BALAKA District, Malawi

Post-Distribution Check-Up (PDCU)
At 6 months
August 2016

Prepared by: Concern Universal
For: Against Malaria Foundation

Contents

1. Purpose

The PDCU, at the health centre (HC) level, assesses the level of continued net use and provides statistically significant and locally-actionable information to the relevant health/NMCP leaders, including The District health officer (DHO), Malaria Coordinator (MC), to contribute to health intervention decisions and planning. Timely data-based information on net use and condition can help in allocating resources to maintain high levels of coverage. There is some evidence that community-awareness of the PDCUs also contribute to behaviour change and higher levels of net hang-up and correct use.

The 2016 mass distribution was carried out in March 2016 where a total of 278,237 nets were distributed in all but two health facilities of Mbera and Balaka DH where mop-up distributions will be carried out later within the year.

This PDCU will provide data that will help determine the timing of the district-wide re-coverage campaign. Many universal re-coverage distribution campaigns take place 3 years after the prior distribution.

2. Frequency

The surveys are conducted every six months until 30 months post-distribution. Further PDCUs would be assessed depending upon their usefulness, taking into account anticipated levels of community coverage and the timing of any subsequent community-wide universal coverage campaign.

3. Sample size

5% of all households (HHs) that received nets in the universal coverage distribution are randomly-selected and visited unannounced.

4. Distribution catchment area

Population: **590,131**
Number of Household Population: **590,131**
Number of Households (HHs): **128,685**
5% of households, to be visited: **6,520**
Number of Health Centre Catchment Areas (HCCAs): **14**
Average population per HCCA: **42,152**
Average number of HHs per HCCA: **9,191**
5% of HHs (average) per HCCA: **466**

5. Cost

The budget was $10,630.

6. Information collected

A half-page, six-question form focuses on identifying the sleeping spaces present on the household, net presence, use and condition and how many people are present in the household and how many had blood test diagnosed malaria, See Appendix 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 the 14 HCCAs in Balaka District. All the health facilities catchment areas were involved in the 2014/15 Universal Coverage Net Distribution. In each HCCA between 225 and 1,400 (average 466) HHs were visited via selecting 8 to 40 (average 16) villages at random and for each randomly selecting 25 to 35 (average 28) HHs for an unannounced visit. In total, the PDCU collected information from 6,520 households.

9. Timing

The PDCU took place in August 2016. See Appendix C.

10. Personnel

Project Leader (1): Management and overall responsibility, providing support to the Project Manager and reporting to AMF. Nelson Coelho, MCU Manager, Concern Universal (CU).

Project Manager (1): Management and overall responsibility, reporting to DHO, Ntcheu District and to the Project Coordinator. Chimwemwe Nyoni, Project Manager, CU.

Field Supervisors (2): Responsible for monitoring the enumerators and checking their work. These were senior members from the district Health Office comprising the Malaria Coordinator and the Environmental Health Officer.

Data collectors (Enumerators) (20): Responsible for collecting household information. They were each deployed to a sampled village thereby interviewing 25 to 35 households per day. The enumerators were privately sourced and trained on the questionnaire.

Data clerks (4): Responsible for checking and entering data. Each were assigned data from a set of HCCAs.

Drivers (2): There were two vehicles involved in the exercise. Responsible for carrying personnel and materials to the field and to the data center.

30 personnel were involved in the PDCU over Two weeks.

11. Specific roles and responsibilities

Project Leader

- Ensure all logistical arrangements for the survey have been put in place
- Monitor, mentor and advise the Project Manager

- Produce reports

Project Manager

- Facilitate printing of questionnaires
- Liaise with Ministry of Health officials on sampling of villages and households
- Facilitate transport and booking of sampled villages
- Train and orient all the data enumerators involved in the exercise
- Train and orient the data entry 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 entry
- Liaise and monitor data capturing with data entry clerks
- Link data queries with supervisors for follow up

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 and provide a list of HHs visited and data collected as well as the data collected for those households by data collectors so the comparison is clear.
- Submit filled forms to the team leader.

Data collectors

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

Data Clerks

- Cross-check collected data
- Enter collected data correctly online
- Liaise with the team leader regarding any logistical challenges

12. Operations

i) Establish responsibilities and schedule

This includes management and personnel selection and establishing a project timeline

ii) Data collection orientation

A data collection orientation training was conducted to the 20 enumerators and two supervisors. During the orientation the participants were briefed and introduced on the content of the questionnaire and background of the objective of the survey as well as specific information how collect the data.

There were two supervisors both from the Health Sector of the District Assembly, namely the Malaria Coordinator and the ITN Coordinator (from the environmental Health) who played a role in checking how the enumerators are collecting the data and cross checking all the questionnaires from the enumerators before submitting them to the Survey Coordinator. The survey coordinator was responsible for accounting logistics and make sure that all forms have been verified and that they are fully filled before submitting them to the data entry team for online data entry.

iii) Data collection

Data collection was planned to take place in all the 14 health facilities in the district for a period of 12 days. Each enumerator was allocated a sampled village in each health facility on a particular day, allowing the teams to cover the twenty villages per day. There were two teams of ten enumerators and a supervisor in each team.

Supervisors monitored their work and check 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 HC catchment area is complete.

iv) Data entry

Data was entered from forms into an existing, online database provide by AMF. Three data entry clerks commenced entering data four weeks after the data collection starts (in the second week of November) to allow accumulation of forms for entry and easy coordination by the survey coordinator. Data entry was completed one week after end of the data collection phase.

v) Report to DHO/health leaders and AMF

Upon completing entering the data, all data has been presented and made available to the Malaria Coordinator and AMF. A summary was sent to the District Malaria Coordinator. The complete data set has also been passed to the District Malaria Coordinator to act on recommendations.

Results and discussions.

A total of 6,520 randomly selected households were interviewed representing 100% of the targeted households.

During the survey, it was established that from the 16,746 nets that had been distributed 10,031 nets were found to still be in hung use, representing 60%. The survey also found that out of the 16,746 nets that were distributed 4,095 AMF nets were present but not hung representing 24% while 530 AMF nets were missing representing 3%. 2,090 nets were found to have been worn out and not usable representing 12%. Refer the attachment 1.

Net Hung

Phimbi health facility recorded the highest number of nets hung by percentage since out of 973 received 715 were found to be in use representing 73%, while Balaka recorded the lowest percentage of nets found in use with 34% as out of 2,403 nets, 811 were found to be still in use.

Nets Present But Not Hung

Balaka health facility had the lowest number on nets that were found to be present but not being used, with 5% since out of 2,403 nets recorded there were 125 nets found, where as Chiyendausiku health facility registered the highest percentage as out of 679 nets received, 239 nets were present representing 35%.

Nets Missing

Balaka health facility had the lowest number of nets missing as out of 2,403 nets distributed it was leveled that 28 nets were missing representing, representing 1%. Kankao health facility had the highest number of nets recorded missing or not usable as out of 1,170 nets received, 769 nets were found to be present representing 5%.

Nets worn out

The district had an overall of 12% of the nets worn out, by health facility, it was revealed that Balaka healthy facility had a highest number of nets worn out since out of 2,403 nets distributed 1,439 nets were found to be worn out representing 60%, while Kwitanada DH had the lowest number of nets worn out as out of 938 nets received 2 nets were found to be worn out representing 0%.

NET CONDITION

The survey was also conducted to assess the net condition so that it should determine the precautionary measures and resolve the questions why we are having malaria cases despite the distributions. The net condition were Categorized into very Good, Good, Viable and Worn out.

Very Good Condition.

The district had an overall rating of 65% nets found in very good condition.

Kwitanda health facility had the highest very good rate of nets in good condition as of 697 nets visited 623 nets were in good condition representing a 92%. Where as Balaka health facility had the lowest rate of 7%.

Good condition

The district overall rating of the nets in good condition was 11%.

Ulongwe health facility had the highest rate of nets in good condition with 109 of 516 nets representing 21%. However, Phimbi and Kwitanada Two health facilities registered lowest good net condition levels as they both had 7% since they had 54 of 792 and 47 out of 679 nets received respectively.

Viable nets.

The district had an overall rating of 6% nets in viable condition.

Nandumbo had the highest viable rating at 6% of the visited nets. Nandumbo had 36 nets viable of the total 624 nets.Chiyendausiku, had the lowest 1% rate as it recorded three nets in viable condition of 414 nets visited respectively.

Worn out nets

The overall district worn out nets levels registered was 17%.

Balaka health facility registered the highest worn out mosquito net rate as it recorded 64%. Of the 14 health facilities in the district the lowest health facility to register the least worn out nets was Nadumbo Healthy Facility, which registered 1%.

The survey also revealed 18% of the total sleeping spaces were occupied by children under 5 years old; 39% was sleeping spaces occupied by children aged 5 to 18 years; 1% of the total sleeping spaces occupied by pregnant mothers while those aged over 10years occupied 42%.

Recommendations.

➢ We recommend that post distribution sensitization meetings should be conducted to remind the beneficiaries on the best ways of taking care of the nets and net hang utilization.

Appendix A – Data collection locations

A total of 6,520 households randomly selected from 228 villages, and visited unannounced were involved in the data collection.

	Health Centre	Health Facility registered Population	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	% of HHs in HF
1	Balaka DH	124,813	27,267	135	40	30%	35	1,400	5.1%
2	Chiyendausiku	20,597	4,631	39	9	23%	25	225	4.9%
3	Kalembo	45,560	9,628	46	20	43%	25	500	5.2%
4	Kankao	37,537	8,204	84	17	20%	25	425	5.2%
5	Kwitanda	34,955	7,894	71	11	15%	35	385	4.9%
6	Mbera	70,238	15,263	189	25	13%	30	750	4.9%
7	Mwima	40,464	9,042	59	18	31%	25	450	5.0%
8	Namanolo	48,489	10,025	31	20	65%	25	500	5.0%
9	Nandumbo	34,313	7,116	29	12	41%	30	360	5.1%
10	Phalula	30,480	6,852	64	14	22%	25	350	5.1%
11	Phimbi	31,881	7,205	83	15	18%	25	375	5.2%
12	Ulongwe	24,699	5,465	26	8	31%	35	280	5.1%
13	Utale 1	21,640	4,833	40	10	25%	25	250	5.2%
14	Utale 2	24,465	5,260	39	9	23%	30	270	5.1%
Total		590,131	128,685	935	228			6,520	5.1%
		42152.2143	9,191.79		20			466	5.1%

#	Health Center	# of villages sampled	5% of households	# of HHs per	1	2	3	4	5	6	7	8	9	10
1	Balaka DH	40	1400	35	Knadengwe	Kapile	Hanjahanja	Mbodzole	Lire	Kachisi	Ngoloje	Mandevu	Oddilo	Kanyumbaaka
					Mwangali	Kachikuni	Matola	Kalembera	Msiyamanda	Bulusi	Maliwata	Liwonde	Mponda A	Mphata
					Amonitsute	Dulani	Njale	Golowa	Nachamba	Chewadi	Chipinga	Mkomba	James	Lufeyo
					Muloya	Piritu	Kandodo	Ngwalo	Chapala	Katunga	Mulelemba	Saidi	Chimatilo	Sawali
2	Chiyendausi	9	225	25	Chikwasa	Chifodya	Mzakati	Kanjovu	Tsaidoni	Chioza	Kuntele	Chasinda	Kapito	
3	Kalembo	20	500	25	Batumeyo	Kapinuka	Lijera	Salimu	Chesani	Mazeze	Sande	White	Chiundi	Maleta
					Chitseko	Matiya	Mulilima	Nsulu	Nsaliwa	Nsuwo	Chikoko	Michesi	Ntonda	Mluma
4	Kankao	17	425	25	Bwemba	Kuchigamba	Mzito	Chibwana	Phasule	Kantande	Zandeya	Phillip	Mbeta	Mphenzi
					Joshua	Khoswe	Pakamwa	Chimpakati	Liwinza	Malakamu	Thamanda			
5	Kwitanda	11	385	35	Malamba	Fungulani	Chipoyo	Kambwiri	Chipumi	Nduta	Gwaladi	Makande	Bwanali	Kananji
					Mpembedza									
6	Mbera	25	750	30	Chamba	Kukada	Kasani	Nyanyira	Juma	Mpoto	Kabota	Sikelo	Kachenga	Ngambo
					Kalambo	Saiwala	Daudi	Samvera	Mposera	Chembera	Chipole	Chiganga	Lupiya	Chapweteka
					Msozo	Silika	Amanu	Kkamoto	Makande					
7	Mwima	18	450	25	Sumani	Chombe	Mpata	Chabwera	Magombo	Mwembe	Bokosi	Mpanje	Ngasale	Mtole
					Kasitomu	Nkanonga 1	Liundi	Chileka	HindaHinda	Mtende	Kusafali	Mandanda		
8	Namanolo	20	500	25	Kalambo	Thukuta	Mpata	Mwalabu	Chibotolo	Chapita 1	Katapila	Chilembwe	Namwera	Njale
					Matembera	Msamati 2	Ng'ombe	Mtonya	Mlenga	Mmanga 2	Wala	Disi	Chasuchira	John Wasili
9	Nandumbo	12	360	30	Bimbi	Naninji	Chipapa	Majikuta	Ndembwe	Milala	Nyanyika	Mapiko	Maselema	Kwenje
					Nyangwa	Mdoka								
10	Phalula	14	350	25	Khazibet	Ndundunde	Chitimbe	Chikondi	Mateyu	Mussa	Ben	Kameza	Lindadi	Sanudi
					Chiwengana	Mundira	Bamusi	Kuthambo						
11	Phimbi	15	375	25	Semani	Lupembe	Njera	Majamanda	Mankhokwe	Njovuyalema	Njerenje	Ali	Kayamba	Zalimu 1
					Magombo	Muluma	Ntaja	Matipani	Mbewe					
12	Ulongwe	8	280	35	Hoba	Kefa	Kawanga	Nkanda	Sapa	Chikolongo	Mwamadi	William		
13	Utale 1	10	250	25	Bona	Jingasiya	Mcheza	Sidreck	Mputi	Chambo	Namiyaka	Bemeyani	Nkaya	Ndimbwe
14	Utale 2	9	270	30	Malopa	Mereka	Wiliki	Sitima	Kanthiti	Utale	Chilunga	Kulilunga	Time	
		228	6520											

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

POST-DISTRIBUTION CHECK-UP OF MOSQUITO NET USAGE
AGAINST MALARIA FOUNDATION

Country:	Health Centre name:
Date of distribution:	Village name:
Reference:	Date of this survey:

Form Number:

To the Householder In the past, you received mosquito nets for free in a community distribution. We are conducting a survey of randomly selected households to assess net usage and net condition. We would like to ask for your permission to enter your home to gather this information. Information is gathered anonymously: your personal details are not recorded.

I agree to allow you to enter my home, in my presence, to assess the use and condition of my mosquito nets.
Signature of Householder

1. How many regularly used sleeping spaces are there in the household?

2. What is the condition of the HUNG nets?

	Brand of net (tick one)					Is it an AMF Net? ☑	Net condition (tick one)			How many slept under this net last night?				Net condition
	Olyset	Olyset Plus	PermaNet 2.0 3.0		Other		Very Good	OK	Poor	# Children Under 5	# Children 6 to 18	# Preg W	# Other adult	**Very Good** fewer than 2 holes of less than 2cm each
Ex.	○	○	✓ ○		○	☑	✓	○	○	1			1	
Net 1	○	○	○ ○		○	☐	○	○	○					**OK** fewer than 10 small holes
Net 2	○	○	○ ○		○	☐	○	○	○					
Net 3	○	○	○ ○		○	☐	○	○	○					
Net 4	○	○	○ ○		○	☐	○	○	○					**Poor** more than 10 small holes or 1 big hole, larger than 10 cm
Net 5	○	○	○ ○		○	☐	○	○	○					
Net 6	○	○	○ ○		○	☐	○	○	○					
Net 7	○	○	○ ○		○	☐	○	○	○					If there are more than 10 nets continue on another form (and mark both forms).
Net 8	○	○	○ ○		○	☐	○	○	○					
Net 9	○	○	○ ○		○	☐	○	○	○					
Net 10	○	○	○ ○		○	☐	○	○	○					

3. Of the Against Malaria Foundation nets ONLY:

Number originally received	Hung (= # ticked above)	Present but not hung ✳	Not present	
			Worn out	Other ✳
=	+	+	+	

✳Reason:

4. Does the householder know how to hang and use a net correctly? **Yes / No**
Please ask the householder to demonstrate how the nets are used at night if not obvious from the nets hanging

5. How many people in this household have had blood-test diagnosed malaria in the last month?

6. How many people are there in this household?

CERTIFICATION:
I certify the information in this form is correct

Surveyor's name and position:	Surveyor's organisation:	
		Official Stamp

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

Appendix C – Timeline

	Mon	Tues	Wed	Thurs	Fri	Sat
Activity	August					
Orientation	1					
Data Collection		2	3	4	5	
	8	9	10	11	12	
	15	16	17			
Data Entry	8th - 24th JAugust					
Report Writing	25TH - 16TH August					

Appendix D- RESULTS

Post-Distribution Check-Up (PDCU) for **Balaka, Malawi:** @ 6-months (August 2016)

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

#	Location	Date	Households Target	#	%	Forms Signed #	%	AMF Nets Nets received #	Hung #	%	Present Not Hung #	%	Missing #	%	Worn out/ not usable #	%	M+ WO %	Last entry on	
		03 Sep 2016	4,500	6,514		145	6,514 100	16,746	10,031	60	4,095	24	530	3	2,090	12	16		
1	DP199 Malawi, Balaka District Hospital, Balaka District	01 Sep 2016	900	1,400		156	1,400 100	2,403	811	34	125	5	28	1	1,439	60	61	12 Sep 2016 15:17	12 Sep 2016
2	DP199 Malawi, Chiyendausiku	23 Aug 2016	150	225		150	225 100	679	387	57	239	35	26	4	27	4	8	14 Sep 2016 13:46	14 Sep 2016
3	DP199 Malawi, Kalembo	18 Aug 2016	300	500		167	500 100	1,547	1,053	68	404	26	40	3	50	3	6	17 Sep 2016 20:49	17 Sep 2016
4	DP199 Malawi, Kankao	29 Aug 2016	300	424		141	424 100	1,170	769	66	306	26	62	5	33	3	8	14 Sep 2016 08:46	14 Sep 2016
5	DP199 Malawi, Kwitanda	24 Aug 2016	300	385		128	385 100	938	677	72	238	25	21	2	2	0	2	19 Sep 2016 07:02	19 Sep 2016
6	DP199 Malawi, Mbera Health Centre, Balaka District	01 Sep 2016	500	748		150	748 100	2,143	1,265	59	714	33	63	3	101	5	8	15 Sep 2016 07:42	15 Sep 2016
7	DP199 Malawi, Mwima	19 Jun 2016	300	450		150	450 100	1,222	825	68	320	26	47	4	30	2	6	16 Sep 2016 20:55	16 Sep 2016
8	DP199 Malawi, Namandolo	22 Aug 2016	350	500		143	500 100	1,453	862	59	397	27	57	4	137	9	13	15 Sep 2016 10:19	15 Sep 2016
9	DP199 Malawi, Nandumbo	24 Aug 2016	200	358		179	358 100	997	617	62	334	34	39	4	7	1	5	19 Sep 2016 08:09	19 Sep 2016
10	DP199 Malawi, Phalula	28 Aug 2016	300	349		116	349 100	915	592	65	226	25	41	4	56	6	11	14 Sep 2016 14:12	14 Sep 2016
11	DP199 Malawi, Phimbi	28 Aug 2016	300	375		125	375 100	973	715	73	158	16	23	2	77	8	10	18 Sep 2016 12:01	18 Sep 2016
12	DP199 Malawi, Ulongwe	29 Aug 2016	200	280		140	280 100	728	448	62	186	26	26	4	68	9	13	19 Sep 2016 07:35	19 Sep 2016
13	DP199 Malawi, Utale I	25 Aug 2016	200	250		125	250 100	736	472	64	210	29	28	4	26	4	7	17 Sep 2016 10:41	17 Sep 2016
14	DP199 Malawi, Utale II	03 Sep 2016	200	270		135	270 100	842	538	64	238	28	29	3	37	4	8	16 Sep 2016 14:24	16 Sep 2016

Key

Forms Signed	0%	> 95%	> 96%	> 98+%	Green - Very good
Nets Hung	0%	> 73%	> 79%	> 85+%	Light Green - Good
Nets Present Not Hung	100%	> 18%	> 16%	> 10-%	Orange - Acceptable
Nets Missing (M)	100%	> 7%	> 5%	> 4-%	Red - Recommend action is taken
Nets Worn Out (WO)	100%	> 2%	> 0%	> 0-%	
M + WO	100%	> 2%	> 0%	> 0-%	

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 a 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 Balaka, Malawi: @ 6-months (August 2016)

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

AMF Nets

Job	Total	Very Good #	%	Good #	%	Viable #	%	Worn out #	%	Rating
	12,111	7,928	65	1,340	11	753	6	2,090	17	36
1 DP199 Malawi, Balaka District Hospital, Balaka District	2250	150	7	128	6	533	24	1,439	64	5
2 DP199 Malawi, Chiyendausiku	414	356	86	28	7	3	1	27	7	48
3 DP199 Malawi, Kalembo	1103	802	73	224	20	27	2	50	5	48
4 DP199 Malawi, Kankao	802	653	81	90	11	26	3	33	4	49
5 DP199 Malawi, Kwitanda	679	623	92	47	7	7	1	2	0	72
6 DP199 Malawi, Mbera Health Centre, Balaka District	1366	1188	87	63	5	14	1	101	7	47
7 DP199 Malawi, Mwima	855	700	82	104	12	21	2	30	4	50
8 DP199 Malawi, Namandolo	999	671	67	144	14	47	5	137	14	39
9 DP199 Malawi, Nandumbo	624	480	77	101	16	36	6	7	1	53
10 DP199 Malawi, Phalula	648	456	70	127	20	9	1	56	9	44
11 DP199 Malawi, Phimbi	792	654	83	54	7	7	1	77	10	45
12 DP199 Malawi, Ulongwe	516	332	64	109	21	7	1	68	13	40
13 DP199 Malawi, Utale I	498	407	82	58	12	7	1	26	5	49
14 DP199 Malawi, Utale II	575	462	80	66	11	10	2	37	6	47

AMF Olyset nets

Job	Total	Very Good #	%	Good #	%	Viable #	%	Worn out #	%	Rating
	6,346	4,019	63	733	12	499	8	1,095	17	35
1	1,554	82	5	107	7	371	24	994	64	5
2	43	33	77	5	12	2	5	3	7	46
3	598	428	72	123	21	20	3	27	5	48
4	408	335	82	45	11	11	3	17	4	50
5	346	313	90	27	8	5	1	1	0	69
6	714	625	88	27	4	9	1	53	7	47
7	460	388	84	41	9	15	3	16	3	51
8	497	334	67	70	14	25	5	68	14	39
9	260	181	70	58	22	18	7	3	1	50
10	274	201	73	44	16	5	2	24	9	44
11	444	368	83	30	7	3	1	43	10	45
12	488	321	66	96	20	7	1	64	13	40
13	235	191	81	28	12	4	2	12	5	49
14	273	219	80	32	12	4	1	18	7	47

AMF Permanet nets

Job	Total	Very Good #	%	Good #	%	Viable #	%	Worn out #	%	Rating
	5,765	3,909	68	607	11	254	4	995	17	36
1	691	67	10	21	3	161	23	442	64	5
2	371	323	87	23	6	1	0	24	6	48
3	504	374	74	100	20	7	1	23	5	48
4	394	318	81	45	11	15	4	16	4	49
5	331	308	93	20	6	2	1	1	0	76
6	650	562	86	35	5	5	1	48	7	47
7	393	311	79	62	16	6	2	14	4	50
8	502	337	67	74	15	22	4	69	14	39
9	364	299	82	43	12	18	5	4	1	56
10	374	255	68	83	22	4	1	32	9	44
11	348	286	82	24	7	4	1	34	10	45
12	28	11	39	13	46	0	0	4	14	56
13	263	216	82	30	11	3	1	14	5	49
14	301	242	80	34	11	6	2	19	6	47

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 August**
Data entry schedule: **from August**
Checking and analyis expected to be complete: September 201
LIVE - Data shown are updated in real time
Data entered as at: 30 Jan 2017 12:23

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

AMF Nets

Job	Total	Very Good #	Very Good %	Good #	Good %	Viable #	Viable %	Worn out #	Worn out %	Rating
	12,111	7,928	65	1,340	11	753	6	2,090	17	36
1 DP199 Malawi, Balaka District Hospital, Balaka District	2250	150	7	128	6	533	24	1,439	64	5
2 DP199 Malawi, Chiyendausiku	414	356	86	28	7	3	1	27	7	48
3 DP199 Malawi, Kalembo	1103	802	73	224	20	27	2	50	5	48
4 DP199 Malawi, Kankao	802	653	81	90	11	26	3	33	4	49
5 DP199 Malawi, Kwitanda	679	623	92	47	7	7	1	2	0	72
6 DP199 Malawi, Mbera Health Centre, Balaka District	1366	1188	87	63	5	14	1	101	7	47
7 DP199 Malawi, Mwima	855	700	82	104	12	21	2	30	4	50
8 DP199 Malawi, Namandolo	999	671	67	144	14	47	5	137	14	39
9 DP199 Malawi, Nandumbo	624	480	77	101	16	36	6	7	1	53
10 DP199 Malawi, Phalula	648	456	70	127	20	9	1	56	9	44
11 DP199 Malawi, Phimbi	792	654	83	54	7	7	1	77	10	45
12 DP199 Malawi, Ulongwe	516	332	64	109	21	7	1	68	13	40
13 DP199 Malawi, Utale I	498	407	82	58	12	7	1	26	5	49
14 DP199 Malawi, Utale II	575	462	80	66	11	10	2	37	6	47

AMF Olyset nets

Total	Very Good #	Very Good %	Good #	Good %	Viable #	Viable %	Worn out #	Worn out %	Rating
6,346	4,019	63	733	12	499	8	1,095	17	35
1,554	82	5	107	7	371	24	994	64	5
43	33	77	5	12	2	5	3	7	46
598	428	72	123	21	20	3	27	5	48
408	335	82	45	11	11	3	17	4	50
346	313	90	27	8	5	1	1	0	69
714	625	88	27	4	9	1	53	7	47
460	388	84	41	9	15	3	16	3	51
497	334	67	70	14	25	5	68	14	39
260	181	70	58	22	18	7	3	1	50
274	201	73	44	16	5	2	24	9	44
444	368	83	30	7	3	1	43	10	45
488	321	66	96	20	7	1	64	13	40
235	191	81	28	12	4	2	12	5	49
273	219	80	32	12	4	1	18	7	47

AMF Permanet nets

Total	Very Good #	Very Good %	Good #	Good %	Viable #	Viable %	Worn out #	Worn out %	Rating
5,765	3,909	68	607	11	254	4	995	17	36
691	67	10	21	3	161	23	442	64	5
371	323	87	23	6	1	0	24	6	48
504	374	74	100	20	7	1	23	5	48
394	318	81	45	11	15	4	16	4	49
331	308	93	20	6	2	1	1	0	76
650	562	86	35	5	5	1	48	7	47
393	311	79	62	16	6	2	14	4	50
502	337	67	74	15	22	4	69	14	39
364	299	82	43	12	18	5	4	1	56
374	255	68	83	22	4	1	32	9	44
348	286	82	24	7	4	1	34	10	45
28	11	39	13	46	0	0	4	14	36
263	216	82	30	11	3	1	14	5	49
301	242	80	34	11	6	2	19	6	47

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.