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Nigeria

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To the Editors,

36 The Global incidence of malaria is estimated to be 250 million clinical cases annually 37 leading to approximately 1 million deaths mostly of children under 5 years of age [1]. The commonest specie of plasmodium in Nigeria is plasmodium falciparum which 38 39 accounts for 98% of malaria infections in Nigeria [2]. Nigeria accounts for up to 25 40 percent of the global malaria cases and deaths [3] and malaria is one of the common causes of hospital attendance in all age groups [2] 2 and also one of the four 41 commonest causes of childhood mortality in the country [2]. Every year, the nation 42 43 loses several billions of naira, derived from cost of malaria treatment and absenteeism from work, schools and farms [2]. 44 As part of strategies to reduce the burden of malaria globally, the use of the long 45 46 lasting insecticidal nets (LLIN) has been strongly advocated. In sub-Saharan Africa, 47 the estimated proportion of people with access to a LLIN in their household was 56% 48 in 2014 and 67% in 2015 [4]. However, the estimated proportion sleeping inside an LLIN was 46% in 2014 and 55% in 2015 [4]. The Nigeria Malaria indicator survey 49 50 2015 showed that 71 percent of households in Nigeria have at least one mosquito 51 net and over 70% of these nets were acquired during net distribution campaigns [3]... 52 LLINs are an important part of the roll back malaria strategy and are reported to be the most efficacious of all currently feasible interventions for malaria control in Africa. 53 54 Insecticide treated nets and long lasting insecticidal nets have protective effect to the individual user, as well as a community-wide effect because the occupied nets act 55 like baited traps for mosquitoes [5]. This reduces the likelihood of malaria infection 56 57 and the population of infective mosquitos [5]. Optimal use of ITNs to prevent malaria 58 in а community depends behavior, on vector mass distribution, 59 knowledge/willingness of people to use the nets and misuse of the nets [1]. Reports 60 of misuse of LLIN and ITNs range from use as door blinds, window curtains, 61 blankets, ceiling covers, tablecloths, and even as decorative dressing for weddings 62 and burial ceremonies [6]. In Akwa Ibom state in South – South Nigeria, a curious 63 and incredible misuse of LLINs is gradually now becoming common practice.



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64 Individuals prefer to use these nets (Figure 1 & 2) to protect crops in their farms 65 (planted "Water leaf" -Talinum fruticosum) from pests particularly Insects and 66 domestic animals. This is particularly rife in the suburbs and rural areas where 67 women plant these crops in their backyards close to the home and cover them with 68 LLINs. Cultivation of plants in a controlled environment is better done in a "Green 69 House". However, the technology is not common in Nigeria and the cost is way 70 beyond the reach of the average rural dweller in Nigeria. 71 It has also been reported that some people use their LLINs to catch fish; these nets 72 are considered as cheap alternative to regular fishing nets [7]. Others cover ant hills with the nets in order to catch white ants; a local delicacy eaten as a mid-day snack 73 74 in some parts of Africa [7]. This gross misuse of these nets has the potential to 75 create donor apathy and end the much desired support for any intervention that is 76 vital to malaria control and must be strongly discouraged. Efforts must be intensified 77 to disseminate information on the many advantages of the proper use of the LLINs.

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CONFLICT OF INTEREST

80 NOT GIVEN

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AUTHOR'S CONTRIBUTIONS

83 NOT GIVEN

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114	FIGU	IRE LEGENDS
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116	Figur	e 1: Long lasting insecticidal nets used in the farm to protect crops
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118	Figur	re 2: Long lasting insecticidal nets used in the farm
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128 **FIGURES**



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Figure 1: Long lasting insecticidal nets used in the farm to protect crops

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Figure 2: Long lasting insecticidal nets used in the farm