

Ntcheu District, Malawi
12 months Post Distribution Survey Report
For
Against Malaria Foundation

From: Thomas Makwinja, Concern Universal, Malawi

Chronology and Executive Summary

**- Jan-Apr 2012: Distribution of 270,00 LLINs (Ntcheu District population: 550,000)
(Majority distributed in Jan and Feb)**

- Jun 2012: Post distribution survey at 6 months

(AMF summary added)

- 7,646 randomly selected households were visited and 15,735 nets surveyed (6% of the nets distributed) across the 37 health centre catchment areas.
- 90% of the nets were found to be hung and in use. For 10 of the areas the average was 84% (range 78-88%) and for 27 of the areas the average was 95% (range 91-98%).
- This is a high hang-up level.
- 99% of the nets were found to be in 'very good' condition (fewer than 2 holes of up to 2cms in size).
- The condition of the nets when compared with our expectations is: *excellent*

This report:

- Apr/May 2013: Post distribution survey at 12 months

(AMF summary added)

- 9,250 randomly selected households were visited and 18,580 nets surveyed (7% of the nets distributed) across the 37 health centre catchment areas.
- 85% of the nets were found to be hung and in use. For 21 of the areas the average was 91% (range 84-95%) and for 16 of the areas the average was 78% (range 71-82%).
- This is a high average hang-up level after 12 months, albeit 16 of 37 areas have the potential for higher levels of hang up.
- 89% of the nets were found to be in 'very good' condition (fewer than 2 holes of up to 2cms in size).
- The condition of the nets when compared with our expectations is: *excellent*

POST DISTRIBUTION SURVEY-12 MONTH SUMMARY DOCUMENT

INTRODUCTION

The Malawi government through the directorate of preventive health services in the ministry of health established the National Malaria Control Programme (NMCP) with the goal of reducing the level of malaria related morbidity and mortality from 2004 figures by 50% by 2010 and 75% by 2015. To achieve these goals the NMCP laid down malaria preventive and control interventions which included health promotion, distribution and usage of Long Lasting Insecticide treated Nets (LLIN), intermittent presumptive treatment for malaria in pregnancy and indoor residual spray as primary malaria preventive interventions.

The government of Malawi with assistance from the Global Fund and other partners was in 2011 to 2012 implementing a universal coverage national campaign with long lasting insecticide nets. Various donors were contributing LLINs for the national campaign like: Global Fund to fight Aids, Tuberculosis and Malaria offered 4,740,480 LLIN, USAID's President's Malaria Initiative, 477,000 LLINs; Against Malaria Foundation contributed 268,000 LLINs and Millennium Village Project 30,000 LLIN nets.

It is against this background that Concern Universal Malawi and Ntcheu District Council conducted a Universal Long Lasting Insecticide Net (LLIN) Distribution Programme across Ntcheu District as part of the National Malaria Control Programme Universal distribution campaign. Against Malaria Foundation provided the 268,000 LLINs for distribution in Ntcheu District whilst funds for distribution operations were provided by Irish Aid. This stock of nets was sufficient to ensure coverage of every sleeping space in Ntcheu District.

An eighteen months post-distribution survey was conducted from April to May 2013 to examine household Long Lasting Insecticide treated Nets (LLINs) correct usage, hung up percentage of LLINs and condition of LLINs in 250 households at each Health centre. Ntcheu district has 37 health facilities.

HOW THE WORK WAS PLANNED

The PDS took place from fourth week of April to second week of May 2013 for the data collection from all the thirty seven health facilities and data entry started soon after the data collection started two days after data collection. The survey reached 250 households randomly selected from each health centre.

The first three days was orientation of the survey form for the sixteen data collectors. During the orientation procedure for identifying the household was discussed based

(random sampling) on the house hold listing that was available. The orientation included the pretesting of the survey form.

The training was done by concern universal staff main areas covered during the orientation were: Logic of the survey form (net condition, type of the net, and who provided the nets like AMF nets, number of sleeping spaces and hung nets against the received nets), random sampling, interview guide and lastly pretesting of the survey form.

WHAT MECHANISM WAS USED TO RANDOMLY SELECT THE HOUSEHOLDS?

Ntcheu district has 37 Health facilities. The standard sample size for each health facility was 250 respondents in each health facility (catchment Area). The health facility catchment area was taken as one area. Therefore Ntcheu district had a total of 9250 samples.

Ten villages in each catchment area were selected using Probability Proportional to size sampling (PPS) method. The process involved reviewing data from both Ministry of Health list of villages under each catchment area, calculating the cumulative population for each catchment area, calculating the sampling interval by dividing total cumulative population by 10 and choosing the random number using the Random Number Table to determine the first village to be interviewed. This generated a list of 10 villages to be interviewed. The number ten was chosen due to the budget and time. With this process villages with larger population had higher chances of being selected. The process of village selection was done prior to the data collection during the training so that the EHOs should understand and appreciate the process of random sampling.

In the village households for interview were randomly selected using the household list from Net distribution register. Using a random number table the reference household was selected from this reference household the nearest household was taken using the nearest household 25 households were reached in each area. The household interviewed was supposed to have received the LLINs during the 2011/2012 AMF nets distribution as eligibility for being interviewed. If the household did not receive the AMF nets the next nearest household was taken until the number of twenty five was reached. If it happens that villages close by were selected the household interviewed were marked PDS showing that interview has already taken place. In the household heads men or women were interviewed upon given consent and form was signed to indicate acceptance.

Criteria for Selecting Data Collectors & Supervisors

The selection of Data Collectors was based on those that were coming within the district health office mainly Environmental Health Officers (EHOs) who are the supervisors for

the Health Surveillance Assistants and are aware of the catchment areas and those that will be availability for the entire exercise period and committed to random sampling.

How the work was done

There were 16 EHOs that were divided into two teams each team was visiting one health facility per day guided by one team leader who was responsible to check that data collection was done as planned (random selection) and the selected villages was visited. The two team leaders were the district Malaria Coordinator and his deputy. Each team was allocated with one vehicle. The team leader makes sure that each data collector has taken and submitted the survey forms that were well filled. The data collection was done in twelve days. There was one health surveillance assistant from each health facility to lead the teams to the selected villages and was also responsible for booking the communities on the visiting team from the district but the subject matter was not given to the communities. This was deliberate done not to alert the communities so that the real situation was found on the ground..

There was one concern universal staff that was responsible making sure that all the survey forms have been photocopied, daily transport arrangements (fuelling) and that all daily filled survey forms are reaching the data entry team and other logistics. At times this person was going around checking the villages and households visited.

Data entry

There were two data entry personnel who had knowledge in basic computer use. Data entry started soon after data collection (two days after data collection). The team was responsible for data entry and latter editing. It was planned that data entry first and editing latter but it was then changed to data editing after each facility was finished. The data entry and editing took over one and half months which was initially planned for fifteen days.

There was one staff from concern universal who was responsible for the data checking during data entry this was done by taking a sample of questionnaire and see if they were entered correctly where the data was not correctly entered the responsible data entry staff was notified. This person was able to detect simple errors made by data entry team members.

THE COST OF CONDUCTING THE SURVEY

In the first place we thought of using the Health Surveillance Assistants but the process looks long and had higher costs. This process would mean going to health facilities for two to three times (orientation to each facility, data collection supervision and collection filled survey forms).

The survey expenses were in excess of 2.8 million Malawi kwacha refers to the detailed budget below:

BUDGET FOR THE POST DISTRIBUTION SURVEY

No	ITEM	QTY	UNIT COST	# OF DAYS	TOTAL
1	DATA COLLECTORS	16	6500	15	1560000
2	TEAM SUPERVISORS	2	6500	15	195000
3	DATA ENTRY CLERCKS	2	6500	15	195000
4	HEALTH FACILITY HSAs	1	1500	37	55500
5	REFRESHMENTS	20	400	1	8000
6	PENCILS	20	50	1	1000
7	SHAPERNERS	20	100	1	2000
8	TONER	1	40000	1	40000
9	PENS	20	60	1	1200
10	INK PADS	20	300	1	6000
11	REAMS OF PAPER	10	2350	1	23500
12	FUEL	80	714.9	12	686304
13	INK/INK PADS	20	600	2	24000
14	FILE FOLDERS (PLASTIC)	20	200	1	4000
	TOTAL				Mk 2,801,504

WHAT WENT WELL?

- All the selected villages were visited.
- Survey was easily understood by the data collectors less mistakes.
- The survey form was short only one page of two forms which was ideal for the interviewees and interviewers hence we did not use a lot of papers.
- 250 households were visited per each health facility.
- Communities/household heads were allowing the data collection teams to enter into their households to see hung nets and condition.
- Transport was available throughout the exercise.
- Management support and commitment towards the activity concern universal and MOH as staff were not called for other activities.

- The data collectors were available throughout the whole exercise.

WHAT DID NOT GO WELL?

- In some villages (six) there were funerals so the teams had to cancel and re-plan the visits.
- Internet problem let us to take long time to finish data entry as well (frustrating situation).
- Changing of the survey form when the data collection was in progress.
- The data entry team demanded for extra money as they spent more days than planned.
- There was no budget line for the activity hence we lost time during the process of identifying where to take the resources.

LESSONS LEARNED

- There is need to create the budgets for this activity during the next surveys form.
- The data entry team has to be allowed to do it where internet is working well.
- EHOs who were involved during the process of net distribution were able to catch the process fast than those who were not part of the distribution exercise.
- The data entry team need to be paid per health facility entered and edited.
- Random sampling gave a chance to villages that were in remote areas to be visited of would not have been visited if random sampling was not done.
- Communities were not told of the survey hence real situation was found on the ground as compared if they would have been told of the survey.

ANY FURTHER COMMENTS

- There is need to integrate this process into the Environmental Health Officers monitoring system so that the district should be able to monitor and use the data in future.
- Depending on the situation of the district this training should be thought of during the net distribution orientation to Health Surveillance Assistants and be incorporated in the monitoring forms of Health Surveillance Assistants so that it should cut costs.



Post-Distribution Summary for Ntcheu, Malawi - 12 month survey

Survey schedule: 16th - 26th April

Data entry schedule: 17th April - 7th May

The results are being entered as the survey forms come in. The data below are being updated in real time.

We will then check and analyse the data before adding them to the main Ntcheu page.

Forms Signed **0%** > 90% > 95+%
 Nets Missing **100%** > 6% > 3-%
 Nets Hung **0%** > 72% > 87+%
 Nets Present Not Hung **100%** > 10% > 5-%
 Worn Out **100%** > 5% > 4-%

Accounting for AMF Nets Condition of the AMF nets Usage of the nets Comments

Job ID	Job	Date	Households	Forms Signed		AMF nets received	Missing		Hung		Present Not Hung		Worn out/ not usable		Last entry on			
				#	%	#	#	%	#	%	#	%	#	%				
			28 May 2013	9,250	9,247	100	18,560	465	3	15,777	85	1801	10	517	3			
1	667 DP184 Malawi, Ganya	28 May 2013	250	250	100	501	6	1	472	94	7	1	16	3	15 Jun 2013	11:41	A few seconds ago	
2	670 DP184 Malawi, Lizulu	06 May 2013	250	250	100	474	2	0	446	94	19	4	7	1	15 Jun 2013	11:19	21 minutes ago	
3	675 DP184 Malawi, Muluma	06 May 2013	250	249	100	467	5	1	442	95	11	2	9	2	15 Jun 2013	11:05	35 minutes ago	
4	658 DP184 Malawi, Chikande	16 May 2013	250	250	100	442	7	2	418	95	7	2	10	2	15 Jun 2013	11:01	39 minutes ago	
5	685 DP184 Malawi, Dzunje	16 May 2013	250	250	100	464	5	1	440	95	0	0	19	4	15 Jun 2013	10:56	44 minutes ago	
6	668 DP184 Malawi, Kasinje	14 May 2013	250	250	100	513	5	1	483	94	8	2	17	3	15 Jun 2013	10:48	52 minutes ago	
7	659 DP184 Malawi, Bilila	16 May 2013	250	250	100	482	3	1	437	91	9	2	33	7	15 Jun 2013	10:20	1 hour ago	
8	681 DP184 Malawi, Namisu	14 May 2013	250	250	100	428	1	0	412	96	8	2	7	2	15 Jun 2013	10:08	1 hour ago	
9	661 DP184 Malawi, Mlangeni	26 Apr 2013	250	248	99	468	2	0	448	96	16	3	2	0	15 Jun 2013	09:50	1 hour ago	
10	655 DP184 Malawi, Doviko	17 Apr 2013	250	250	100	502	1	0	450	90	45	9	6	1	15 Jun 2013	08:47	2 hours ago	
11	657 DP184 Malawi, Katsakera	18 Apr 2013	250	250	100	501	11	2	440	88	40	8	10	2	15 Jun 2013	08:47	2 hours ago	
12	687 DP184 Malawi, Nsiyaludzu	25 Apr 2013	250	250	100	489	8	2	400	82	74	15	7	1	15 Jun 2013	08:43	2 hours ago	
13	686 DP184 Malawi, Champiti	29 Apr 2013	250	250	100	445	15	3	403	91	19	4	8	2	06 Jun 2013	09:52	06 Jun 2013	
14	677 DP184 Malawi, Manjawira	26 Apr 2013	250	250	100	486	19	4	385	79	48	10	34	7	06 Jun 2013	06:10	06 Jun 2013	
15	680 DP184 Malawi, Dzonzi	30 Apr 2013	250	250	100	474	15	3	390	82	56	12	13	3	06 Jun 2013	05:57	06 Jun 2013	
16	674 DP184 Malawi, Mphepozinai	20 Apr 2013	250	250	100	480	8	2	428	89	43	9	1	0	05 Jun 2013	06:11	05 Jun 2013	
17	664 DP184 Malawi, Sharpevalley	30 Apr 2013	250	250	100	529	32	6	382	72	81	15	34	6	22 May 2013	06:11	22 May 2013	
18	676 DP184 Malawi, Gowa	22 Apr 2013	250	250	100	622	45	7	450	72	104	17	23	4	16 May 2013	15:07	16 May 2013	
19	662 DP184 Malawi, Lakeview	19 Apr 2013	250	250	100	524	24	5	408	78	79	15	13	2	16 May 2013	13:01	16 May 2013	
20	665 DP184 Malawi, Kampanje	22 Apr 2013	250	250	100	439	13	3	362	82	39	9	25	6	16 May 2013	10:38	16 May 2013	
21	678 DP184 Malawi, Senzani	03 Dec 2012	250	250	100	544	15	3	420	77	53	10	56	10	15 May 2013	11:29	15 May 2013	
22	682 DP184 Malawi, Kapeni	25 Apr 2013	250	250	100	504	28	6	402	80	38	8	36	7	15 May 2013	10:03	15 May 2013	
23	663 DP184 Malawi, Bwanje	24 Apr 2013	250	250	100	521	19	4	463	89	32	6	7	1	15 May 2013	09:15	15 May 2013	
24	666 DP184 Malawi, Kandeu	01 May 2013	250	250	100	495	2	0	433	87	50	10	10	2	13 May 2013	15:28	13 May 2013	
25	683 DP184 Malawi, Ntonda	25 Apr 2013	250	250	100	515	16	3	415	81	66	13	18	3	13 May 2013	11:37	13 May 2013	
26	656 DP184 Malawi, Matanda	19 Apr 2013	250	250	100	493	24	5	423	86	41	8	5	1	10 May 2013	13:30	10 May 2013	
27	671 DP184 Malawi, Mlanda	19 Apr 2013	250	250	100	573	12	2	459	80	86	15	16	3	10 May 2013	10:31	10 May 2013	
28	689 DP184 Malawi, Ntcheu	18 Apr 2013	250	250	100	549	21	4	461	84	53	10	14	3	09 May 2013	21:28	09 May 2013	
29	679 DP184 Malawi, Mzama	18 Apr 2013	250	250	100	499	14	3	410	82	62	12	13	3	09 May 2013	21:14	09 May 2013	
30	673 DP184 Malawi, Chigodi	22 Apr 2013	250	250	100	481	11	2	382	79	82	17	6	1	09 May 2013	18:40	09 May 2013	
31	654 DP184 Malawi, Tsangano	17 Apr 2013	250	250	100	549	6	1	392	71	143	26	8	1	09 May 2013	16:13	09 May 2013	
32	688 DP184 Malawi, Mikoke	25 Apr 2013	250	250	100	456	19	4	364	80	71	16	2	0	07 May 2013	09:24	07 May 2013	
33	672 DP184 Malawi, Masasa	19 Apr 2013	250	250	100	494	13	3	377	76	100	20	4	1	07 May 2013	07:32	07 May 2013	
34	660 DP184 Malawi, Biriwiri	16 Apr 2013	250	250	100	513	13	3	479	93	19	4	2	0	04 May 2013	15:47	04 May 2013	
35	684 DP184 Malawi, Nsipe	24 Apr 2013	250	250	100	545	3	1	404	74	128	23	10	2	04 May 2013	14:55	04 May 2013	
36	690 DP184 Malawi, Chirole	18 Apr 2013	250	250	100	555	10	2	500	90	39	7	6	1	04 May 2013	06:52	04 May 2013	
37	669 DP184 Malawi, Phanga	23 Apr 2013	250	250	100	544	12	2	497	91	25	5	10	2	03 May 2013	16:25	03 May 2013	



Post-Distribution Summary for Ntcheu, Malawi - 12 month survey

Very Good **0%** > 30% > 65+%
 OK **100%** > 60% > 30-%
 Poor **100%** > 10% > 5-%
 Worn Out **100%** > 5%

Accounting for AMF Nets Condition of the AMF nets Usage of the nets Comments

Job ID	Job	AMF Nets										AMF Olyset nets						AMF Permanet nets						
		Total	Very Good		OK		Poor		Worn out		Total	Very Good		OK		Poor		Total	Very Good		OK		Poor	
			#	%	#	%	#	%	#	%		#	%	#	%	#	%		#	%	#	%	#	%
		16,291	14,594	90	900	6	280	2	517	3	11,518	10,729	93	580	5	209	2	4,249	3,858	91	320	8	71	2
1	667 DP184 Malawi, Ganya	488	457	94	11	2	4	1	16	3	471	457	97	10	2	4	1	1	0	0	1	100	0	0
2	670 DP184 Malawi, Lizulu	453	425	94	14	3	7	2	7	2	437	421	96	12	3	4	1	9	4	44	2	22	3	33
3	675 DP184 Malawi, Muluma	451	426	94	12	3	4	1	9	2	432	426	99	5	1	1	0	10	0	0	7	70	3	30
4	658 DP184 Malawi, Chikande	428	403	94	10	2	5	1	10	2	415	402	97	9	2	4	1	3	1	33	1	33	1	33
5	685 DP184 Malawi, Dzunje	459	409	89	14	3	17	4	19	4	439	408	93	14	3	17	4	1	1	100	0	0	0	0
6	668 DP184 Malawi, Kasinje	500	465	93	10	2	8	2	17	3	478	464	97	9	2	5	1	5	1	20	1	20	3	60
7	659 DP184 Malawi, Bilila	470	399	85	21	4	17	4	33	7	434	398	92	20	5	16	4	3	1	33	1	33	1	33
8	681 DP184 Malawi, Namisu	419	400	95	11	3	1	0	7	2	406	400	99	5	1	1	0	6	0	0	6	100	0	0
9	661 DP184 Malawi, Mlangeni	451	429	95	15	3	5	1	2	0	439	429	98	6	1	4	1	10	0	0	9	90	1	10
10	655 DP184 Malawi, Doviko	456	396	87	44	10	10	2	6	1	254	220	87	30	12	4	2	196	176	90	14	7	6	3
11	657 DP184 Malawi, Katsakera	450	359	80	65	14	16	4	10	2	425	350	82	62	15	13	3	15	9	60	3	20	3	20
12	687 DP184 Malawi, Nsiyaludzu	405	378	93	14	3	6	1	7	2	386	367	95	13	3	6	2	6	5	83	1	17	0	0
13	686 DP184 Malawi, Champiti	411	391	95	8	2	4	1	8	2	400	388	97	8	2	4	1	2	2	100	0	0	0	0
14	677 DP184 Malawi, Manjawira	419	362	86	19	5	4	1	34	8	385	362	94	19	5	4	1	0	0	0	0	0	0	0
15	680 DP184 Malawi, Dzonzi	403	373	93	11	3	6	1	13	3	379	362	96	11	3	6	2	11	11	100	0	0	0	0
16	674 DP184 Malawi, Mphepozinai	429	389	91	30	7	9	2	1	0	14	12	86	1	7	1	7	414	377	91	29	7	8	2
17	664 DP184 Malawi, Sharpevalley	416	361	87	21	5	0	0	34	8	48	45	94	3	6	0	0	334	316	95	18	5	0	0
18	676 DP184 Malawi, Gowa	473	437	92	13	3	0	0	23	5	1	1	100	0	0	0	0	449	436	97	13	3	0	0
19	662 DP184 Malawi, Lakeview	421	391	93	17	4	0	0	13	3	210	206	98	4	2	0	0	198	185	93	13	7	0	0
20	665 DP184 Malawi, Kampanje	387	340	88	20	5	2	1	25	6	27	27	100	0	0	0	0	335	313	93	20	6	2	1
21	678 DP184 Malawi, Senzani	476	400	84	16	3	4	1	56	12	420	400	95	16	4	4	1	0	0	0	0	0	0	0
22	682 DP184 Malawi, Kapeni	438	325	74	71	16	6	1	36	8	398	321	81	71	18	6	2	4	4	100	0	0	0	0
23	663 DP184 Malawi, Bwanje	470	425	90	29	6	9	2	7	1	357	325	91	24	7	8	2	106	100	94	5	5	1	1
24	666 DP184 Malawi, Kandeu	443	423	95	7	2	3	1	10	2	422	412	98	7	2	3	1	11	11	100	0	0	0	0
25	683 DP184 Malawi, Ntonda	433	408	94	6	1	1	0	18	4	415	408	98	6	1	1	0	0	0	0	0	0	0	0
26	656 DP184 Malawi, Matanda	427	371	87	47	11	4	1	5	1	421	371	88	46	11	4	1	1	0	0	1	100	0	0
27	671 DP184 Malawi, Mlanda	475	428	90	23	5	8	2	16	3	1	1	100	0	0	0	0	458	427	93	23	5	8	2
28	689 DP184 Malawi, Ntcheu	475	423	89	31	7	7	1	14	3	359	322	90	31	9	6	2	102	101	99	0	0	1	1
29	679 DP184 Malawi, Mzama	423	367	87	35	8	8	2	13	3	400	362	90	30	8	8	2	10	5	50	5	50	0	0
30	673 DP184 Malawi, Chigodi	388	298	77	71	18	13	3	6	2	83	82	99	1	1	0	0	299	216	72	70	23	13	4
31	654 DP184 Malawi, Tsangano	400	348	87	23	6	21	5	8	2	345	302	88	22	6	21	6	47	46	98	1	2	0	0
32	688 DP184 Malawi, Mikoke	366	337	92	24	7	3	1	2	1	363	336	93	24	7	3	1	1	1	100	0	0	0	0
33	672 DP184 Malawi, Masasa	381	331	87	37	10	9	2	4	1	20	20	100	0	0	0	0	357	311	87	37	10	9	3
34	660 DP184 Malawi, Biriwiri	481	451	94	24	5	4	1	2	0	46	40	87	6	13	0	0	433	411	95	18	4	4	1
35	684 DP184 Malawi, Nsipe	414	379	92	12	3	13	3	10	2	403	378	94	12	3	13	3	1	1	100	0	0	0	0
36	690 DP184 Malawi, Chiole	505	470	93	24	5	5	1	6	1	93	89	96	3	3	1	1	406	381	94	21	5	4	1
37	669 DP184 Malawi, Phanga	507	420	83	40	8	37	7	10	2	492	415	84	40	8	37	8	5	5	100	0	0	0	0



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Accounting for AMF Nets Condition of the AMF nets Usage of the nets Comments

Job ID	Job	Nets Used				Household used				People sleeping under nets								Coverage				Malaria in last month				Type of AMF nets			Type of all nets					
		Correctly		Not Correctly		Correctly		Not Correctly		Children under 5		Children		Pregnant		Adults		Total	Sleeping spaces		People		Households		People		Oly	Perm	?	Oly	Perm	?		
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	#	Covered	%	#	Covered	%	#	%	#	%	#	%	#	%		
		15,721	98	357	2,880	96	330	4,689	17,9,606	34	706	3	13,204	47	28,205	19,275	16,078	83	33,375	28,205	85	1330	14	1,696	5	11,518	4,249	7	11,525	4,252	301			
1	667 DP184 Malawi, Ganya	467	99	7	1	248	99	2	1	103	22	90	19	43	9	240	150	476	512	474	93	515	476	92	1	0	2	0	471	1	0	473	1	0
2	670 DP184 Malawi, Lizulu	450	100	1	0	246	98	4	2	110	59	114	120	63	30	214	92	501	497	451	91	537	501	93	4	2	4	1	437	9	0	440	9	2
3	675 DP184 Malawi, Muluma	440	99	4	1	246	98	4	2	103	26	145	179	42	8	252	87	542	511	444	87	586	542	92	15	6	18	3	432	10	0	432	10	2
4	658 DP184 Malawi, Chikande	407	97	11	3	242	97	8	3	92	55	82	52	18	4	229	88	421	442	418	95	451	421	93	0	0	0	0	415	3	0	415	3	0
5	685 DP184 Malawi, Dzunje	420	95	20	5	238	95	12	5	89	20	80	18	27	6	247	156	443	472	440	93	472	443	94	0	0	0	0	439	1	0	439	1	0
6	668 DP184 Malawi, Kasinje	468	97	16	3	243	97	7	3	123	63	116	49	38	20	210	68	487	554	484	87	541	487	90	2	1	2	0	478	5	0	478	5	1
7	659 DP184 Malawi, Billia	424	97	13	3	240	96	10	4	98	65	91	21	23	34	235	82	447	481	437	91	507	447	88	1	0	1	0	434	3	0	434	3	0
8	681 DP184 Malawi, Namisu	401	97	11	3	242	97	8	3	93	34	113	52	22	30	194	84	422	442	412	93	445	422	95	1	0	1	0	406	6	0	406	6	0
9	661 DP184 Malawi, Mlangeni	448	100	1	0	248	99	2	1	89	29	103	58	61	22	208	90	461	490	449	92	492	461	94	1	0	1	0	439	10	0	439	10	0
10	655 DP184 Malawi, Doviko	454	100	1	0	240	96	10	4	139	40	343	152	13	3	390	105	885	534	455	85	1,031	885	86	20	8	26	3	254	196	0	254	196	5
11	657 DP184 Malawi, Katsakera	417	94	26	6	228	95	13	5	163	53	251	136	17	5	425	104	856	526	443	84	974	856	88	36	14	39	4	425	15	0	425	15	3
12	687 DP184 Malawi, Nsiyaludzu	373	90	41	10	208	92	19	8	99	30	291	128	15	7	339	136	744	538	414	77	927	744	80	60	24	73	8	386	6	6	387	9	18
13	686 DP184 Malawi, Champiti	400	99	6	1	239	98	4	2	150	40	198	87	21	3	372	170	741	466	406	87	792	741	94	41	16	52	7	400	2	1	400	2	4
14	677 DP184 Malawi, Manjawira	393	98	8	2	243	97	7	3	104	26	322	81	11	18	357	76	794	550	401	73	1,045	794	76	64	26	80	8	385	0	0	385	0	16
15	680 DP184 Malawi, Dzonzi	372	95	20	5	228	91	22	9	137	37	231	62	14	2	363	99	745	471	392	83	854	745	87	32	13	38	4	379	11	0	379	11	2
16	674 DP184 Malawi, Mphepozinali	428	95	23	5	231	92	19	6	156	41	343	138	16	8	425	113	940	503	451	90	1,019	940	92	55	22	69	7	14	414	0	14	414	23
17	664 DP184 Malawi, Sharpevalley	396	99	2	1	246	98	4	2	150	49	291	126	8	3	382	121	831	549	398	72	1,114	831	75	53	21	81	7	48	334	0	48	334	16
18	676 DP184 Malawi, Gowa	448	100	2	0	246	98	4	2	170	18	331	36	5	1	417	145	923	538	450	84	1,067	923	87	41	16	54	5	1	449	0	1	449	0
19	662 DP184 Malawi, Lakeview	408	100	2	0	245	98	5	2	131	33	265	165	8	2	412	101	816	542	410	76	1,041	816	78	44	18	47	5	210	198	0	210	198	2
20	665 DP184 Malawi, Kampanje	364	100	0	0	245	98	5	2	158	85	258	73	10	1	373	141	799	475	364	77	1,001	799	80	64	26	85	8	27	335	0	27	335	2
21	678 DP184 Malawi, Senzani	417	98	10	2	238	95	12	5	104	13	333	130	13	2	388	56	838	539	427	79	1,075	838	78	53	21	69	6	420	0	0	420	0	7
22	682 DP184 Malawi, Kapeni	407	100	1	0	244	98	6	2	128	51	341	94	11	19	389	136	869	515	408	79	1,064	869	82	52	21	68	6	398	4	0	398	4	6
23	663 DP184 Malawi, Bwanje	463	99	4	1	240	96	9	4	154	43	367	124	12	2	451	129	984	516	467	91	1,060	984	93	46	18	61	6	357	106	0	357	106	4
24	666 DP184 Malawi, Kandeu	438	98	9	2	236	94	14	6	113	62	354	138	13	5	392	95	872	528	447	85	980	872	89	48	19	68	7	422	11	0	422	11	14
25	683 DP184 Malawi, Ntonda	414	99	4	1	238	95	12	5	116	47	266	66	14	2	404	84	800	521	418	80	956	800	84	52	21	65	7	415	0	0	415	0	3
26	656 DP184 Malawi, Matanda	417	98	9	2	242	97	8	3	170	44	309	172	23	14	396	69	898	484	426	88	989	898	91	30	12	40	4	421	1	0	422	1	3
27	671 DP184 Malawi, Mlanda	463	98	8	2	239	96	11	4	136	36	375	198	11	1	391	64	913	574	471	82	1,085	913	84	24	10	24	2	1	458	0	1	458	12
28	689 DP184 Malawi, Ntcheu	468	98	8	2	246	98	4	2	148	44	315	99	15	20	427	138	905	574	476	83	1,056	905	86	20	8	25	2	359	102	0	359	102	15
29	679 DP184 Malawi, Mzama	405	98	10	2	242	97	8	3	134	47	267	111	15	2	405	138	821	503	415	83	948	821	87	52	21	61	6	400	10	0	400	10	5
30	673 DP184 Malawi, Chigodi	405	100	0	0	242	97	8	3	138	45	357	128	11	7	390	120	896	556	405	73	1,164	896	77	59	24	74	6	83	299	0	83	299	23
31	654 DP184 Malawi, Tsangano	391	97	11	3	242	97	8	3	144	35	309	98	9	3	370	163	832	538	402	75	1,195	832	70	33	13	36	3	345	47	0	345	47	10
32	688 DP184 Malawi, Mikoke	384	100	0	0	244	98	6	2	98	24	265	127	20	13	360	134	743	513	384	75	966	743	77	47	19	53	5	363	1	0	363	1	20
33	672 DP184 Malawi, Masasa	389	98	9	2	242	97	8	3	112	46	262	128	14	2	373	122	761	552	398	72	1,080	761	70	66	26	84	8	20	357	0	20	357	21
34	660 DP184 Malawi, Biriwiri	476	97	16	3	241	96	9	4	155	57	338	100	7	1	434	142	934	570	492	86	1,048	934	89	45	18	56	5	46	433	0	46	433	13
35	684 DP184 Malawi, Nsipe	417	99	6	1	238	95	12	5	130	24	250	90	13	2	442	186	835	556	423	76	1,085	835	77	48	19	64	6	403	1	0	403	1	19
36	690 DP184 Malawi, Chirole	494	96	23	4	236	94	14	6	116	47	397	147	13	3	434	104	960	583	517	89	1,069	960	90	42	17	49	5	93	406	0	93	406	18
37	669 DP184 Malawi, Phanga	495	97	14	3	238	95	12	5	136	33	443	170	17	2	474	95	1070	560	509	91	1,144	1,070	94	78	31	126	11	492	5	0	492	5	12