Implementation Science Subgroup Meeting September 26, 2018

Participants: David Hamer (BU) [co-chair], Karin Kallander (UNICEF) [co-chair], Macie Bayer (USAID), Amy Ginsberg (Save the Children), Elizabeth Hourani (MCSP/JSI), Troy Jacobs (USAID), Dyness Kasungami (MCSP/JSI), Felix Lam (CHAI), Sarah Marks (Malaria Consortium), Alice Maurel (Malaria Consortium), Alfonso Rosales (WVI), Helen Smith (Malaria Consortium), Charlotte Ward (Malaria Consortium), Leslie Wentworth (CHAI)

Recording Link: https://mcsprogram.adobeconnect.com/pynyjdy1mxjj/?proto=true

Action Items:

- Karin to share white papers on pleth device respiratory rate.
- Subgroup members to enter projects into implementation science research mapping document <u>here</u>.
- Subgroup members with active or recently completed research, who would like to present at a future meeting, can email Karin, David, and Elizabeth.
- Felix to forward invite for Melinda Munos' side session at HSR.

Meeting Notes:

- Presentation by Charlotte Ward, Malaria Consortium: ARIDA field trials update on ARIDA device agreement and acceptability studies in Ethiopia and Nepal Due to upcoming presentations at dissemination events, the slides are unable to be shared. Please refer to recording link for additional information.
- Questions:
 - Can you explain more about why the Philips ChARM device study was stopped early?
 - It was found halfway through the study that the device showed green when in fact it should have been red. After further investigation, when the reading was on the cutoff (50 vs. 50 or more). The device had to be taken back and reprogrammed and the study could not be continued with those devices.
 - If in the end the accuracy was not able to be assessed, then what can we say about accuracy at this point?
 - There were a lot of opinions about what we can and cannot say about the results. The advisory group agreed that the message is because we don't have a gold standard at this point, we should not be talking about accuracy of these devices.
 - Do you have an idea on what the cost would be for these devices?
 - The ChARM device comes in two versions, the rechargeable version is \$75 and the other is \$50. The Rad-G is about \$250.
 - Will you be doing agreement testing for the Rad-G?
 - This will not be done in the acceptability studies moving forward. This is partly because the partner teams and advisory group do not believe it is worthwhile as there is no reference group to compare it to. Instead, we are looking at consistency in what it was produced to do.
 - Will you be looking at the time it takes for the Rad-G device to display a respiratory rate?

- Yes, that is part of the assessment. We are also looking at whether they able to use the device correctly, choose the right age group, document the rate the device gets and use that in classifying and treating the child.
- Review of Child Health Research Mapping Exercise
 - The co-chairs reviewed the responses received so far in the child health research mapping exercise.
 - As the CH TF has broadened to subjects that were not covered under the iCCM Task Force, it may have been difficult for people to choose where to place their organization's research study. Many research projects may be cross-cutting. The cochairs are open to suggestions for optimal categories.
 - There are a number of gaps in each of the categories. Would like to open up the discussion to how this information could be used aside from identifying gaps in research.
 - Newer areas of ECD, nutrition, TB, and HIV have been difficult to get information on.
 - The co-chairs have encouraged other subgroups to include research priorities in their TOR, which could then feed into this document.
 - Co-chairs suggested adding an additional column about completed works. There was some concern about the return on investment to updating and maintaining the list. It's helpful but it can be a lot of work for someone.
 - Co-chairs may use this list to look for recent research that could be presented on in future subgroup meetings.
- AOB
 - Upcoming global meetings:
 - Are there presentations at upcoming meetings that may be of interest to the group?
 - Melinda Munos from Hopkins is organizing a side session at HSR. There is also one in Washington, DC in November for those not going to Liverpool.
 - USAID presentations at Liverpool regarding CIRCLE and HEARD projects, (MCHN implementation science projects)
 - Diarrhea Innovations Group has a symposium on ORS/Zinc and improving diarrhea disease survival on Thursday Nov. 1st at ASTMH.
 - Innovative Treatment Strategies for Severely III Infants and Children in Low-Resource Settings – Thinking Beyond Antibiotics at ASTMH on Oct. 30 AM.
 - Oral presentation on results on a program in India to increase uptake of ORZ/zinc via work in the private sector and a mass media campaign (leslie wentworth) ASTMH Nov. 1st
 - Pneumonia Innovations Network webinar on lung ultrasound in October.
 - Next subgroup meeting
 - Will be useful to have a meeting before the CH TF SC meeting December 4-6.