Supplementary Material

**Supplementary Figure 1.** Data collection joint display to summarize quantitative and qualitative research questions, data source and mixed methods integration by four feasibility domains.

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| **Feasibility domain** | **Quantitative research questions and measures used** | **Qualitative research questions and data source** | **Mixed methods questions and the reason for mixing methods\*** | **Meta-inference** |
| *Recruitment and retention capability* | 1. *Can we recruit our target population?*
2. *Where can we recruit our target population?*
	1. Number of people expected to express interest
		1. Target: 48 people
		2. Data source: REDCap data
	2. Number of participants who will be eligible and enrolled
3. Target: 24 participants
4. Data source: REDCap data
	1. Number of participants recruited from various sources
5. Data source: REDCap data
	1. Time from screening to enrollment
6. Target: 60 days
7. Data source: Dates on recruitment log and date consent form signed
8. *Can we keep participants in the study?*
	1. Number of participants who remained in the study
9. Target: $\geq $80% retention rate
10. Data source: REDCap data
 | 1. *Where (and how) should we be recruiting?*
2. *How can we improve our recruitment pitch/materials?*
3. *What are the barriers and facilitators to study recruitment?*
4. *What life factors made participation difficult?*
5. *Reasons for participants who dropout*
6. Data source: Focus groups conducted with participants after the week 3 group session.
7. *What life factors made participation difficult?*
8. *Reasons participants dropout*
9. Field notes kept by study coordinator from calls with participants who dropped out; REDCap data
 | * + 1. *What recruitment strategies are feasible when the study recruitment rate and recruitment sources are combined with participants' recruitment experience and suggestions about the recruitment process?***[Triangulation]**
		2. *What recruitment facilitators and barriers are identified when the recruitment rate is combined with participants' experience of the recruitment process?* **[Completeness]**
		3. *What individual or structural barriers to participating in the intervention are identified when retention rates are combined with participants' reasons for dropping out?* **[Completeness]**
 | * + - 1. Implications for adopting new recruitment strategies, partners, or locations.
			2. Implications for improving the intervention including intervention components, material, mode of delivery and duration
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| *Randomization acceptability* | 1. *Can we randomize the target population?*
2. *Is randomization acceptable to potential participants?*
3. Number of enrolled participants who dropped out after randomization
4. Target: 20% drop-out rate
5. Data source: REDCap
 | 1. *Why did you decide to sign up for the study?*
2. *What did participants understand about the research rationale and study information?*
3. *What did participants understand about randomization?*
4. *How did it make you feel to be randomized in a study?*
5. Data source: Participant focus groups on week 3 session
6. *What are the reasons for declining to participate*
7. *Why did you withdraw after learning the group you were assigned to?*
8. Data source: Field notes taken by study coordinator
 | *What facilitators and barriers are identified when enrollment measures are combined with participants' experience of the consent and randomization process, influencing their decision to participate or decline?* **[Completeness]** | Implications for explaining research rationale, study information and randomization process to participants |
| *Data collection acceptability and adherence* | 1. *Are the assessments too burdensome?*
2. *Are the measures feasible and acceptable to participants?*
3. Participant satisfaction/burden ratings in Time 3 survey
 | 1. *How can we make data collection (A1C, survey, interview & focus group) easier?*
2. *Was anything in the surveys unclear?*
	1. Data source: Participant interviews at the end
 | *What facilitators and barriers are identified when data assessment completion rate, satisfaction ratings, and duration of assessment visits are combined with participants' experience and suggestions regarding data collection?* **[Completeness]** | Implications for refining data collection, timing of data collection & revising outcomes |
| *Intervention acceptability* | 1. *Is the intervention acceptable to participants?*
2. Participant satisfaction ratings in Time 3 survey
3. Acceptability of Intervention Measure (AIM), Intervention Appropriateness Measure (IAM) and intervention component specific usefulness/helpfulness ratings in Time 3 survey
 | 1. *Feedback on group education session structure and facilitators/presenters*
2. Data source: Participant interviews after group sessions
3. *Most/least helpful aspects of group education content*
4. *Liked/did not like about intervention*
5. *Feedback on the role of CHW*
6. Data source: Participant interviews at the end
 | 1. *How do participant ratings of intervention acceptability compare to their satisfaction and perceptions of the intervention?* **[Triangulation]**
2. *What are intervention acceptability ratings between high/low intervention adherence groups? Why do ratings vary? What are participants' suggestions to enhance intervention acceptability?* **[Explanation]**
 | 1. Modifications to intervention components and materials
2. Compare qualitative responses between high/low intervention adherence groups to examine acceptability
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| *Intervention adherence* | 1. *Will participants do what they are asked to do?*
2. Weekly group session attendance
	1. Target: $\geq $ 80% of sessions
	2. Data source: sign-in sheets from group sessions in REDCap data
3. Phone call completion (intervention group only)
	1. Target: $\geq $80% of phone calls
	2. Data source: Field notes of weekly check-in calls with Ambassadors in REDCap data
 | 1. *What were the barriers to taking part in weekly group sessions?*
2. Data source: Participant interviews after group sessions
3. *What were the barriers to completing the phone calls with the ambassador? (intervention group only)*
4. Data source: Participants interviews at the end and Ambassador phone call documentation in REDCap data
5. *How do you include diabetes self-management practices into daily life?*
6. Data source: Time 3 interviews
 | 1. *What facilitators and barriers to adhering to the intervention are identified when intervention completion rates are combined with participants' experience of the intervention?***[Completeness]**
2. *What factors hinder or facilitate adherence to the intervention between high/low intervention adherence groups?* **[Explanation]**
3. *How do participants' experience including diabetes self-management practices into daily life differ between high/low intervention adherence groups?* **[Explanation]**
 | 1. Modifications for mode of delivery and intervention duration
2. Compare qualitative responses between high/low intervention adherence groups to enhance intervention adherence groups
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