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# **A Collation of Global Funding Commitments for Sub-Saharan Africa, 2011-16**

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Continuous LLIN Distribution Systems  
Work Stream  
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# Purpose of Review

- To collate available data on LLINs to be delivered through campaign or continuous mechanisms and compare with predicted need for 2011-16, providing an informed 'gap' for continuous net distributions for communication at global level to assist in future planning.

# Methods – Proposal Review

- All 57 funded GFATM proposals from Rounds 7-10 and the RCC were reviewed (42 countries)
- Number of LLINs needed, funded and the remaining gap for the period 2011-16 were extracted in to Excel
  - Disaggregated by campaign or continuous delivery mechanism (where possible).
  - Includes LLINs funded by GFATM and other sources.
- Figures compared with those extracted from other net mapping projects:
  - RBM country roadmaps for 2010 and 2011.
  - Country-specific calculations of LLINs need using the NetWorks LLIN model.

# Methods – NetWorks Model Predictions

## Data & Assumptions:

- Total population & annual growth rates from GFATM proposals (or, UNPOP database)
  - Mean HH size from national surveys (or, median of 5)
  - Proportion of population at risk of malaria from GFATM proposals (or, MARA)
  - Median LLIN lifespan of 3 years
- 1) Assume 100% coverage achieved by end of 2010
    - Predict number of LLIN needed to maintain 80% coverage 2011-16 (continuous distribution)
  - 2) Enter data from GFATM proposals on LLIN funded
    - Determine likely coverage from planned distributions

# Key Findings – LLIN Needs

Delivery mode	Calculated LLIN needs (millions)									
	GFATM proposals				RBM roadmaps		NetWorks LLIN model*			
	2010	2011	2012-16	2011-16	2010	2011	2010	2011	2012-16	2011-16
Campaign	81.2	55.3	104.1	159.5	0	142.6	423.5	0	0	0
Cont.	18.2	29.9	116.1	146.0	0	35.6	0	0	501.2	501.2
Any	146.7	109.5	390.2	499.6	344.4	178.7	423.5	0	501.2	501.2
% Camp.	55.4	50.6	26.7	31.9	0.0	79.8	100.0	0.0	0.0	0.0
% Cont.	12.4	27.4	29.7	29.2	0.0	19.9	0.0	0.0	100.0	100.0
% unspec.	32.2	22.0	43.6	38.9	100.0	0.3	0.0	0.0	0.0	0.0
Countries	32	38	40	40	44	38	47	47	47	47

\* Based on predictions of LLIN numbers needed to achieve 100% coverage in 2010 and maintain it at 80% over 2011-16.

# Key Findings – LLINs Funded

Delivery mode	Funded LLINs (millions)							
	GFATM proposals (GF funded and other sources)					RBM roadmaps		Net Mapping Project
	2008-10	2010	2011	2012-16	2011-16	2010	2011	2008-10
Campaign	232.1	114.5	60.5	150.8	211.3	0	104.9	0
Cont.	64.1	24.0	39.8	109.8	149.6	0	21.2	0
Any	296.2	138.6	100.2	260.6	360.9	259.6	126.3	293.8
% Camp.	78.4	82.7	60.3	57.9	58.5	0.0	83.1	0.0
% Cont.	21.6	17.3	39.7	42.1	41.5	0.0	16.8	0.0
% unspec.	0.0	0.0	0.0	0.0	0.0	100.0	0.1	100.0
Countries	40	41	42	42	42	44	38	45

# Key Findings – LLIN Gap

Delivery mode	Remaining LLIN gap (millions)								
	GFATM Proposals			RBM roadmaps		NetWorks LLIN model* minus funded nets (GFATM review)			
	2011	2012-16	2011-16	2010	2011	2010	2011*	2012-16	2011-16
Campaign	1.1	3.5	4.7	0	39.6	309.0	-60.5	-150.8	-211.3
Cont.	7.2	20.2	26.5	0	18.4	-24.0	-39.8	391.4	351.6
Any	20.1	28.9	47.7	81.3	58.4	284.9	-100.2	240.6	140.4
% Camp.	5.4	11.9	9.9	0.0	67.8	108.4	60.3	-62.7	-150.5
% Cont.	36.0	69.8	55.4	0.0	31.6	-8.4	39.7	162.7	250.5
% unspec.	58.6	18.2	34.6	100.0	0.6	0.0	0.0	0.0	0.0
Countries	36	32	35	44	38	47	47	47	47

\* Based on predictions of LLIN numbers needed to achieve 100% coverage in 2010 and maintain it at 80% over 2011-16.

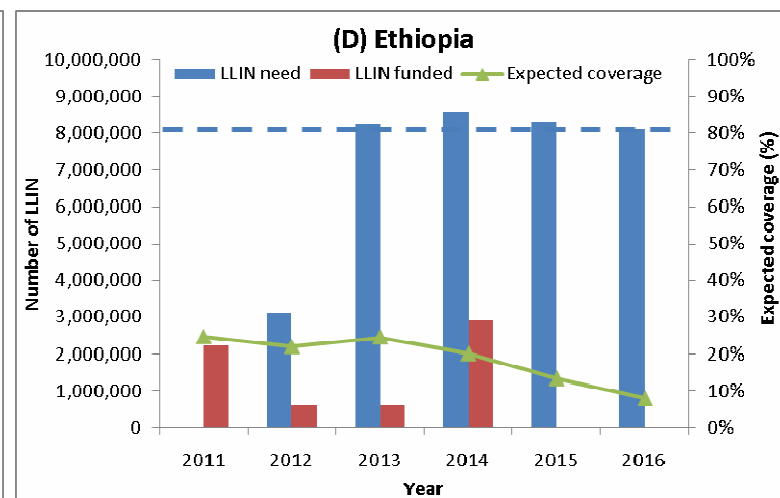
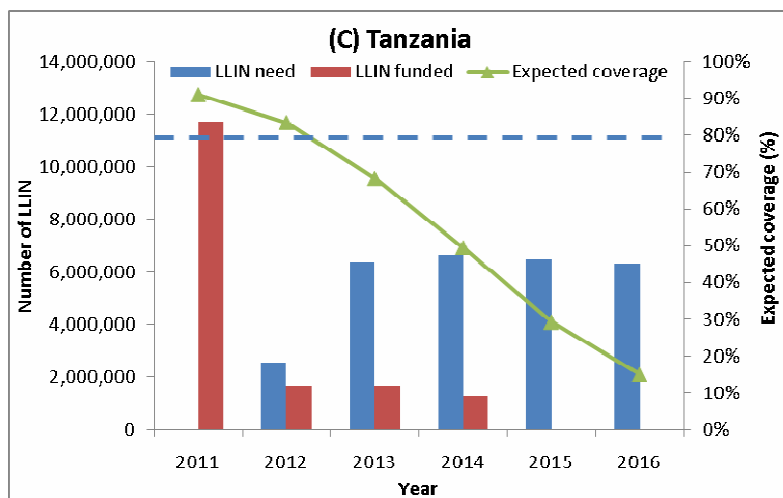
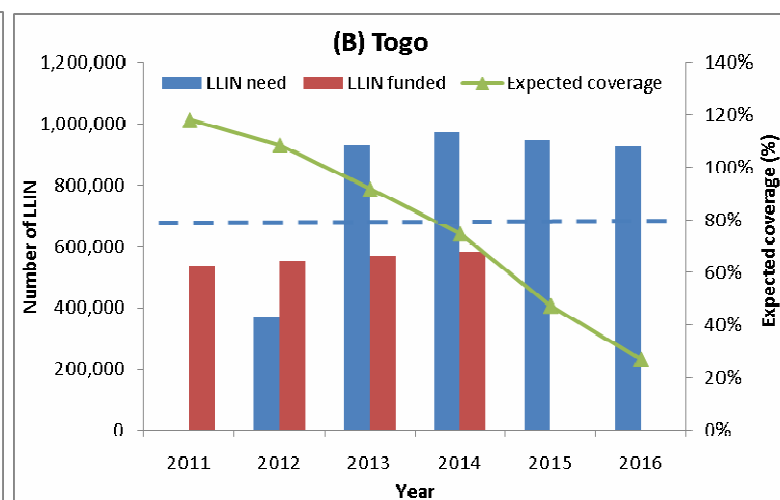
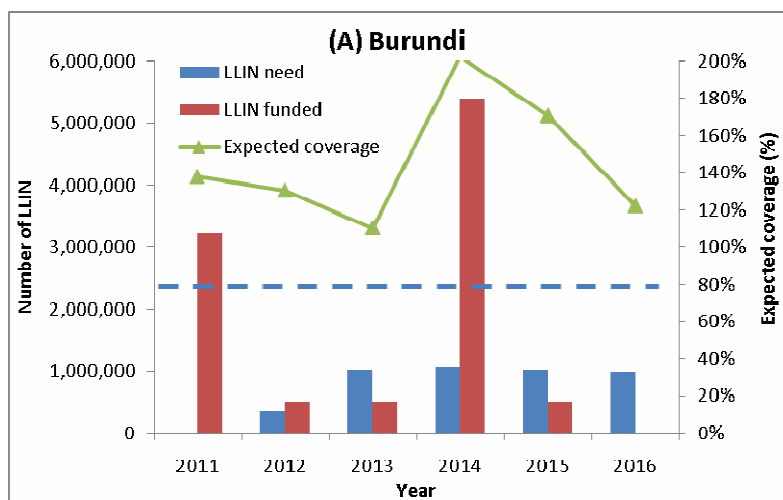
**NOTE: Some individual countries have an excess of LLINs for 2011-16, whereas others have a deficit**

# Key Findings – Individual Country Needs

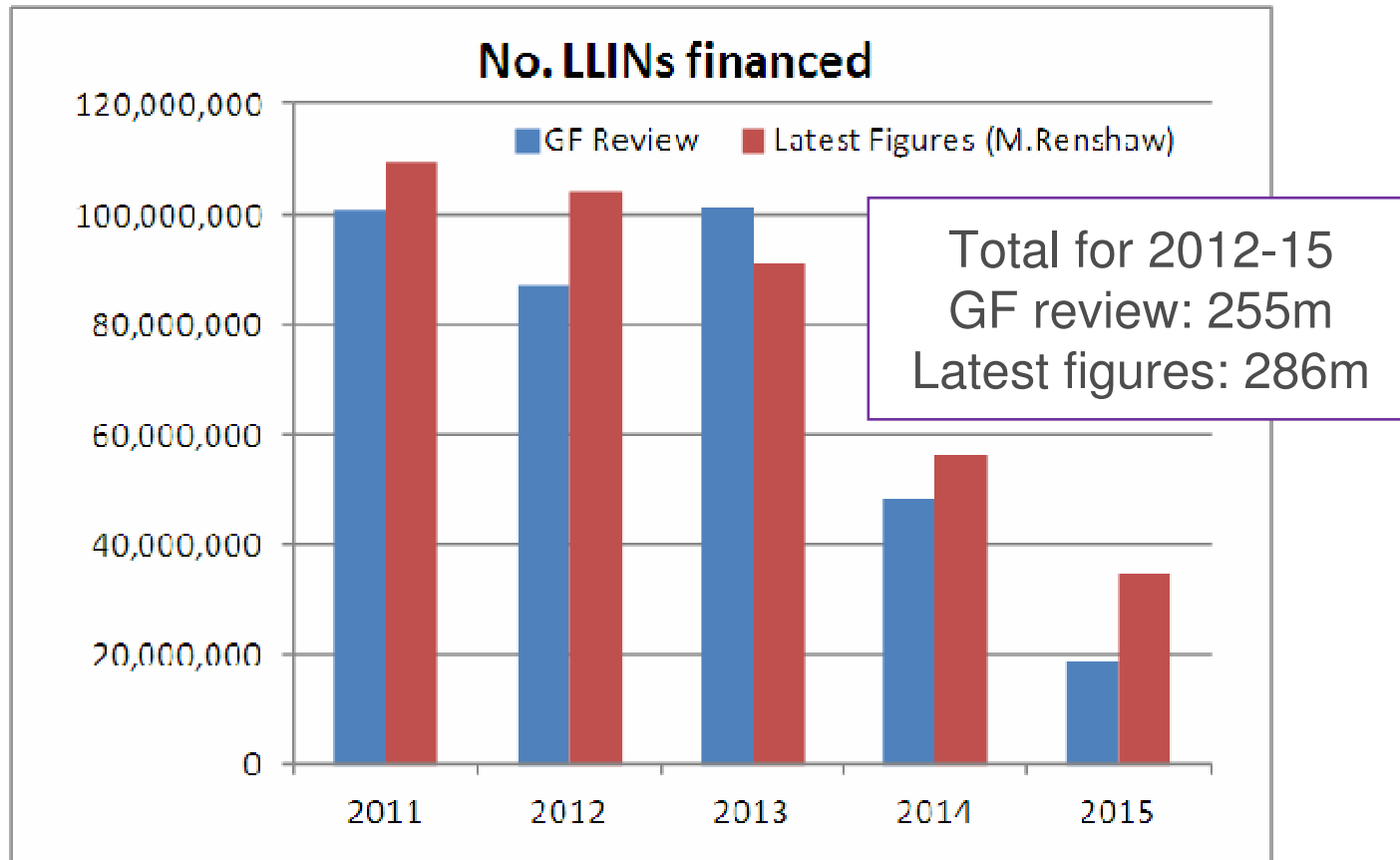
- Absolute LLIN numbers needed and the remaining gap are sensitive to assumed coverage achieved in 2010
- However, predicted annual population coverage using funded LLINs from GFATM proposals is independent of this assumption:
  - No. LLINs & median LLIN lifespan overlaid on to population & HH size to determine annual coverage of at risk population
- Based on data from GFATM proposals:
  - 21 countries (44.7%) will reach 100% LLIN coverage in at least one year of 2011-16
  - 31 countries (66.0%) will reach 80% LLIN coverage; amongst these, median 3 years >80%
  - **11 countries (23.4%) will NOT reach 80% coverage between 2011-16; 5 countries without any data.**



# Key Findings – Country Profiles



## Comparison of review findings with latest data



- Although there are differences in the figures, overall pattern is still the same
- As funding stands, the biggest problem will be from 2014 onwards

# Summary

- ~295m LLINs distributed between 2008-10, ~360m already funded for 2011-16 (dispersal of R10 P2 permitting).
- Between these two time periods, % LLINs allocated for delivery through continuous channels increased from 21.6% to 41.5%.
- Available data on committed funding for LLINs and planned distributions indicates a number of countries will not achieve 80% universal coverage target by 2016.
- Based on modelling predictions, there is a gap of approx 185 million LLINs for continuous distribution over 2011-16 to maintain universal coverage of 80% for all 47 countries in sub-Saharan Africa.
- With increasing emphasis on improved mechanisms of continuous keep-up, will need to be flexibility in how LLINs with already committed funding are allocated across years and delivery mechanisms.

# Plans for Dissemination

Product	Target Audience	Channels
GFATM Review	<ul style="list-style-type: none"><li>✓ NMCP managers</li><li>✓ GF proposal writers</li><li>✓ Program planners</li><li>✓ WHO NPRs</li></ul>	<ul style="list-style-type: none"><li>✓ SRN presentations</li><li>✓ Executive summary email, print, web</li><li>✓ Web documents in RBM, VCWG, NetWorks, MC, Swiss TPH, PSI, LSHTM, IFRC</li><li>?? R11 training workshop</li></ul>

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## Annex: Updated coverage predictions for Ethiopia

