

POST-PLACEMENT PRESENTATION

Data Management and Cross-Country Analysis of Gender Inequality across LMIC

Professional Work-Based Placement

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Background Summary/context

- DHS program suspended
- Implication for researchers: New data requests and login suspended till further notice
- BDHS group, Global health Management Lead needs to make data available for researches working on Global health projects.

Project Aims	Objectives	Outcome Status
<p>A.</p> <p>To create a global repository for DHS data sets</p>	<p>Automated download of DHS datasets in SPSS and STATA formats using R for over 85 countries and 35 years</p>	<p>Achieved</p>
	<p>Database management:</p> <ul style="list-style-type: none"> - File organisation -Variable Mapping (IR) -Merging of IR datasets 	<ul style="list-style-type: none"> -Pilot merging achieved - merging suspended due to storage limitation -IPUMS DHS dataset used
<p>B.</p> <p>To explore frequency of Female Genital Mutilation, Intimate Partner Violence and Autonomy of Health care Decision Making in women of child-bearing age across Low-and-middle-income countries.</p>	<p>Overview of respondents by country and by year and country using IPUMS_DHS datasets. Important to check representativeness and guide interpretation.</p>	<p>Achieved</p>
	<p>Visualize FGM, IPV and AHCDM frequencies by country</p>	<p>Achieved</p>

Results Produced and Implication for BHDS Group

4,997 DHS (women, men, children, household, couples, wealth index etc), 85 countries, 40 years (1984-2024), Metadata



IPUMS_DHS Harmonized dataset of 3,767,008 Women of child-bearing age, 50 countries, 35 survey years .



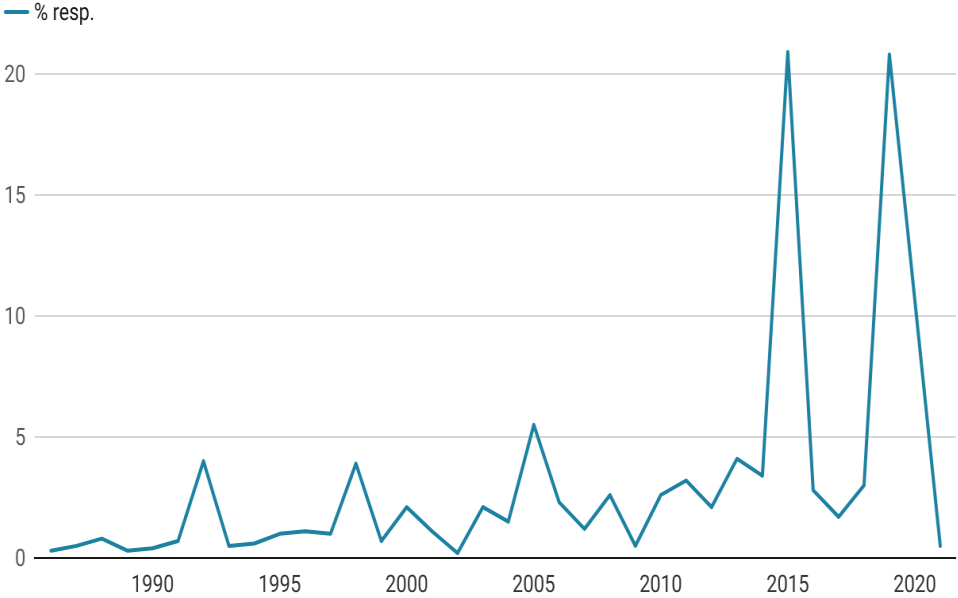
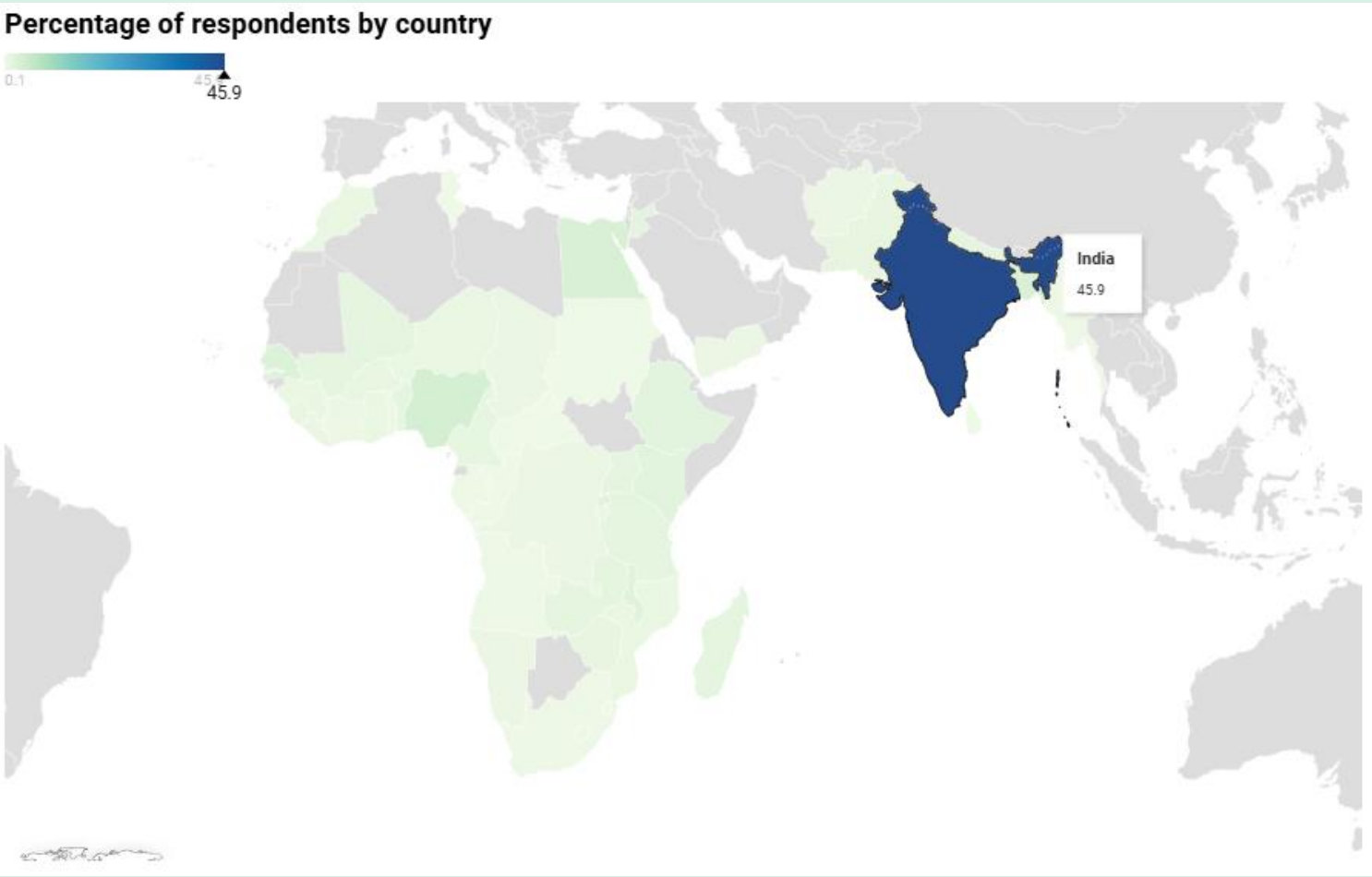
Analysis and Visualization

Dataset overview	IPV: Women ever married/with intimate partner slapped by months partner/spouse in the last 12	FGM: Women who have been circumcised.
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Implications

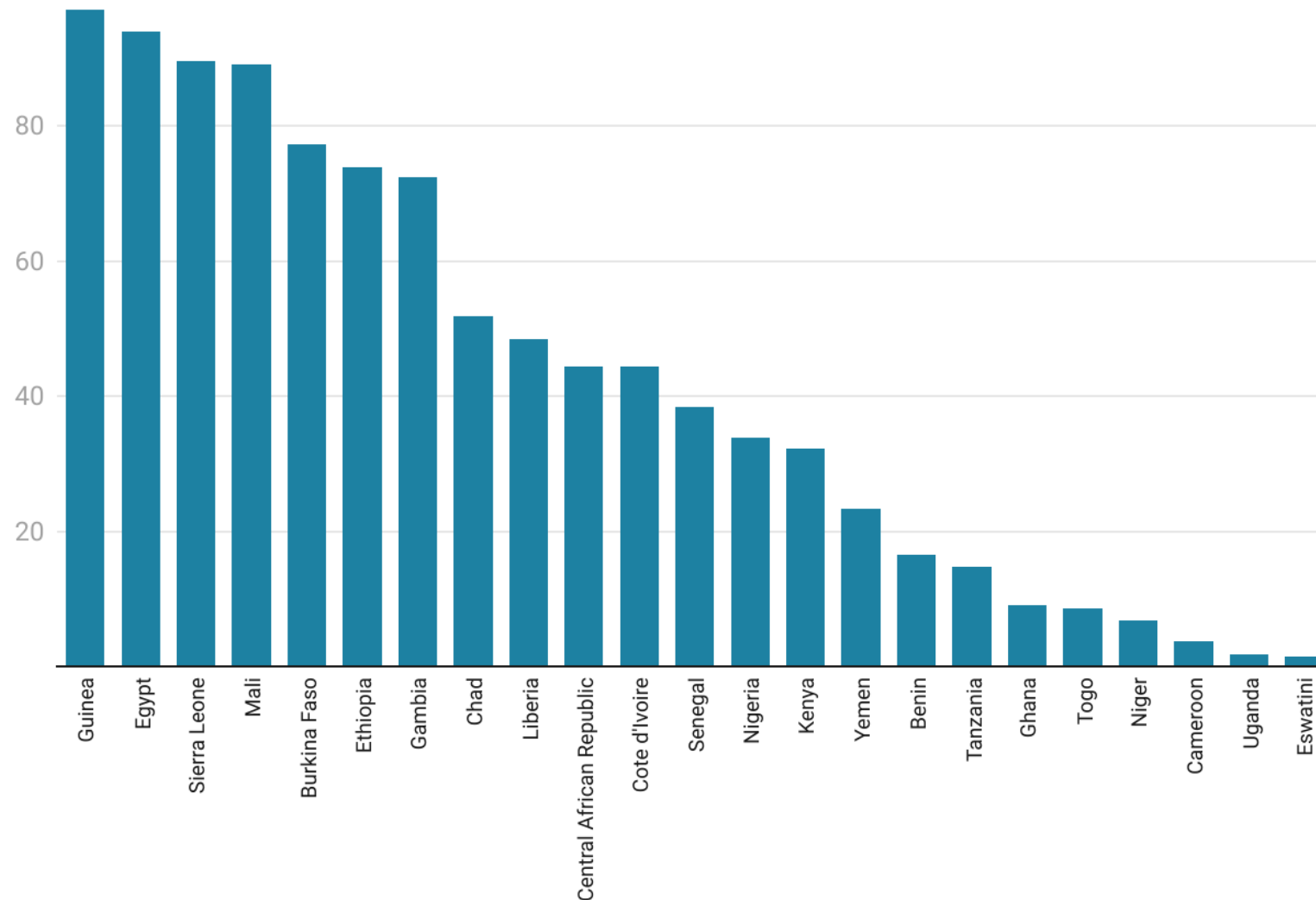
- Easy access to DHS global datasets
- Data preservation pending DHS program resumption
- Continuity of training

Overview of respondents_51 Countries, 35 years, 3.8M respondents

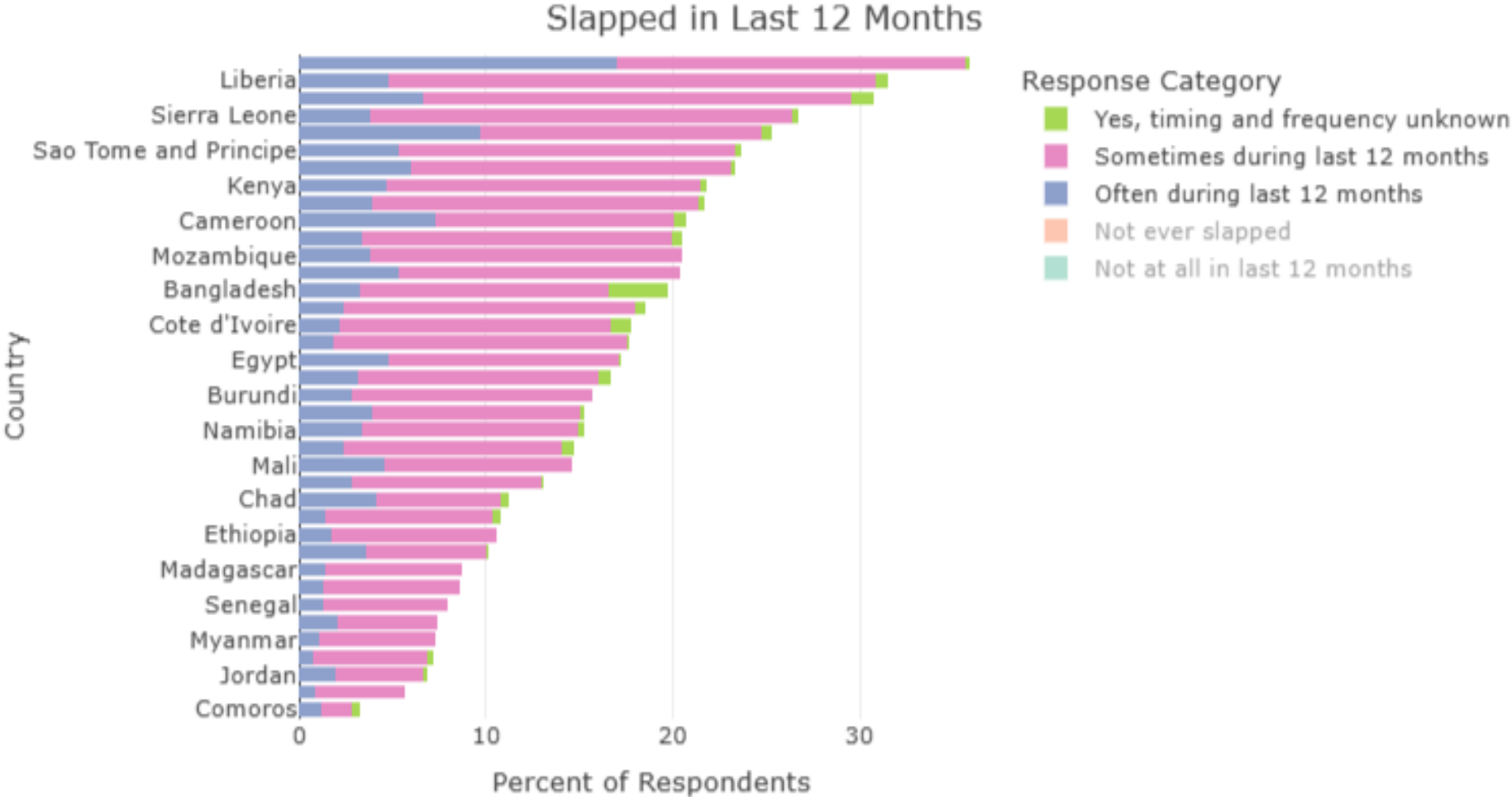


Created with Datawrapper

FGM: Percentage of Women by country who responded Yes compared to No, to the question Have you ever been circumcised



IPV: Survey Responses by Country to Have you Ever been Slapped by an intimate partner (last 12 months)





- ✓ What has gone well in relation to the placement.
- Healthy balance between promoting independence work, collaborative work, and the right amount of supervisory support to keep me on track
 - Access to resource materials
 - Regular progress review meetings with my supervisors and 3 bootcamps
 - Trainings

- ☁ What hasn't gone so well
- Storage challenge due to data volume
 - Personal device limitation



- Achievement highlight: Soft and Hard skills
- Improved confidence towards challenges
 - Problem solving
 - Ability to identify and deal with rotten tomatoes (disappointments)
 - R skills: using plotly and quarto for interactive visual presentation
 - GitHub



- Role Changes
- Dataset used: DHS to IPUMS-DHS
 - Reason: storage limitation
 - Only datasets affected