Dedza District, Malawi

Post-Distribution Check-Up (PDCU)
At 24 months

September - October 2016

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Contents

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.

The initial distribution of 245,489 LLINs took place between December 2014 and April 2015. In December, 2015 the mop up distribution was carried involving 8,899LLINs. In June, 2016 another mop up distribution was conducted with 10,284 LLINs. In total, 264,672 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: **792,422**
Number of Households (HHs): **186,105**
5% of households: **9,624 (representing 5.1%.** See Appendix A)
Number of Health Centre Catchment Areas (HCCAs): **34**
Average population per HCCA: **23,306**
Average number of HHs per HCCA: **5,473**
5% of HHs (average) per HCCA: **273.**

5. Cost

The budget cost is $14,897.

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 A for detailed locations and timeline.

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 the 34 HCCAs in Dedza District. All the health facilities catchment areas were involved in the 2014/15 Universal Coverage Net Distribution. In each HCCA between 54 and 780 (average 283) HHs were visited via selecting 2 to 30 (average 11) villages at random and for each randomly selecting 25 HHs for an unannounced visit. In total, the PDCU collected information from 9,499 households.

9. Timing

The PDCU took place between September and October 2016. 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), Dedza 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 (3): 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.

<u>Drivers (3):</u> Three 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.

31 personnel were involved in the PDCU over six 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.

A total of 9,499 randomly selected households were interviewed representing 99% of the targeted households.

The survey revealed that out of the 15,097 nets in the households visited, 6,737 nets were found hung, representing 45%. The survey also found that out of the 15,097 LLINs 1,357 LLINs were present but not hung representing 9% while 764 nets were missing representing 5%. 6,239 nets were found to have been worn out and not usable representing 41%. Refer to appendix C.

Matumba health facility recorded the highest number of nets hung at 56%, while Nakalanzi recorded the lowest percentage of nets found in use at 14%.

Maonde and Chiphwanya health facility had the highest number on nets that were found to be present but not being used at 14%.

Nakalazi health facility had the highest number of nets recorded worn or not usable at 83%.

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 45%.

	DAY	HEALTH CENTRE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST	1	KACHINDAMOTO	CHITUKULA	MWASINJA	GALUAANENE	MLANGENI	MSUNDUZENI															
	1	NAKALAZI	CHINSEU	KAMWACHOKA	KANJIRAWAYA	KASAKALA																
	2	MTAKATAKA	NYAMAOLA	TIDYENAO	MACHISAO	TSEKA	CHIKUMBA 2	CHIMGWAND	KAMGANGA	CHAMBWINJA	KAMBUKU	KANGOMA										
	2	MUA	KAFULAMA	MALUZA	MLONGOTI	KALINDIZA	BWANALI	NANKUMBA	FOLE	MSOLO 2	TEMBETEMBE	KANKHANDE	NDELEMA									
	3	KAUNDU	JOSOPHATI	CHAGUNDA2	CHATHELA	CHEJERO	CHIKOLEZA	NJERWA	CHIBOWA	KUVUTA	SABANTINE	MAKUNDIKA										
	3	GOLOMOTI	MASINJA	THUKULIZA	CHIYENDA	ABRAHAM	MPANGO	MBENDERA	KASALO	TAILOSI	BIZEKI	RODRECK	CHISAKA	MSAMALA	KATSOTSO	KADEWERE	KANKHWANI	KANJOVU				
	4	MGANJA	CHIPEZA	KANYERERE	MGANJA	KHWEKHWERERE																
	4	POLICE COLLEGE	CHIKAOLA	KAMPINI																		
NORTH EAST	5	DZINDEVU	CHILASAMONGO	WINDROSE	CHAGWANYA	MZOOLA	CHIWAMBA	NAKAONA	MBIMBI	MWAWA	LIPAPA	KANYENDA	JAILOSI	SUMBI	SAMAMA	KANKUNDI	SAIWA					
	6	KAPHUKA	BIWI-JAMES	CHILIMATA	MLOWE	KASULO	CHIKHUTU	KASINJA	NGAWALA	CHILIMBA	KALANJE	MALILI	NASULUMA	NYAU	WERA	CHANGOLE	CHIZINGA	KAWECHE	MTEMA	CHADZA	KANYEMBA	MKOPOKA
	7	KANYAMA	MBOZI	KUMACHEMBA	KUNGAO	CHINKUYU	SITIFANO	BOWA	GOLIATI	JAMU	MAGINDITSA	VERESONI										
	7	TSOYO	CHAWALA	TSINKHA	CHIWAZA 1	MITUMBI	CHIKUMBA	GOKHO	MWENDELA	MKANE	KACHULU	MANDOWA										
	8	CHIKUSE	SITIMA	MALIKA	MDZOMBA	MPANGO	MTIWE	MPOZA	NAMAESA	NKOMA	CHIYINANI	CHIZONGA	SANI	MTACHILE								
	9	MAYANI	MTAWANGA	MZINDO	MIKOCHE	KALINDE	DULE	LUNGALA	MDZINGA	NSEU	CHAMBALA	KABUNGWE	KAYINJA	MASAMBA								
	9	MJINI	GWENGWE	NYONGO	KAPHALE	MLENGA	KAWOCHE	MCHALO	TSUCHI													
	10	KALULU	LINGA	CHAFWALA	MAFORERA	NYANGU	KAMBUDZA	ZALANGWA														
	10	CHIPHWANYA	CHIWAYU	MNENULA	CHAMBA	DANDA	MWABVU	BOWA														
	10 & 11	KASINA	KALONGA	CHINTENGO	MTOLO	MASEWERA	THESI	KULUWINA	MWALAMBA	GOME	KOKOLO	NAWOZA	MACHILIKA	SANTHA	KHOMBE	MTENJE	MWACHALO					
CENTRAL WEST	12	MPHATI	KABABU	MATOLA	UZAYO	ZANDE	KALUMBA	UZAYO														
	13	MDEZA	CHAO	MACHEWELA	ZIWUYE	CHIMAMBA	MAMBALA	MTONDA	MLINGA													
	14	CHITOWO H/C	MAGWAZA	MBINGWANI	DZOOLE	NDAKOKWA	CHANG'OMBE	MBALIRA	MMANJA	MLAMBA	PWELE	CHIPENI	NTAPO	NKHWAZI	MANONDO	MAZENGERA	KAMWALA					
	15	MAONDE	FOSA	MATONGA	CHISAKA	LITCHETHO	KAMENYA	KAUNDA	CHINZIMU	BAULENI	CHINZU											
	17	MTENDERE	KACHULE	KAPUZANGONA	ZINKAMBANI	DAMBO	HUWA	PAULO	CHINGONDO	KAMPATA	SIYASIYA	KAPIKIRA	KAMONDERA	KAMBUZI	KHULUZA	NDILIMA	BEDI	KALAMBA	NGULUWE	CHINKHOMBE	MLINGA	NYANGU
	18	LOBI	CHIPHE	MANASE	BANGO	KANTADZA	NDINGA	KATENJE	KANYIMBI	CHIKUMBA	KAMBIRA	MAWERE	STENARA	CHINKUNDA								
	18	MTENDERE	BALUSI	KUTERELA	SPEDI	CHIMWENJE	KABANGO	CHAFWALA	KATSACHE	LUSINIYO	PAIWE	MUHAWI										
WEST	19	KAFERE	MSEKADALA	MTWALIKA	KASIYA	CHIVWATIRA	MILALE	MALUWA	DIAMPHWE	KUDE												
	19	MIKONDO	KAMBADZA	MILIASI	GERMAN	WILSON	BOKOSI	KUCHIKOWA	CHIKWATI	KANGO	KAFUMBI	MNJALE										
	20	MATUMBA	KAMKODOLA	PHALE	CHIKANDIRA	KAPHESI	YOBE	CHISAMBA	KAMADZI	SONGWE	GUDU	MALIMBA	NJUCHI	BOZA	KALIPANDE	LUPIYA	KAIMVI	MGOMBE	CHIPENI	KHONDOWE	MASOMPHA	MNOLO
	21	CHIMOTO	KAMWENDO	MSOMEKERA	KADULE	ABRAHAM	CHIMOMBO	JADIEL	MTONGA	KAPILIRA	KASONDA	MAWALA	FIFITINI	KAUMA	NYAMA	CHILABADE	JOLAMU	MCHINGA				
	22	KANYEZI	KANYEZI	MPHIZI	MAGUYA	ZINYONGO	KAMANGENI	CHINKHOMBE	MALIWA	MLONGOTI	SAGAWA	KASING'INDI	NJATI	KALULU	MLOMBWA	MKOKA	MPHANDO					
CENTRAL	23	CHONGONI	CHIPHAZI	UNDI	CHIYERETSA	KUSELI	BAILESI	HINDA	MCHILA	CHILUNGA	NGOWANI	KUTSUYO	CHITOSI									
	23	MPHUNZI	CHAKACHADZA	KUCHIPALA	CHIKHOZA	BONDE	MNJELE	LINGAKA	PINJI	TOMASI	KUNSINJA	KAPHALA										
	24	MLANGALI	MLANGALI	ZUZE 1	ANDIREYA	BISALOMU	DZANJA	MGOMO	LINGAKA	SIRA	NJUCHI											
	24 & 25	DEDZA	KANUNKHA	KANDUNA	MSAMBILO	MBEMBA	MAVALAVALA	KAPESI	BAZALIELI	JERE	KAWIYA	KULUYA	GENRAL STAFF	MZENGEREZA	KAPALAMULA	MVUULA						
	25	BEMBEKE	KAPENUKA	KANTANDE	JUWA	MKUTU	GONTHI	CHINTALI	KHANGANYA	BWALO	HOSO	MUYOWE	KULEMEKA	JUMA	KAPHONDE	SIMUKA						

No.	Health Centre	Health Facilty registered HHs	Total Registered Villages per Health Facilty	Villages to be sampled	% of Vllgs	HHs sampled per village	# of HHs sampled per Health Facility
1	BEMBEKE	7,073	88	14	16%	26	364
2	CHIKUSE	6,217	57	12	21%	26	312
3	CHIMOTO	8,219	83	16	19%	26	416
4	CHIPHWANYA	2,911	38	6	16%	25	150
5	CHITOWO H/C	7,375	61	15	25%	25	375
6	CHONGONI	5,565	58	11	19%	26	286
7	DEDZA	6,754	28	14	50%	25	350
8	DZINDEVU	7,531	55	15	27%	25	375
9	GOLOMOTI	8,208	62	16	26%	26	416
10	KACHINDAMOTO	2,288	20	5	25%	25	125
11	KAFERE	2,648	82	6	7%	25	150
12	KALULU	2,651	46	6	13%	25	150
13	KANYAMA	4,818	63	10	16%	25	250
14	KANYEZI	6,806	88	15	17%	25	375
15	KAPHUKA	9,058	98	20	20%	25	500
16	KASINA	7,801	71	15	21%	26	390
17	KAUNDU	4,708	62	10	16%	25	250
18	LOBI	5,833	54	12	22%	25	300
19	MAONDE	4,486	45	9	20%	25	225
20	MATUMBA	10,164	116	20	17%	26	520
21	MAYANI	5,891	65	12	18%	25	300
22	MDEZA	3,710	72	8	11%	25	200
23	MGANJA	1,348	9	3	33%	25	75
24	MIKONDO	4,662	73	10	14%	25	250
25	MJINI	3,532	109	7	6%	25	175
26	MLANGALI	4,449	35	9	26%	25	225
27	MPHATI	2,859	29	6	21%	25	150
28	MPHUNZI	5,025	34	10	29%	25	250
29	MTAKATAKA	4,765	52	10	19%	25	250
30	MTENDERE	15,223	131	30	23%	26	780
31	MUA	5,769	23	11	48%	26	286
32	NAKALAZI	1,662	16	4	25%	25	100
33	POLICE COLLEGE	1,066	11	2	18%	27	54
34	TSOYO	5,030	93	10	11%	25	250
		186,105	2,027	379	19%	861	9,624

DEDZA 24 months PDCU - Timeline

	WEEK	1	2	4	4	5	6
		SEP	SEP	OCT	OCT	OCT	OCT
No.	ACTIVITY	19	26	3	10	17	24
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

Appendix C – Detailed PDCU results (4 pages)

#	Location	Date	Households Target	#	%	Forms Signed #	%	AMF Nets Received #	Hung #	%	Present Not Hung #	%	Missing #	%	Worn out/not usable #	%	M+WO %	Last entry on		by
		29 Oct 2016	9,624	9,499	99	9,499	100	15,097	6,737	45	1,357	9	764	5	6,239	41	46			
1	DP188 Malawi, Bembeke	05 Oct 2016	364	350	96	350	100	457	228	50	38	8	26	6	165	36	42	18 Nov 2016 15:13	18 Nov 2016	UM
2	DP188 Malawi, Chikuse	10 Oct 2016	312	299	96	299	100	495	246	50	48	10	54	11	147	30	41	12 Dec 2016 20:44	12 Dec 2016	CE
3	DP188 Malawi, Chimoto	04 Oct 2016	416	400	96	400	100	580	272	47	72	12	23	4	213	37	41	22 Nov 2016 07:15	22 Nov 2016	MC
4	DP188 Malawi, Chiphwanya	19 Oct 2016	150	150	100	150	100	237	95	40	32	14	8	3	102	43	46	19 Nov 2016 14:27	19 Nov 2016	UM
5	DP188 Malawi, Chitowo	05 Oct 2016	375	375	100	375	100	531	209	39	42	8	18	3	262	49	53	28 Nov 2016 02:46	28 Nov 2016	CE
6	DP188 Malawi, Chongoni	11 Oct 2016	286	275	96	275	100	456	211	46	54	12	28	6	163	36	42	20 Nov 2016 10:15	20 Nov 2016	UM
7	DP188 Malawi, Dedza	05 Oct 2016	350	350	100	350	100	581	295	51	74	13	31	5	181	31	36	18 Nov 2016 11:25	18 Nov 2016	UM
8	DP188 Malawi, Dzindevu	11 Oct 2016	375	375	100	375	100	613	307	50	75	12	50	8	181	30	38	24 Nov 2016 12:38	24 Nov 2016	MC
9	DP188 Malawi, Golomoti	13 Oct 2016	416	400	96	400	100	619	238	38	39	6	13	2	329	53	55	17 Nov 2016 11:27	17 Nov 2016	UM
10	DP188 Malawi, Kachindamoto	18 Oct 2016	125	125	100	125	100	210	103	49	8	4	10	5	89	42	47	18 Nov 2016 12:31	18 Nov 2016	MC
11	DP188 Malawi, Kafere	27 Sep 2016	150	150	100	150	100	260	128	49	8	3	14	5	110	42	48	18 Nov 2016 12:29	18 Nov 2016	MC
12	DP188 Malawi, Kalulu	23 Oct 2016	150	150	100	150	100	196	99	51	13	7	4	2	80	41	43	20 Nov 2016 13:34	20 Nov 2016	UM
13	DP188 Malawi, Kanyama	12 Oct 2016	250	250	100	250	100	359	160	45	43	12	25	7	131	36	43	18 Nov 2016 12:38	18 Nov 2016	MC
14	DP188 Malawi, Kanyezi	27 Sep 2016	375	375	100	375	100	635	318	50	34	5	27	4	256	40	45	01 Dec 2016 00:48	01 Dec 2016	CE
15	DP188 Malawi, Kaphuka	21 Oct 2016	500	500	100	500	100	835	416	50	104	12	38	5	277	33	38	16 Nov 2016 19:01	16 Nov 2016	UM
16	DP188 Malawi, Kasina	20 Oct 2016	390	375	96	375	100	609	236	39	57	9	23	4	293	48	52	18 Nov 2016 12:33	18 Nov 2016	MC
17	DP188 Malawi, Kaundu	12 Oct 2016	250	250	100	250	100	360	112	31	15	4	7	2	226	63	65	18 Nov 2016 12:35	18 Nov 2016	MC
18	DP188 Malawi, Lobi	05 Jun 2016	300	300	100	300	100	472	254	54	35	7	23	5	160	34	39	26 Jan 2017 09:07	3 days ago	CE
19	DP188 Malawi, Maonde	03 Oct 2016	225	225	100	225	100	324	148	46	45	14	20	6	111	34	40	22 Nov 2016 10:31	22 Nov 2016	MC
20	DP188 Malawi, Matumba	26 Sep 2016	520	500	96	500	100	892	496	56	48	5	34	4	314	35	39	26 Jan 2017 10:08	3 days ago	CE
21	DP188 Malawi, Mayani	10 Oct 2016	300	300	100	300	100	402	151	38	45	11	22	5	184	46	51	22 Nov 2016 10:02	22 Nov 2016	CE
22	DP188 Malawi, Mdeza	03 Oct 2016	200	200	100	200	100	316	129	41	23	7	24	8	140	44	52	24 Nov 2016 12:51	24 Nov 2016	MC
23	DP188 Malawi, Mganja	13 Oct 2016	75	100	133	100	100	175	46	26	18	10	3	2	108	62	63	22 Nov 2016 11:13	22 Nov 2016	CE
24	DP188 Malawi, Mikondo	30 Sep 2016	250	250	100	250	100	417	213	51	36	9	26	6	142	34	40	24 Nov 2016 12:47	24 Nov 2016	MC
25	DP188 Malawi, Mjini	19 Oct 2016	175	175	100	175	100	303	127	42	14	5	18	6	144	48	53	20 Nov 2016 12:14	20 Nov 2016	UM
26	DP188 Malawi, Mlangali	05 Oct 2016	225	225	100	225	100	326	142	44	23	7	24	7	137	42	49	24 Nov 2016 06:41	24 Nov 2016	MC
27	DP188 Malawi, Mphati	20 Oct 2016	150	150	100	150	100	229	100	44	6	3	6	3	117	51	54	16 Nov 2016 20:54	16 Nov 2016	UM
28	DP188 Malawi, Mphunzi	29 Oct 2016	250	250	100	250	100	409	225	55	37	9	18	4	129	32	36	27 Nov 2016 09:15	27 Nov 2016	CE
29	DP188 Malawi, Mtakataka	14 Oct 2016	250	250	100	250	100	458	133	29	39	9	16	3	270	59	62	20 Nov 2016 13:53	20 Nov 2016	UM
30	DP188 Malawi, Mtendere	17 Oct 2016	780	750	96	750	100	1,238	568	46	133	11	94	8	443	36	43	01 Dec 2016 00:27	01 Dec 2016	CE
31	DP188 Malawi, Mua	14 Oct 2016	286	275	96	275	100	483	175	36	49	10	18	4	241	50	54	15 Nov 2016 09:37	15 Nov 2016	UM
32	DP188 Malawi, Nakalanzi	18 Oct 2016	100	100	100	100	100	162	22	14	6	4	0	0	134	83	83	21 Nov 2016 08:10	21 Nov 2016	CE
33	DP188 Malawi, Police College	18 Oct 2016	54	50	93	50	100	94	41	44	2	2	2	2	49	52	54	20 Nov 2016 07:39	20 Nov 2016	UM
34	DP188 Malawi, Tsoyo	19 Oct 2016	250	250	100	250	100	364	94	26	42	12	17	5	211	58	63	22 Nov 2016 14:43	22 Nov 2016	MC

Key

Forms Signed	0% > 95% > 96% > 98+%	Green	- Very good
Nets Hung	0% > 49% > 67% > 75+%	Light Green	- Good
Nets Present Not Hung	100% > 11% > 9% > 5-%	Orange	- Acceptable
Nets Missing (M)	100% > 10% > 8% > 7-%	Red	- Recommend action is taken
Nets Worn Out (WO)	100% > 30% > 16% > 13-%		
M + WO	100% > 30% > 16% > 13-%		

Explanation

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.

Data entry schedule: from October - November
Checking and analyis expected to be complete: November 20...
LIVE - Data shown are updated in real time
Data entered as at: 30 Jan 2017 06:27

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

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

Job	AMF Nets										AMF Olyset nets										AMF Permanet nets									
	Total	Very Good #	%	Good #	%	Viable #	%	Worn out #	%	Rating	Total	Very Good #	%	Good #	%	Viable #	%	Worn out #	%	Rating	Total	Very Good #	%	Good #	%	Viable #	%	Worn out #	%	Rating
	12,934	2,254	17	2,115	16	2,326	18	6,239	48	35	6,429	1,175	18	1,007	16	1,146	18	3,101	48	35	6,505	1,079	17	1,108	17	1,180	18	3,138	48	35
1 DP188 Malawi, Bembeke	393	70	18	79	20	79	20	165	42	43	181	28	15	37	20	40	22	76	42	42	212	42	20	42	20	39	18	89	42	44
2 DP188 Malawi, Chikuse	393	135	34	58	15	53	13	147	37	52	227	73	32	32	14	37	16	85	37	52	165	62	38	25	15	16	10	62	38	53
3 DP188 Malawi, Chimoto	485	95	20	81	17	96	20	213	44	41	184	39	21	31	17	33	18	81	44	42	298	56	19	49	16	62	21	131	44	40
4 DP188 Malawi, Chiphwanya	197	56	28	24	12	15	8	102	52	35	120	33	28	16	13	9	8	62	52	35	77	23	30	8	10	6	8	40	52	35
5 DP188 Malawi, Chitowo	457	59	13	84	18	52	11	262	57	24	98	15	15	16	16	11	11	56	57	25	356	44	12	67	19	41	12	204	57	24
6 DP188 Malawi, Chongoni	374	49	13	103	28	59	16	163	44	41	199	30	15	48	24	34	17	87	44	41	175	19	11	55	31	25	14	76	43	41
7 DP188 Malawi, Dedza	476	130	27	95	20	70	15	181	38	51	200	50	25	41	20	33	16	76	38	51	276	80	29	54	20	37	13	105	38	51
8 DP188 Malawi, Dzindevu	488	118	24	104	21	85	17	181	37	51	167	42	25	31	19	32	19	62	37	51	320	76	24	73	23	52	16	119	37	51
9 DP188 Malawi, Golomoti	567	72	13	75	13	91	16	329	58	22	233	35	15	27	12	36	15	135	58	23	334	37	11	48	14	55	16	194	58	22
10 DP188 Malawi, Kachindamoto	192	6	3	26	14	71	37	89	46	30	69	4	6	14	20	19	28	32	46	32	123	2	2	12	10	52	42	57	46	28
11 DP188 Malawi, Kafere	238	61	26	32	13	35	15	110	46	40	108	18	17	14	13	26	24	50	46	36	130	43	33	18	14	9	7	60	46	44
12 DP188 Malawi, Kalulu	179	53	30	25	14	21	12	80	45	44	154	52	34	21	14	12	8	69	45	46	25	1	4	4	16	9	36	11	44	33
13 DP188 Malawi, Kanyama	291	41	14	71	24	48	16	131	45	39	155	19	12	39	25	27	17	70	45	38	136	22	16	32	24	21	15	61	45	40
14 DP188 Malawi, Kanyezi	574	62	11	89	16	167	29	256	45	36	366	52	14	43	12	108	30	163	45	36	206	10	5	46	22	58	28	92	45	34
15 DP188 Malawi, Kaphuka	693	201	29	125	18	90	13	277	40	50	435	124	29	77	18	60	14	174	40	50	257	76	30	48	19	30	12	103	40	50
16 DP188 Malawi, Kasina	529	54	10	95	18	87	16	293	55	25	249	31	12	44	18	36	14	138	55	25	280	23	8	51	18	51	18	155	55	24
17 DP188 Malawi, Kaundu	338	28	8	40	12	44	13	226	67	14	229	16	7	26	11	34	15	153	67	13	109	12	11	14	13	10	9	73	67	14
18 DP188 Malawi, Lobi	414	81	20	88	21	85	21	160	39	49	231	64	28	43	19	35	15	89	39	51	179	15	8	45	25	50	28	69	39	44
19 DP188 Malawi, Maonde	259	50	19	56	22	42	16	111	43	43	112	18	16	29	26	17	15	48	43	43	145	32	22	26	18	25	17	62	43	44
20 DP188 Malawi, Matumba	810	130	16	137	17	229	28	314	39	46	384	78	20	56	15	101	26	149	39	47	418	52	12	81	19	123	29	162	39	44
21 DP188 Malawi, Mayani	335	41	12	57	17	53	16	184	55	26	186	21	11	29	16	34	18	102	55	25	149	20	13	28	19	19	13	82	55	26
22 DP188 Malawi, Mdeza	269	24	9	44	16	61	23	140	52	27	102	8	8	13	13	28	27	53	52	26	167	16	10	31	19	33	20	87	52	28
23 DP188 Malawi, Mganja	154	17	11	21	14	8	5	108	70	12	117	14	12	16	14	5	4	82	70	13	37	3	8	5	14	3	8	26	70	12
24 DP188 Malawi, Mikondo	355	70	20	61	17	82	23	142	40	46	73	9	12	26	36	9	12	29	40	47	278	61	22	34	12	72	26	111	40	46
25 DP188 Malawi, Mjini	271	39	14	18	7	70	26	144	53	26	190	37	19	13	7	39	21	101	53	28	81	2	2	5	6	31	38	43	53	21
26 DP188 Malawi, Mlangali	279	49	18	53	19	40	14	137	49	34	202	36	18	28	14	39	19	99	49	34	75	12	16	25	33	1	1	37	49	37
27 DP188 Malawi, Mphati	217	38	18	35	16	27	12	117	54	29	87	11	13	20	23	9	10	47	54	28	130	27	21	15	12	18	14	70	54	29
28 DP188 Malawi, Mphunzi	354	93	26	46	13	86	24	129	36	51	219	68	31	25	11	46	21	80	37	52	134	25	19	21	16	39	29	49	37	50
29 DP188 Malawi, Mtakataka	403	26	6	55	14	52	13	270	67	13	227	20	9	34	15	21	9	152	67	14	173	6	3	20	12	31	18	116	67	12
30 DP188 Malawi, Mtendere	1011	216	21	138	14	214	21	443	44	41	368	61	17	48	13	98	27	161	44	39	632	153	24	86	14	116	18	277	44	43
31 DP188 Malawi, Mua	416	68	16	52	13	55	13	241	58	24	254	45	18	34	13	28	11	147	58	24	159	22	14	18	11	27	17	92	58	23
32 DP188 Malawi, Nakalanzi	156	6	4	4	3	12	8	134	86	2	135	5	4	4	3	10	7	116	86	2	21	1	5	0	0	2	10	18	86	2
33 DP188 Malawi, Police College	90	5	6	18	20	18	20	49	54	24	70	5	7	10	14	17	24	38	54	24	20	0	0	8	40	1	5	11	55	25
34 DP188 Malawi, Tsoyo	305	19	6	36	12	39	13	211	69	11	191	14	7	22	12	23	12	132	69	12	110	4	4	14	13	16	15	76	69	11

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.

Survey schedule: **from October**
Data entry schedule: **from October - November**
Checking and analyis expected to be complete: **November 2016**
LIVE - Data shown are updated in real time
Data entered as at: 30 Jan 2017 06:27

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

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

Job	Nets Used Correctly #	%	Not Correctly #	%	Household used Correctly #	%	Not correctly #	%	Children under 5 #	%	Children 5 to 18 #	%	Pregnant women #	%	Other adults #	%	Total #	Sleeping spaces #	Covered	%	People #	Covered	%
	8,726	98	156	2	4,643	98	74	2	4,300	21	5,559	27	377	2	10,645	51	20,881	19,859	8,882	45	42,884	20,881	49
1 DP188 Malawi, Bembeke	332	99	5	1	168	98	4	2	168	22	155	20	15	2	424	56	762	684	337	49	1,420	762	54
2 DP188 Malawi, Chikuse	282	99	3	1	184	98	3	2	161	24	165	24	20	3	339	49	685	608	285	47	1,320	685	52
3 DP188 Malawi, Chimoto	340	99	4	1	198	99	2	1	199	23	211	24	16	2	442	51	868	789	344	44	1,787	868	49
4 DP188 Malawi, Chiphwanya	122	98	3	2	73	99	1	1	54	19	78	27	5	2	150	52	287	336	125	37	707	287	41
5 DP188 Malawi, Chitowo	275	98	5	2	167	99	2	1	148	21	172	24	13	2	388	54	721	723	280	39	1,560	721	46
6 DP188 Malawi, Chongoni	267	98	5	2	140	99	2	1	126	20	146	24	14	2	332	54	618	543	272	50	1,189	618	52
7 DP188 Malawi, Dedza	386	99	3	1	175	100	0	0	158	19	248	30	5	1	417	50	828	795	389	49	1,601	828	52
8 DP188 Malawi, Dzindevu	393	98	6	2	212	98	4	2	198	21	252	26	29	3	478	50	957	769	399	52	1,696	957	56
9 DP188 Malawi, Golomoti	330	100	1	0	175	99	1	1	169	21	229	28	15	2	396	49	809	889	331	37	1,988	809	41
10 DP188 Malawi, Kachindamoto	126	99	1	1	69	99	1	1	56	18	110	36	4	1	137	45	307	278	127	46	631	307	49
11 DP188 Malawi, Kafere	156	98	4	2	81	99	1	1	76	21	96	27	5	1	184	51	361	329	160	49	677	361	53
12 DP188 Malawi, Kalulu	135	99	2	1	76	99	1	1	82	25	53	16	11	3	180	55	326	286	137	48	616	326	53
13 DP188 Malawi, Kanyama	217	100	1	0	118	99	1	1	121	24	108	21	18	4	262	51	509	509	218	43	1,079	509	47
14 DP188 Malawi, Kanyezi	388	98	7	2	202	98	4	2	180	20	264	29	14	2	448	49	906	778	395	51	1,645	906	55
15 DP188 Malawi, Kaphuka	488	98	12	2	276	98	6	2	207	18	320	28	19	2	587	52	1,133	1,028	500	49	2,137	1,133	53
16 DP188 Malawi, Kasina	300	100	1	0	169	100	0	0	117	17	176	26	5	1	381	56	679	818	301	37	1,688	679	40
17 DP188 Malawi, Kaundu	164	99	2	1	88	98	2	2	122	25	118	25	5	1	235	49	480	528	166	31	1,329	480	36
18 DP188 Malawi, Lobi	321	97	9	3	167	97	5	3	139	19	214	29	9	1	379	51	741	651	330	51	1,329	741	56
19 DP188 Malawi, Maonde	222	98	4	2	106	98	2	2	110	20	157	28	9	2	288	51	564	456	226	50	1,020	564	55
20 DP188 Malawi, Matumba	583	97	21	3	300	97	10	3	301	21	420	30	24	2	658	47	1,403	1,041	604	58	2,310	1,403	61
21 DP188 Malawi, Mayani	246	97	8	3	112	100	0	0	135	22	154	25	16	3	302	50	607	656	254	39	1,413	607	43
22 DP188 Malawi, Mdeza	199	100	1	0	84	99	1	1	88	19	116	25	13	3	241	53	458	406	200	49	870	458	53
23 DP188 Malawi, Mganja	58	97	2	3	31	97	1	3	20	15	46	34	1	1	69	51	136	228	60	26	467	136	29
24 DP188 Malawi, Mikondo	249	96	11	4	134	96	5	4	115	19	186	30	7	1	303	50	611	504	260	52	1,099	611	56
25 DP188 Malawi, Mjini	149	99	2	1	83	98	2	2	73	22	77	23	5	2	174	53	329	381	151	40	776	329	42
26 DP188 Malawi, Mlangali	195	99	2	1	97	99	1	1	91	21	98	22	9	2	244	55	442	435	197	45	948	442	47
27 DP188 Malawi, Mphati	131	98	2	2	72	97	2	3	71	22	67	21	4	1	176	55	318	308	133	43	673	318	47
28 DP188 Malawi, Mphunzi	280	99	3	1	149	100	0	0	139	21	177	27	15	2	319	49	650	540	283	52	1,136	650	57
29 DP188 Malawi, Mtakataka	178	99	2	1	89	100	0	0	75	18	155	37	6	1	185	44	421	603	180	30	1,279	421	33
30 DP188 Malawi, Mtendere	727	98	16	2	405	98	9	2	344	20	456	26	28	2	918	53	1,746	1,509	743	49	3,282	1,746	53
31 DP188 Malawi, Mua	239	98	4	2	121	100	0	0	128	21	168	28	8	1	294	49	598	605	243	40	1,339	598	45
32 DP188 Malawi, Nakalanzi	45	100	0	0	18	100	0	0	30	24	37	30	1	1	57	46	125	218	45	21	505	125	25
33 DP188 Malawi, Police College	58	98	1	2	29	97	1	3	25	18	41	30	1	1	71	51	138	118	59	50	237	138	58
34 DP188 Malawi, Tsoyo	145	98	3	2	75	100	0	0	74	21	89	25	8	2	187	52	358	510	148	29	1,131	358	32

Used correctly **0%** > **90%** > **95+%**

Coverage **0%** > **90%** > **95+%**

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

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	?
	#	%	#	%	#	#	#	#	#	#
	2276	24	2,796	7	3,328	3,367	28	3,361	3,392	2,129
1 DP188 Malawi, Bembeke	78	22	91	6	181	212	0	181	212	0
2 DP188 Malawi, Chikuse	42	14	56	4	227	165	1	227	165	1
3 DP188 Malawi, Chimoto	87	22	102	6	184	298	2	184	298	2
4 DP188 Malawi, Chiphwanya	21	14	23	3	120	77	0	120	77	0
5 DP188 Malawi, Chitowo	87	23	102	7	98	356	1	98	356	1
6 DP188 Malawi, Chongoni	51	19	55	5	199	175	0	199	175	0
7 DP188 Malawi, Dedza	72	21	92	6	200	276	0	200	276	0
8 DP188 Malawi, Dzindevu	75	20	98	6	167	320	1	167	320	1
9 DP188 Malawi, Golomoti	126	32	152	8	233	334	0	233	334	0
10 DP188 Malawi, Kachindamoto	68	54	78	12	69	123	0	69	123	0
11 DP188 Malawi, Kafere	37	25	42	6	108	130	0	108	130	0
12 DP188 Malawi, Kalulu	35	23	38	6	154	25	0	154	25	0
13 DP188 Malawi, Kanyama	54	22	70	6	155	136	0	155	136	0
14 DP188 Malawi, Kanyezi	80	21	92	6	366	206	1	366	206	1
15 DP188 Malawi, Kaphuka	81	16	98	5	435	257	1	435	257	1
16 DP188 Malawi, Kasina	66	18	75	4	249	280	0	249	280	0
17 DP188 Malawi, Kaundu	72	29	86	6	229	109	0	229	109	0
18 DP188 Malawi, Lobi	84	28	104	8	231	179	2	231	179	2
19 DP188 Malawi, Maonde	57	25	65	6	112	145	1	112	145	1
20 DP188 Malawi, Matumba	123	25	152	7	384	418	5	384	418	5
21 DP188 Malawi, Mayani	72	24	85	6	186	149	0	186	149	0
22 DP188 Malawi, Mdeza	36	18	39	4	102	167	0	102	167	0
23 DP188 Malawi, Mganja	50	50	79	17	117	37	0	117	37	0
24 DP188 Malawi, Mikondo	75	30	89	8	73	278	2	73	278	2
25 DP188 Malawi, Mjini	22	13	26	3	190	81	0	190	81	0
26 DP188 Malawi, Mlangali	50	22	60	6	202	75	1	202	75	1
27 DP188 Malawi, Mphati	36	24	49	7	87	130	0	87	130	0
28 DP188 Malawi, Mphunzi	54	22	63	6	219	134	1	219	134	1
29 DP188 Malawi, Mtakataka	92	37	140	11	227	173	1	227	173	1
30 DP188 Malawi, Mtendere	138	18	164	5	368	632	6	368	632	6
31 DP188 Malawi, Mua	92	33	119	9	254	159	1	254	159	1
32 DP188 Malawi, Nakalanzi	44	44	64	13	135	21	0	135	21	0
33 DP188 Malawi, Police College	31	62	43	18	70	20	0	70	20	0
34 DP188 Malawi, Tsoyo	88	35	105	9	191	110	1	191	110	1