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Replication files for “The Impact of the COVID-19 Pandemic on Women’s Care Work and Employment in the Middle East and North Africa” in *Demographic Review*

March 30, 2024

Replication requires STATA v16.1

**Do files**

All run out of “Data>Do files>Carework and employment>CMM-CE root v8 CK.do”

You will need to change the directory at the start of the master do files to wherever you have downloaded the replication folder DR COVID 2024

If any programs (e.g. estout, esttab) are not found, may need to search for programs

**Data**

Oxford COVID-19 Government Response Tracker, Blavatnik School of Government, University of Oxford: “Data>OxCGRT> OxCGRT\_latest.csv” provided, version we used (CC BY 4.0 license)

Official labor force statistics: Labour Market Stats for import.xlsx

School calendar data: School Closures COVID-19\_Tunis-Morocco-Egypt-Sudan for import.xlsx

Need to obtain COVID-19 MENA Monitor waves from [www.erfdataportal.com](http://www.erfdataportal.com). Available to researchers for non-commercial purposes following registration and data agreement.

Specific files:

COVID-19 Monitor All HH 2020-2021 panel v5.0.dta

COVID-19 Monitor All HH 2020-2021 rep xs v5.0.dta

Place the downloaded data in the “Data” sub-folder

Analyses start with complete data files (all observations, all variables) and are sub-set as/if needed in do files.

Codebooks and questionnaires (on www.erfdataportal.com) document all variables.

Notes: if slightly different versions available and this creates problems, please share your approvals from the data portal with the corresponding author and we can provide the exact versions used.

**Output**

Output will run out into the DR COVID 2024 folder, “Data>Graphs and Tables”, graph or table filenames as noted below.

**Tables**

***Table 1****:* Pre-pandemic patterns of care work and employment in MENA.

Constructed based on referenced studies.

***Table 2*:** Sample size (number of observations) by wave and country, various samples

Sample size.xls(runs out of “CMM-CE descriptives v16 CK.do”)

***Table 3*:** Logit models and logit fixed effects (FE) models for increase in care work outcome (odds ratios), married women in households with children aged 18 or younger

care model.csv (runs out of “CMM-CE models v14 CK.do”)

***Table 4*:** Logit models for employment (odds ratios), women who were employed in February 2020

emp and 0-18 model - prev emp.csv (runs out of “CMM-CE models v14 CK.do”)

***Table 5*:** Direct care work in the past week versus February 2020 (percentage), by country and marital status, women in households with children aged 18 or younger

child care v Feb 2020 emp.xls (runs out of “CMM-CE descriptives v16 CK.do”)

***Table 6*:** Percentage of women who were employed in February 2020 who had left

employment at the time of the survey, by country, marital status and household

composition

left v Feb 2020 emp.xls (runs out of “CMM-CE descriptives v16 CK.do”)

***Table 7*:** Employment type in February 2020, women who were employed in February

2020, by marital status and household composition

Emp types.xls (runs out of “CMM-CE descriptives v16 CK.do”)

***Table 8*:** Percentage of women who were employed in February 2020 who had left

employment at the time of the survey, by February 2020 employment status

left v Feb 2020 emp type.xls (runs out of “CMM-CE descriptives v16 CK.do”)

***Table 9:*** Logit models and logit fixed effects (FE) models for increase in care work outcome

(odds ratios), married women in households with children aged 18 or younger, pooled

models excluding Sudan and Egypt

care model sa.csv (runs out of “CMM-CE models v14 CK.do”)

***Table 10:*** Logit models for employment (odds ratios), women who were employed in Feb. 2020, model including industry and formality

emp and 0-18 model - prev emp sa.csv (runs out of “CMM-CE models v14 CK.do”)

**Figures**

***Figure 1.*** Conceptual framework for the impacts of the COVID-19 pandemic on women’s employment rates and potential intervening policy or response measures

Authors’ construction

***Figure 2.*** Employment rates (percentage), by country, sex, and quarter, 2019-2021

Official lm stats.png (runs out of “CMM-CE descriptives v16 CK.do”)

***Figure 3***. Direct care work in the past week versus February 2020 (percentage), by country and marital status, women in households with children aged 18 or younger

child care v Feb 2020 emp.png (runs out of “CMM-CE descriptives v16 CK.do”)

***Figure 4***. Operating status of schools by country and date

Calendar.png (runs out of “CMM-CE descriptives v16 CK.do”)

***Figure 5***. Percentage of women who had left employment at the time of the survey, women

who were employed in February 2020, by country, marital status and household

composition

left v Feb 2020 emp. png (runs out of “CMM-CE descriptives v16 CK.do”)

***Figure 6****.* Employment type in February 2020 (percentage), women who were employed in

February 2020, by marital status and household composition

Emp types.png (runs out of “CMM-CE descriptives v16 CK.do”)

***Figure 7****.* Percentage of women who were employed in February 2020 who had left employment at the time of the survey, by February 2020 employment status

left v Feb 2020 emp type.png (runs out of “CMM-CE descriptives v16 CK.do”)

*Figure 8.* Industry in February 2020 (percentage), women who were employed in February 2020, by marital status and household composition

Ind stat.png (runs out of “CMM-CE descriptives v16 CK.do”)