



Dowa District, Malawi

**Post-Distribution Check-Up (PDCU)
at 12-months**

June 2016

REPORT

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1. Executive Summary

This report represents the results of the 12 months PDCU conducted in June 2016. Data was gathered in 20 of the district's 23 Health Centre Areas (HCAs). 7,726 households (HH) were randomly selected and visited unannounced. This check-up was carried out at 12 months after the distribution.

At 12 months post-distribution, sleeping space coverage with a viable net was 77% with these sleeping spaces covering 80% of the population.

Net hang-up, condition and 'net present but not hung' information for each of the 20 HCCAs has been passed to Dowa's Malaria Coordinator (MC), the District Environmental Health Officer (DEHO) and District Health Officer (DHO) to assist in designing further potential targeted malaria intervention activities.

The PDCU cost was US\$13,045 equal to US\$1.68 per household visited (or \$0.041 per net originally distributed).

2. Background

Dowa District is one of Malawi's 28 districts and has a population of 801,379 people and 181,490 households. A universal coverage distribution of 316,196 nets was carried out from November 2014 to May 2015.

A Post-Distribution Check-Up survey (PDCU) is carried out at 6 months intervals after the distribution as an impact-monitoring tool of net usage and net condition.

3. Results

- **7,726** HHs visited (5% of the HHs that received nets in the original distribution)
- **15,094** nets checked
- **74%** of the nets were found to be hung and in use. This is a good hang-up level.
- **32%** of the nets were found to be in 'very good condition' (fewer than 2 holes of up to 2cm in size), **39%** 'Good' (fewer than 10 small holes on them) and **17%** in 'viable' condition, (although with more than 10 holes or 1 hole larger than 10 cm), while **12%** were worn out.
- The survey found 17% of those using the nets were children under 5 years, while 37% were children, 2% were pregnant women and 45% being adults.
- Condition of the nets compared to expectation: Good.

See Appendix 2 for detailed results and findings.

Comment

There is need for sensitization meetings on net usage and hanging to remind beneficiaries of the best ways of using and taking care of the nets, especially in the three health centre areas that had the highest levels of 'present but not hung' and the further two health centre areas with a relatively low level of coverage.

Comment

The data collected show the level of coverage has fallen from 85% at 6-months post-distribution to 80% after 18 months. This is a shallow rate of decline over this 6-month period of less than 1 percentage point per month on average and is a good outcome.

4. How the work was carried out and key decisions

Schedule

The PDCU planning began two months in advance of the PDCU taking place to ensure plans and resources were in place.

Planning

The PDCU team leader led the planning. See the PDCU-12 Planning document for details.

Budgeting

A budget was prepared using cost drivers for each cost item. This allowed strong estimating of costs and will allow a clear comparison between budget and actual costs. See PDCU-12 Budget vs Actual document.

Resource selection

There are 23 Health Centres (HCs) in Dowa District. Each has approximately 20 staff attached to each one, the majority being salaried Health Surveillance Assistants (HSAs).

From lessons learned from earlier PDCUs, it was decided to continue with the focused team of 20 data collectors rather than have a specific number of data collectors from each HCCA. This was based on the following reasons.

First, this would reduce the number of data collectors that would need to be monitored and trained. Second, we would be able to select reliable individuals whom we could trust to do a diligent and accurate job of collecting the data. Third, it would leave the majority of HSAs to carry on with the normal health tasks and duties. Fourth, by having the same people covering the whole exercise they will get acquainted to the task and reduce errors on data collection.

This meant the data collectors would spend less days collecting data with a day on each health facility rather than the one or several days if not many more data collectors were to be used. This was judged the preferable way of organizing and managing the data collection phase.

Orientation and training

Given the limited number of people involved in collecting data and supervising, this was a relatively simple and focused task. An orientation and training session took place on 1st June 2016, conducted by CU and MOH Staff (Malaria Coordinator (MC) and Assistant District Environmental Health Officer (ADEHO)).

Supervisors: There were 2 supervisors. The briefing familiarized the supervisors with the overall project, objectives, timing and specific responsibilities.

Data collectors: There were 20 data collectors involved in collecting data, selected from within the district. The orientation included detailed explanation of the survey objectives and the logic behind the survey form (net condition, type of nets, what sleeping spaces are, what is meant by hung nets and noting hung nets against AMF nets received) as well as having the data collectors pre-test exercise in order to fill in sample forms and ask questions to ensure their understanding of what information should be collected and how.

Village selection and household selection

Dowa district has 23 health facilities. It was decided to collect data from 5% of households in 20 HCCA where we carried out the distributions; this meant a different number of households in each HCCA as per individual health facility populations.

Between 140 and 793 households were randomly selected from each of the selected Four to twenty villages, depending on the HCCA, with the villages also selected at random.

Villages were randomly selected using the village lists generated from the pre-distribution and distribution work for the September 2014 - May 2015 AMF-funded universal coverage LLIN distribution. A random number table was used to select the villages.

Households were randomly selected using the household lists produced during the same campaign. A random number table was used to select the households. Ten more households were put on reserve in case no one was at home in the selected households.

Data collection

20 data collectors and 2 supervisors from the District Health Office were involved in the PDCU. The supervisors were responsible for checking the data collection exercise at the same time monitoring how the data was being collected as per requirement.

All the data collectors involved gathered at a days' designated health facility before each being deployed to selected villages. Once the data collection was complete, the data collectors submitted completed forms to their assigned supervisor who was responsible for checking the forms for obvious errors or omissions, including a lack of householder signature, before delivering the forms to the data entry team.

From the selected households, both men and women households heads were interviewed upon giving consent and signing on the form to indicate acceptance. Each data collector was assigned a village under the health centre on which data collection was planned for that particular day, guided by their assigned supervisor. On average each data collector visited 30 households per day.

Data collection checking

Supervisors were required to visit 5% of the households in their area to check the accuracy of the data collectors' work and had to check all the completed forms submitted to them before submitting them to the Project Manager. The sampled visited households were also chosen at random so the work of all data collectors was checked.

Data entry

There were two data entry clerks with knowledge in basic computing. The data entry clerks were also exposed to a questionnaire orientation where they were briefed on the forms and introduced to the online web links and how to enter the data on the electronic form, make editions and post the data. The data entry clerks were assigned specific health facilities in order to facilitate their performance monitoring.

Data was entered into a database via a web interface created by AMF. An internet connection was required for this work.

Data entry checking

It was important to monitor and check the work of each data clerk at an early stage to correct any lack of understanding and monitor errors.

Improvements in the data entry interface meant the data entry proceeded with almost no errors. This reduced the error-checking phase to almost nothing.

5. Finances

The budget was MK 8,439,705 (US\$13,187). MK = Malawi Kwacha.
The actual cost was MK 9,066,265 (US\$13,045).

Budget vs actual costs (USD)

ITEM	BUDGET COST	ACTUAL COST	DELTA
BRIEFING/ORIENTATION	346	337	-2%
DATA COLLECTION	10,598	10,643	-1%
DATA ENTRY	809	829	-1%
MANAGEMENT	375	345	-8%
TOTAL	US\$ 13,187	US\$ 13,045	-1%

Comment

The PDCU came in just under budget in USD. Inflation in Malawi meant the cost in MKW was higher than budgeted, as was expected, but appreciation of the USD vs MKW meant the overall cost was very close to the USD budget. CU managed the budget very well.

6. Lessons learned

The operational elements that went well were:

- All the selected villages were visited.
- There was a positive response from the LLIN beneficiaries at community level.
- The survey form was short with only one page, which was ideal for the data collectors and the respondents
- Local community leaders and household heads allowed the data collectors to enter their households to see the hung nets and check the condition they were in.

- Management support and commitment towards the activity by Concern Universal and District Health staff was very encouraging, hence the timely execution of the exercise.
- The data collectors, supervisors and drivers were committed to collecting the data.

The lessons learned from this PDCU that will be applied to subsequent PDCUs were:

- In order to maintain and follow the timeline and meet the deadlines permanent vehicles should be allocated to the activity.
- The same data collectors should be hired to collect the data for the whole exercise in the upcoming subsequent PDCU surveys.
- Likewise the same data entry clerks should be involved in the next subsequent upcoming PDCUs since they are already familiar with the system.

7. Acknowledgements

Special acknowledgement should be made to the Dowa District Health Management Team and the Malaria Coordinator (MC) Mr. George Mphasa and the Assistant Environmental Health Officer (AEHO) Mr. Tembo in particular, for tirelessly making this initiative a success. Despite their busy day-to-day schedule they allocated their time and efforts to the successful execution of the survey. This team worked even beyond normal working hours just to accomplish the mission and meet the timelines.

Appendix 1 - Health Areas and households visited, timeline

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	Thonje	KASESE	MAWERU 2	MBULAWO	CHINGONDO	MWANANGU	MSAKAMBEW	CHIYELA	KUNKAYA	MAKANYA											
2	Mvera Mission	LUFYO	MTILENI	KHOMBE	CHENKHWE	NAMONIMLAN	KADIKIRA	CHIDOTHI													
3	Mvera Army	NKHAMBE	DOKO	KAMSUMBUDZI	MALENDEWA	NGANDE															
4	ChezI	KAVALA	CHIKUNDA	GAWAMADZI	IMFAYATONSE	MBONYERA	KALINDA	MAYANI													
5	Chankhungu	KALUZA	MTUMODZI	GULIGUJI	LUMWIRA	GHITANJE	KATHEWERA	CHIDZUMA	SENGANI	GHISENGA	KAMSIKIRI										
6	Dowa DHO	GHINYANYA	KATANGA	KADANGO	MDZIKOMETSA	GHIMWANZA	MADUDE	PEMBA	JONASI 1	MZUKWA	GWANG'WA	MOAKONDWER	MZENGA	SASANI	GAWAMADZI	CHATA MBALA	MASWANA				
7	Dzaleka	KANYAMBO	KARONGA	CHINOWA	MTUKWA	KATSUKUNYA	CHAMKOMA	CHATAMA	MBALAME 1	ZIDUNGE	KACHIMBWI	NYUNDO 1	MSENGA	CHISOMBA	MITEMBO	LILAMBWE	KASANGU	UKUNI 1	KALEMBA	ZIKAPANDA	MNDINDA
8	Mtengowanthenga	CHINYAMA	ZINGULIRA	CHIMBALANGA	MKUKULA	MTENGOWAN	KALOZERA	CHIOTHA	FUSE	KUPETA	KAMKWAMBA	KALONGA	MTHUZI	SANGA	CHINYAMA	MWAMBE	CHILUZI	KAPUTALAMB	TEMBO	CHINGOWE	CHILENGAMAGAZI
9	Dzoole	MGUNDA	PSYEDA	LIMUNGA	SAMUEL	KACHULU	DZOOLE	KANGULU	MKOMBE	WISCOT	NTHESA	KALONGOLA	KAPONYA	MDABWI 2	MTHUNZI 1	BAZALE					
10	Kayembe	KHOMBE	MKOTAMO	BUNO	MALIJ	MDIKA	KAMOTO	MPOPELA	MBUTA	TIZWIRE	MALANGWASI	P SHYONTA	CHIOZA	KUTONTHA 2	CHINAVINGA						
11	Chisepo	KAYEMBE 1	MCHOKA	MBALANI	MKUIWIRA	CHIWOKO	NABWENJE 2	CHILEMBA	MWANSAMBO	BAN GA	KASATSI 2	CHIZANGA	CHIMOMBO								
12	Mbingwa	CHAPATUKA	CHIGULE	MALURU	CHIMPENI	NANTHAMBW	MTALIMANJA	MKWELA	CHIDOTHI	MKANILECHUN	CHILUMIMBA										
13	Chizolowondo	KATUTA	MKAZIWADUK	KABWINIA TC	LITEPO 1	CHILEMBE	GHIMJEZA	CHAZINGA													
14	Chakwaza	MITITI	NIWE	MBAYO	NJRAMBO	MDYAPASI	KHWAMBA	MSIWA 2	MAPONDERA	GIMBAYO	SIMBI TC										
15	Madisi	FULATILA	KAPACHIKA	MKAONDA	MALABADA	MASUMBA	NDIRI	TIOPANYANGA	SHADRECK	MTHAMBALA	CHOLE	MSUNGAMANI	CHIUSWA								
16	Bowe	MTAKUZI	MCHOKA	MAYANI	MBIYA	KAMANYA	CHIMIMBA	MASHATILA	NKHAZO	CHIWA ULA	DAGUZA										
17	Chinkhwiri	ZINAMDARA	UPEMPHE	CHOMA	KALUZA	CHIKHOBWE	MCHANGWE	MAROSHA	KASAMBA												
18	Mwangala	GHILEMBWE	NANSONI	CHISALINO	MWANGALA																
19	Kasese	CHANDUZI	MSAMBA	MONJEZI	JOSENI	MPHONGOLE	MULAMBA	CHIKAMPHULA	KATALIMA	CHILUPHIZA	SAPEYA										
20	Mponera	NJOKA	MAPONDERA	CHIVUTO	NKHONGO	GHIMUNGU	NSATSI	NKHUNGA	CHALUNDA	JONI	KALINDA 2	KADYAULENJE	KADZIMETE								

Dowa 12 months PDCU - Timeline

No.	ACTIVITY	1	2	3	4
		JUNE			
		1-3	6 - 10	13 - 17	20 - 24
1	Briefing of enumerators and supervisors				
2	Data collection				
3	Data entry				
4	Report writing				

LIST OF HOUSEHOLDS PER HEALT 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%	35	350
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%	35	280
6	Chisepo	7,740	126	12	10%	35	420
7	Chizolowondo	4,901	44	7	16%	35	245
8	Dowa DHO	10,842	125	16	13%	35	560
9	Dzaleka	12,341	113	20	18%	35	700
10	Dzoole	9,940	136	15	11%	35	525
11	Kasese	7,501	94	10	11%	35	350
12	Kayembe	9,975	123	14	11%	35	490
13	Madisi	8,972	104	12	12%	35	420
14	Mbingwa	6,678	79	10	13%	35	350
15	Mponera	8,166	70	12	17%	35	420
16	Mtengowanthenga	15,866	244	20	8%	40	793
17	Mvera Army	3,123	47	5	11%	35	175
18	Mvera Mission	4,956	83	7	8%	35	245
19	Mwangala	2,505	50	4	8%	35	140
20	Thonje	6,259	104	9	9%	35	315
		150,831	1,951	218	11%	705	7,727

Appendix 2 - Detailed PDCU-12 results (4 pages)

PDCU Job Summary

DistributionID: DP196 [change distribution](#) Report Stage: 12 months show groups

Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @ 12-months (Apr 2016)

Presence of AMF Nets		Condition of AMF nets		Usage of the nets		Miscellaneous data		Comments		Activity		Errors							
ID	Location	Date	Households			Forms Signed		Nets received		Hung		Present Not Hung		Missing		Worn out/ not usable		M+ WO	Last entry on
			Target	#	%	#	%	#	#	%	#	%	#	%	#	%	#		
		17 Jun 2016	7,541	7,726	102	7,726	100	15,094	11,191	74	1,687	11	737	5	1,479	10	15		
1	1053 DP196 Malawi, Mbingwa	14 Jun 2016	334	350	105	350	100	692	564	82	48	7	24	3	56	8	12	20 Jun 2016	11:04
2	1052 DP196 Malawi, Chisepo	10 Jun 2016	387	420	109	420	100	847	689	81	66	8	39	5	53	6	11	20 Jun 2016	06:36
3	1060 DP196 Malawi, Mtengowanthenga	03 Jun 2016	793	793	100	793	100	1,614	1,262	78	180	11	45	3	127	8	11	24 Jun 2016	10:32
4	1062 DP196 Malawi, Mponela	14 Jun 2016	408	420	103	420	100	755	589	78	84	11	16	2	66	9	11	20 Jun 2016	09:44
5	1049 DP196 Malawi, Bowe	16 Jun 2016	343	350	102	350	100	658	507	77	52	8	32	5	67	10	15	24 Jun 2016	10:43
6	1061 DP196 Malawi, Mwangala	08 Jun 2016	125	140	112	140	100	231	176	76	16	7	9	4	30	13	17	27 Jun 2016	20:38
7	1046 DP196 Malawi, Chinkhwiri	10 Jun 2016	263	280	106	280	100	505	378	75	56	11	25	5	46	9	14	15 Jun 2016	14:37
8	1059 DP196 Malawi, Dzoole	16 Jun 2016	497	525	106	525	100	1,081	808	75	120	11	64	6	89	8	14	20 Jun 2016	12:38
9	1044 DP196 Malawi, Dzaleka	09 Jun 2016	617	700	113	700	100	1,289	960	74	118	9	50	4	161	12	16	16 Jun 2016	15:25
10	1054 DP196 Malawi, Kayembe	13 Jun 2016	499	490	98	490	100	1,089	794	73	179	16	58	5	58	5	11	17 Jun 2016	10:12
11	1050 DP196 Malawi, Madisi	14 Jun 2016	449	420	94	420	100	889	648	73	69	8	73	8	99	11	19	17 Jun 2016	11:51
12	1057 DP196 Malawi, Mvera Mission	06 Jun 2016	248	245	99	245	100	523	380	73	83	16	20	4	40	8	11	22 Jun 2016	13:52
13	1055 DP196 Malawi, Mvera Army	06 Jun 2016	156	175	112	175	100	307	223	73	18	6	7	2	59	19	21	20 Jun 2016	08:00
14	1048 DP196 Malawi, Chizolowondo	17 Jun 2016	245	245	100	245	100	500	362	72	87	17	21	4	30	6	10	22 Jun 2016	09:23
15	1047 DP196 Malawi, Kasese	15 Jun 2016	375	350	93	350	100	669	482	72	95	14	50	7	42	6	14	21 Jun 2016	11:24
16	1051 DP196 Malawi, Chakhaza	16 Jun 2016	350	350	100	350	100	654	471	72	88	13	42	6	53	8	15	20 Jun 2016	10:31
17	1058 DP196 Malawi, Chezi	07 Jun 2016	248	248	100	248	100	415	293	71	35	8	20	5	67	16	21	01 Jul 2016	08:29
18	1045 DP196 Malawi, Dowa	07 Jun 2016	542	560	103	560	100	1,109	778	70	154	14	52	5	125	11	16	20 Jun 2016	18:42
19	1056 DP196 Malawi, Thonje	06 Jun 2016	313	315	101	315	100	593	396	67	46	8	39	7	112	19	25	18 Jun 2016	20:30
20	1043 DP196 Malawi, Chankhungu	07 Jun 2016	349	350	100	350	100	674	431	64	93	14	51	8	99	15	22	20 Jun 2016	10:37

Key

Forms Signed	0% > 95% > 96% > 98+%	Green	- Very good
Nets Hung	0% > 67% > 76% > 83+%	Light Green	- Good
Nets Present Not Hung	100% > 17% > 14% > 9-%	Orange	- Acceptable
Nets Missing (M)	100% > 9% > 7% > 6-%	Red	- Recommend action is taken
Nets Worn Out (WO)	100% > 8% > 3% > 2-%		
M + WO	100% > 8% > 3% > 2-%		

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.

<https://www.AgainstMalaria.com/Distributions/Malawi/DowaDistrict2015>

PDCU Job Summary

DistributionID: DP196 [change distribution](#) Report Stage: 12 months show groups

Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @ 12-months (Apr 2016)

Presence of AMF Nets		Condition of AMF nets										Usage of the nets										Miscellaneous data										Comments										Activity										Errors									
Job ID	Job	AMF Nets										AMF Olyset nets										AMF Peranet 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																														
		#	%	#	%	#	%	#	%		#	%	#	%	#	%	#	%		#	%	#	%	#	%	#	%																																		
Total		12,655	4,045	32	4,965	39	2,166	17	1,479	12	46	5,495	1,692	31	2,153	39	1,008	18	642	12	45	7,160	2,353	33	2,812	39	1,158	16	837	12	46																														
1	1058 DP196 Malawi, Chezi	360	108	30	125	35	60	17	67	19	39	203	68	33	64	32	33	16	38	19	39	157	40	25	61	39	27	17	29	18	38																														
2	1061 DP196 Malawi, Mwangala	206	74	36	71	34	31	15	30	15	44	40	14	35	16	40	4	10	6	15	44	166	60	36	55	33	27	16	24	14	43																														
3	1049 DP196 Malawi, Bowe	574	198	34	206	36	103	18	67	12	46	220	76	35	80	36	38	17	26	12	46	354	122	34	126	36	65	18	41	12	46																														
4	1060 DP196 Malawi, Mtengowanthenga	1389	450	32	534	38	278	20	127	9	48	654	220	34	230	35	144	22	60	9	47	732	230	31	302	41	133	18	67	9	48																														
5	1057 DP196 Malawi, Mvera Mission	420	140	33	176	42	64	15	40	10	48	116	48	41	33	28	24	21	11	9	49	304	92	30	143	47	40	13	29	10	48																														
6	1048 DP196 Malawi, Chizolowondo	392	123	31	155	40	84	21	30	8	49	269	89	33	106	39	53	20	21	8	49	123	34	28	49	40	31	25	9	7	48																														
7	1047 DP196 Malawi, Kasese	524	153	29	229	44	100	19	42	8	48	234	68	29	96	41	51	22	19	8	48	290	85	29	133	46	49	17	23	8	49																														
8	1045 DP196 Malawi, Dowa	903	212	23	381	42	185	20	125	14	41	527	121	23	218	41	115	22	73	14	41	373	90	24	163	44	68	18	52	14	42																														
9	1059 DP196 Malawi, Dzoole	897	303	34	393	44	112	12	89	10	48	314	95	30	151	48	37	12	31	10	48	583	208	36	242	42	75	13	58	10	49																														
10	1053 DP196 Malawi, Mbingwa	620	246	40	262	42	56	9	56	9	51	270	101	37	125	46	20	7	24	9	51	347	143	41	137	39	36	10	31	9	51																														
11	1043 DP196 Malawi, Chankhungu	530	159	30	179	34	93	18	99	19	38	203	52	26	72	35	41	20	38	19	37	327	107	33	107	33	52	16	61	19	39																														
12	1051 DP196 Malawi, Chakhaza	524	179	34	196	37	96	18	53	10	47	181	73	40	65	36	25	14	18	10	49	342	105	31	131	38	71	21	35	10	46																														
13	1062 DP196 Malawi, Mponela	655	203	31	280	43	106	16	66	10	47	277	85	31	121	44	43	16	28	10	47	377	118	31	159	42	62	16	38	10	47																														
14	1055 DP196 Malawi, Mvera Army	282	73	26	98	35	52	18	59	21	36	164	38	23	56	34	36	22	34	21	35	118	35	30	42	36	16	14	25	21	37																														
15	1052 DP196 Malawi, Chisepo	742	300	40	275	37	114	15	53	7	52	129	39	30	65	50	16	12	9	7	51	613	261	43	210	34	98	16	44	7	52																														
16	1056 DP196 Malawi, Thonje	508	109	21	171	34	116	23	112	22	33	240	35	15	77	32	75	31	53	22	31	267	74	28	94	35	40	15	59	22	35																														
17	1050 DP196 Malawi, Madisi	747	247	33	281	38	120	16	99	13	44	329	97	29	130	40	58	18	44	13	43	418	150	36	151	36	62	15	55	13	45																														
18	1054 DP196 Malawi, Kayembe	852	293	34	336	39	165	19	58	7	50	522	173	33	215	41	98	19	36	7	50	326	118	36	119	37	67	21	22	7	51																														
19	1044 DP196 Malawi, Dzaleka	1121	369	33	439	39	152	14	161	14	44	424	149	35	155	37	59	14	61	14	44	697	220	32	284	41	93	13	100	14	43																														
20	1046 DP196 Malawi, Chinkhwiri	424	112	26	182	43	84	20	46	11	45	187	51	27	78	42	38	20	20	11	45	237	61	26	104	44	46	19	26	11	45																														

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.

PDCU Job Summary

DistributionID: DP196 [change distribution](#) Report Stage: 12 months show groups

Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @ 12-months (Apr 2016)

		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		
Job ID	Job	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	#	Covered	%	#	Covered	%
		12,327	95	593	5	6,057	95	318	5	4,857	17	10,740	37	439	2	12,915	45	28,951	16,847	12,924	77	36,142	28,951	80
1	1058 DP196 Malawi, Chezi	326	89	40	11	162	88	22	12	152	19	237	30	11	1	400	50	800	511	366	72	1,054	800	76
2	1061 DP196 Malawi, Mwangala	185	91	18	9	101	90	11	10	74	16	150	32	10	2	234	50	468	299	203	68	625	468	75
3	1049 DP196 Malawi, Bowe	577	98	11	2	293	98	7	2	243	18	508	37	23	2	600	44	1,374	767	588	77	1,716	1,374	80
4	1060 DP196 Malawi, Mtengowanthenga	1,368	95	75	5	659	95	33	5	517	17	1,164	38	48	2	1,357	44	3,086	1,769	1,446	82	3,660	3,086	84
5	1057 DP196 Malawi, Mvera Mission	425	100	1	0	205	100	1	0	149	17	319	36	20	2	401	45	889	512	426	83	1,055	889	84
6	1048 DP196 Malawi, Chizolowondo	393	97	13	3	196	96	8	4	142	16	354	39	8	1	397	44	901	535	406	76	1,145	901	79
7	1047 DP196 Malawi, Kasese	554	96	23	4	272	95	13	5	240	17	537	39	13	1	587	43	1,377	767	577	75	1,744	1,377	79
8	1045 DP196 Malawi, Dowa	878	97	26	3	440	97	13	3	333	17	623	33	30	2	923	48	1,909	1,169	904	77	2,393	1,909	80
9	1059 DP196 Malawi, Dzoole	869	95	44	5	421	95	22	5	332	16	806	39	18	1	912	44	2,068	1,134	913	81	2,467	2,068	84
10	1053 DP196 Malawi, Mbingwa	615	98	12	2	305	98	7	2	243	16	586	40	23	2	629	42	1,481	774	627	81	1,753	1,481	84
11	1043 DP196 Malawi, Chankhungu	446	95	22	5	246	94	16	6	188	18	332	31	11	1	528	50	1,059	721	468	65	1,504	1,059	70
12	1051 DP196 Malawi, Chakhaza	513	94	35	6	263	95	15	5	204	16	473	37	25	2	582	45	1,284	748	548	73	1,633	1,284	79
13	1062 DP196 Malawi, Mponela	717	98	12	2	320	98	8	2	248	15	658	40	28	2	727	44	1,661	978	729	75	2,126	1,661	78
14	1055 DP196 Malawi, Mvera Army	261	94	18	6	128	91	13	9	102	17	207	34	13	2	281	47	603	354	279	79	736	603	82
15	1052 DP196 Malawi, Chisepo	751	97	27	3	353	96	13	4	305	17	714	40	24	1	730	41	1,773	922	778	84	2,031	1,773	87
16	1056 DP196 Malawi, Thonje	423	91	41	9	213	91	21	9	163	17	338	35	16	2	457	47	974	687	464	68	1,401	974	70
17	1050 DP196 Malawi, Madisi	696	95	38	5	332	95	17	5	274	17	609	38	18	1	700	44	1,601	958	734	77	2,020	1,601	79
18	1054 DP196 Malawi, Kayembe	856	97	29	3	417	96	19	4	370	18	772	38	43	2	839	41	2,024	1,091	885	81	2,409	2,024	84
19	1044 DP196 Malawi, Dzaleka	1,051	94	66	6	543	93	39	7	407	16	925	36	46	2	1,181	46	2,559	1,518	1,118	74	3,277	2,559	78
20	1046 DP196 Malawi, Chinkhwiri	423	91	42	9	188	90	20	10	171	16	428	40	11	1	450	42	1,060	633	465	73	1,393	1,060	76

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.

PDCU Job Summary

DistributionID: DP196 [change distribution](#) Report Stage: 12 months show groups

Post-Distribution Check-Up (PDCU) for Dowa, Malawi: @ 12-months (Apr 2016)

- Presence of AMF Nets
- Condition of AMF nets
- Usage of the nets
- Miscellaneous data
- Comments
- Activity
- Errors

Job ID	Job	Malaria in last month				Type of AMF nets			Type of all nets		
		Households		People		Oly	Perm	?	Oly	Perm	?
		#	%	#	%	#	#	#	#	#	#
		2882	37	3,765	10	4,853	6,323	15	4,854	6,324	1,746
1	1049 DP196 Malawi, Bowe	122	35	165	10	220	354	0	220	354	0
2	1051 DP196 Malawi, Chakhaza	149	43	187	11	181	342	1	181	342	1
3	1043 DP196 Malawi, Chankhungu	98	28	114	8	203	327	0	203	327	0
4	1058 DP196 Malawi, Chezi	84	34	103	10	203	157	0	203	157	0
5	1046 DP196 Malawi, Chinkhwiri	128	46	172	12	187	237	0	187	237	0
6	1052 DP196 Malawi, Chisepo	144	34	189	9	129	613	0	129	613	0
7	1048 DP196 Malawi, Chizolowondo	98	40	136	12	269	123	0	269	123	0
8	1045 DP196 Malawi, Dowa	206	37	258	11	527	373	3	527	373	3
9	1044 DP196 Malawi, Dzaleka	282	40	396	12	424	697	0	424	697	0
10	1059 DP196 Malawi, Dzoole	196	37	250	10	314	583	0	314	583	0
11	1047 DP196 Malawi, Kasese	140	40	167	10	234	290	0	234	290	0
12	1054 DP196 Malawi, Kayembe	170	35	216	9	522	326	4	522	326	4
13	1050 DP196 Malawi, Madisi	138	33	183	9	329	418	0	329	418	0
14	1053 DP196 Malawi, Mbingwa	140	40	199	11	270	347	2	270	347	2
15	1062 DP196 Malawi, Mponela	170	40	229	11	277	377	1	277	377	1
16	1060 DP196 Malawi, Mtengowanthenga	272	34	359	10	654	732	3	654	732	3
17	1055 DP196 Malawi, Mvera Army	59	34	69	9	164	118	0	164	118	0
18	1057 DP196 Malawi, Mvera Mission	98	40	126	12	116	304	0	116	304	0
19	1061 DP196 Malawi, Mwangala	51	36	66	11	40	166	0	40	166	0
20	1056 DP196 Malawi, Thonje	137	43	181	13	240	267	1	240	267	1