

# AMP Net Mapping Project

Geneva

February 7, 2017

# Agenda

1. Brief review of global LLIN deliveries 2004-2016
2. Introduction of the new mapping program that:
  - a. Maps LLIN deliveries by country by year
  - b. Maps LLIN in-country distribution by year
3. Discussion

# LLIN delivery data

- All manufacturers participate
- Data show LLIN deliveries by country and by donor
- Data has been consistently received 2004-2016
- Quarterly reports produced
- Available to anyone who desires the data

## Global LLIN Delivery data

Global LLIN deliveries by region and year							
in LLINs							
Year		Sub-Saharan Africa	Rest of the World	Total	Cumulative	SSA % Of total	ROW % Of total
2004		5,617,184		5,617,184	5,617,184	na	na
2005		16,944,713		16,944,713	22,561,897	na	na
2006		46,842,964		46,842,964	69,404,861	na	na
2007		43,805,000		43,805,000	113,209,861	na	na
2008		60,151,197		60,151,197	173,361,058	na	na
2009		88,476,937	13,226,517	101,703,454	275,064,512	87%	13%
2010		145,209,800	20,473,178	165,682,978	440,747,490	88%	12%
2011		88,003,106	38,678,392	126,681,498	567,428,988	69%	31%
2012		70,272,798	18,181,481	88,454,279	655,883,267	79%	21%
2013		142,976,486	22,267,890	165,244,376	821,127,643	87%	13%
2014		189,205,502	22,151,629	211,357,131	1,032,484,774	90%	10%
2015		177,876,883	28,904,667	206,781,550	1,239,266,324	86%	14%
2016		137,724,562	25,811,705	163,536,267	1,402,802,591	84%	16%
Total		1,213,107,132	189,695,459	1,402,802,591		86%	14%

# LLIN Deliveries by country – Sub Saharan Africa

Sub-Saharan Africa LLIN deliveries													
Country	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Angola	154,010	870,929	1,753,142	1,977,589	1,361,111	2,317,650	2,275,646	675,000	1,900,000	4,715,212	1,287,900	2,574,000	1,655,110
Benin	26,500	0	183,250	2,002,310	578,542	1,274,179	1,899,500	3,513,700	512,020	820,162	5,935,726	810,000	905,000
Botswana	0	0	3,300	0	89,060	13,650	73,400	0	2,400	0	50,000	0	126,230
Burkina Faso	216,500	276,160	198,390	907,858	1,011,491	959,250	5,220,404	349,360	386,799	10,033,129	678,720	9,761,675	4,111,587
Burundi	160,250	302,600	1,037,300	584,135	1,514,765	2,164,853	2,978,604	589,000	866,209	5,223,219	1,438,288	1,410,500	1,236,801
C.A.R.	0	18,500	147,500	365,000	891,536	1,100,000	0	45,750	117,120	2,843,242	644,500	67,000	2,443,686
Cameroon	22,400	0	38,605	146,225	1,187,372	351,170	63,950	9,118,268	133,470	79,650	1,324,624	11,637,039	594,780
Cape Verde	0	0	0	0	0	0	0	0	0	0	0	0	0
Chad	18,800	86,120	129,400	244,500	98,348	419,495	1,245,825	3,090,585	408,054	4,954,500	1,740,350	161,350	6,875,350
Comoros	11,000	0	0	0	52,147	35,895	273,162	0	0	474,878	0	0	500,261
Congo	38,620	30,000	121,800	100,000	226,519	927,190	2,121,106	695,300	13,960	193,000	5,000	0	0
Cote d'Ivoire	0	0	350,200	394,200	1,591,308	412,400	8,158,223	940,236	490,844	2,354,569	14,164,490	994,350	1,739,547
Djibouti	27,800	15,000	125	118,000	82,111	0	28,700	46,400	0	27,000	0	149,153	0
DRC	713,053	1,089,997	1,750,841	3,317,755	8,506,216	7,129,370	12,154,287	17,873,788	775,690	13,418,804	20,795,345	26,793,394	13,635,628
E. Guinea	0	13,000	28,330	166,000	105,150	3,000	3,000	27,600	21,400	51,870	157,130	104,000	2,000
Eritrea	200	57,700	197,811	223,191	455,442	175,000	1,336,500	119,700	117,500	16,000	1,264,800	0	379,979
Ethiopia	642,210	2,432,635	12,294,218	4,639,411	1,935,148	2,196,289	15,146,406	1,302,400	5,349,703	11,625,273	9,457,032	23,563,000	16,000
Gabon	0	36,000	290,236	125,360	12,700	2,679	128,600	24,081	28,537	30,000	200	15,000	12,000
Gambia	0	50,000	29,060	193,100	324,048	1,250	644,355	233,716	303,315	1,095,270	0	0	1,328,563
Ghana	203,873	173,350	3,268,898	2,015,509	2,663,727	1,615,748	5,740,705	6,563,498	3,475,950	2,332,780	7,793,508	8,008,396	3,803,800
Guinea	6,000	167,850	515,540	131,000	115,288	3,443,681	39,599	104,888	3,357,950	2,698,050	594,053	292,570	2,377,740
Guinea Bissau	26,000	0	147,083	12,000	129,773	80,108	12,500	1,114,939	60,000	432,700	619,050	100,255	445,160
Kenya	391,883	2,814,594	8,700,429	1,555,150	3,235,173	4,293,195	7,305,749	9,869,447	5,816,422	4,866,832	6,886,113	6,720,361	3,288,720
Liberia	38,100	164,152	470,083	771,086	632,022	770,880	1,040,621	740,000	1,115,515	10,000	2,698,976	767,384	320,000
Madagascar	479,685	1,108,334	1,328,808	2,938,410	1,243,231	4,034,838	4,092,275	0	4,793,314	7,567,093	1,697,000	9,163,770	1,790,619
Malawi	0	88,000	273,466	997,465	378,494	1,830,362	910,000	2,658,400	5,471,985	2,247,834	1,581,233	9,260,615	1,526,500
Mali	88,800	193,122	1,206,778	3,428,525	1,210,722	952,989	2,412,000	2,279,600	1,196,450	3,165,650	6,893,919	1,631,900	5,583,041
Mauritania	50,700	0	40,300	40,000	30,153	400,000	2,200	50,000	29,000	143,000	83,800	8,649	615,940
Mozambique	200	523,000	567,000	1,386,233	2,484,777	2,174,325	3,166,571	2,462,276	3,770,523	4,767,998	7,015,526	2,630,290	7,947,449
Namibia	0	116,000	138,160	494,562	16,500	134,200	209,662	27,500	87,906	33,200	325,353	0	0
Niger	47,300	2,538,650	225,100	207,100	2,467,390	1,113,500	546,900	462,862	256,800	469,940	7,206,191	1,555,154	1,573,758
Nigeria	71,400	262,000	2,147,404	2,724,304	15,310,222	19,813,977	29,908,286	2,555,096	5,452,563	26,355,032	42,973,544	23,794,214	11,240,307
Rwanda	239,306	460,000	2,061,537	748,116	43,346	1,212,878	5,154,456	857,557	3,292,517	3,482,733	1,424,510	1,628,688	6,351,301
Senegal	359,000	186,510	462,000	1,487,810	1,103,037	4,697,823	2,822,749	1,214,650	3,006,598	1,146,758	6,535,785	6,057,654	2,485,526
Sierra Leone	67,830	95,480	1,546,220	193,230	638,126	394,145	3,396,582	0	799,268	255,405	3,971,225	355,039	3,363,069
Somalia	300	359,600	346,650	300,000	415,099	300,000	0	238,000	1,009,104	525,000	425,689	896,131	953,900
South Africa	34,100	125	0	125,720	22,920	44,885	22,123	6,000	20,500	0	12,500	0	0
STP	0	0	84,548	28,114	24,000	9,000	30,126	110,260	0	0	57,300	112,117	14,850
Sudan North	138,110	663,718	372,155	2,674,919	1,509,431	3,921,930	1,435,101	104,900	5,558,866	2,908,700	4,891,018	3,057,628	5,668,521
Sudan South	45,000	253,000	650,000	816,362	1,006,288	5,705,850	0	119,250	4,381,914	1,796,500	631,750	2,752,091	6,076,026
Swaziland	0	0	10,000	0	20,000	91,725	91,725	0	0	0	0	0	0
Tanzania	0	214,400	39,200	193,000	1,021,387	7,578,224	8,993,014	10,672,150	2,300	1,498,551	961,310	15,742,749	12,538,885
Togo	947,500	58,000	154,700	123,000	1,618,370	128,802	220,681	2,771,854	16,600	472,735	3,982,640	0	0
Uganda	144,000	420,887	2,438,134	1,603,181	1,870,846	1,633,302	8,257,164	1,105,520	3,118,001	13,242,962	10,509,079	4,364,151	20,984,657
Zambia	205,754	742,800	806,564	3,226,109	671,119	1,887,904	4,411,998	3,269,575	373,650	3,851,255	8,461,531	929,616	1,111,786
Zanzibar	0	0	0	0	0	0	0	0	507,000	50,000	0	0	518,485
Zimbabwe	1,000	62,500	288,699	221,461	246,742	704,346	1,235,345	0	1,875,081	700,000	2,028,794	7,000	1,582,000
Total	5,617,184	16,944,713	46,842,964	43,805,000	60,151,197	88,476,937	145,209,800	88,003,106	70,272,798	142,976,486	189,205,502	177,876,883	137,724,562

# LLIN Deliveries by country – Rest of the World

Rest of the World LLIN deliveries									
in LLNs									
Country	2009	2010	2011	2012	2013	2014	2015	2016	
Afghanistan	642,428	1,940,600	3,768,500	0	2,365,007	935,130	36,300	3,379,800	
Angola	0	900	0	0	0	0	0	0	
Antigua	0	0	0	200	0	0	0	0	
Australia	3,800	0	5,700	40,900	22,103	12,500	136,942	400	
Azerbaijan	0	20,000	0	10,000	0	0	0	0	
Bahamas	0	200	10,000	0	0	0	0	0	
Bangladesh	44,500	947,050	1,646,100	55,000	612,000	2,082,000	1,089,724	1,121,693	
Barbados	0	900	0	200	0	1,550	700	0	
Belgium	18,100	52,901	1,300	13,250	4,500	86,750	22,700	37,500	
Belize	3,890	0	0	3,300	6,000	0	4,000	2,000	
Bhutan	120,502	0	10,000	10,000	97,531	10,000	0	26,000	
Bolivia	7,200	85,000	34,850	20,000	12,050	38,119	0	91,700	
Brazil	131,000	166,000	1,588,700	105,600	100,950	21,000	41,000	53,500	
Cambodia	48,831	578,600	2,697,500	1,373,000	58,000	1,127,113	1,065,450	797,650	
Canada	0	10,400	0	300	10,000	0	1,000	2,500	
China	148,973	290,484	129,100	76,289	76,289	0	0	0	
Colombia	80,500	301,376	230,216	334,800	11,100	192,250	15,000	374,248	
Costa Rica	0	10,000	500	4,000	0	0	0	7,500	
Cuba	0	0	0	0	1,400	0	0	6,200	
Denmark	0	40,000	63,572	0	16,002	0	588,200	0	
Dom. Republic	11,600	190,900	7,400	60,945	36,000	209,000	400	0	
Ecuador	0	22,000	168,625	214,000	97,000	0	0	129,860	
Egypt	0	33,750	28,000	0	37,000	36,000	0	0	
El Salvador	0	0	0	15,000	0	0	0	3,600	
Fiji	0	0	0	0	1,000	0	0	3,251	
Finland	0	0	10,000	0	0	4,200	0	0	
France	0	3,764	77,854	36,595	1,550	6,010	6,383	16,470	
Germany	0	15,450	1,500	8,000	11,050	0	4,750	0	
Greece	0	0	0	550	0	0	700	0	
Grenada	0	900	0	0	0	0	0	0	
Guatemala	0	200	938,206	9,920	0	211,148	1,151,490	0	
Gulana (French)	0	11,870	26,000	60,473	77,150	0	0	7,000	
Guyana	0	0	0	0	9,000	0	10,000	0	
Haiti	30,700	515,150	2,388,070	818,950	11,000	11,420	0	436,500	
Honduras	0	8,500	4,000	20,000	54,000	0	143,447	4,000	
Hungary	0	0	0	0	0	0	0	20,300	
India	2,884,528	3,882,555	13,407,882	1,371,791	3,596,857	1,027,811	8,446,699	9,976,912	
Indonesia	1,248,342	2,641,500	3,970,000	1,981,370	2,133,099	4,682,100	508,450	2,321,420	
Iran	0	120,000	160,000	200,000	145,382	111,300	20,000	20,000	
Iraq	0	0	0	0	0	0	402,000	300,270	
Italy	0	0	0	300	0	4,000	0	2,000	
Jamaica	0	1,000	0	2,200	0	0	0	0	
Korea	0	300,100	383,723	332,000	0	0	876,100	0	
Laos	30,348	261,750	205,300	505,434	313,240	224,926	747,350	819,263	
Lebanon	0	0	0	0	0	275,000	0	0	
Egyptian	0	70,000	48,600	70,000	18,000	0	0	0	
Malaysia	113,294	285,500	82,200	137,000	135,570	76,500	101,000	53,010	
Marshall Islands	0	0	0	3,000	0	0	0	0	
Mauritius	100	0	0	200	0	0	1,100	0	
Mayotte	0	0	0	43,000	0	0	0	0	
Mexico	19,000	255,252	3,250	78,375	103,795	92,000	27,650	229,857	
Micronesia	0	0	0	0	2,000	0	0	0	
Morocco	3,310	4,500	2,311	9,000	0	0	0	4,000	
Myanmar	204,439	347,300	1,534,145	1,458,335	2,460,975	2,582,889	3,863,586	4,532,593	
Nepal	846,184	14,500	934,478	1,504,912	1,064,729	10,000	577,378	302,867	
Netherlands	26,200	67,700	123,000	109,550	0	112,000	100,650	93,700	
New Caledonia	0	0	0	0	40,000	0	29,555	0	
New Zealand	200	306,246	0	0	0	0	0	0	
Nicaragua	30,411	54,200	16,300	24,100	86,156	0	295,354	0	
Norway	0	0	2,200	0	0	0	0	0	
Pakistan	1,129,101	1,648,630	642,800	1,049,110	1,142,167	2,114,246	427,850	2,564,120	
Panama	82,000	231,400	87,860	26,330	71,200	11,500	1,500	38,000	
Papua NG	1,603,050	1,189,500	38,600	2,236,300	1,936,100	948,300	1,166,800	524,300	
Paraguay	4,300	1,200	0	0	0	0	0	0	
Peru	67,000	81,800	1,800	13,900	6,600	0	4,000	8,000	
Philippines	853,756	1,333,389	698,855	1,132,350	2,039,058	40,467	1,199,700	472,600	
St Lucia	0	200	0	0	0	960	0	0	
Samoa	6,000	0	1,700	0	0	0	0	0	
Saudi Arabia	6,000	0	81,050	72,650	0	3,000	99,975	0	
Singapore	0	5,000	0	25,000	10,000	0	0	0	
Solomon Islands	0	0	0	99,100	400,000	0	0	429,700	
Spain	7,094	67,800	55,400	10,600	11,000	10,900	27,795	13,000	
Sri Lanka	169,800	64,800	1,300,000	2,000	5,510	131,000	0	0	
Suriname	0	15,000	0	5,000	0	0	0	0	
Sweden	1,058	1,798	1,498	0	0	740	825	0	
Switzerland	0	12,186	3,225	102	35	740	75	1,870	
Syria	0	9,000	0	0	10,000	234,000	140,000	236,000	
Tajikistan	0	110,822	82,000	92,000	50,000	0	40,000	0	
Thailand	625,890	118,694	121,950	283,753	731,200	502,600	302,150	543,550	
Timor Leste	0	97,500	0	193,700	256,048	0	326,729	334,571	
Turkey	0	0	0	0	8,800	36,500	172,000	0	
UAE	1,323,850	1,347,092	336,450	220,100	110,751	346,800	106,100	121,500	
USA	0	60,915	30,500	9,000	600	51,000	0	0	
Uzbekistan	0	47,000	20,000	20,000	20,000	0	0	0	
UK	600	22,865	74,380	2,020	21,950	8,980	9,250	560	
Vanuatu	468,000	0	98,000	191,000	0	0	36,000	187,920	
Venezuela	0	0	3,000	1,500	6,000	9,000	30,000	0	
Vietnam	7,300	7,000	133,860	22,470	397,866	289,500	1,652,449	201,270	
Yemen	0	200,000	12,000	3,887,196	1,000,000	1,323,000	1,531,691	44,250	
Other	221,213	0	2,000	1,000	3,270	1,900	0	20	
Total	11,326,517	20,473,178	38,678,392	18,181,481	22,267,890	22,151,629	28,904,667	25,811,705	

# LLIN Deliveries by donor

Sub-Saharan Africa deliveries by donor organization													
in LLINs								2016					
2015								2016					
Donor	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	% Of Total		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	% Of Total
Global Fund	5,832,719	27,728,672	40,455,168	34,747,102	108,763,661	61%		18,612,355	13,010,215	12,367,348	21,559,559	65,549,477	48%
UNICEF	342,854	4,610,597	4,026,281	496,245	9,475,977	5%		45,900	852,921	5,188,874	8,594,140	14,681,835	11%
PMI	12,094,300	14,931,689	10,091,000	3,682,555	40,799,544	23%		12,911,862	9,140,280	5,927,500	1,320,474	29,300,116	21%
DfID	2,500	0	41,800	825,000	869,300	0%		2,272,720	0	150,000	150,000	2,572,720	2%
World Bank	88,000	0	0	0	88,000	0%		1,800,000	0	764,637	0	2,564,637	2%
Other Donor	9,998,972	1,532,037	5,158,589	1,075,503	17,765,101	10%		5,354,599	2,192,065	5,824,890	9,519,223	22,890,777	17%
Private Sale	40,000	40,000	35,100	200	115,300	0%		10,000	123,000	0	32,000	165,000	0%
Total	28,399,345	48,842,995	59,807,938	40,826,605	177,876,883	100%		41,007,436	25,318,481	30,223,249	41,175,396	137,724,562	100%
ROW LLIN deliveries by donor organization													
In LLINs								2016					
2015								2016					
Donor	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	% Of Total		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	% Of Total
Global Fund	3,739,198	2,158,348	6,508,706	6,301,146	18,707,398	65%		1,632,100	1,794,200	3,258,221	1,631,520	8,316,041	32%
UNICEF	1,047,550	37,000	106,000	0	1,190,550	4%		835,251	929,500	17,000	1,644,300	3,426,051	13%
PMI	246,100	793,500	573,500	0	1,613,100	6%		20,000	140,000	0	0	160,000	1%
DfID	0	0	0	0	0	0%		0	0	0	0	0	0%
World Bank	0	0	0	0	0	0%		0	0	0	0	0	0%
Other Donor	3,837,505	788,942	540,008	1,982,714	7,149,169	25%		3,223,974	422,288	6,756,305	2,944,889	13,347,456	52%
Private Sale	9,530	100	181,682	53,138	244,450	1%		84,913	82,164	250,150	144,930	562,157	2%
Total	8,879,883	3,777,890	7,909,896	8,336,998	28,904,667	100%		5,796,238	3,368,152	10,281,676	6,365,639	25,811,705	100%
TOTAL LLIN deliveries by donor organization													
In LLINs								2016					
2015								2016					
Donor	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	% Of Total		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	% Of Total
Global Fund	9,571,917	29,887,020	46,963,874	41,048,248	127,471,059	62%		20,244,455	14,804,415	15,625,569	23,191,079	73,865,518	45%
UNICEF	1,390,404	4,647,597	4,132,281	496,245	10,666,527	5%		881,151	1,782,421	5,205,874	10,238,440	18,107,886	11%
PMI	12,340,400	15,725,189	10,664,500	3,682,555	42,412,644	21%		12,931,862	9,280,280	5,927,500	1,320,474	29,460,116	18%
DfID	2,500	0	41,800	825,000	869,300	0%		2,272,720	0	150,000	150,000	2,572,720	2%
World Bank	88,000	0	0	0	88,000	0%		1,800,000	0	764,637	0	2,564,637	2%
Other Donor	13,836,477	2,320,979	5,698,597	3,058,217	24,914,270	12%		8,578,573	2,614,353	12,581,195	12,464,112	36,238,233	22%
Private Sale	49,530	40,100	216,782	53,338	359,750	0%		94,913	205,164	250,150	176,930	727,157	0%
Total	37,279,228	52,620,885	67,717,834	49,163,603	206,781,550	100%		46,803,674	28,686,633	40,504,925	47,541,035	163,536,267	100%

# New LLIN Mapping Program

1. Maps the global LLIN deliveries by country by year
  2. Identifies cumulative delivery totals by country by year
  3. Includes individual country maps that detail in-country LLIN distribution by year
  4. Located on the AMP website and available to anyone who needs or wants this data
- We now have a structure in place to provide a “complete picture” of where LLINs were sent and where they ended up



# Discussion

- This program has been set up with **you** in mind
  - Primarily: Country NMCPs and donors
  - The program will be on the AMP website very soon – check it out and let me know your thoughts
- Suggestions for improvements are encouraged and appreciated
  - Lots of things we could do with the data in the system
  - Links to other systems – MAP, IRmapper
  - Funding?
- Key issue at the moment:

We now have the ability to see the complete picture of delivery and distribution. We have consistent delivery data from manufacturers **But...** We need to collect LLIN in-country distribution data to make this program truly useful.

***Asking for your help in providing this distribution data in any form***

Email: jemilliner@gmail.com