# Co-Designing for Menstruation Journey using Asynchronous Remote Communities (ARC) Method



## Abstract

**Prior have previously highlighted that menstrual** tracking does not support other experiences affected my menstrual health, such as religious implications. Our study aims to engage with Muslim women (N=16) through Asynchronous Remote Communities (ARC) to complete a set of remote activities for 8 weeks. This is to allow us to collectively design for the menstrual tracking experience that simultaneously considers their health and religious well-being. We present preliminary findings and next steps for our work. We aim to contribute design considerations for designing equitable health tracking technologies.

### Introduction

The use of Asynchronous Remote Community (ARC) as a research method contribute to an ongoing conversation of accessing stigmatized populations (Maestre et al. 2018). ARC studies allows data collection through multiple methods (email, survey, interview, etc.) because it allows participants to engage with activities on their own schedule. A limitation to this method of research is that recruitment is limited to those with access to technology.

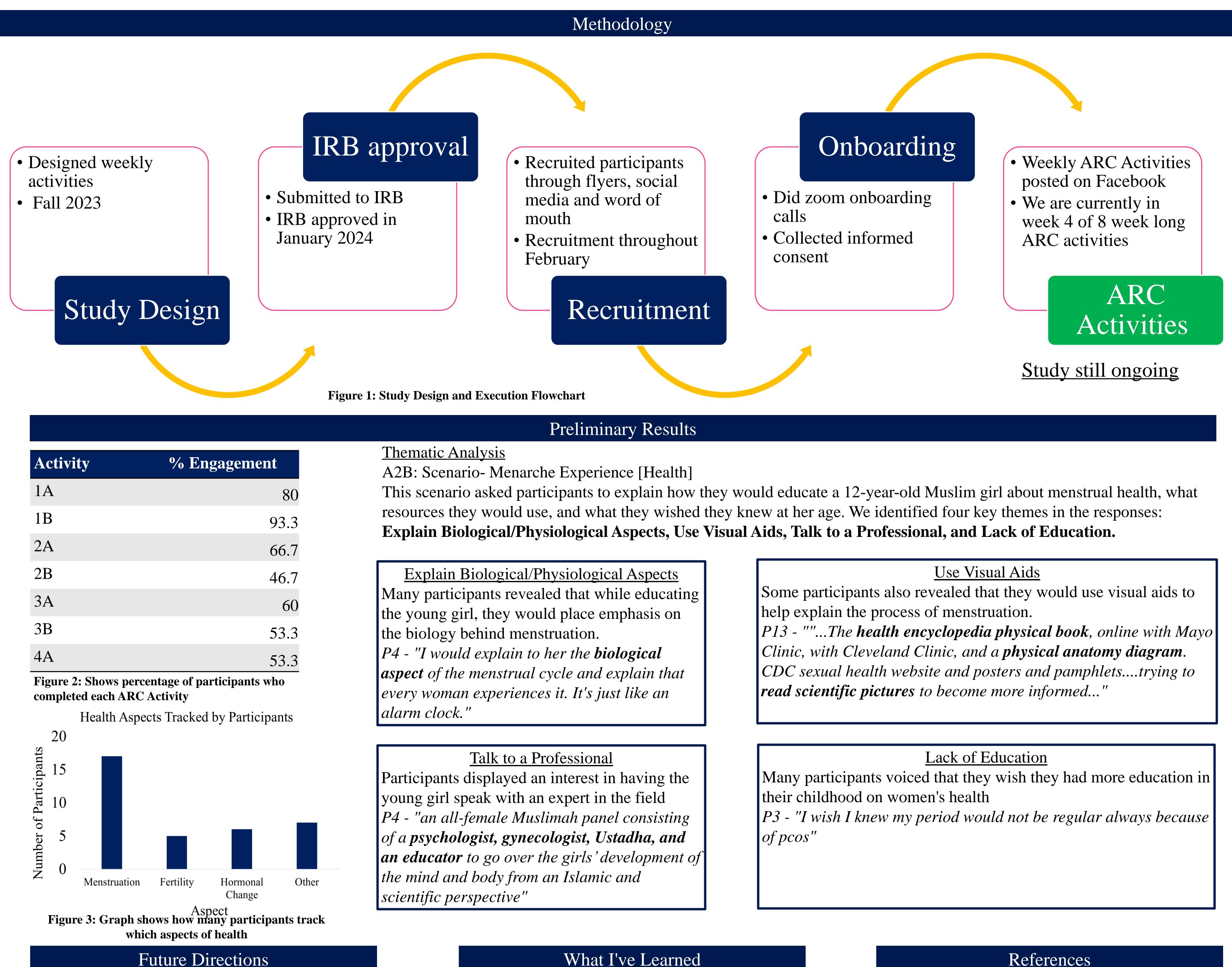
Epstein et al. (2017) examines how and why women track their menstrual cycle. Women typically utilize apps, digital or paper calendars, noticing early symptoms to predict their period or ovulation. People often change their goals and methods of menstrual tracking, and apps rarely support these transition. Epstein et al. (2017) notes that there should be more information and options relating to fertility, pregnancy, and post-partum. Building on this work, Ibrahim et al. (2024) highlights that the conversation about menstrual tracking can be expanded upon when discussing religious accommodations for Muslim women

The purpose of this study is to engage with other participants in designing for the menstrual journey for Muslim women population in the US. The target population for this study is Muslim women above the age of 18 who practice the faith and track their menstrual cycle.



## Aastha Sharma<sup>1</sup>, Zaidat Ibrahim<sup>2</sup>

<sup>1</sup>College of Arts and Sciences, <sup>2</sup>Luddy School of Informatics and Engineering



The next course of action will be to finish the last 4 weeks of the ARC activities.

Next, we will conduct a larger thematic analysis for every ARC activity.

## What I've Learned

- Reading scientific literature
- IRB Approval and Participant Consent
- ARC Study Design
- Creating a Qualtrics Survey
- Thematic Analysis

Epstein, D. A., Lee, N. B., Kang, J. H., Agapie, E., Schroeder, J., Pina, L. R., ... & Munson, S. (2017, May). Examining menstrual tracking to inform the design of personal informatics tools. In Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (pp. 6876-6888).

Ibrahim, Z., Panchpor, P., Nurain, N., & Clawson, J. (2024). "Islamically, I am not on my period": A study of menstrual tracking in Muslim women in the US. In Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems. https://doi.org/10.1145/3613904.3642006.

Maestre, J. F., MacLeod, H., Connelly, C. L., Dunbar, J. C., Beck, J., Siek, K. A., & Shih, P. C. (2018, April). Defining through expansion: conducting asynchronous remote communities (arc) research with stigmatized groups. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (pp. 1-13).

## References