



Disability Data Hub Databank: April 2025 Portal

Third Submission: FR_WLD_2025_283

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This review verifies the reproducibility of the exhibits included in the paper "*Disability Data Hub Databank: April 2025 Portal* by Paola Ballon and Omar Omar Alburqueque".

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Main findings

- **Every exhibit has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Change the path in the main do file.
 2. Define the countries wanted in line 25 and run the code.
- This verification was based on comparing the dataset shared by the authors, which includes 61 countries. We successfully completed verification for all of them. To assess reproducibility, we rounded both the authors' and replicators' results to the third decimal place. If no differences were found, the results were considered reproducible.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results. This was only verified for six countries Afghanistan, Bangladesh, Bhutan, and Colombia, Gabon, and Palestine.
- The runtime of the code varies depending on the country or countries selected. Processing time ranges from 15 minutes to 15 hours per country, with those using Census data taking significantly longer. For detailed information on data sources, refer to the Excel file 'DDH_databank_microdata_access' included in the package.
- **Verification Process and Data Handling:**
 - The reproducibility package relies on 4 types of data: open, accessible (public but not included in the reproducibility package), limited-access (available to World Bank Staff), and restricted data.
 - No data is included in the public reproducibility package.
 - Reviewers used accessible/restricted data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package.

- **Reproducibility Summary:**

- **Data:** Some data is restricted and has not been included in the reproducibility package. For more details, please refer to the README file.
- **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 used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The reviewers did not verify if publicly available data matches the data provided by the authors.
- **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

- DDH_adjusted_consolidated **Reproduced.**
- DDH_unadjusted_consolidated **Reproduced.**

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, 2900 Mhz, 16 Core(s), 16 Logical Processor(s)
 - Memory available: 102 GB
 - Software version: Stata version 18 MP