

Bednets: Supply Update.

UNICEF Supply Division

Partner Meeting on Scale-up Integrated delivery of LLINs
Geneva, 21-22 February, 2008

For every child
Health, Education, Equality, Protection
ADVANCE HUMANITY



Procurement of bednets by UNICEF

Distribution and promotion of use of insecticide treated nets (ITNs) is a key intervention in Accelerated Child Survival and Development strategies.

UNICEF is a major buyer of Long Lasting Insecticide Treated Nets (LLINs) and have worked closely with manufacturers and partners to facilitate the availability of ITNs for programs during scale-up.

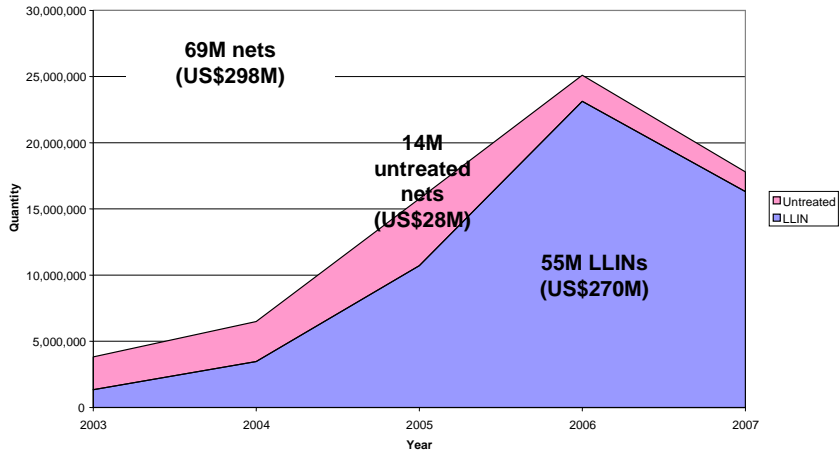
Work with countries supported by WB, Global Fund, Japan, USAID, EU and other partners, both through UNICEF programme support and through Procurement Services.

There is a close relation with manufacturers to ensure quality and timely availability.

Forecast introduced in 2006. Updated regularly through the year and shared with industry during 2007.

Procurement of bednets by UNICEF (2003-2007)

Procurement of bednets by UNICEF (International Procurement)

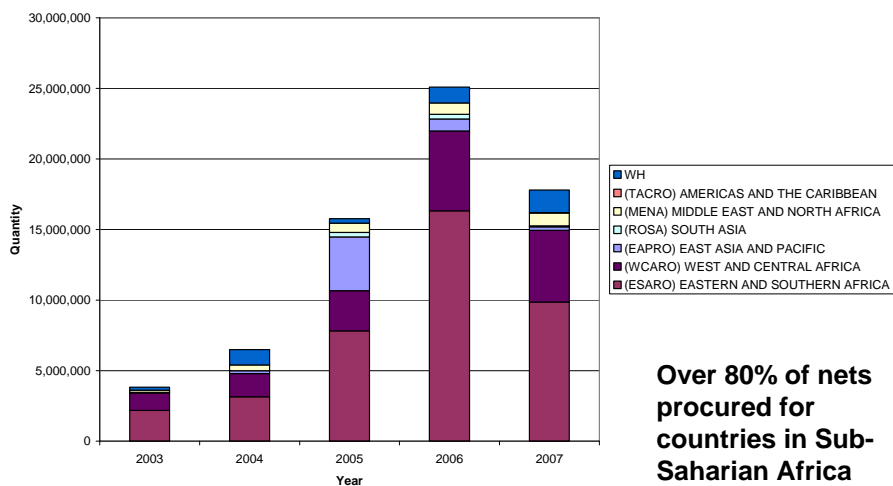


Also, insecticides for net treatment:

Insecticide for net treatment (single use)	2002	2003	2004	2005	2006	2007
	674,275	6,350,700	6,564,667	9,376,451	8,557,400	6,177,805

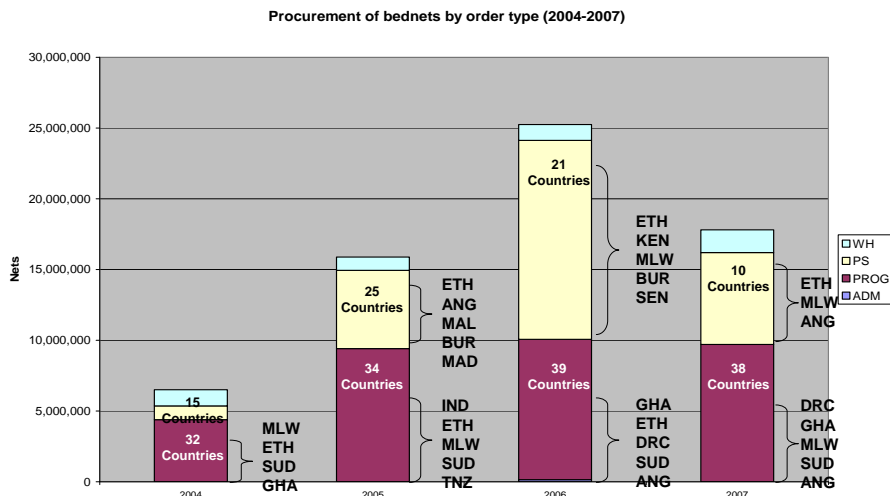
Procurement of bednets by region

Procurement of bednets by UNICEF by Region (International Procurement)



Over 80% of nets procured for countries in Sub-Saharan Africa

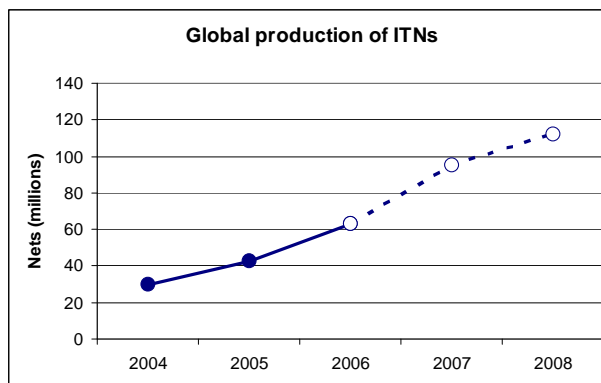
Procurement of bednets by order type



In 2006, approximately half of nets were procured for partners through Procurement Services (GF, WB funds and NGOs), with a large component for campaigns. Major sources of funding for UNICEF programmes are Japan, USAID, EU and UNICEF regular resources.

ITN GLOBAL PRODUCTION

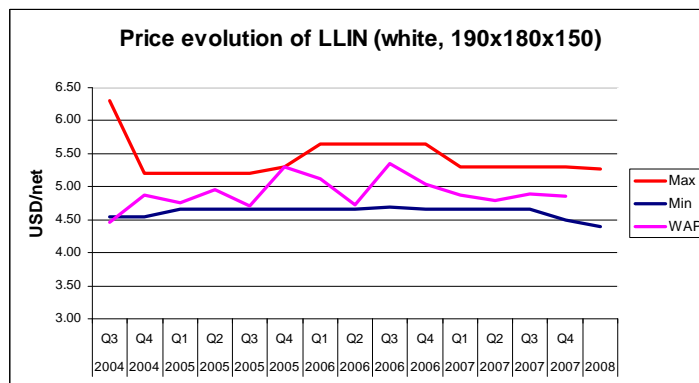
Global production of nets doubled from 30 to 63 million in only 2 years (2004-2006). Continued expansion of capacity in 2007 and 2008.



- Expanded number of suppliers in 2007-2008
- LLIN technology transfer to Africa and Asia
- Increased financing available
- Increasingly accurate projection of demand and funding

Estimates of production (2004-2006) and capacity (2007-2008). Maximum capacity based on standard nets.

Prices of LLINs have remain largely stable through the scale-up:



- Continued increase in demand and entrance of new manufacturers is enabling a more competitive market.
- Increase in capacity is linked to lower prices in 2008 (WAP would be expected to be lower in 2008 than in 2006-2007).

The range of products is also expanding, which brings new issues regarding product selection and establishment of competition:

Supplier	Net	Material	Insecticides	Treatment process	WHOPES Evaluation
Sumitomo Chemical Co. Ltd.	Olyset	Polyethylene	Permethrin	Incorporated to fiber	WHOPES Approved
Vestergaard Frandsen S.A.	PermaNet	Polyester	Deltamethin	Coated	WHOPES Recommended (03)
BASF South Africa PTY Ltd.	Interceptor	Polyester	Alphacypermethin	Coated	WHOPES Recommended (07)
Bestnet Europe Limited	Netprotect	Polyethylene	Deltamethin	Incorporated to fiber	WHOPES Recommended (08)
Clarke Mosquito	DuraNet	Polyethylene	Alphacypermethin	Incorporated to fiber	WHOPES Recommended (08)
Tana Netting Co., Ltd	Dawa Plus	Polyester	Deltamethin	Coated	Ongoing
Syngenta		Polyester	Lambda-cyhalothrin	Coated	Ongoing

The characteristics of these nets vary widely in terms of material, pesticide and incorporation technology. Also in mesh size, strength and claimed effective life.

While there is now a wider choice of nets that meet the standards of effectiveness, establishing preferences and specifications for tendering are also more complicated.

There is need for better information regarding the benefits of the various nets (durability, effective life, acceptance, price), but also need to consider that current capacity for all nets is required to meet increases in demand.

UNICEF 2008 tender

Objective to establish multiple supply arrangements to ensure a sustainable and uninterrupted supply of affordable quality products.

Tags in nets generic, without any specific UNICEF logos (although specific logos for programmes are requested by some countries).

Quality:

Products with WHOPES recommendations (phase II)

Pre-qualification of net manufacturers prior to procurement;

Factory inspection, sample testing at lab

Pre-delivery inspection before shipment on every order and lab testing on net consignments.

Forecasting

Initiated in 2006 to increase our capacity to plan needs with countries and manufacturers.

It does not substitute the need for global forecast to guide industry.

Country originated, conducted together with the vaccine forecast, but with focus on 50 countries.

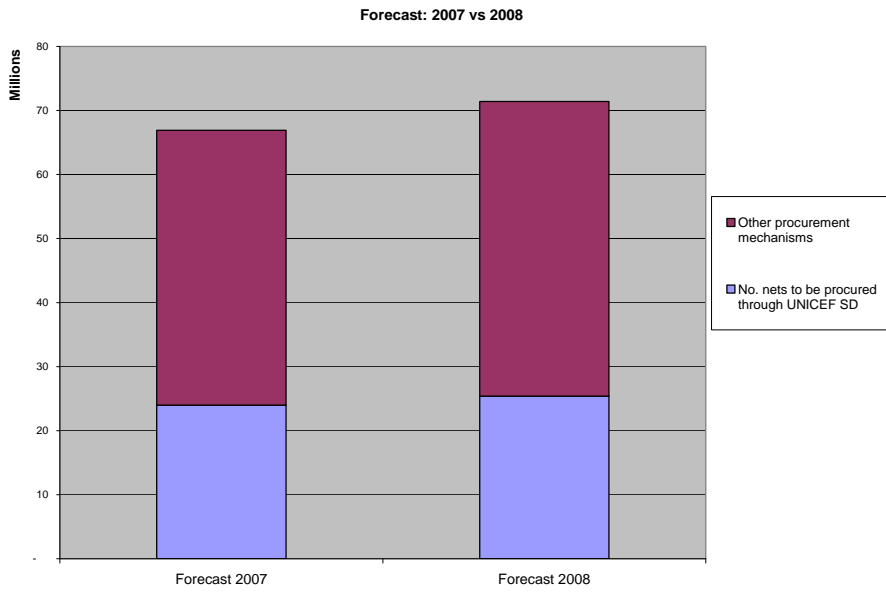
Annual quantities by net type (including size and colour) and monthly shipment plan.

Covers ITNs and insecticides.

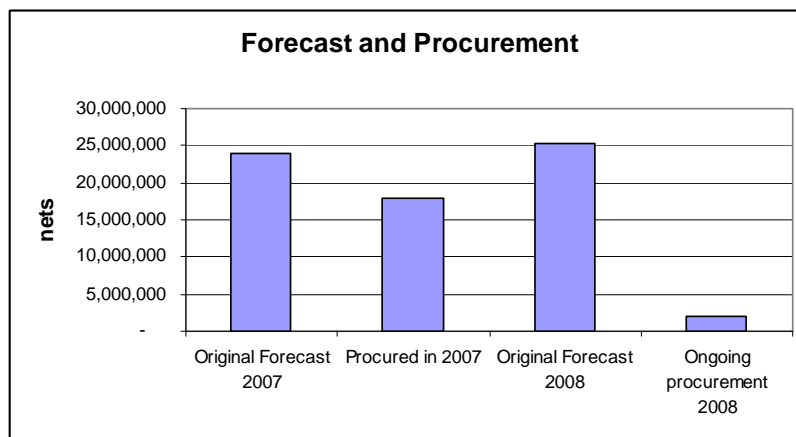
Response so far has been good:

Forecast response	2007	2008
Target countries	42	50
Submissions received	40	45

Comparison 2007-2008 forecast (original forecasts)

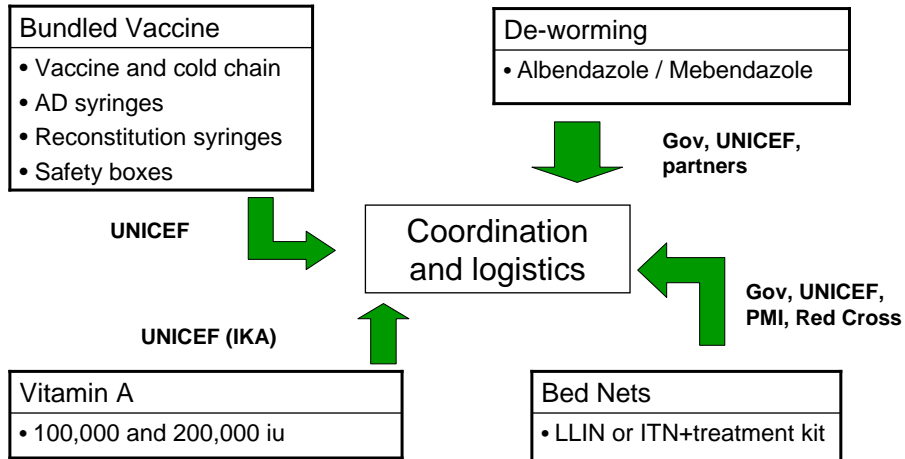


Forecast 2007-2008 (UNICEF procurement)



Great variability of accuracy by country and also by type of net (not shown). However, there is room for improvement as countries develop more detailed plans for distribution of bednets.

Campaigns. Expanded range of products for integrated campaigns require additional coordination



A good procurement plan ensures a good start for a successful campaign!

Lead Times – 2006

(lead-times for significant quantities may be longer)

	Duration in Weeks from Order Placement															
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
Vitamin A	2 - 4 Weeks		Sea Freight 1 - 2 Months													
De-worming	2 - 4 Weeks		Sea Freight 1 - 2 Months													
Measles Vaccine	Lead Time 3 Months												←Air Freight			
Injection Devices	Lead Time 1 Month		Sea Freight 1 - 2 Months													
LLIN's	Lead Time 5 - 6 Months												Sea Freight 1 - 2 Months			
Untreated ITN's	Lead Time 1 - 2 Months		Sea Freight 1 - 2 Months													

Above figures exclude In-Country Distribution

Current Lead Times

(lead-times for significant quantities may be longer)

	Duration in Weeks from Order Placement															
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
Vitamin A	2 - 4 Weeks		Sea Freight 1 - 2 Months													
De-worming	2 - 4 Weeks		Sea Freight 1 - 2 Months													
Measles Vaccine	Lead Time 3 Months															
Injection Devices	Lead Time 1 Month		Sea Freight 1 - 2 Months													
LLIN's	Lead Time 3 Months						Sea Freight 1 - 2 Months									
Untreated ITN's	Lead Time 1 - 2 Months		Sea Freight 1 - 2 Months													

Above figures exclude In-Country Distribution

- Increased capacity for LLIN production has shortened lead times (specially for standard nets, with 4-6 week production lead-times and often stock available).
- Timing of availability of funding still the major reason for targets not being met and restrictions in choice of product.
- With current constrains in shipping to many African destinations, the early availability of funds to initiate procurement is essential and should be prioritized by donors.

Forecast is the starting point for planning

FORECAST 2008. CAMPAIGNS

Region	Country	Nets	Procurement	
			UNICEF	Gov./other
WCARO	Burkina Faso	2,147,522		2,147,522
WCARO	Cameroon	335,000	35,000	300,000
WCARO	Central African Rep.	464,655	134,625	330,000
WCARO	DR Congo	1,500,000	500,000	1,000,000
WCARO	GHANA	200,000	200,000	
WCARO	Guinea-Conakry	640,439		640,439
WCARO	Cote d'Ivoire	3,370,225	3,370,225	
WCARO	NIGERIA	8,400,212		8,400,212
WCARO	TOGO	513,619	513,619	
ESARO	Burundi	1,466,257	1,466,257	
ESARO	Mozambique	2,360,000	60,000	2,300,000
ESARO	Uganda	300,000	300,000	
MENA	Djibouti	274,400	274,400	
MENA	OLS	266,667	266,667	
MENA	Sudan	1,008,000	504,000	
ROSA	Afghanistan	160,000	160,000	
TOTAL		23,406,996	7,784,793	15,118,173

There is need for active follow-up with countries on status of preparation and funding, specific needs and procurement mechanism (directly with country offices and through the malaria integration network).

UNICEF will establish a planning team in 2008 to monitor status of campaign plans and better support country needs and global coordination mechanisms.

Thank you!

