

WB-UNHCR Refugee Welfare Report - Replicability Package

OVERVIEW

This replicability package contains Stata scripts to (1) harmonize multi-country survey data, and (2) generate summary statistics for the WB-UNHCR Refugee Welfare Report. The package focuses on refugee and host population with indicators related to their demographics, welfare, employment, and access to services. It processes survey data from 11 countries (Cameroon, Chad, Chile, Colombia, Costa Rica, Ethiopia, Jordan, Lebanon, Niger, Uganda, and West Bank and Gaza) and produces Excel outputs for visualization.

The scripts are designed for reproducibility, allowing users to regenerate harmonized datasets and figures from data inputs.

DATA AVAILABILITY

Some input data used in this study are not publicly available because they originate from confidential household surveys collected by National Statistical Offices (NSOs) and accessed through World Bank country poverty teams and UNHCR country teams under restricted-use agreements.

For transparency, the raw data inputs are described below. However, the **final harmonized dataset** used to produce all figures and tables in this report will be archived and made publicly available through the **World Bank Microdata Library**:

<https://microdata.worldbank.org>

Access to the original raw survey microdata generally requires formal approval from the data owners (NSOs) or submission of a restricted-access request through the World Bank Microdata Library.

DATA SOURCES

Overview

The analysis uses **14 household survey datasets** provided by:

- World Bank country poverty teams (microdata obtained from National Statistical Offices), and
- UNHCR country teams (microdata obtained from National Statistical Offices for refugee and forced-displacement populations).

All files are provided in **Stata (.dta)** format.

Below, we list the data sources by country, including the most likely official survey name and the standard access point when publicly available.

DATA SOURCES (Summary Table)

DATA SOURCES (Summary Table)

Country	Survey / Data source	Files (Stata .dta)	Public access	Link
Chad	National household surveys (2018, 2022)	household_TCD_2018.dta; individual_TCD_2018.dta; household_TCD_2022.dta; individual_TCD_2022.dta	Limited-access (obtained by country team)	Datalibweb – World Bank internal
Cameroon	National household survey	FDS_WR_BasicInf.dta; FDS_WR_Ind.dta; FDS_WR_Welfare_HH.dta	Limited-access (obtained by country team)	Datalibweb – World Bank internal
Chile	CASEN 2022 (Encuesta de Caracterización Socioeconómica Nacional)	Base de datos Casen 2022 STATA_18 marzo 2024.dta	Public	CASEN data portal
Colombia	GEIH 2022–2023 (Gran Encuesta Integrada de Hogares)	individual_data_2022.dta; household_data_2022.dta; individual_data_2023.dta; household_data_2023.dta	Public	DANE micro- data
Costa Rica	ENAH0 2023–2024 (Encuesta Nacional de Hogares)	2023 - households (with ppp21).dta; 2023 - individuals (with ppp21).dta; 2024 - households (with ppp21).dta; 2024 - individuals (with ppp21).dta	Public	INEC Costa Rica
Ethiopia	SES-RE (Socioeconomic Survey of Refugees and Host Communities)	ETH_SESRE_consumption_level.dta; ETH_SESRE_individual_level.dta; ETH_SESRE_household_level.dta	Restricted	Access via country team / UN- HCR
Jordan	Harmonized refugee / host household survey	harmonize_household.dta; harmonize_individual.dta	Restricted	Access via country team / UN- HCR
Lebanon	Refugee household survey (VASyR or similar)	LBN_refugee_ind.dta; LBN_refugee_hhold.dta	Restricted	Access via country team / UN- HCR
Niger	National household survey 2018	household_NER_2018.dta; individual_NER_2018.dta	Limited-access (obtained by country team)	Datalibweb – World Bank internal

Country	Survey / Data source	Files (Stata .dta)	Public access	Link
Uganda	National household survey / refugee modules	UGA_hh.dta; UGA_ind.dta	Restricted	Access via country team / UN-HCR Datalibweb
West Bank and Gaza	Household survey 2023	PSE 2023 household variables.dta; PSE 2023 individual variables.dta	Limited-access (obtained by country team)	– World Bank internal

Statement about Rights

- I certify that the authors of the manuscript have legitimate access to and permission to use the data used in this manuscript.

INSTRUCTIONS FOR REPLICATORS.

1. Setup:

- Install Stata (version 17 or later recommended).
- Clone or download the package to a local directory.
- Update the working directory in `main_dofile.do` if paths differ (e.g., change `cd "C:\Users\wb249525\OneDrive\WBG\CurrentProject\16 Global\02. GSG4\05. Work_Program\FY24-26\Report_Refugees_UNHCR\"` to your path).
- Place raw data files in the appropriate `Raw Data/[Country]/` subfolders.

2. Run `main.do`

- This do file will then run:
 - `harmonized.do` that processes raw data, harmonizes variables, and saves the final multi-country harmonized dataset in `Modified Data/Harmonized/`. Note: if you don't have access to the raw data, you won't be able to run this portion of the code, which harmonizes the data files. This code outputs a dataset `harmonized.dta`. which can be placed in `Modified Data/Harmonized/` to run the next do file.
 - `graphs.do` that loads harmonized data, computes statistics, and exports Excel files to `Tables_Figures/`.

LIST OF EXHIBITS

- **Harmonized Dataset** (in `Modified Data/Harmonized/`): A final Stata dataset with standardized variables across 11 countries (14 surveys). This data set is ready for further cross-country analysis. Standardized variables include:
 - Survey information: survey year, population weight, household weight.
 - Location: country, urban/rural, in-camp/out-of-camp
 - Demographics: household identifier, individual identifier, refugee status, age, household size
 - Welfare: welfare measure, poverty line, welfare quintile, poverty status, multidimensional poverty measure

- Income: main income sources, whether household received social assistance, total income, income from wage, income from self employment, income from social assistance, income from private transfer/remittances, income from other sources.
- Access to services: school enrolment, access to electricity, improved drinking water, and improved sanitation.
- Employment: labor force participation status, sector of employment
- **Excel Figures** (in `Tables_Figures/All_figures.xlsx`): Sheets containing summary statistics for each figure, so the graphs can be produced in Excel.
 - Fig 1a: Household sizes by refugee status.
 - Fig 1b: Share of children by refugee status.
 - Fig 2: Poverty rates by refugee status.
 - Fig 3: Child poverty rates by refugee status
 - Fig 4a: Refugee poverty rates by rural/urban
 - Fig 4b: Refugee poverty rates by in-camp/out-of-camp
 - Fig 5: Refugee welfare in the West Bank and Gaza
 - Fig 6: Multidimensional poverty rates by refugee status
 - Fig 7a: School enrollment by refugee status
 - Fig 7b: Access to improved drinkign water by refugee status
 - Fig 8: Share of refugee households receiving social assistance by welfare quintile
 - Fig 9: Share of refugee households reporting main source of income
 - Fig 10: Share of assistance in refugee household income
 - Fig 11: Average poverty gap among refugees
 - Fig 12a: Average cost per refugee
 - Fig 12b: Total cost
 - Fig 13a: Labor force participation by refugee status
 - Fig 13b: Employment rates by refugee status
 - Fig 14a: Refugee employment rates by rural/urban
 - Fig 14b: Refugee employment rates by in-camp/out-of-camp
 - Fig 15: Sector of employment by refugee status

SOFTWARE REQUIREMENTS

- Stata (version 17 or more recommended).
- no ado file is needed.

CODE DESCRIPTION

- `harmonized.do`: Stata script to harmonize survey data from multiple countries. Processes household and individual-level data, creates standardized variables, and saves cleaned datasets.
- `graphs.do`: Stata script to generate summary statistics and export figures to Excel. Uses the harmonized data to produce tables for various indicators (e.g., poverty rates, household sizes).
- `README.txt`: This file, providing documentation for the package.

FOLDER STRUCTURE:

- Data:
 - `Raw Data/[Country]`: Directory for individual country survey files (e.g., household and individual datasets).
 - `Modified Data/Harmonized/`: Directory for a final harmonized Stata dataset (e.g., `harmonized.dta`).

- Code:
 - main_dofile.do
 - harmonized.do
 - graphs.do
- Outputs:
 - Tables_Figures/: Directory for output Excel files with figures (e.g., All_figures.xlsx).

AUTHORS

- **Author:** Nga Thi Viet Nguyen (nnguyen3@worldbank.org) and Ibrahima Sarr (sarri@unhcr.org)
- **Last Updated:** December 23, 2025.