## **Against Malaria Foundation**

LLIN Distribution Programme – Detailed Information



### **Summary**

# of LLINS	Country	Location	When	By whom
80,000 (approx)	Malawi	Balaka District	Jan-Apr 2013	Concern Universal

#### **Further Information**

1. Household level net-need information (see Note 1). Do you have detailed net requirement data for all households in the distribution area? If yes, please describe the information you have and when it was collected. We will request a copy of the information at a later stage. If not, please confirm you will carry out a Pre-Distribution Registration Survey (PDRS) to assess, for each household in the distribution area, the number of sleeping spaces (for the purpose of family-sized nets) and the number of existing LLINs with at least one year's (estimated) use remaining? Please describe how this work will be carried out, by whom and when.

Detailed net requirement data for all households in the District does not currently exist although we do have i.) population data for the District ii.) information regarding the number of LLINs distributed in the District over the past twelve months and iii.) results of a snapshot household survey carried out in mid-2012 which provides an indication of existing coverage levels. We confirm that we will carry out a comprehensive Pre-Distribution Registration Survey (PDRS) in partnership with Balaka District Council from January 2013. This PDRS involves initial training of all Health Surveillance Assistants who will then carry out the primary data collection with supervision from Concern Universal and the District Council. The HSAs will visit every household in every village and gather data about household population (including under fives), sleeping spaces and existing numbers of good quality LLINs. This data will then be entered by Concern Universal on a master spreadsheet. Each community will then have a data verification exercise conducted to clean the data and correct any errors (intentional or unintentional) before the final net stock required is confirmed.

2. Independent supervision (see Note 2). Please confirm you will be able to ensure there is at least one independent supervisor present at the 'moment of distribution' for all net distributions. Independent supervisors will typically be staff members of the distribution partner and/or senior and trusted members of the local government health system. Their primary role is to ensure nets are distributed in the correct quantity to beneficiaries listed and ensure a 'no show, no net' policy is carried out (beneficiaries unable to be present can collect their nets later).

Concern Universal confirms that at least one member of CU staff will be present for each and every distribution site.

We have a tried and tested methodology here which worked effectively in Ntcheu District.

3. Post-Distribution Surveys (see Note 3). Please confirm you will carry out Post-Distribution Surveys (PDSs)\*\* every 6 months post-distribution for a period of up to four years to assess the level of net usage (hang-up %), correct usage and condition of the nets and you will provide us with the findings. Each survey would cover approximately 5% of households.

I can confirm Concern Universal and Balaka District Council will conduct a Post-Distribution Survey every six months following the distribution.

4. Malaria case rate information (see Note 4). Please confirm you are able to provide monthly malaria case rate data going back at least 12 months for each health centre/clinic in the distribution area and will continue to provide monthly data for a period of four years post-distribution. This ensures we understand pre-distribution malaria levels and can monitor them post-distribution.

Malaria case rate information for each of the 16 Health Centres is available from the Balaka District Health Office using the Malawi Government's national Health Management Information System (HMIS). This information will be sent to AMF separately. Total figures for Balaka District are pasted below.

	Oct- 11	Nov-	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr-	May- 12	Jun- 12	Jul- 12	Aug-	Sep- 12	Grand Total
Malaria <5 - new	2,335	2,473	2,438	3,710	6,164	5,491	4,415	4,359	3,403	2,066	2,004	2,417	41,275
Malaria >=5 - new	2,389	2,522	2,805	5,759	10,467	7,694	5,692	5,350	4,203	2,681	2,940	2,676	55,178

5. Please list the specific locations & villages to receive nets and the number to each? Please provide longitude/latitude information. Information by spreadsheet is likely to be appropriate.

All villages in Balaka District will be covered. See Appendices 1 and 2. A village list will follow. This is a total of 369,809 people living within the catchment areas of 16 Health Centres. Balaka District has a Latitude of 15 degrees South and a Longitude of 35 Degrees East.

6. Is this an urban or rural area and how many people live in this specific area?

Rural area with a population of 369,809.

7. Is this a high risk malaria area for this country? If yes, why do you designate it so?

Yes, all of Malawi (except some isolated highland areas) is designated a high risk malaria area. There were 96,453 reported cases of malaria in Balaka District over the past twelve months.

8. Please confirm this distribution of nets is to achieve 'universal coverage' - all sleeping spaces covered - of the distribution area.

Yes, this distribution will achieve universal coverage by ensuring that all sleeping spaces have a high quality LLIN.

9. What is the existing level of LLIN use in this area? Please provide details of the LLIN distributions that have taken place in the distribution area in the last three years, including when nets were distributed, where, in what quantities and by whom. Are there existing bednet distribution programmes in this area? A spreadsheet may be appropriate.

Balaka District was the site of a major distribution of LLINs in May 2012. According to official records 123,627 LLINs were distributed in Balaka during this month. A snapshot survey carried out in 3 villages in Balaka in August 2012 found sleeping space coverage was 27%. Data showed 65% of the nets that would have been required for universal coverage were received in the area, 70% of those were found during the survey, of which 60% were hung and being used  $(65\% \times 70\% \times 60\% = 27\%)$ . Other than this distribution LLINs are made available to pregnant women and new mothers through Health Centres.

10. Why was the area chosen for bednet distribution and who made this decision? Please provide the name, position, organisation and contact information for the person/s making the decision.

Concern Universal consulted and agreed with the National Malaria Control Programme and relevant District Councils that we would focus our distribution efforts on the Districts of Dedza and Balaka. These are two Districts where Concern Universal has a significant ongoing project presence and a strong working relationship with the District Authorities. This means we will be able to carry out the distribution at a lower cost than if we had to establish a presence in a new District and our understanding and working relationship with the District Council means that the distribution should also be carried out very effectively. NMCP contact is John Zoya. E: zoyaj2003 AT yahoo.co.uk, T: +265(0)888873131.

11. Have you consulted with the country's National Malaria Programme about this distribution and what was their response? Please provide the name, position and contact details of the person/s with whom you have liaised.

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Yes. John Zoya, NMCP Coordinator
E: zoyaj2003 AT yahoo.co.uk, T: +265(0)888873131
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12. Please give the name and contact information for the (government) head of the **district** health management team for the/each area. Please ensure you include contact information.

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Owen Chikhwaza, Balaka District Health Officer E: chikhwaza AT gmail.com, T: +265(0)999359211.
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13. Please confirm the nets will be distributed free-to-recipients, a requirement for us to fund nets.

Yes, the LLINs will be distributed free-to-recipients.

14. Please describe how the bednets will be distributed and by whom.

The bednets will be distributed by Concern Universal staff in partnership with the Balaka District Health Office. Following the registration of beneficiaries and verification the team will identify distribution points. Each distribution site will be staffed by community volunteers, Health Surveillance Assistants from the District Council and at least one staff member from Concern Universal. Beneficiaries will be asked to sign or thumbprint village registers in duplicate before receiving their nets and each distribution will be supervised by traditional leaders from each village. Nets will be removed from their packaging and initialled with the name of each beneficiary before distribution to reduce the likelihood of resale. Each distribution will be accompanied with malaria education activities such as community theatre and net hangup demonstration.

15. Project Timeline. Please provide a project timeline covering pre-distribution, distribution and post-distribution activities. Please provide this in a separate document/spreadsheet.

BALA	(A DISTRIBUTION PLAN																			
		December January		February				March				April								
No.	ACTIVITY	w/c 10th	n/c 17th	n/c 24th	w/c 31st	n/c 7th	n/c 14th	w/c 21st	w/c 28th	n/c 4th	n/c 11th	w/c 18th	w/c 25th	w/c 4th	w/c 11th	n/c 18th	n/c 25th	w/c 1st	n/c 8th	w/c 15th
1	Recruitment and Project Set-up																			
2	Orientation and Initial Training- Balaka																			
3	Registration- Balaka																			
4	Data Entry and Verification- Balaka																			
5	Distribution- Balaka																			
6	Mop-Up Distributions- Balaka																			
7	Report writing- Balaka																			

16. Please describe all aspects of malaria education that will accompany the distribution. Please include a description of what information will be covered and who will carry out this work. Please include activities both pre-distribution and during the distribution.

Prior to distribution health talks will be carried out by Health Surveillance Assistants and Concern Universal staff. The house-to-house visits made by HSAs as part of the registration process will also be used to demonstrate correct net hang-up and care activities. During distributions there will also be health talks and community theatre and drama activities to stress the importance of sleeping under an LLIN at all times.

17. Please confirm you will send a Post-Distribution Summary when the distribution is complete.\*\*

Yes we can confirm this.

18. Please confirm you will send us, post-distribution, at least 60 digital photos per sub-distribution\*, taken at the distribution/s, to be added to our website as we report on the distribution to donors.\*\*

Yes we can confirm this.

19. Please confirm you will provide at least 15 minutes of video footage from each sub-distribution. It does not need to be 'broadcast' quality and can be taken with a handheld digital video camera.\*\*

Yes we can confirm this.

20. Please provide your name, role and organisation and full contact information.

Robin Todd, Country Director, Concern Universal Malawi T: +265(0)881519630, E: robin.todd@concern-universal.org

#### **NOTES**

\*Sub-distributions are mutually agreed and are typically a portion of the total distribution ie A 250,000 net distribution, for photo and video reporting purposes, might be divided into 10 sub-distributions.

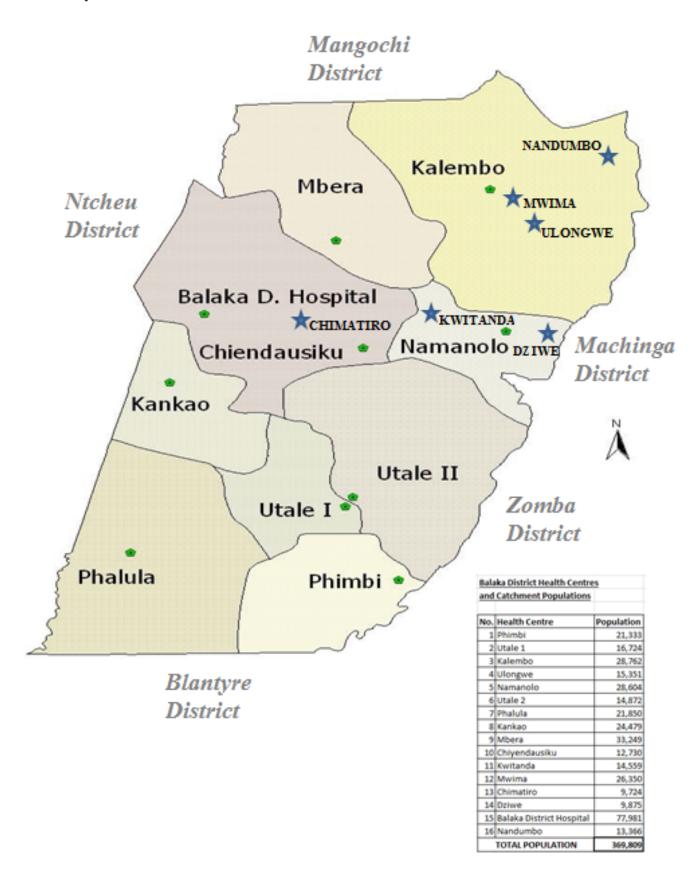
\*\*Information on the provision of photos, video, Post-distribution Summary and Post-Distribution Surveys is included in the following pages.

Ends—

**Appendix 1: Previous Distribution Sites** 

	l				
Dale 21.15.2112		To 1144	PALAKA CEHTRAL	MLAMPE PYT SCHOOL	ELLIE'S Deliarere
28.85.2842		TO 1144	DALAKA CEHTRAL	HPOHDA	2,0
28.85.2842		TO 1144	BALAKA CEHTRAL	SOSOLA SCHOOL	2-
28.85.2842		PE 7744	DALAKA CEHTRAL	JAMES U/S SHELTER	1,1
28.85.2812	<u>'</u>	PE 7744	BALAKA CEHTRAL	COMPORT GROUND	2,1
28.85.2842	2	PE 7744	DALAKA CEHTRAL	HPATAHILA U/S SHELTER	1:
28.85.2842		PE 7744	DALAKA CEHTRAL	HSAMALA COURT	21
28.85.2842 28.85.2842		PE 7744 PE 6888	BALAKA CEHTRAL BALAKA CEHTRAL	HTALIKA LM/OHDESCHOOL	1,1
28.85.2842		PESIII	DALAKA CEHTRAL	CHIMATILO	2-
				TOTAL	13,8
28.85.2842		HA 1122	CHEHDAUSIKU	HATOLA	21
8.85.2842 8.85.2842		HA 1122 HA 1122	CHEHDAUSIKU	CHIYEHDAUSIKU H/C	1
1.05.2012		HA 1122	CHEHDAUSIKU	CHIKOLOLERE	1
8.85.2842	353	HA 1122	CHEHDAUSIKU	KAPAHDATSITSI	1
8.85.2812	454	TO 2518	KWITAHDA	LAZALO	1
8.85.2842		TO 2518	KWITAHDA	KWITAHDA H/CEHTRE	1
1.85.2842	455	TO 2518	KWITAHDA	DZIWE	1
1.85.2842		TO 2518	KWITAHDA	HADUWAHI	1
8.85.2842 8.85.2842		TO 2518 TO 2518	KWITAHDA KWITAHDA	UTALE Z HDAZA	1
	<u>""</u>	14.21	KIII THIIDH	TOTAL	95
1.85.2842		HJ 158	HAMAHOLO	HALISWE	2
1.85.2842		HJ 198	HAMAHOLO	HHAHGA	2
8.85.2842 8.85.2842		HJ 158 HZ 1485	HAMAHOLO	ROAD BLOCK MALAYA	2
1.85.2812		H2 4485	Наманого	HAMAHOLO H/C	;
1.85.2842		PE 1818	HAMAHOLO	HANGULUKUTICHE	2
		5 F 337	BUALUS A	TOTAL	154
8.85.2842 8.85.2842		PE 227	PHALULA PHALULA	HYAHYALA H/C	1
1.85.2842		PE 227	PHALULA	HTSIHUKE	
8.85.2842		PE 227	PHALULA	TSITE	1
1.85.2842	255	PE 227	PHALULA	PHALULA	2
1.85.2842		PEGIN	KAHKAO	KHOSWE	2
8.85.2842		PE 438	KAHKAO	CHIYEMPEZO	1
1.85.2842		PE 458	KAHKAO	HFULAHJOYU	2
8.85.2842	415	PE 458	KAHKAO	KAHKAO H/C	2
5.85.2842	184	HA 1122	HDERA	TOTAL HTHUMPA	
3.85.2812		HA 1122	HPERA	HISOHALI	
5.85.2842		HA 1122	MBERA	HPERA	2
5.85.2842		HA 1122	MBERA	PYOLI	1
9.85.2842 9.85.2842		HA 1122 HA 1122	HPERA	HAKUTA HZIMUHDILIHDE	+
9.85.2842		HA 1122	HDERA HDERA	DAHKEHI	<u>'</u>
9.85.2842		PE 227	MBERA	DURBAH	
5.85.2842		PE 227	MBERA	HWAYE	
9.85.2842 9.85.2842		PE 227	MDERA MDERA	PIHOHI	1
9.85.2842		PE 227	HPERA	HTUHPWE	1
9.85.2842		PE 227	MBERA	HAMPIRA	
				TOTAL	157
5.85.2842		PE7744	WALEMBO	KALEMBO	
9.85.2812 9.85.2812		PE 7744 PE 7744	WALEMBO	ST. ANDREWS HJESE	1
5.85.2842		PE 7744	WALEHDO	HTERERA	1
5.85.2842	258	PE 7744	WALEHDO	KUHTIYAHA	1
		W1488	III ANGLIE	TOTAL	1,1
9.85.2812 9.85.2812		HJ 158 HJ 158	RIOHONE	BALAKA TURH OFF ULOHGWE H/C	1 2
5.85.2842	386	H2498	BLOHGWE	HKAHDA	
9.85.2812		H7498	Brohave	HP#WA	
9.85.2842	,,,,	H7458	RECHANG	HKAHWAHA	57
9.85.2842	311	H7498	HAHDUMBO	HAMALOMBA	3.0
5.85.2842	512	HJ 198	HAHDUHBO	HAHDUMBO	1
9.85.2842	457	PEGIII	HAHDUMBO	KAPULAPULA	1
9.85.2842 9.85.2842		PEGIII	HAHDUMBO HAHDUMBO	HALIDADI	;
	153		HANDALIA	TOTAL	63
9.85.2812		TO 2518	HWIHA	CHIPWAHA HSAMALA	2
5.85.2842		TO 2518	HWIHA	HWIHA	
9.85.2842 9.85.2842		TO 2518 TO 2518	HVIHA HVIHA	HGASALE CHOPI	2
	***			TOTAL	34
9.85.2842	182	TO 1144	PHIMPI	SEHAHI	
5.85.2842		TO 1144	PHIMPI	HJEREHGE	1
5.85.2842		TO 1144	PHIMPI	HGOHWA VANNIMBA	2
9.85.2842 9.85.2842		TO 1144 TO 1144	PHIMPI	KAHYIMBO HSUHUZI	1
3.85.2812 3.85.2812		TO 1144	PHIMPI	SHIRE HORTH	-
				TOTAL	75
5.85.2812		PE 438	UTALE	PHIMPI H/C	1
9.85.2842		PE (31	UTALE	BOHOHGWE HEAVA	٠,
9.85.2842 9.85.2842		PE 438	UTALE	HKAYA KW/ALALA	<del>  '</del>
3.85.2812		PE 431	UTALE	UTALE 1H/CEHTRE	1
5.85.2842	416	PE 438	UTALE	HAWETA	
9.85.2842	413	PE 438	UTALE	ZALIHU	
			-	PALAKA DISTRICT TOTAL	123

## BALAKA DISTRICT, MALAWI - LOCATION OF HEALTH CENTRES



#### **NOTES**

#### Note 1

#### Accurate household-level net need data



What? Number of sleeping spaces and existing usable nets.

Why? So we know exactly how many nets each household needs.

It is important data is recent and accurate. This helps avoid both over-delivery and under-delivery of nets to households. Over-delivery of nets is wasteful. This can occur if perfectly usable nets are not counted with households receiving four nets when they might only need two. Under-delivery of nets can leave sleeping spaces uncovered and this can compromise breaking transmission. This can occur when one net per two people is the basis for a distribution but the composition of a family might mean more nets are required. Distribution partners will typically carry out a pre-distribution registration survey (PDRS) across the entire distribution zone to establish the number of sleeping spaces and the number of LLINs with at least one year of remaining use.

If there have been no, or few, nets distributed in the last three years there *may* be no need to assess existing usable nets. If recent, accurate data based on the number of people per household exists, it may be the data used for a distribution with additional accuracy being sacrificed in order to achieve an immediate distribution and people protected. In such a case, AMF and the distribution partner discuss whether the data is reliable and up-to-date or whether a new PDRS should be conducted.

Nets distributed to households that need them in the quantities they need them leads to an efficient, waste-free distribution. Being efficient with funds is important in an environment where there are insufficient funds to buy all the nets needed for badly-affected malaria zones. It means we can protect the most people possible with the funds available.

Carrying out a pre-distribution registration survey (PDRS) to identify household-level net-need costs US\$50,000 per 500,000 people. Identifying existing, perfectly usable LLINs equivalent to a sleeping space coverage of 5% would represent break-even, in purely financial terms, on the cost of conducting the household-level survey. Assumptions and calculations are shown below. In many distributions now the existing LLIN coverage is significantly higher than 5%.

In a recent (2012) universal-coverage distribution of nets in a 550,000 population district in Malawi the total cost of the pre-distribution activity to establish household level net need through an all-household survey was US\$50,000. This excludes the cost of the government health service workers who carried out the survey or the salary costs of the small team who managed and supervised the work. These costs are not included as these salaries are paid anyway. If included, the fully-loaded cost would be US\$75,000. At \$50,000 of cost and \$4 per net, identifying ~12,500 perfectly usable LLINs achieves break-even considering the cost of nets saved. Assuming 1.8 people per net, this would represent an existing LLIN coverage of 4%. At \$75,000 of cost, the break-even LLIN coverage would be 6%. Factoring in 1 year of life remaining in nets identified and assuming nets have a 4 year lifetime, a 'worst case' level of existing LLINs for this work to be break-even in value would be 24%.

There are significant, arguably more important, benefits of carrying out a PDRS.

First, the survey is an important mechanism for engaging all in the community in the net distribution. The local community and health leadership are involved in the survey planning;

the local government health workforce is involved in collecting the data; by necessity the whole community is involved through the household visits. This achieves high level of engagement and awareness throughout the community of the impending distribution.



Second, malaria education messaging and correct net use can be introduced through the planning of the survey, while it is carried out or as a natural follow-on activity.

Third, when the distribution is carried out there is a strong sense of both fairness ('no-one will be stealing nets') and equity ('I will get the nets I need').

The result is strong awareness among the whole community of how community-wide correct net use can prevent malaria gives the best chance of achieving very high levels of sustained, correct net use.

#### Note 2

#### Independent supervision at the 'moment of net distribution'

**What?** Individuals not connected with either the communities receiving nets or the government health teams involved in the distribution, are present whenever a net is handed out. They check the beneficiary is identified on the net distribution list and the 'no show, no net' rule is applied. Those beneficiaries not able to attend the distribution can collect their nets at a later time.

**Why?** This ensures nets reach those who need them and reduces to an immaterial level the misappropriation of nets.

#### Note 3

#### Post-distribution monitoring of net use and condition

**What?** Data showing the level of net use and the condition of the nets. Post-distribution surveys (PDSs) are carried out at six-month intervals. Approximately 5% of the nets distributed are assessed through visits to randomly selected households. The data are published.

**Why?** Only by gathering data do we have a strong idea of the level of net use and condition. The data can alert the distribution partner to the need for additional actions such as a net hang-up campaign or an additional malaria education intervention.

#### Note 4

#### Monthly malaria case rate data

**What?** Monthly malaria data is gathered from all health centres in the distribution zone. The level of stock of rapid diagnostic testing (RDT) kits is monitored.

**Why?** This allows us to assess the impact of the nets and be alerted to any trends that might suggest additional actions are necessary such as a net hang-up campaign or an additional malaria education intervention. The data are published.

# INFORMATION ABOUT PHOTOS/VIDEO FOOTAGE, POST-DISTRIBUTION SUMMARY AND POST-DISTRIBUTION SURVEYS



#### **PHOTOS**

We require at least 60 pictures from EACH sub-distribution\* showing a variety of activities that make up a distribution. Each 60+ picture set should tell the story of what happened. Receiving several hundred pictures rather than just 60 is absolutely fine. Photos will ideally cover:

- any pre-distribution activity i.e. briefing of volunteers/community leaders/staff;
- nets arriving at storage;
- nets on truck to distribution point; nets being unloaded;
- photo of village name sign if one exists;
- people arriving at distribution point;
- bednet demonstration;
- malaria education talk;
- beneficiaries lining up for nets;
- photos of list of recipients;
- any coupons/thumbprint mechanism so people can see process of identifying beneficiaries;
- lots of shots of nets being handed out to beneficiaries; photos of beneficiaries;
- photos showing help hanging nets in homes if that is part of the distribution.
- photos of the condition of the roads etc are good to show people this work is not easy.
- Several general shots of the village/s, houses/huts so people can see environment are good.

We will select 30-40 photos for each sub-distribution for the website. Hence more than 60 pictures are fine as this gives us more form which to select. Please ensure a variety of photos are provided and not multiple shots of the same thing. Ideally photos will be date and time-stamped by enabling the feature and ensuring the correct date/time is set on the camera.

#### **VIDEO FOOTAGE**

The aim of edited video footage is to show donors what happens when nets are distributed.

Ideal footage is a series of 10-15 second clips showing different aspects of the distribution. 20 minutes of footage from each sub-distribution is ideal. The video does not have to be professionally filmed or of broadcast quality. Digital hand-held camera footage is fine.

It is fine to send us raw video footage. We edit into 90-120 second clips for each distribution subdistribution to make the material highly watchable.

Videos: <a href="http://www.againstmalaria.com/en/Distribution\_videos.aspx">http://www.againstmalaria.com/en/Distribution\_videos.aspx</a>.

Good example: <a href="http://www.againstmalaria.com/en/Distribution.aspx?DistributionID=1">http://www.againstmalaria.com/en/Distribution.aspx?DistributionID=1</a>

Edited video footage is available free of charge to Distribution Partners to use as they see fit.

#### SENDING PHOTOS AND VIDEO FOOTAGE TO AMF

File sizes will make pictures and video too big for sending via email. Photos should be sent on a cd, and video on a dvd to: Andrew Garner, AMF, 6 Camp View Road, St Albans AL1 5LL UK. Contact tel: +44 20 7371 8735

It is VERY important pictures and video sent to us have photos/video footage in labeled folders for each sub-distribution so we can match photos/video to each sub-distribution.

#### **POST-DISTRIBUTION SUMMARY**

This can be a few pages or up to a dozen, particularly if photos are integrated into the pages. We are not looking for a thesis, more a several page, readable overview of what happened, when, and what went well and what didn't.



Several good examples, presenting what happened in a very readable way and using pictures well, can be seen here:

Namibia: <a href="http://www.againstmalaria.com/en/Distribution.aspx?DistributionID=54">http://www.againstmalaria.com/en/Distribution.aspx?DistributionID=54</a>
Malawi: <a href="http://www.againstmalaria.com/Distribution.aspx?ProposalID=184">http://www.againstmalaria.com/en/Distribution.aspx?ProposalID=184</a>

The post-distribution report should be emailed to <a href="mailto:RMATHER@AGAINSTMALARIA.COM">RMATHER@AGAINSTMALARIA.COM</a> One report covering the entire distribution is adequate. We do not need one for each sub-location.

#### **POST-DISTRIBUTION SURVEYS**

These occur at 6-month intervals post-distribution and occur for up to 4 years. They assess three things:

- 1. Hang-up % are the nets still being used?
- 2. Correct usage are the nets being used properly?
- 3. Net condition in what state are the nets?

A 6-months post-distribution survey (PDS-6) involves sampling 5% of the households that received nets and recording the following information for each household.

Anonymised data is entered by the distribution partner into an AMF-built online database with summary information made public.