



## *“Costs, cost-sharing, and cost drivers of a home visiting program: The case of PADIN in Brazil”*

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This review verifies the reproducibility of the exhibits included in the paper *“Costs, cost-sharing, and cost drivers of a home visiting program: The case of PADIN in Brazil”*.

### **Contents in this review:**

1. Main findings
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### *Main findings*

- The code was successfully executed on a new computer after:
  1. Opening the R project and running the `o_Master_Script.R`.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 5 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors on May 2nd.
- Every exhibit has been reproduced accurately.
- **Note:** Figure A.5 is created using a dataset that is not included in the final package, as it would allow the identification of municipalities for the rest of the data in the study. All other data is included in the public package.
- **Reproducibility Summary:**
  - **Data:** All data sources are publicly available and included in the reproducibility package, with one exception (see Figure A.5).
  - **Code:** All code files (from cleaning to analysis) are included in the 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, with one exception (see Figure A.5). The reviewers did not verify if publicly available data matches the data in the 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** Reproduced.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Table 1** Does not show analysis results.
- **Table 2** Does not show analysis results.
- **Table 3** Reproduced.
- **Table 4** Reproduced.

#### **Results in the Annex**

- **Figure A.1** Reproduced.
- **Figure A.2** Reproduced.
- **Figure A.3** Reproduced.
- **Figure A.4** Reproduced.
- **Figure A.5** Reproduced. The replicators had access to the data to verify this figure; however, due to confidentiality reasons, the data required to reproduce this figure is not included in the final package.
- **Figure A.6** Reproduced.
- **Table C.1** Does not show analysis results.

### *Reproduction Environment*

- Paper exhibits were reproduced in a computer with the following specifications:
  - OS: Windows 11 Enterprise
  - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
  - Memory available: 15.7 GB
  - Software version: R version 4.2