensure compliance with data collection procedures. Forms were then sent to the central data-entry location as soon as the set of household forms from the HCCA was complete.

iv) Enter data

Collected data were entered from forms into an existing, online database. Data entry clerks started entering data as soon as sufficient number of forms were collected and equally distributed amongst them. A data officer was responsible for monitoring, supervising and providing technical assistance and ensures the work was 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 were presented to the Malaria Coordinator and AMF. A summary was sent to the Malaria Coordinator and AMF as soon as all data were entered. The complete data set were shared with the District Malaria Coordinator.

13. Results and discussions

- 9,157 HHs visited (5% of the HHs that received nets in the original distribution)
- 17,553 nets checked
- 60 % of the nets were found to be hung and in use. This is a good hang-up level.

- 33% of the nets were found to be in ‘very good condition’ (fewer than 2 holes of up to 2cm in size), 25% ‘Good’ (fewer than 10 small holes on them) and 14% in ‘viable’ condition, (although with more than 10 holes or 1 hole larger than 10 cm), while 28% were worn out. The viable sleeping space coverage was therefore 60%.
- The survey found 17% of those using the nets were children under 5 years, while 32% were children, 2% were pregnant women and 49% being adults.
- Condition of the nets compared to expectation: Acceptable.

See Appendix C for detailed results and findings.

14. Recommendations

- Post distribution sensitization meetings should be conducted to remind the beneficiaries on the best ways of taking care of the nets and net utilization.
- Distribution of LLIN through an ‘injection strategy’ is recommended in order to increase the coverage level, which is currently at 60%.

Appendix A – Data collection locations and timeline (2 pages)

DATA COLLECTION PLAN																					
VILLAGES																					
#	HEALTH CENTRE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Bowe	chitofu	marko	chikulu	mayani	chinkoka	beleke	pedzayani	mashatira	gunda	gaveni										
2	Chakwaza	chilawo	mataka	bondo	simokophandwelisa	chikomangalo	jolofesi	siwula	cheza	mpozera											
3	Chankhungu	chalanda	jeki	mtumodzi	cheyo	luwera	kathewera	mtsiriza	kadzomba	ndongo	kamtsikiri										
4	Chezi	chezi 3	mdazizira	ngwere	mdoola	jojo	mdini	kwanje													
5	Chinkhwiri	mbeleketete	lipempe	kaliza	chikhobwe	mlembo	kadzimete	vikumbu	nyonyo												
6	Chisepo	chitsuka	chasete	kasatsi	chaziya	mphepo	elisa	mologeni	chamkakala	kaswamiyala	chipato	mpanji	guma								
7	Chizolowondo	kakuta	kabwinja	mkanire 2	kapalanga	chazinga	magantha	kammata													
8	Dowa DHO	dzonzi	gomba	mntsitsi	mdzikometsa	pemba	jonasi 2	chimeto	mnthandato	machake	chimbetete	dzungu	sasani	makhambira	kasitu	kaluzi	masocha				
9	Dzaleka	kanyambo	blantyre 1	kataika	lisungwi	chinkhwiri	kalemba	minju	kalinde	zikapanda	makumbi	chimbabanga	thotho	mbalame 2	zidunge	ndalamika	bwemba	changamire	kakunguni	mphindangom	lilambwe
10	Dzoole	mandala	naombwa	chiponda	kawamba	nyanda	chima	chisanja	chibzoza	kapindi	kuphera	wiscot	mndiro	kalongola	nthodowa	mtenzi 1					
11	Kasese	kachala	chimwendo	bweya	mwambutsa	sungwani	chinguwi	khonkhiwa	mphandukira	chilumpha	makombwa 1	ngoma									
12	Kayembe	chiwala	mbalami	ngombe	chiponda	mbunjika	msinjidwa	chiphule	kamoto	mtenzi	chideza	mangochi 1	kambalima	msokola	chadzunda	kutontha 2					
13	Madisi	fulatira	million	kawerama 4	lipenga	chikwandara	kapudzula	katukumuka	kawerama 2	bekani	katondo	mzowa	kaomba	mwangala	mkodzo						
14	Matekenya	mangulu	kalumapadzala	dongolosi	mgombe	chikoya															
15	Mbingwa	chikhazika	chigule	kunkhulire	kamenyako	chimpeni	nathambwe	shuga	mkwera	mtumbati	kamgonda										
16	Mponera	kabvina	mwalimo	kasiyamaliro	nyongani	mbewa	khongo	ndebe	nkhongomwala	palawo	mgombe	mkutuma	goma	chapelapata	maleza	damalankhondo	zambezi	kapindachinsira	khumbulasi	jubasi	ndala
		kalumpira	shana	mwanyande	mndembo	mwangaphet	chimpeni	mkwezalamba	kadyaulenje	mtema	mbalame	mwaphira	matchula	ng'ango	matekenya						
17	Msakambewa	chidothi	kauma	mkambankhan	chanje	mkonkha	samu	kamphasi	kapulama	kamankodola	nkhangani	ndawambi									
18	Mtengowanthena	mkhamenje	nkholongo	katambo 2	salambula 2	pinga	katchakwala	sadalaki	kameta	chonde	katambo	mtengowanthena	chilengamanga	mbwadzulu	sakiza	mfuti	mkangamira	kagulumakina	chapaza	kanjala 2	kalichero
		chalakuwawa	katsukunya	mtungamakoz																	
19	Mvera Army	chilase	thumba	kwenje	kalitsilo	michebo															
20	Mvera Mission	khunthe	kachiwawa	mnjipi	mbedza 2	mnjere	namoni lamb	kantunzi	matangula												
21	Mwangala	chikudzo	masimbe	chilomba	chinkhota																
22	Nalunga	chinseu	chikwinde	mkanthama	kanongolo	jumbe	nala	kamtengo	mandala	kapheragal	chinkhadze 3										
23	Thonje	chilombo	kasumbudzula	mwabula	mteteleka	kadyalunda	mwali 2	chalunda	kakhwesi	mphangwe											

LIST OF HOUSEHOLDS PER HEALTH FACILITY

	Health Centre	Health Facility registered HHs	Total Registered Villages per Health Facility	Villages to be sampled	% of Vllgs	HHs sampled per village	# of HHs sampled per Health Facility
1	Bowe	6,861	132	10	8%	34	340
2	Chakwaza	7,001	111	10	9%	35	350
3	Chankhungu	6,975	62	10	16%	35	350
4	Chezi	4,968	62	7	11%	35	248
5	Chinkhwiri	5,261	42	8	19%	33	264
6	Chisepo	7,740	126	12	10%	32	384
7	Chizolowondo	4,901	44	7	16%	35	245
8	Dowa DHO	10,842	125	16	13%	34	544
9	Dzaleka	12,341	113	20	18%	31	620
10	Dzoole	9,940	136	15	11%	33	495
11	Kasese	7,501	94	11	12%	34	374
12	Kayembe	9,975	123	15	12%	33	495
13	Madisi	8,972	104	14	13%	32	448
14	Matekenya	3,012	55	5	9%	30	150
15	Mbingwa	6,678	79	10	13%	34	340
16	Mponera	23,334	251	34	14%	34	1,156
17	Msakambewa	7,558	113	11	10%	35	385
18	Mtengowanthenga	15,866	244	23	9%	35	805
19	Mvera Army	3,123	47	5	11%	31	155
20	Mvera Mission	4,956	83	8	10%	31	248
21	Mwangala	2,505	50	4	8%	35	140
22	Nalunga	6,259	92	9	10%	35	315
23	Thonje	6,259	104	9	9%	35	315
		182,828	2,392	273	11%	771	9,166

Dowa 18 months PDCU - Timeline

		1	2	3	4
		November			
No.	ACTIVITY	7	14	21	28
1	Briefing of enumerators and supervisors				
2	Data collection				
3	Data entry				
4	Report writing				

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



POST-DISTRIBUTION CHECK-UP 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 <small>(tick one)</small>			Is it an AMF Net? <input checked="" type="checkbox"/>	Net condition <small>(tick one)</small>			How many slept under this net last night?				Net condition
	Olvas <small>Olvas Plus</small>	PermaNet <small>2.0 3.0</small>	Other		Very Good	OK	Poor	# Children Under 5	# Children 6 to 16	# Preg W	# Other adult	
Ex.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					Very Good fewer than 2 holes of less than 2cm each
Net 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					OK fewer than 10 small holes
Net 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					Poor more than 10 small holes or 1 big hole, larger than 10 cm
Net 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					If there are more than 10 nets continue on another form (and mark both forms).
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 <small>(= # ticked above)</small>	Present but not hung *	Not present	
			Worn out	Other*
*Reason:				

4. 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 nets hanging.

Yes / No

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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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 <small>(tick one)</small>			Is it an AMF Net? <input checked="" type="checkbox"/>	Net condition <small>(tick one)</small>			How many slept under this net last night?				Net condition
	Olvas <small>Olvas Plus</small>	PermaNet <small>2.0 3.0</small>	Other		Very Good	OK	Poor	# Children Under 5	# Children 6 to 16	# Preg W	# Other adult	
Ex.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					Very Good fewer than 2 holes of less than 2cm each
Net 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					OK fewer than 10 small holes
Net 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					Poor more than 10 small holes or 1 big hole, larger than 10 cm
Net 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					If there are more than 10 nets continue on another form (and mark both forms).
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 <small>(= # ticked above)</small>	Present but not hung *	Not present	
			Worn out	Other*
*Reason:				

4. 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 nets hanging.

Yes / No

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 C - Detailed PDCU-18 results (4 pages)



Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @

Survey schedule: from November
 Data entry schedule: from Dec 13th
 Checking and analysis expected to be complete: Jan 2017
 LIVE - Data shown are updated in real time
 Data entered as at: 30 Jan 2017 12:44

Presence of AMF Nets | Condition of AMF nets | Usage of the nets | Miscellaneous data | Comments

Location	Date	Households			Forms Signed		Nets received			Hung		Present Not Hung		Missing		Worn out/ not usable		M+ WO	Last entry on	by
		Target	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#			
	30 Nov 2016	7,748	9,157	118	9,157	100	17,553	10,446	60	2,442	14	686	4	3,979	23	27				
1 DP196 Malawi, Bowe	28 Nov 2016	343	339	99	339	100	662	362	55	73	11	34	5	193	29	34	23 Dec 2016 06:39	23 Dec 2016	MK	
2 DP196 Malawi, Chakhaza	25 Nov 2016	350	350	100	350	100	640	396	62	85	13	21	3	138	22	25	27 Jan 2017 12:47	2 days ago	MK	
3 DP196 Malawi, Chankhungu	15 Nov 2016	349	350	100	350	100	612	257	42	67	11	27	4	261	43	47	27 Jan 2017 12:48	2 days ago	MK	
4 DP196 Malawi, Chezi	15 Nov 2016	248	245	99	245	100	472	301	64	20	4	15	3	136	29	32	27 Jan 2017 12:28	3 days ago	MK	
5 DP196 Malawi, Chinkhwiri	24 Nov 2016	263	264	100	264	100	499	275	55	25	5	18	4	181	36	40	27 Jan 2017 12:50	2 days ago	MK	
6 DP196 Malawi, Chisepo	24 Nov 2016	387	384	99	384	100	664	366	55	84	13	36	5	178	27	32	27 Jan 2017 09:29	3 days ago	MK	
7 DP196 Malawi, Chizolowondo	29 Nov 2016	245	245	100	245	100	446	333	75	21	5	12	3	80	18	21	19 Dec 2016 14:21	19 Dec 2016	MK	
8 DP196 Malawi, Dowa	17 Nov 2016	542	544	100	544	100	1,052	629	60	129	12	44	4	250	24	28	27 Jan 2017 12:17	3 days ago	MK	
9 DP196 Malawi, Dzaleka	19 Nov 2016	617	620	100	620	100	1,173	677	58	172	15	51	4	273	23	28	14 Dec 2016 11:49	14 Dec 2016	MC	
10 DP196 Malawi, Dzooole	23 Nov 2016	497	495	100	495	100	943	587	62	132	14	46	5	178	19	24	15 Dec 2016 14:33	15 Dec 2016	MC	
11 DP196 Malawi, Kasese	28 Nov 2016	375	374	100	374	100	784	382	49	144	18	40	5	218	28	33	15 Dec 2016 07:40	15 Dec 2016	MC	
12 DP196 Malawi, Kayembe	22 Nov 2016	499	495	99	495	100	933	551	59	84	9	40	4	258	28	32	16 Dec 2016 11:46	16 Dec 2016	MC	
13 DP196 Malawi, Madisi	29 Nov 2016	449	448	100	448	100	951	520	55	105	11	37	4	289	30	34	17 Dec 2016 15:01	17 Dec 2016	MC	
14 DP196 Malawi, Matekenya	17 Nov 2016	250	150	60	150	100	249	133	53	103	41	11	4	2	1	5	19 Dec 2016 10:59	19 Dec 2016	MC	
15 DP196 Malawi, Mbingwa	25 Nov 2016	334	340	102	340	100	610	383	63	41	7	9	1	177	29	30	17 Dec 2016 09:40	17 Dec 2016	MC	
16 DP196 Malawi, Mponela	30 Nov 2016	408	1,153	283	1,153	100	2,242	1,561	70	411	18	61	3	209	9	12	15 Dec 2016 10:27	15 Dec 2016	UM	
17 DP196 Malawi, Msakambewa	16 Nov 2016	250	385	154	385	100	685	450	66	186	27	18	3	31	5	7	19 Dec 2016 12:36	19 Dec 2016	UM	
18 DP196 Malawi, Mtengowanthenga	21 Nov 2016	250	803	321	803	100	1,679	982	58	272	16	61	4	364	22	25	17 Dec 2016 08:34	17 Dec 2016	UM	
19 DP196 Malawi, Mvera Army	15 Nov 2016	156	155	99	155	100	340	207	61	29	9	12	4	92	27	31	17 Dec 2016 14:04	17 Dec 2016	UM	
20 DP196 Malawi, Mvera Mission	15 Nov 2016	248	248	100	248	100	482	260	54	44	9	30	6	148	31	37	17 Dec 2016 11:45	17 Dec 2016	UM	
21 DP196 Malawi, Mwangala	17 Nov 2016	125	140	112	140	100	234	194	83	6	3	2	1	32	14	15	19 Dec 2016 11:02	19 Dec 2016	UM	
22 DP196 Malawi, Nalunga	16 Nov 2016	250	315	126	315	100	614	438	71	121	20	23	4	32	5	9	20 Dec 2016 09:44	20 Dec 2016	UM	
23 DP196 Malawi, Thonje	14 Nov 2016	313	315	101	315	100	587	202	34	88	15	38	6	259	44	51	20 Dec 2016 08:13	20 Dec 2016	UM	

Key	Explanation
Forms Signed	0% > 95% > 96% > 98+% Green - Very good
Nets Hung	0% > 59% > 72% > 80+% Light Green - Good
Nets Present Not Hung	100% > 15% > 12% > 7-% Orange - Acceptable
Nets Missing (M)	100% > 9% > 8% > 6-% Red - Recommend action is taken
Nets Worn Out (WO)	100% > 17% > 8% > 6-%
M + WO	100% > 17% > 8% > 6-%

The green, light green, orange and red traffic-light system indicates 'Very Good', 'Good', 'Acceptable' and 'Recommend action is taken'. This is an educated estimate by AMF staff and is not presented as a scientific assessment. They are based on a review of research studies and other data which suggest a typical hang-up (net use) and degradation (net condition) profile for nets. We have tried to be conservative in setting the grade boundaries to try and avoid overstating how well the nets may be performing. We are currently liaising with advisors to gain further advice on where these bands should fall.



Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @

Survey schedule: from November
 Data entry schedule: from Dec 13th
 Checking and analysis expected to be complete: Jan 2017
 LIVE - Data shown are updated in real time
 Data entered as at: 30 Jan 2017 12:44

Presence of AMF Nets | Condition of AMF nets | Usage of the nets | Miscellaneous data | Comments

Job	AMF Nets										AMF Olyset nets										AMF Permant nets									
	Total	#	%	#	%	#	%	#	%	Rating	Total	#	%	#	%	#	%	#	%	Rating	Total	#	%	#	%	#	%	Rating		
	14,409	4,757	33	3,659	25	2,014	14	3,979	28	50	6,957	2,278	33	1,671	24	1,087	16	1,921	28	50	7,452	2,479	33	1,988	27	927	12	2,058	28	50
1 DP196 Malawi, Bowe	555	111	20	166	30	85	15	193	35	39	230	57	25	52	23	41	18	80	35	39	322	52	16	114	35	44	14	112	35	38
2 DP196 Malawi, Chakhaza	534	217	41	107	20	72	13	138	26	52	204	65	32	50	25	36	18	53	26	51	328	151	46	56	17	36	11	85	26	52
3 DP196 Malawi, Chankhungu	518	105	20	94	18	58	11	261	50	23	306	73	24	49	16	30	10	154	50	24	212	32	15	45	21	28	13	107	50	22
4 DP196 Malawi, Chezi	437	105	24	106	24	90	21	136	31	43	273	82	30	62	23	44	16	85	31	45	163	22	13	44	27	46	28	51	31	39
5 DP196 Malawi, Chinkhwiri	456	48	11	128	28	99	22	181	40	30	212	31	15	37	17	60	28	84	40	30	244	17	7	91	37	39	16	97	40	31
6 DP196 Malawi, Chisepo	544	172	32	130	24	64	12	178	33	44	218	71	33	51	23	25	11	71	33	45	323	99	31	79	24	39	12	106	33	44
7 DP196 Malawi, Chizolowondo	413	127	31	139	34	67	16	80	19	54	298	89	30	96	32	55	18	58	19	53	115	38	33	43	37	12	10	22	19	55
8 DP196 Malawi, Dowa	879	213	24	219	25	197	22	250	28	46	467	109	23	89	19	136	29	133	28	44	409	103	25	129	32	61	15	116	28	48
9 DP196 Malawi, Dzaleka	950	188	20	313	33	176	19	273	29	45	411	88	21	130	32	75	18	118	29	46	539	100	19	183	34	101	19	155	29	45
10 DP196 Malawi, Dzoole	764	247	32	217	28	122	16	178	23	52	319	93	29	103	32	49	15	74	23	52	443	153	35	114	26	73	16	103	23	52
11 DP196 Malawi, Kasese	600	129	22	183	31	70	12	218	36	38	291	68	23	84	29	33	11	106	36	38	309	61	20	99	32	37	12	112	36	38
12 DP196 Malawi, Kayembe	809	215	27	184	23	152	19	258	32	43	418	73	17	98	23	114	27	133	32	39	388	142	37	84	22	38	10	124	32	47
13 DP196 Malawi, Madisi	809	238	29	177	22	105	13	289	36	40	445	142	32	95	21	49	11	159	36	41	364	96	26	82	23	56	15	130	36	39
14 DP196 Malawi, Matekenya	135	117	87	15	11	1	2	1	92	91	60	51	85	8	13	0	0	1	2	91	75	66	88	7	9	1	1	1	1	93
15 DP196 Malawi, Mbingwa	560	109	19	182	33	92	16	177	32	42	225	42	19	65	29	47	21	71	32	41	335	67	20	117	35	45	13	106	32	43
16 DP196 Malawi, Mponela	1770	1017	57	417	24	127	7	209	12	62	723	405	56	166	23	67	9	85	12	61	1,044	611	59	250	24	60	6	123	12	63
17 DP196 Malawi, Msakambewa	481	390	81	56	12	4	1	31	6	80	259	217	84	21	8	4	2	17	7	80	221	172	78	35	16	0	0	14	6	79
18 DP196 Malawi, Mtengowanthenga	1346	392	29	390	29	200	15	364	27	50	742	238	32	190	26	113	15	201	27	50	604	154	25	200	33	87	14	163	27	50
19 DP196 Malawi, Mvera Army	299	90	30	59	20	58	19	92	31	45	147	45	31	20	14	37	25	45	31	44	152	45	30	39	26	21	14	47	31	46
20 DP196 Malawi, Mvera Mission	408	74	18	132	32	54	13	148	36	37	220	41	19	73	33	26	12	80	36	37	188	33	18	59	31	28	15	68	36	37
21 DP196 Malawi, Mwangala	226	103	46	53	23	38	17	32	14	58	10	2	20	7	70	0	0	1	10	58	216	101	47	46	21	38	18	31	14	58
22 DP196 Malawi, Nalunga	470	270	57	137	29	31	7	32	7	70	280	142	51	97	35	22	8	19	7	68	190	128	67	40	21	9	5	13	7	74
23 DP196 Malawi, Thonje	461	90	20	60	13	52	11	259	56	18	242	54	22	28	12	24	10	136	56	19	219	36	16	32	15	28	13	123	56	18

Key

Rating 0% > 50% > 60% > 70+%

Green - Very good
 Light Green - Good
 Orange - Acceptable
 Red - Recommend action is taken

Explanation

The green, light green, orange and red traffic-light system indicates 'Very Good', 'Good', 'Acceptable' and 'Recommend action is taken'. An overall colour rating is used to give a simple visual overview of how well the nets are lasting. This is an educated estimate by AMF staff and is not presented as a scientific assessment. The rating is calculated considering the proportion of nets in each condition. Performance (colour) bands are established considering published research and other data on how nets typically degrade over time. We are currently liaising with advisors to gain further advice on where these bands should fall.



Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @

Survey schedule: from November
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 LIVE - Data shown are updated in real time
 Data entered as at: 30 Jan 2017 12:44

Presence of AMF Nets Condition of AMF nets Usage of the nets Miscellaneous data Comments

Job	Nets Used				Household used				People sleeping under nets								Coverage						
	Correctly		Not Correctly		Correctly		Not correctly		Children under 5		Children 5 to 18		Pregnant women		Other adults		Total	Sleeping spaces		People			
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	#	Covered	%	#	Covered	%
	11,733	99	112	1	16,089	99	68	1	1,497	178,485	32	456	2	12,706	49	26,144	19,867	11,848	60	41,855	26,144	62	
1 DP196 Malawi, Bowe	390	99	3	1	219	100	1	0	155	18	272	32	18	2	409	48	854	757	393	52	1,606	854	53
2 DP196 Malawi, Chakhaza	443	100	1	0	240	100	1	0	184	18	334	32	22	2	496	48	1,036	766	447	58	1,662	1,036	62
3 DP196 Malawi, Chankhangu	321	100	0	0	178	100	0	0	139	19	178	24	19	3	391	54	727	690	321	47	1,429	727	51
4 DP196 Malawi, Chezi	340	100	0	0	179	100	0	0	113	16	234	33	16	2	354	49	717	504	340	67	1,029	717	70
5 DP196 Malawi, Chinkhwiri	304	100	0	0	172	100	0	0	101	15	215	31	8	1	363	53	687	573	304	53	1,233	687	56
6 DP196 Malawi, Chisepo	430	100	0	0	236	100	0	0	220	21	291	28	24	2	498	48	1,033	801	430	54	1,792	1,033	58
7 DP196 Malawi, Chizolowondo	381	100	1	0	193	99	1	1	132	16	300	35	18	2	398	47	848	527	382	72	1,138	848	75
8 DP196 Malawi, Dowa	695	99	10	1	367	98	6	2	247	17	439	30	22	2	754	52	1,462	1,155	705	61	2,313	1,462	63
9 DP196 Malawi, Dzaleka	755	99	4	1	398	100	2	0	336	19	527	31	31	2	832	48	1,726	1,378	759	55	2,952	1,726	58
10 DP196 Malawi, Dzoole	645	100	0	0	358	100	0	0	262	18	498	34	19	1	705	48	1,484	1,056	645	61	2,289	1,484	65
11 DP196 Malawi, Kasese	435	98	7	2	214	98	5	2	159	16	338	35	17	2	459	47	973	819	442	54	1,762	973	55
12 DP196 Malawi, Kayembe	614	99	7	1	322	98	5	2	270	19	464	32	16	1	683	48	1,433	1,073	621	58	2,324	1,433	62
13 DP196 Malawi, Madisi	578	99	5	1	283	99	2	1	208	17	442	35	11	1	585	47	1,246	1,109	583	53	2,281	1,246	55
14 DP196 Malawi, Matekenya	151	97	4	3	90	98	2	2	70	18	112	29	12	3	186	49	380	294	155	53	674	380	56
15 DP196 Malawi, Mbingwa	428	99	3	1	230	99	2	1	173	17	289	29	15	1	526	52	1,003	727	431	59	1,584	1,003	63
16 DP196 Malawi, Mponela	1,770	99	13	1	838	99	7	1	585	15	1,354	36	76	2	1,792	47	3,807	2,532	1,783	70	5,249	3,807	73
17 DP196 Malawi, Msakambewa	501	99	5	1	277	98	5	2	172	16	342	31	21	2	571	52	1,106	771	506	66	1,623	1,106	68
18 DP196 Malawi, Mtengowanthenga	1,068	97	35	3	521	96	19	4	367	16	782	34	38	2	1,126	49	2,313	1,827	1,103	60	3,713	2,313	62
19 DP196 Malawi, Mvera Army	206	97	6	3	111	97	4	3	98	21	168	35	2	0	209	44	477	348	212	61	723	477	66
20 DP196 Malawi, Mvera Mission	305	100	1	0	177	99	1	1	141	21	182	27	11	2	342	51	676	529	306	58	1,083	676	62
21 DP196 Malawi, Mwangala	213	100	0	0	115	100	0	0	73	15	167	35	3	1	231	49	474	283	213	75	609	474	78
22 DP196 Malawi, Nalunga	474	99	6	1	244	98	4	2	180	17	356	34	19	2	493	47	1,048	627	480	77	1,342	1,048	78
23 DP196 Malawi, Thonje	286	100	1	0	127	99	1	1	112	18	201	32	18	3	303	48	634	721	287	40	1,445	634	44

Used correctly 0% > 90% > 95+%

The green, orange and red traffic-light system indicates 'very good', 'OK' and 'recommend action is taken'.

Coverage 0% > 90% > 95+%

They are based on an educated assessment of what figures would represent very good, OK, and not so good use and condition of the nets. We are currently liaising with a number of individuals to gain further advice on where these bands should fall.



Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @

Survey schedule: from November
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 Checking and analysis expected to be complete: Jan 2017
LIVE - Data shown are updated in real time
 Data entered as at: 15 Mar 2017 09:50

Presence of AMF Nets Condition of AMF nets Usage of the nets Miscellaneous data Comments

Job	Malaria in last month				Type of AMF nets			Type of all nets		
	Housholds		People		Oly	Perm	?	Oly	Perm	?
	#	%	#	%	#	#	#	#	#	#
	2045	22	2,533	6	5,036	5,394	15	5,051	5,397	1,400
1 DP196 Malawi, Bowe	105	31	125	8	230	322	2	230	322	2
2 DP196 Malawi, Chakhaza	42	12	53	3	204	328	2	204	328	2
3 DP196 Malawi, Chankhungu	50	14	53	4	306	212	0	306	212	0
4 DP196 Malawi, Chezi	37	15	43	4	273	163	1	273	163	1
5 DP196 Malawi, Chinkhwiri	43	16	55	4	212	244	0	212	244	0
6 DP196 Malawi, Chisepo	95	25	114	6	218	323	2	218	323	2
7 DP196 Malawi, Chizolowondo	68	28	75	7	298	115	0	298	115	0
8 DP196 Malawi, Dowa	151	28	210	9	467	409	2	467	409	2
9 DP196 Malawi, Dzaleka	119	19	150	5	411	539	0	411	539	0
10 DP196 Malawi, Dzoole	112	23	135	6	319	443	1	319	443	1
11 DP196 Malawi, Kasese	97	26	112	6	291	309	0	291	309	0
12 DP196 Malawi, Kayembe	121	24	136	6	418	388	2	418	388	2
13 DP196 Malawi, Madisi	94	21	146	6	445	364	0	445	364	0
14 DP196 Malawi, Matekenya	35	23	40	6	60	75	0	60	75	0
15 DP196 Malawi, Mbingwa	89	26	119	8	225	335	0	225	335	0
16 DP196 Malawi, Mponela	242	21	297	6	723	1,044	2	723	1,044	2
17 DP196 Malawi, Msakambewa	87	23	111	7	259	221	1	259	221	1
18 DP196 Malawi, Mtengowanthenga	163	20	202	5	742	604	0	742	604	0
19 DP196 Malawi, Mvera Army	60	39	74	10	147	152	0	147	152	0
20 DP196 Malawi, Mvera Mission	42	17	45	4	220	188	0	220	188	0
21 DP196 Malawi, Mwangala	27	19	29	5	10	216	0	10	216	0
22 DP196 Malawi, Nalunga	66	21	85	6	280	190	0	280	190	0
23 DP196 Malawi, Thorje	100	32	124	9	242	219	0	242	219	0