DATA MANAGEMENT AND SHARING PLAN

Element 1: Data Type
  A. **Types and amount of scientific data expected to be generated in the project:**
  Aims 1 and 2 involve quantitative data collection among a cohort of [POPULATION] (N=#). Participants will complete surveys at #-month intervals for # months. The survey for Aims 1 and 2 will assess a range of behavioral, social, and structural factors that influence [FOCI].

  Aim 3 involves quantitative and qualitative data collection among [POPULATION] and their network members. We will conduct 1:1 in-depth interviews with [POPULATION] (n=#) to explore topics relevant to the intervention, such as: [TOPICS]. We will conduct component testing to determine the relevance of each session of the adapted intervention and areas for refinement. Focus group discussions (N=#) will be conducted to explore the applicability of intervention content, likelihood of shifting network norms, intervention delivery (e.g., duration, location of sessions), and strategies for maximizing retention. Finally, Aim 3A participants (N=#) and their network members (N=#) will complete quantitative surveys at baseline, #-, and #-month follow-ups that are similar to those used for Aims 1 and 2. In-depth interviews will also be conducted immediately after trial participants complete the intervention sessions. We will invite intervention index participants and their associated network member to complete interviews that explore the impact of the intervention on individual- and network-level norms about [TOPIC] at the #-month follow-up.

  B. **Scientific data that will be preserved and shared, and the rationale for doing so:**
  De-identified individual and aggregate quantitative data will be preserved and shared. The deidentification process will remove direct and indirect identifiers. Given heightened risks posed by sharing qualitative data (described below), transcripts from in-depth interviews and focus groups will not be shared. Audio recordings from qualitative data collection will be destroyed after transcription is completed and resulting data are processed/deidentified.

  C. **Metadata, other relevant data, and associated documentation:**
  All data collection instruments (e.g., quantitative surveys, interview guides) and data dictionaries will be freely available to outside investigators. We will also make the contents of the adapted intervention (Aim 3) freely available. Copies of consent forms will also be freely available.

Element 2: Related Tools, Software and/or Code:
  None

Element 3: Standards:
  Data dictionaries that describe the structure, content, and meaning of variables will be made freely available. The dictionaries will include information about the response options (e.g., free text, numerical, categorical or group data), the full wording of questions, what values are allowable (e.g., numeric ranges, multiple choice codes), and what those values mean. The data dictionaries will be available in commonly used formats, such as CSV files and/or PDFs. These data will also include information about relevant skip patterns.

Element 4: Data Preservation, Access, and Associated Timelines
  A. **Repository where scientific data and metadata will be archived:**
  We will archive data (as allowable) at the [REPOSITORY], which is an open access repository for the long-term management and preservation of research data.

  B. **How scientific data will be findable and identifiable:**
  The [REPOSITORY] is an open access repository for the long-term management and preservation of research data. Through depositing datasets in the [REPOSITORY], researchers are able to share their research data with the public for future discovery and reuse. The [REPOSITORY] is administered by professional curators, who work with investigators to ensure data are Findable, Accessible,

Interoperable and Reusable (FAIR). Data Management Consultants at the [REPOSITORY] offer personalized curation services that many public data archives do not, helping to prepare data for long-term preservation and use. Curators also manage access to archived data, store backup copies, and run quality checks on archived data for a minimum of five years. All datasets in the [REPOSITORY] have a persistent identifier (DOI) and a suggested citation, ensuring data are findable, accessible, reusable and citable.

B. **When and how long the scientific data will be made available:**
Final submission and release of the study data (as allowable) will occur approximately 2 years after the end of the project. De-identified data deposited in the [REPOSITORY] will be available to the research community in perpetuity.

Element 5: Access, Distribution, or Reuse Considerations
A. **Factors affecting subsequent access, distribution, or reuse of scientific data:**
All participants will receive information about how data from this study will be shared (if allowable) during study enrollment procedures and in informed consent documents. To ensure the privacy and safety of research participants, we will deidentify the quantitative data made publicly available; for example, we will suppress geospatial data (e.g., zip codes) and other variables that may place persons at greater risk of re-identification or suffering harm. In part, Aim 3 involves qualitative data collection. The resulting transcripts from the interviews and focus groups can potentially reveal sensitive information and identify individual participants. The potential for identification from transcripts is particularly high given our rural context and the inclusion criteria. The higher level of redaction needed to remove potentially identifying and sensitive information would substantially reduce the utility of transcripts in future analyses. Moreover, our prior experiences working with [POPULATION] indicate that ensuring confidentiality is necessary for participants' full engagement in the study. To ensure participants' complete engagement in the study and honest responses, we will not share transcripts or coding summaries from the qualitative data.

B. **Whether access to scientific data will be controlled:**
All deidentified quantitative study data will be made available as public use data to the research community via the [REPOSITORY]. Investigators seeking datasets with suppressed data (e.g., zip codes of home residence) must demonstrate a valid research need. Those data will be available under data-sharing agreements that provide for commitments: (1) to using data only for research; (2) to secure data storage; (3) to destroying or returning data after analyses are completed; and (4) to following rules and regulations for research.

C. **Protections for privacy, rights, and confidentiality of human research participants:**
Once data collection for this study has concluded, all direct participant identifiers (e.g., names and addresses) will be destroyed. During data collection, participants' identifying information will only be accessible by approved staff as part of project duties within a secure computing environment. Deidentification processes of all data will be completed prior to depositing data in the [REPOSITORY]. Study participants will receive detailed information about the use of their data, including how it may be accessed by the broader research community. The privacy, rights, and confidentiality of human subject participants in this study will be protected through the suppression of all direct identifiers and a Certificate of Confidentiality. Further, qualitative transcripts will not be made available as it carries a greater risk to the identification of participants.

Element 6: Oversight of Data Management and Sharing:
Monitoring of and compliance with this Data Management and Sharing Plan will be the responsibility of the project's Principal Investigator (PI). The plan will be implemented and managed by study staff working under the direction of the PI.