Reviewer’s report

Title: Electronic Health Record Nested Pragmatic Randomized Controlled Trial of a Reminder System for Serum Lithium Level Monitoring in Patients with Mood Disorder: KONOTORI study protocol

Version: 1 Date: 07 Oct 2019

Reviewer: Kimberly McCord

Reviewer's report:

Thank you for the great modifications you have made to your manuscript, which in my opinion has one small change left to be complete.

The reminder intervention process is still not very clear, and you have not improved the chart (for example, using the superscript "b" as a footnote for reminder A, is mental gymnastics. Please consider using numbers instead).

The text with the description of monitoring still needs some work. The wording has improved but I suggest these changes to make it clearer:

"When the participant visits the outpatient clinic between 4 and 8 months after the last lithium monitoring or at the study registration, reminder A will be sent to the treating physician. If the participant visits within 8 months after reminder A, reminder B will be sent. After reminder B has been sent and the participant visits the clinic again (thereafter or between 4-8 months, whichever wording you prefer here), reminder A will be sent another time.

I had not seen the part "Otherwise, no reminder is sent" previously. It is not clear when the reminder is not sent: Do all participants receive the monitoring upon registration to the study? It is possible that they register, no reminder is displayed, and then they never show up for follow-up? If so, only the lost to follow-up would be those without any reminders sent? Please clarify this in the methods section or where you see appropriate.

Thank you

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