

LLIN Priorities Work Stream Work Plan 2018 / 2019

Co-leader: Hannah Koenker and Lena Lorenz

| # | Name of Activity | Timeline | Status | Responsible | Comment |
|---|---|-----------|-------------------|-----------------------------|---|
| 1 | Durability Monitoring: | | | | |
| | How do DM results feed into post-marketing quality assurance processes? What are the mechanisms? | ongoing | <i>In process</i> | PQ, I2I, WHO, with partners | Note that durabilitymonitoring.org is specifically focussed on monitoring (and primarily for PMI countries). Follow up with Rajpal and Raman and Dominic. Ensure Rajpal available for future calls. |
| | Interpreting interim and final PMI DM results - defining thresholds for further investigation or action | Oct/Nov | <i>completed</i> | VectorWorks | Key sub-questions: <ol style="list-style-type: none"> 1. When is an ITN no longer protective, and how to define that 'state'? 2. Is it possible to combine physical and insecticidal condition into a single parameter? Which of these is 'most important'? 3. What are the factors that determine durability in a given context - that programs can then take action to influence? 4. What action to take if LLINs have low insecticidal activity? 5. How to translate durability monitoring data into decisions on net distribution timing and strategy? |
| | Do ITNs expire in their packaging? | June 2018 | <i>In process</i> | VectorWorks with AMP | Key sub-questions: <ol style="list-style-type: none"> 1. If countries increase continuous distribution between campaigns to maintain coverage, then at successive campaigns, there will be more existing nets. Are these accounted for? Ignored? |

| | | | | | |
|---|--|-------------------------------|-------------------|---|--|
| | Effect of storage conditions on bioefficacy | Feb 2019 | <i>In process</i> | VectorWorks with manufacturers and partners | Sources of data: <ol style="list-style-type: none"> 1. ABCDR study; VW requesting to conduct testing 2. BASF has 5 years of data 3. PSM project testing chemical content post-shipping; taking a while 4. Historical/mmanufacturer data |
| | Would recommendations differ if ITNs are given in opened packaging vs no packaging (from bulk procurements)? | | <i>In process</i> | | |
| 2 | ITN Distribution | | | | |
| | What is cost-effectiveness of continuous distribution vs repeated mass campaigns? | For presentation at VCWG 2018 | <i>In process</i> | Josh Y/Olivier B | |
| | Should households continue to use old nets when they get new nets, or should they dump and switch? | | | Transfer to AMP | Evidence is lacking and households will decide in any case. |
| | Do we take existing nets into account in CD+mass distribution strategies? | June 2018 | <i>pending</i> | Josh Y / Olivier B | Hold for cost-effectiveness results. |
| | What do households do with new nets if they still have old ones? | 2018 | <i>In process</i> | Lena; Vectorworks | Sources of data: <ol style="list-style-type: none"> 1. ABCDR; 2. VectorWorks durability data (5 countries); |
| | What are effective LLIN distribution options for low-transmission urban areas? | | | Need a volunteer! | Key Questions: <ol style="list-style-type: none"> 1. Are untreated nets sufficient in areas of low prevalence and improved housing? 2. Maintain ANC and EPI distribution but drop mass campaigns? |

| | | | | | |
|---|---|---------|--------------------|---------------------------------|---|
| | | | | | 3. Urban malaria transmission is heterogenous - check with LSM folks on mapping urban malaria data availability? |
| 3 | Next Generation Nets: focus on key issues during and after pre-qualification transition process | | | WHO normative guidance required | |
| | Share updates on I2I work on LLIN qualification process | ongoing | <i>In process</i> | Angus | |
| | M&E needs for NGN <ul style="list-style-type: none"> • monitoring physical durability and bioefficacy • monitoring epidemiological outcomes | ongoing | <i>In process</i> | Various; Who is this with now? | Epidemiological outcomes covered by WHO processes Unitaid Updated WHO testing guidelines; Rajpal says no plans to update. |
| | How many NGN would be needed in various scenarios? How many needed for wholesale replacement? How many for targeting/mosaic? | | <i>Not started</i> | Volunteer! | Numbers and type and strategy for scenarios: Key questions: <ol style="list-style-type: none"> 1. How to decide where to prioritise these nets? 2. How are we going to detect effects of NGNs in resistance management? 3. How do we encourage a marketplace where rotation doesn't interrupt manufacturing process? How should this be organised while recognising that countries can procure what they would like? Operational implications of various rotation/mosaic strategies to be considered by AMP |
| | Modeling work on NGN | ongoing | <i>In process</i> | Scientific communities | Ongoing: <ol style="list-style-type: none"> 1. SwissTPH - simple model - epi impact of NGN vs standard nets |

| | | | | | |
|---|--|----------|-------------------|------------------------------|---|
| | | | | | <ol style="list-style-type: none"> 2. Tom Churcher - cost-effectiveness of NGN 3. Ian Hastings - |
| | What information do countries need to gather to prepare for informed procurement of NGN? | ongoing | <i>In process</i> | Volunteer! | <p>Including but not limited to:</p> <ol style="list-style-type: none"> 1. Resistance status of mosquito populations (at what granularity) 2. Usage rates 3. Preferences 4. Etc <p>A framework that could connect to an IRM plan.</p> |
| 4 | ITN M&E Issues (With MERG) | | | | |
| | Population access to ITNs as 'best' indicator of universal coverage | Dec 1 | <i>In process</i> | Hannah | Jointly authored paper in draft form, from MERG discussions |
| | <p>ITN indicators and survey questions</p> <ul style="list-style-type: none"> • "Source of net" question not currently providing clear data; WS provide recommendations for more useful question construction | July | <i>done</i> | MERG | MERG meeting in October; two-stage question already being more widely applied. Webinar? |
| 5 | ITN Use Issues (with SBCC WG and AMP) | | | | |
| | Seasonal patterns of ITN use | Jan 30th | <i>In process</i> | VectorWorks with ICF and CDC | |
| | <p>Mosquito net fishing and its effects on aquatic life and livelihoods:</p> <ul style="list-style-type: none"> • Consider a multisectoral workshop on this issue to bring | Oct | <i>done</i> | Lena | <p>Disseminate outcomes of meeting. Coordination with AMP on this topic; October 31st/Nov 1st meeting in Oxford/Zoological Society of London</p> |

| | | | | | |
|--|--|-----|---------------------|-------------|---|
| | together disparate data and experiences | | | | |
| | ITN repurposing: Draft joint consensus statement on with AMP EIWG; RBM SBCC WG | Dec | <i>Nearly final</i> | Sara Berthe | Circulate draft to LLIN Priorities workstream |