README: Bring A Friend: Leveraging Financial and Peer Support to Improve Women's Reproductive Agency in India

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A. INTRODUCTION

This replication package reproduces the results for the paper entitled "Bring A Friend: Leveraging Financial and Peer Support to Improve Women's Reproductive Agency in India," published in the *Journal of Development Economics*, DOI: https://doi.org/10.1016/j.jdeveco.2025.103706.

This package contains:

- Four Stata Data files
  - *data_baseline.dta*
  - *data_endline_all.dta*
  - *data_endline_final.dta*
  - *clinic_visit.dta*
- One Master Stata Do file
  - *a _master.do*
- Two auxiliary Stata Do files
  - *b _main_tables.do*
  - *c _appendix_tables.do*
- One R Script
  - *d _additional_tables.R*
- One ado file
  - *_gweightave2.ado*

Together, these files replicate the tables and figures in the main paper and in the online appendix.

B. DATA

The replication package includes the following four datasets:

1. ***data_baseline.dta***: this is a STATA dataset of the 671 women who were recruited and interviewed at baseline. This dataset is used to create Table 1, Table A.1, Table A.2, and Table A.3.
2. ***data_endline_all.dta***: this is a STATA dataset of a) the 625 women who were successfully followed up and interviewed at endline, plus b) the 46 women who were not interviewed at endline and had missing outcome data. Baseline variables are denoted with the prefix "*base_*". This dataset is used to calculate balance tables to assess differential attrition, missingness in observations across outcomes, and other robustness checks (Table A.23, Table A.26, Table A.27).
3. ***data_endline_final.dta***: this is a STATA dataset of the 625 women interviewed at endline. Baseline variables are denoted with the prefix "base_". This is the main dataset used to conduct the analysis.
4. ***clinic_visit.dta***: a list of anonymized case IDs of clients who visited the ADC Clinic over the 10-month intervention period.

NOTE: For a detailed description of all the variables that are included in these datasets and how the analytic variables were constructed, please refer to Section A (Variable Definitions) of the Online Appendix.

C. CODE

The replication folder contains:

- ***a _master.do***: The Master do-file.
- ***b _main_tables.do***: Do file that replicates Tables 1-7 of the paper.
- ***c _appendix_tables.do***: Do file that replicates Appendix Tables A.1 - A.3 and A.5 - A.29 of the Online Appendix.
- ***d_additional_tables.R***: R script that formats several tables in the paper and the Online Appendix in preparation for exporting to LaTeX. Specifically, this script prepares or formats the following tables:
    - Table 7: Formats the Anderson sharpened q-values outputs as part of the table outputs.
    - Table A.2: Prepares the summary of observations for each outcome
    - Table A.7: Presents the number of non-missing observations that are included in each variable that make up the summary weighted indexes
    - Tables A.24 - A.25: Formats the balance tables by attrition status and endline survey mode
    - Tables A.26 - A.27: Formats the outputs from the Lee Bounds analysis for LaTeX.
    - Tables A.28 - A.29: Formats the outputs from the Inverse Probability Weighted Estimation analyses for LaTeX.
- ***appendix_table4.tex***: produces Table A.4.

D. INSTRUCTIONS

1. Save all files (data sets, do files, R script) in the same folder.

2. Install the following packages in STATA using the **`ssc install`** command:
   - *estout*, version 3.30
   - *boottest*, version 3.2.4
   - *mhtexp*, version 14 (https://ideas.repec.org/p/feb/artefa/00402.html)
   - *rwolf2*
   - *mat2txt*
   - *pdslasso*, version 1.3
   - *rlasso*, version st0594
   - *ivreg2*, version 4.1.11
   - *leebounds*, version st0364
   - *stddiff*

   NOTE: In addition, the ado file *_gweightave2.ado* is provided to calculate the weighted index variables.

3. To run the do files, open the "*a _master.do*" file in Stata, change the "path" file path to the directory where the do files and the data are saved (line 17 in the do-file), and then execute the master do-file in Stata by clicking Run. This do file will also create a "tables" folder, if one does not exist already. The outputs of each file will be stored in the "tables" folder

4. To run the R script, open the "*d _additional_tables.R*" file in R or RStudio, change the "path" file path to the directory where the R script and the data are saved (line 24 in the script), and then execute the script in R by selecting the entire script and clicking Run. The outputs of each file will be stored in the "tables" folder. **Note: The R script needs to be run after running the master Stata do-file, which runs the two other do-files to produce the main tables and appendix tables.**

TOTAL EXPECTED RUNTIME: 3 minutes

QUESTIONS?
Please direct any questions regarding this replication package to the corresponding author.

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