# Reproducible Research Repository

## Therapy, Mental Health, and Human Capital Accumulation among Adolescents in Uganda

*Second Submission: RR_UGA_2024_166$_v$2*
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This review verifies the reproducibility of the exhibits included in the paper *"Therapy, Mental Health, and Human Capital Accumulation among Adolescents in Uganda"*.

**Contents in this review**:

1. Main findings

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### *Main findings*

- The code was successfully executed on a new computer after:

  1. Installing the required packages

  2. Setting variable abbreviation on

- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results after setting `sortseed`.

- The code takes approximately 10 minutes to run.

- We conducted our reproducibility analysis based on the papershared by the authors by email.

- Every exhibit reproduces.

- **Reproducibility Summary**:

  - **Data**: All data sources are publicly available and included in the reproducibility package.
  - **Code**: All code files (from cleaning to analysis) are included in the reproducibility package.
  - **Outputs**: All outputs are generated by code included in the reproducibility package.
  - **Reproducibility verification**: Reviewers had access to the same materials in the public reproducibility package.
  - **Dependencies environment**: The reviewers created a new environment for dependencies using the latest versions available for each dependency at the moment of the review.

*List of exhibits and reproducibility status*

**Results in the Main Section of the Paper**

- **Figure 1** Does not apply.

- **Figure 2** Reproduced. The exhibit was compared against code output attendance_pdf.png.

- **Figure 3** Reproduced. The exhibit was compared against code outputs: cdf_phq8_iptg_r1.png, cdf_ghq12_iptg_r1.png, cdf_phq8_r2.png, cdf_ghq12_r2.png, and cdf_phq8_r3.png.

- **Table 1** Does not apply.

- **Table 2** Does not apply.

- **Table 3** Reproduced. The exhibit was compared against the code output in balance.tex.

- **Table 4** Reproduced. The exhibit was compared against code output attrition.tex.

- **Table 5** Reproduced.The exhibit was compared against the code output in compliance.tex.

- **Table 6** Reproduced.The exhibit was compared against the code output in results-mh-both1.tex, results-mh-both2.tex, and results-mh-both3.tex.

- **Table 7** Reproduced.The exhibit was compared against the code output in results-mh-both2-cash.tex and results-mh-both3-cash.tex.

- **Table 8** Reproduced.The exhibit was compared against the code output in results-hc-sec-ther-r1only.tex.

- **Table 9** Reproduced.The exhibit was compared against the code output in results-hc-both2.tex and results-hc-both3.tex.

- **Table 10** Reproduced.The exhibit was compared against the code output in results-hc-both2-cash.tex and results-hc-both3-cash.tex

- **Table 11** Reproduced.The exhibit was compared against the code output in results-covid2.tex and results-covid3.tex

**Results in the Annex**

- **Table A1** Reproduced. The exhibit was compared against code output attrition_blcovars.tex.

- **Table A2** Reproduced. The exhibit was compared against code output attendance_mean_outcomes1.tex.

- **Table A3** Reproduced. The exhibit was compared against code output results-mh-both1-adj.tex, results-mh-both2-adj.tex, and results-mh-both3-adj.tex.

- **Table A4** Reproduced. The exhibit was compared against code output results-mh-late1.tex, results-mh-late2.tex, and results-mh-late3.tex.

- **Table A5** Reproduced. The exhibit was compared against code output results-mh-mdd1.tex, results-mh-mdd2.tex, and results-mh-mdd3.tex.

- **Table A6** Reproduced. The exhibit was compared against code output results-mh-both2-cash-adj.tex and results-mh-both3-cash-adj.tex.

- **Table A7** Reproduced. The exhibit was compared against code output results-hc-sec-ther-r1only_adj.tex.

- **Table A8** Reproduced. The exhibit was compared against code output results-hc-both2-adj.tex and results-hc-both3-adj.tex.

- **Table A9** Reproduced. The exhibit was compared against code output results-hc-both2-cash-adj.tex and results-hc-both3-cash-adj.tex.

- **Table A10** Reproduced. The exhibit was compared against code output results-covid-thercontrol2.tex and results-covid-thercontrol3.tex.

- **Table A11** Reproduced. The exhibit was compared against code output bounds-mh-cash-2.tex and bounds-mh-cash-3.tex.

- **Table A12** Reproduced. The exhibit was compared against code output bounds-hc-cash-2.tex and bounds-hc-cash-3.tex.

## *Reproduction Environment*

- Paper exhibits were reproduced in a computer with the following specifications:

  - OS: Windows 10 Enterprise

  - Processor: Intel(R) Xeon(R) Gold 6226R CPU @ 2.90GHz 2.90 GHz (2 processors)

  - Memory available: 32 GB

  - Software version: Stata version 18 MP