



COVID-19 Increased Existing Gender Mortality Gaps in High Income More than Middle Income Countries

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This review verifies the reproducibility of the exhibits included in the paper “COVID-19 Increased Existing Gender Mortality Gaps in High Income More than Middle Income Countries”.

Contents in this review:

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Main findings

- The code was successfully executed on a new computer after:
 1. Running the Quarto file.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 15 minutes to run.
- We conducted our reproducibility analysis based on the paper in the reproducibility package shared by the authors.
- Every exhibit has been reproduced accurately.
- **Reproducibility Summary:**
 - **Data:** All data sources are publicly available and included in the package.
 - **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 package.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Reproduces.

- **Figure 1** Reproduces.
- **Figure 2** Reproduces.
- **Table 2** Reproduces.
- **Table 3** Reproduces. Appears as table 2B in the code-generated output, but matches perfectly.
- **Figure 3** Reproduces.
- **Figure 4** Reproduces.

Results in the Annex

- **Table A.1** Reproduces. Appears as Table 3 in the code-generated output, but matches perfectly.
- **Figure A.1** Reproduces.
- **Figure A.2** Reproduces. Appears as Figure 5 in the code-generated output, but matches perfectly.

Reproduction Environment

- Paper exhibits were reproduced on 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 4.3