SIGNATURE PAGE FOR CONSENT TO PARTICIPATE IN THE STUDY

Study Title: Trial of PermaNet 3-barrier bednets as part of an operational distribution programme in Haut-Katanga province, DRC (BBnets) v2.1

PIS: Net durability assessments v2.10

I have read /been read the information sheet concerning the study and understand what will be required of me if I take part and I have had the opportunity to ask questions about the study and what will be required of me.

I understand that I am free to refuse to take part and at any time may withdraw from inclusion in this study without giving a reason and without affecting my normal healthcare or that of my family. I voluntarily agree to take part in the study.

PARTICIPANT'S CONSENT

My signature (or thumbprint) below confirms that I freely agree to take part in the study.		
		|___|___|/|___|___|/|___|___|___|___|
Participant's Name	**Participant's Signature/Thumbprint**	**Date**

IMPARTIAL WITNESS in the event the participant is unable to read

I confirm that I saw the participant being informed about the study and that he/she freely consented verbally and by marking this form confirms to this consent.		
		|___|___|/|___|___|/|___|___|___|___|
Witness Name	**Signature**	**Date**

Study team member

As an individual properly delegated by the principal investigator, I have fully informed the participant of all relevant aspects of the study, that I have answered any questions arising.		
		|___|___|/|___|___|/|___|___|___|___|
Team member name	**Signature**	**Date**

PARTICIPANT INFORMATION SHEET

D. Household mosquito collections v2.1

Version Date 18/09/2023

Study Title: Trial of PermaNet 3-barrier bednets as part of an operational distribution programme in Haut-Katanga province, DRC (BBnets) v2.1

DRC Principal Investigators: Dr Nono Mvuama and Dr Josue Zanga, University of Kinshasha School of Public Health. UK Principal Investigators: Dr David Weetman and Prof Janet Hemingway, Liverpool School of Tropical Medicine.

Funded by UK Research and Innovation Strength In Places Fund, Against Malaria Foundation.

Reviewed by the ethical committees of the Liverpool School of Tropical Medicine, UK and the University of Kinshasa Medical School

Sponsor: Liverpool School of Tropical Medicine, UK

What is the purpose of the study?

The Liverpool School of Tropical Medicine (UK), University of Kinshasa School of Public Health, have partnered with the net manufacturer Vestergaard, the net provider Against Malaria Foundation, and the National Malaria Control Programme to investigate how well insecticide bednets distributed in health zones in Lubumbashi, Haut Katanga may be protecting you and your communities from malaria. We are investigating this by assessing how rates of malaria change in different areas of Lubumbashi receiving different nets. Recent studies in DRC and elsewhere show that malaria parasite infection rates in pregnant women tested at antenatal clinics provide a good indicator for the community.

Why has my house been chosen?

You have been asked today to consider joining this study because your house is within an area we have identified for surveys to collect information and mosquitoes as part of the study. There is no specific reason why your house within the area has been chosen.

How can I join the study?

After considering the information in this sheet you will be given 24 hours to consider whether you wish to be involved and if you are happy to proceed will be asked to give your written agreement to allow collection of mosquitoes from your property in the near future.

Do I have to take part?

Your participation is entirely voluntary. It is up to you to decide whether to take part. If you do decide to take part, you will be given this information sheet to keep and be asked to sign a consent form. You are still free to withdraw at any time and without giving a reason. Your decision to take part or not, will not affect any form of healthcare you receive.

What will happen if I agree to my household to take part?

If you agree to take part, we will request permission to collect mosquitoes in your house in the near future. This should take no more than 20 minutes. We will ask you to sign the consent form and will ask again for your verbal consent on the occasion we visit for collections. We will call at your house at least 24 hours in advance of the collection date to notify you of the proposed collection date and check that this is convenient. We will also record a few basic structural details of your house such as wall construction material and roofing type, number of rooms, and will ask you how many people sleep there and how many bednets are used.

Procedures

On the morning of collection we request that you keep windows and doors closed as much as possible until we have visited to prevent exit of any mosquitoes present. It would be helpful if residents could vacate the property during our collection but one or more of your household members are welcome to remain to observe. Mosquitoes will be collected from rooms in your house using a mechanical suction device which we are happy to demonstrate to you. Collections will take no more than 20 minutes and are planned to occur between 6am and 9am (or by 10am at the latest). Mosquitoes collected will be stored in tubes and later identified, counted, and parasites and insecticide resistance genes within them identified if present.

What are the possible risks and disadvantages of taking part?

There are no risks to you or your household if you take part in the study. The only disadvantage is the possible inconvenience of keeping your house closed until we visit, and the request for most of the members to vacate the property if possible during the collection period. If sick or infirm people live in your house who could not easily vacate the property at the time of collection we advise that you do not agree to take part to avoid their inconvenience.

What are the possible benefits of taking part?

There is no direct benefit to taking part and we cannot offer to provide payment. Information we get from this study will help us to understand how well insecticide treated bednets are protecting people and will help us to understand which bednets provide the best protection, which will inform future distributions.

What will happen to the results?

Results will be entered into a study database and transferred to the UK for analysis. Paper records including consent forms will be destroyed within 3 years of the study completion. The findings of this study will be made available to the providers of the bednets Against Malaria Foundation, the National Malaria Control Programme. the Ministry of Health, to other stakeholders and decision-makers, and to the wider community by publication in an international journal. No information which will allow your identification will be used in reports or publications. We will provide a summary of the findings to your local health centre for display within 12 months of completion of the trial.

What if I <u>do not</u> want to take part in the study?

Your participation is entirely voluntary. It is up to you to decide whether to take part. If you do decide to take part, you will be given this information sheet to keep and be asked to sign a consent form. You are still free to withdraw at any time and without giving a reason. Your decision to take

part or not, will not affect any form of healthcare you receive. You are free to refuse entry to collect on any occasion if you have signed the written consent form.

What if I do want to take part in the study?

If you wish to take part in the study, after you have asked any questions, we will ask you to sign a consent form to indicate that you understand what the study is about and what will be required from you. We ask you to explain to any members of your household who are not present at the time of our initial visit. We will arrange a date for the visit to your house for the collection or if the collection will not occur for any reason we will also notify you of this. You are free to refuse entry to collect on any occasion if you have signed the written consent form.

Please feel free to ask the collection team staff about anything that you feel you have not understood or any concerns you may have. You can also contact the study team leads on the telephone number below:

Dr Nono Mvuama tel: 08977854777

Dr Josue Zanga tel: 0815108117

If you have any complaints about the study and wish to make a complaint to someone not involved in the study team please contact:

Professor Graham Devereux, the chair of the Liverpool School of Tropical Medicine Ethics Committee. Email LSTMREC@lstmed.ac.uk

Thank you for taking the time to read this sheet and for considering joining the study.

Safeguarding

The study team and data collectors are expected to behave ethically and responsibly at all times and follow the Liverpool School of Tropical Medicine and University of Kinshasa code of conduct. This means that they must not ask you for any financial, physical or sexual favours in return for taking part in this research. If you experience any abuse, harassment or neglect by a study team member you can contact the study Safeguarding Lead – Dr Josue Zanga, tel: as above, email: josuezanga1979@gmail.com. You may call this telephone number at any time. You may also raise a safeguarding concern directly with LSTM Designated Safeguarding Officer Philippa Tubb tel: +44 (0)151 705 3744, email: safeguarding@lstmed.ac.uk. LSTM's safeguarding commitment is described on the LSTM Safeguarding webpage: https://www.lstmed.ac.uk/safeguarding

LSTM data protection statement: Whilst you are consenting to participate in the project, which you may withdraw from. Once data has been obtained for the purpose of analysis for example, if you choose to opt out of participating from the study, it may not be possible to remove all data items, such as anonymised data that is used for the analysis. In these circumstances, the legal basis applied in order for LSTM to comply with GDPR is; (1) Article 6(1)(e) (e) Public task: the processing is necessary for you to perform a task in the public interest or for your official functions, and (2) Article 9(2)(j) (j) Archiving, research and statistics is the purpose the processing is being conducted.

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PIS: Household mosquito collections v2.1

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Study team member

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Team member name	**Signature**	**Date**