



Gender and Environment Statistics : The Tonga Gender and Environment Survey

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What is Gender and Environment Survey?



| Module number | Module name | Type of module | Respondent type |
|------------------|---|-------------------|--|
| Module 1 | Household roster | household | One randomly selected individual answers questions about the household as a whole. |
| Module 2 | Housing Characteristics: Location, building materials, fuel, water and sanitation | household | |
| Module 3 | Individual characteristics | individual | At least two individuals of different sexes per household. |
| Module 4 | Disaster exposure, preparedness, and consequences | individual | |
| Module 5 | Exposure to, and preparedness for, climate change related effects | individual | |
| Module 6 | Employment in the green economy | individual | |
| Module 7 | Agriculture and land use | individual | |
| Module 8 | Environment-related livelihoods | individual | |
| Module 9 | Asset ownership | individual | |
| Module 10 | Decision making and mobility | individual | |



Sampling Strategy

Nationally representative Sample: 3 stage (strata) sample methodology

Sample frame : Based on 2021 Census Data (18,847 private households)

Sample size: 2,541 households sampled

One adult male and female per household, randomly selected

Geographical coverage: Tongatapu urban, Tongatapu rural, , Vava'u, Ha'apai, 'Eua and the Niua





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Gender and Environment Survey, Tonga

Data quality monitoring report

Anthony Burgard and Sanghyun Jeon

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Number of interviews by status

As of 2023-01-09, the total number of interviews is: **2541 (100% of sample)**
of which, **0** are completed
of which, **0** are rejected by supervisor
of which, **0** are approved by supervisor
of which, **0** are rejected by headquarters
of which, **2541** are approved by headquarters

Interview rates by field teams and census unit

The following section breaks down the the interview rate (% interviewed) for census units with at least one interview for each of the field teams. There are currently **6 active field teams, comprising of 6 supervisors and 30 enumerators.**

The interview rate is calculated as a share of the number of interviews (including duplicates) divided by the sample size for that census unit. In all, the current **interview rate is 100 percent** against the target sample of 2,541 expected households.

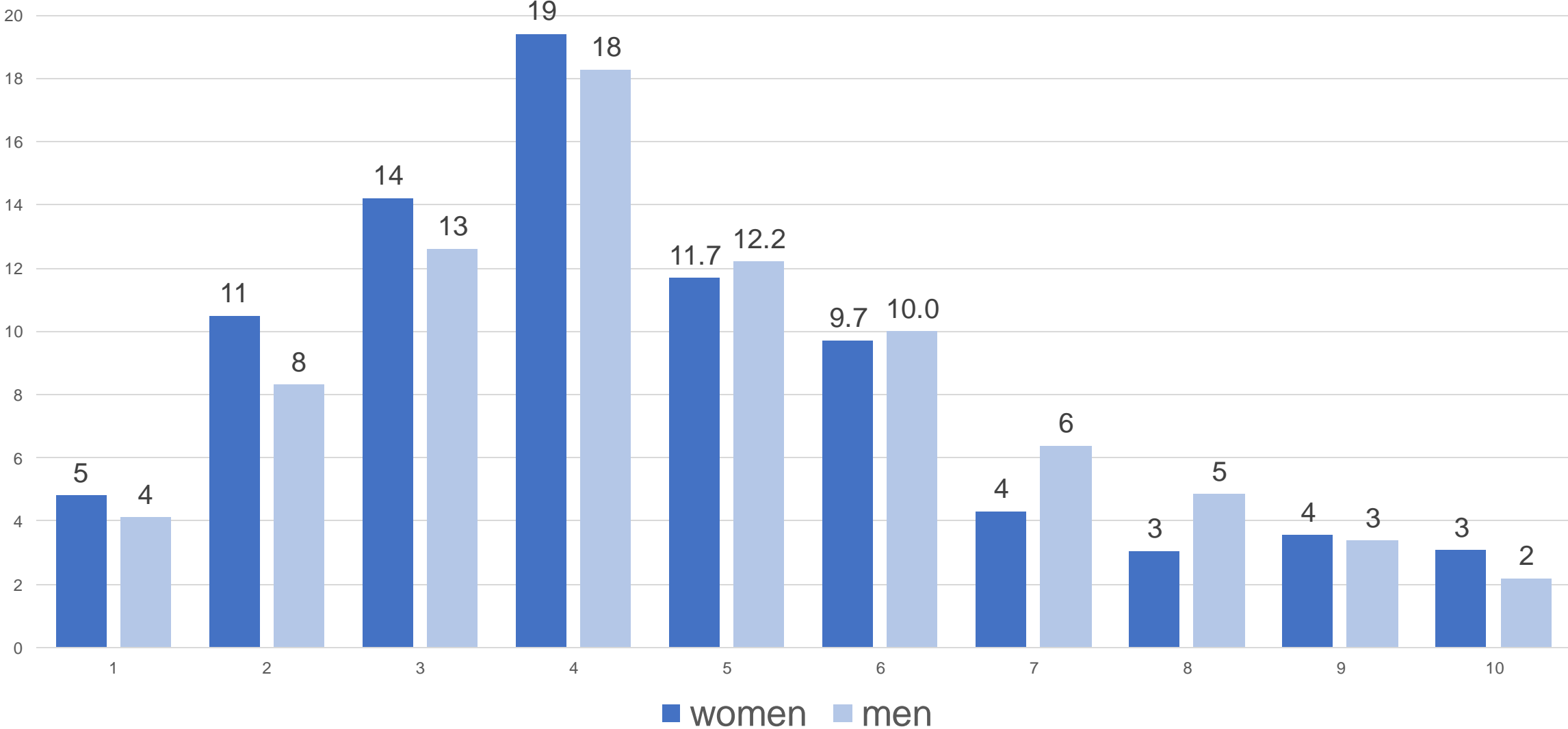
Table 1: Count of census units and interviews by Team

| | Team 1 | Team 2 | Team 3 | Team 4 | Team 5 | Team 6 |
|----------------|------------|------------|------------|------------|------------|------------|
| CU started | 25 | 28 | 24 | 59 | 44 | 49 |
| CU assigned | 25 | 28 | 24 | 59 | 44 | 49 |
| HH interviewed | 300 (100%) | 336 (100%) | 286 (100%) | 540 (100%) | 528 (100%) | 551 (100%) |
| HH assigned | 300 | 336 | 286 | 540 | 528 | 551 |

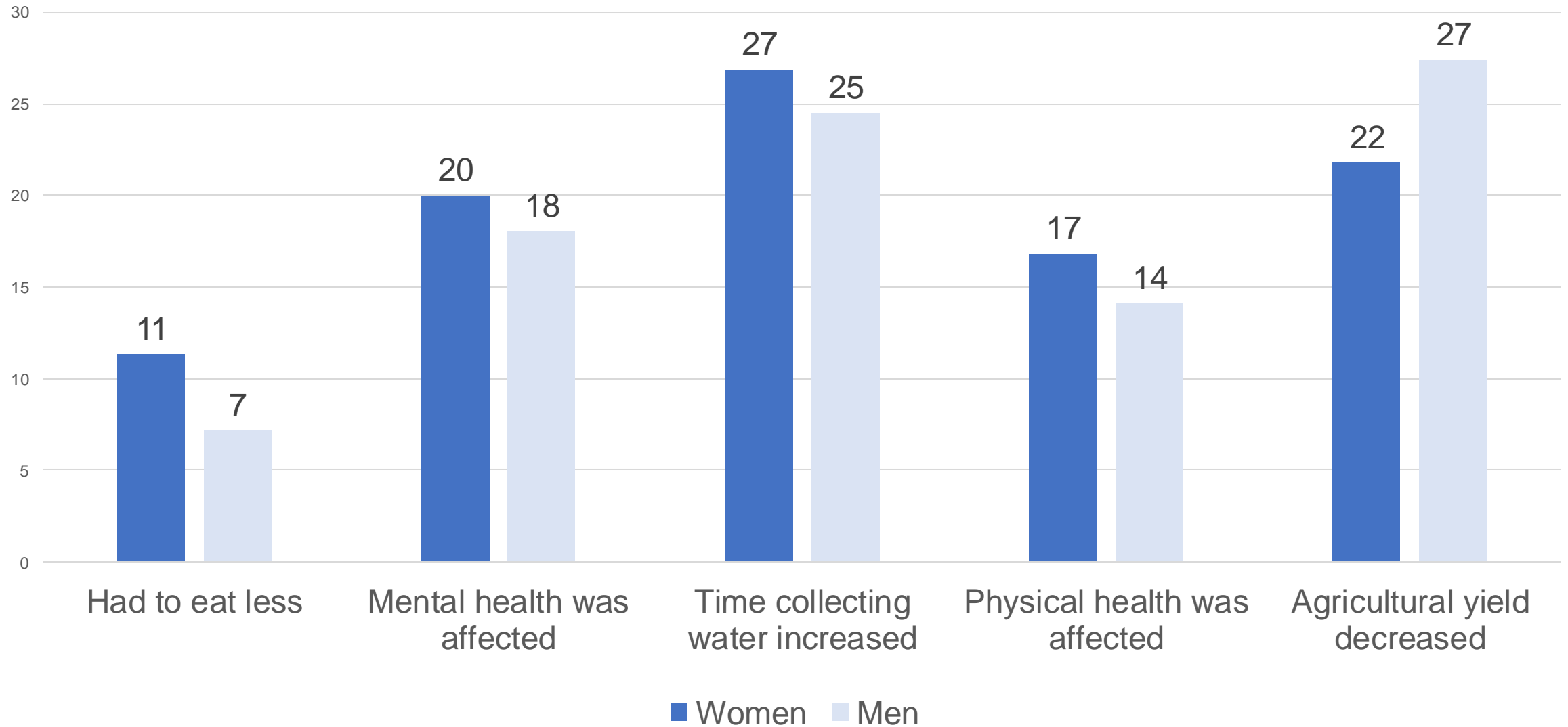
Why is the Gender and Environment Survey a priority for Tonga?



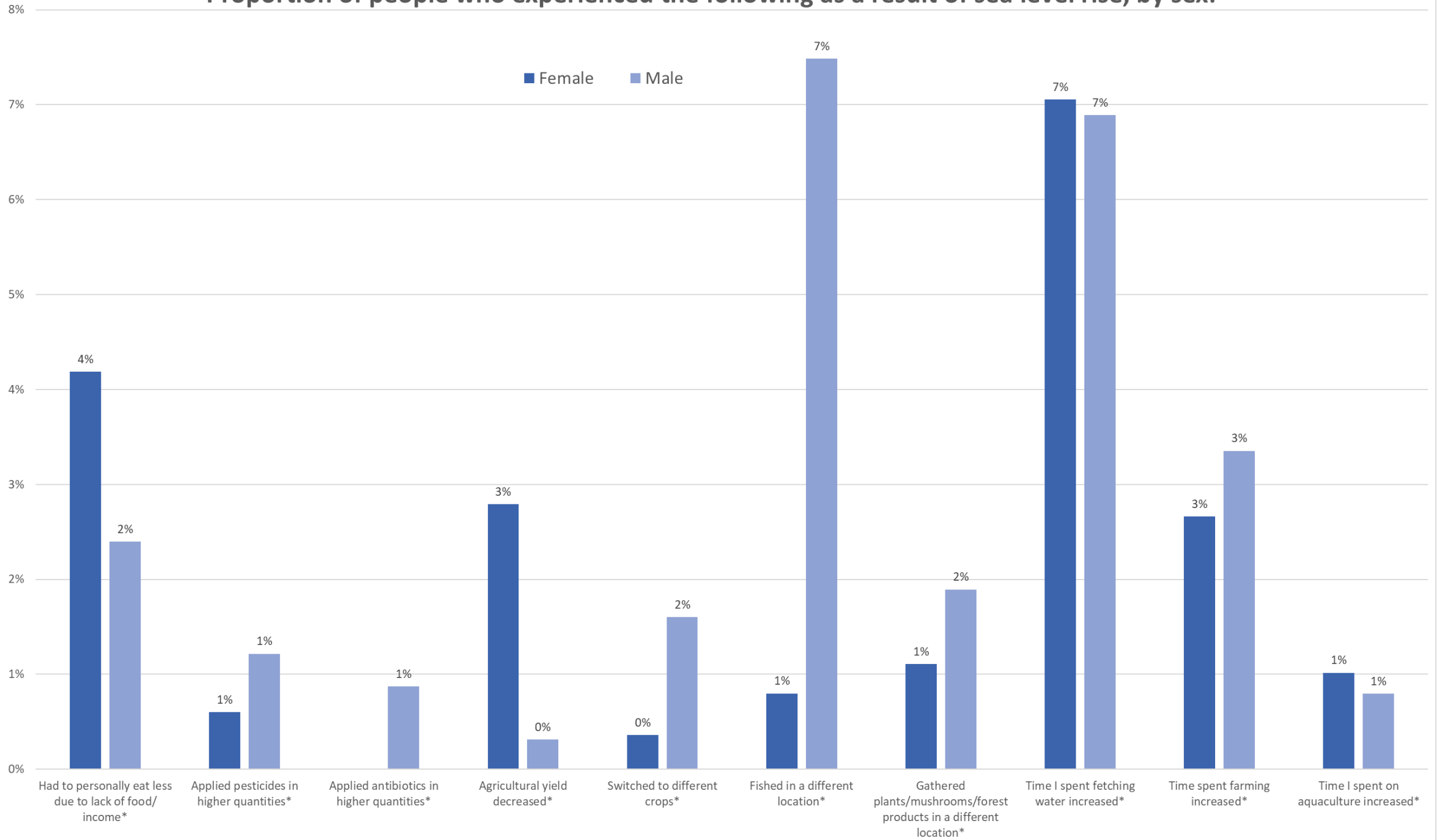
Proportion of people who experienced multiple climate change related hazards, by sex (percentage)



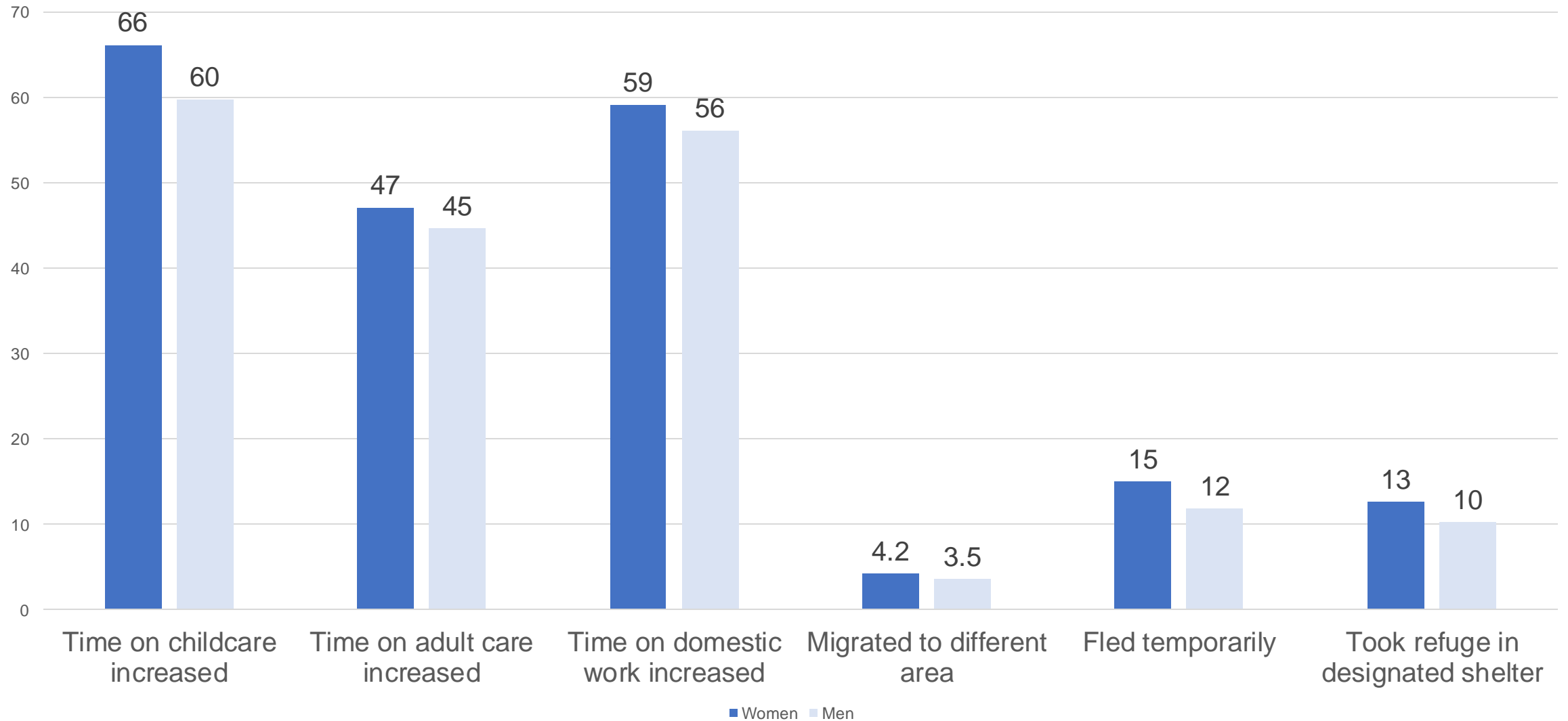
Proportion of people who experienced different consequences from climate change related hazards, by sex (percentage)



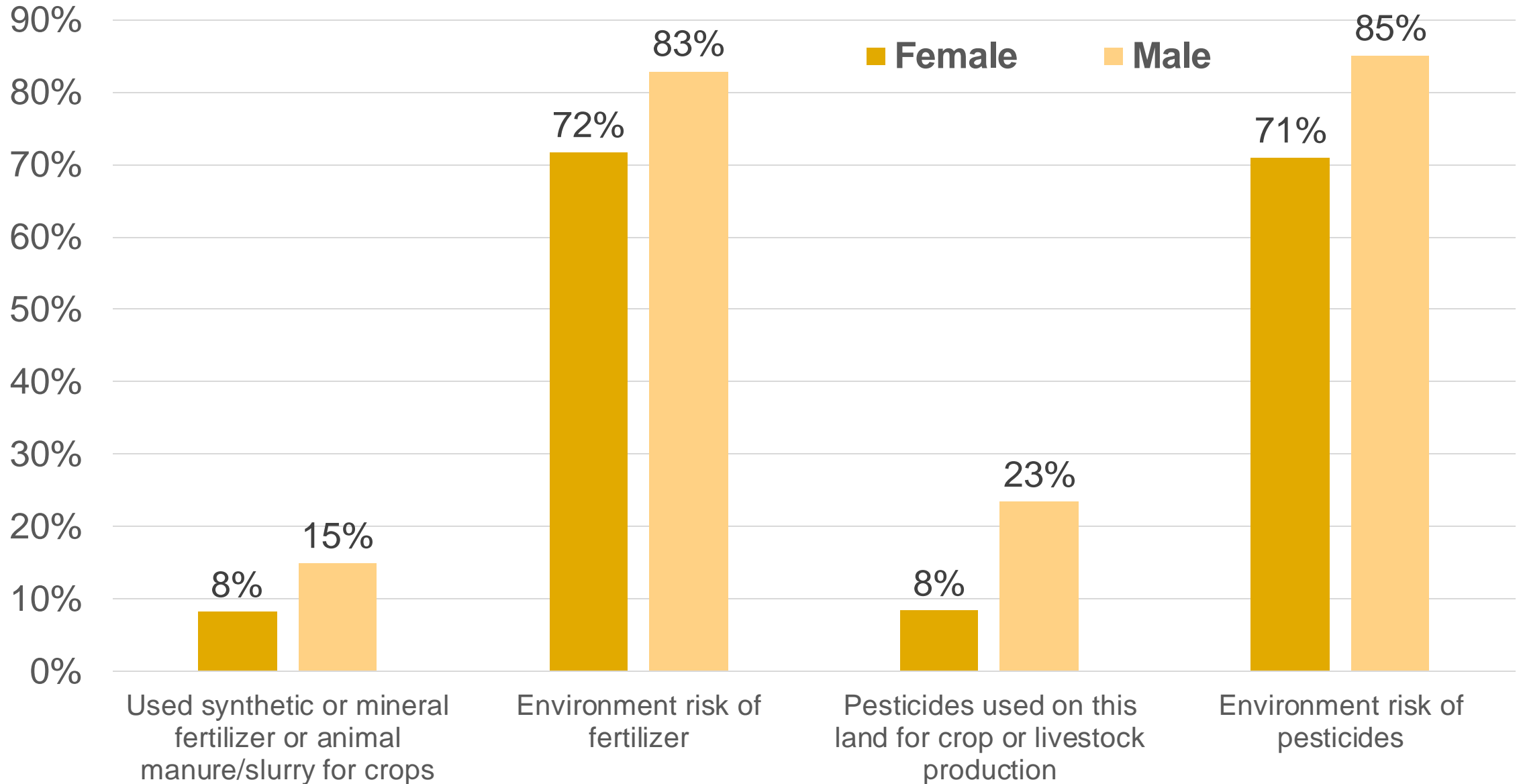
Proportion of people who experienced the following as a result of sea level rise, by sex:



Proportion of people who experienced different effects as a result of disasters, by sex (percentage)

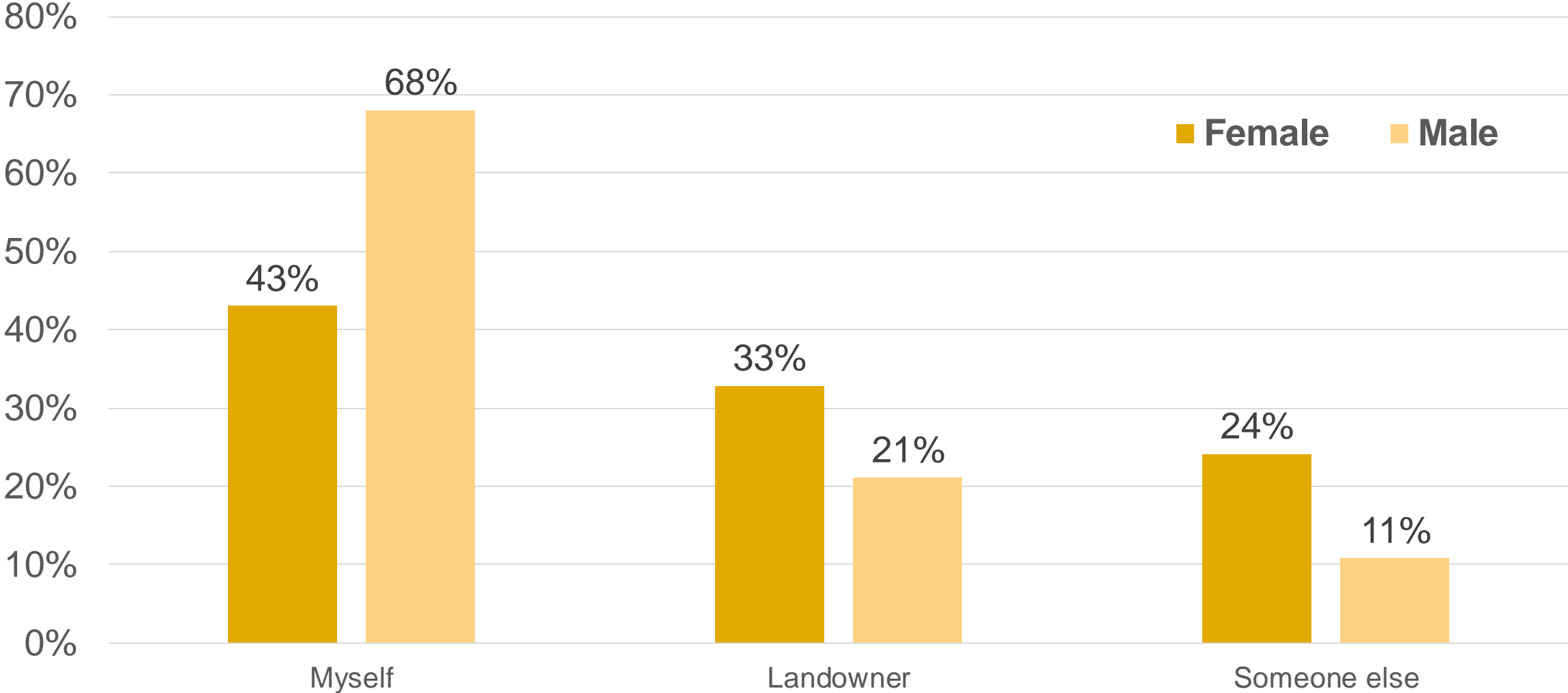


Use of fertilizer and pesticides, by sex



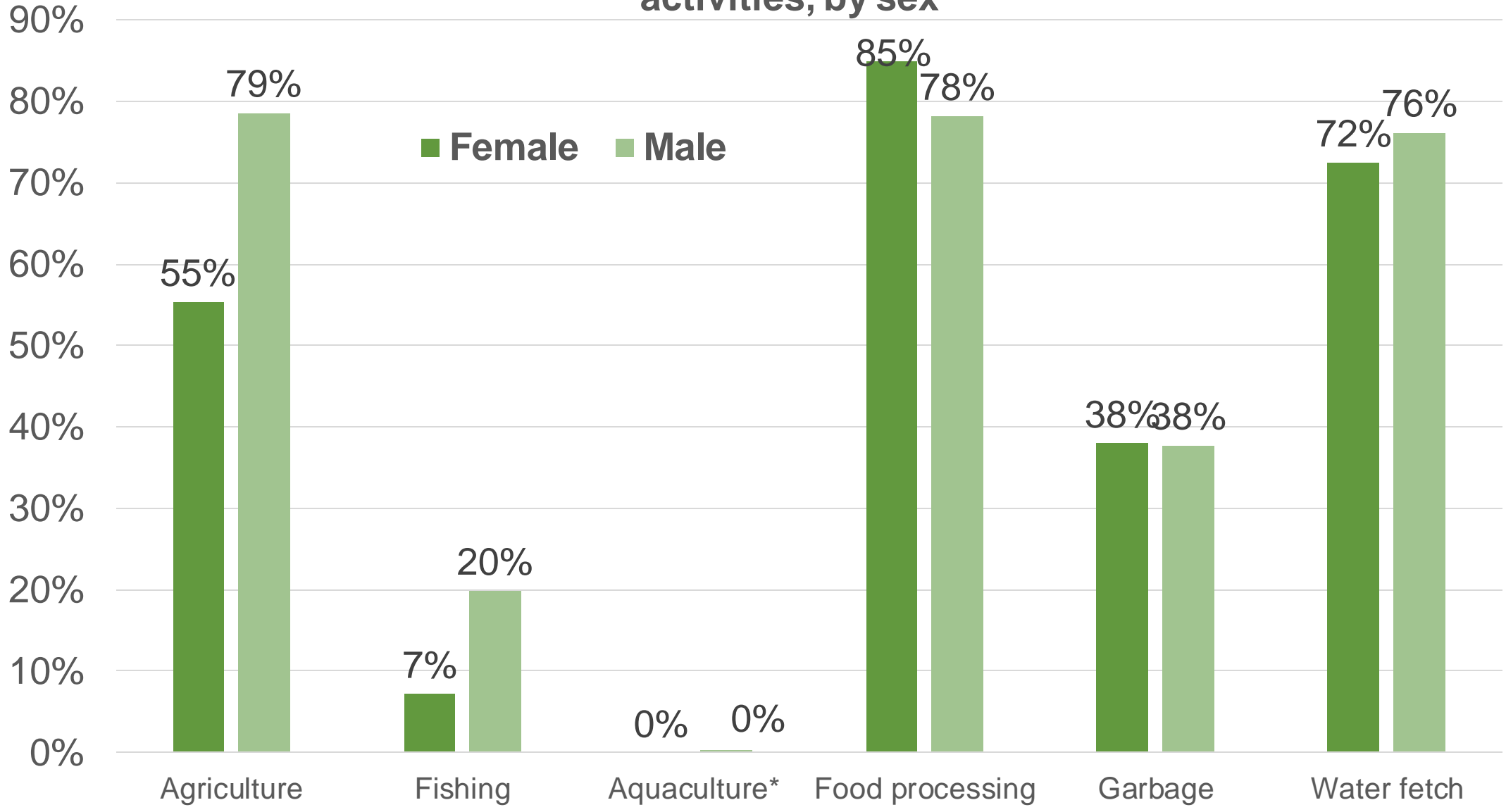
"Note: Findings presented here are preliminary, further analysis to come"

Who typically makes decisions about land-related activities such as the use of pesticides, fertilizers and related environmental-risk management



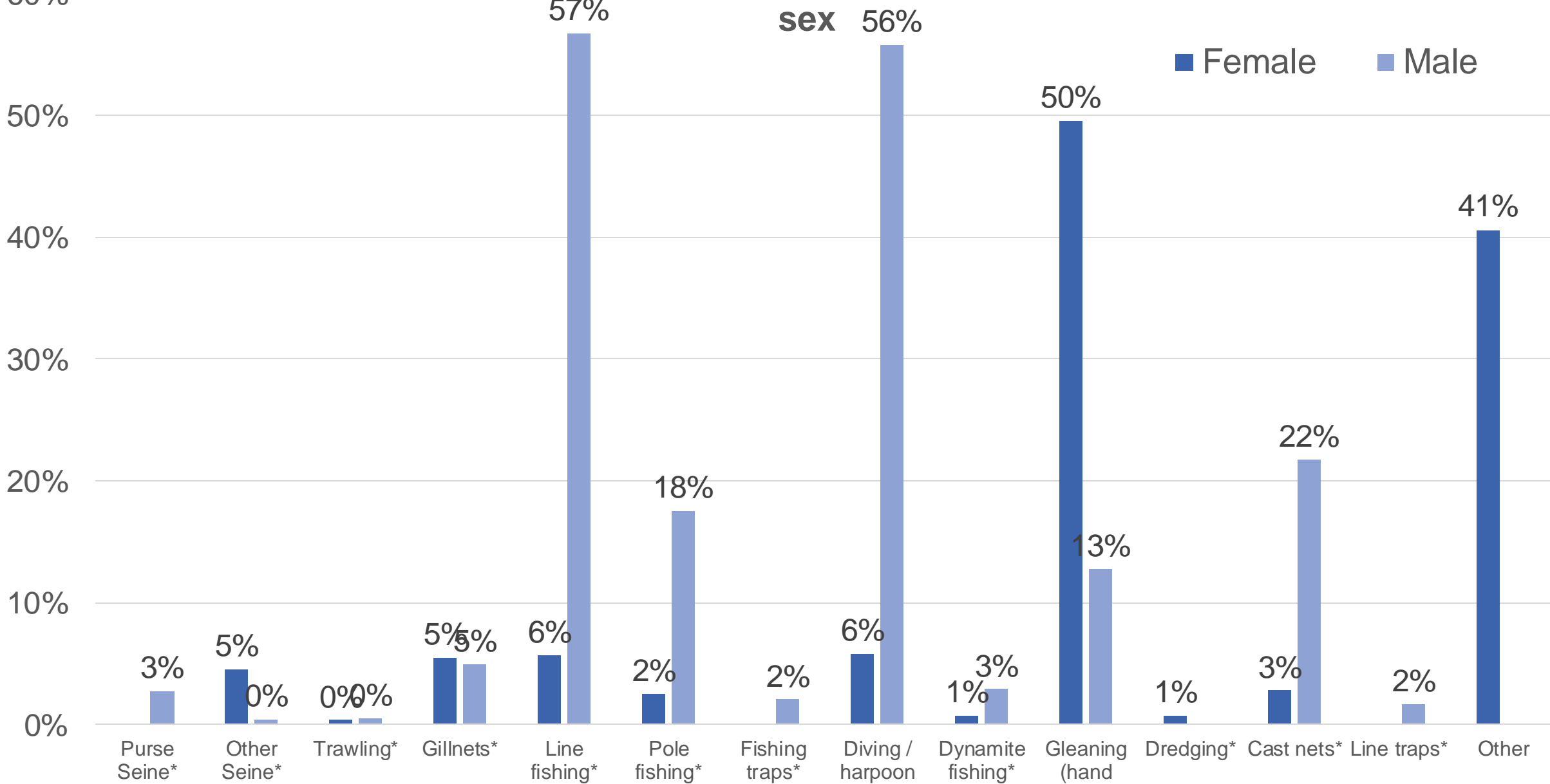
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Proportion of people engaged in other environment-related activities, by sex



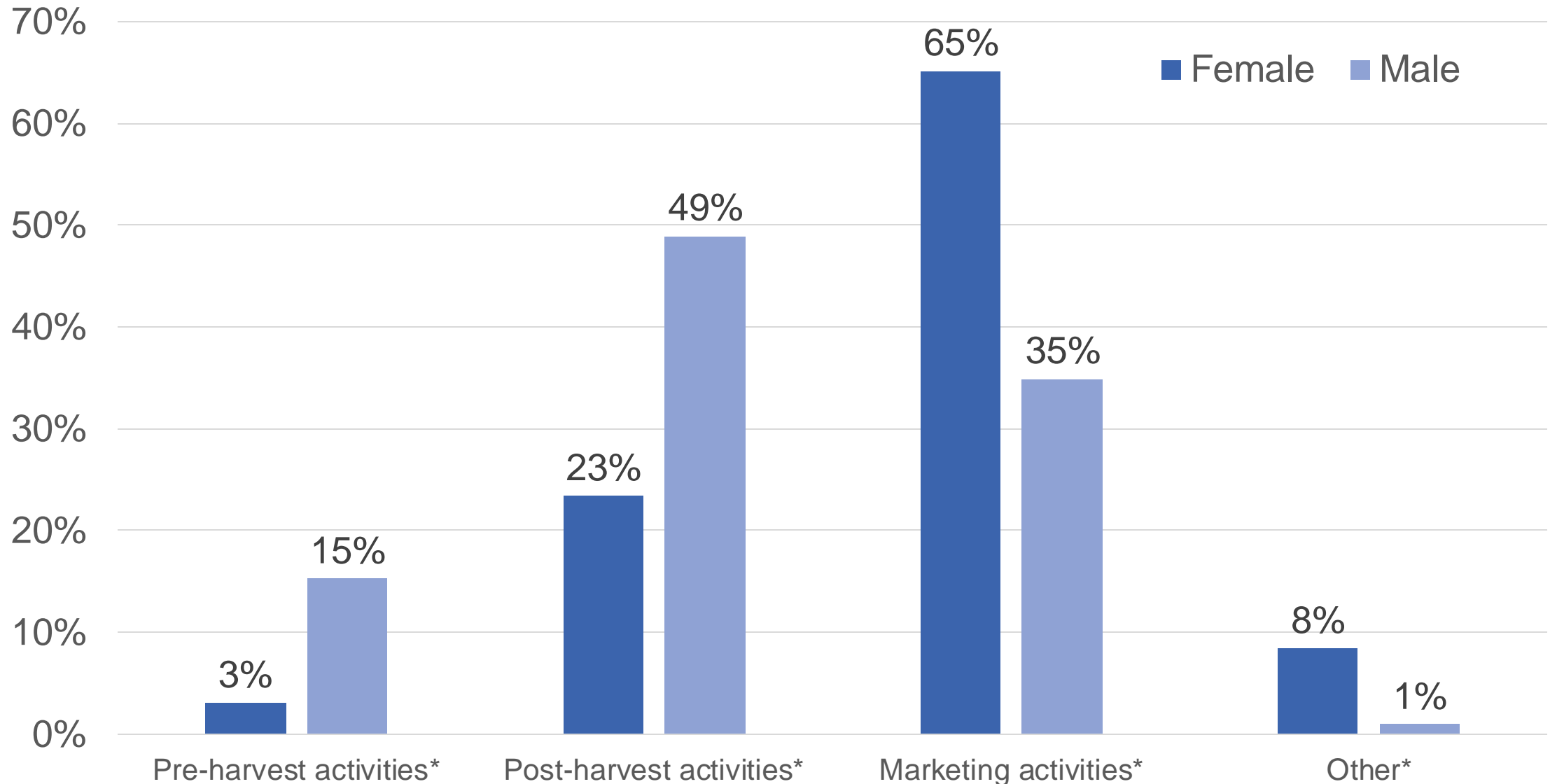
"Note: Findings presented here are preliminary, further analysis to come"

Proportion of people who use who engage in different fishing practices, by sex



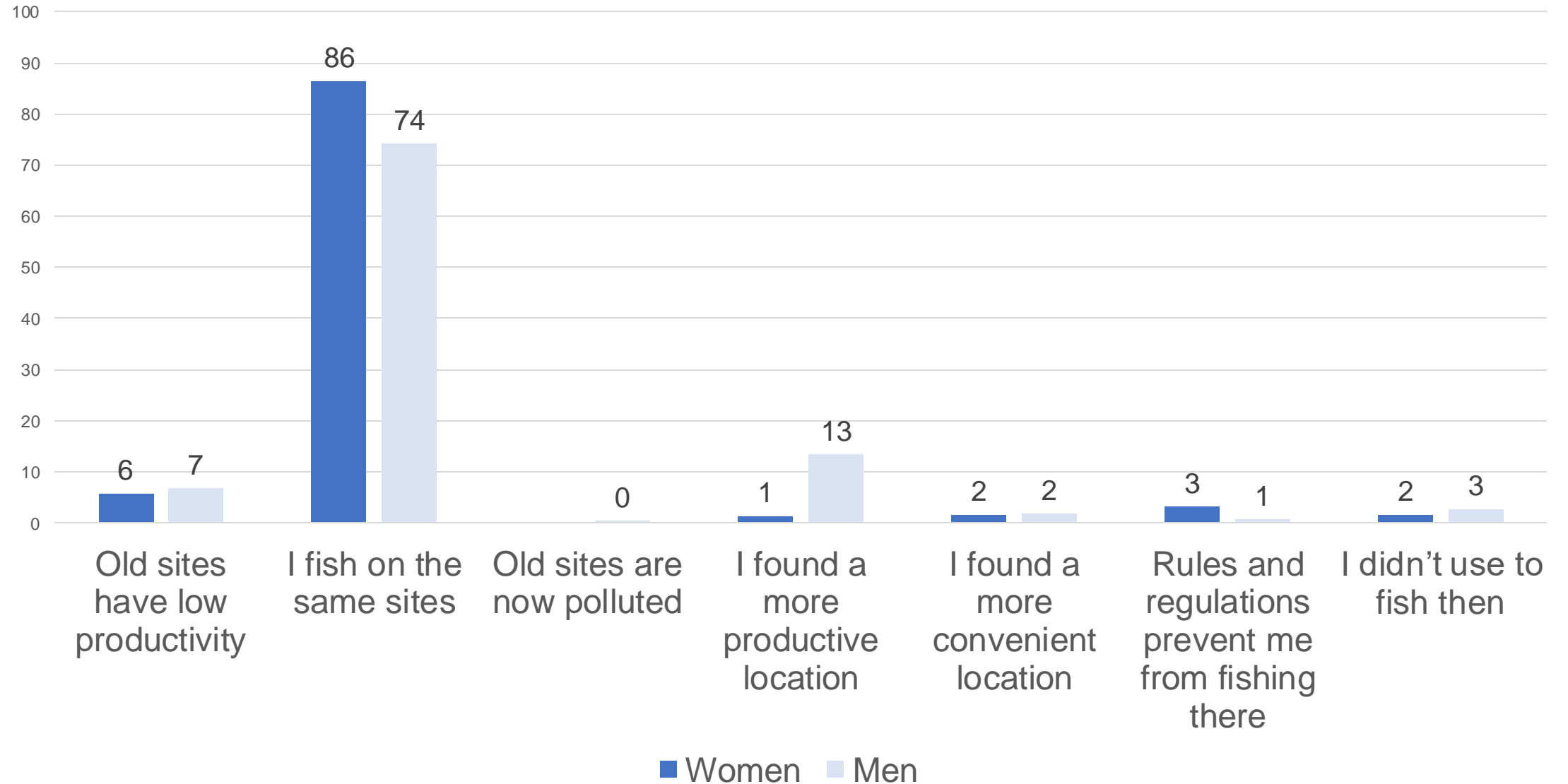
"Note: Findings presented here are preliminary, further analysis to come"

Proportion of people who engage in pre harvest, post harvest or marketing activities in fishing, by sex

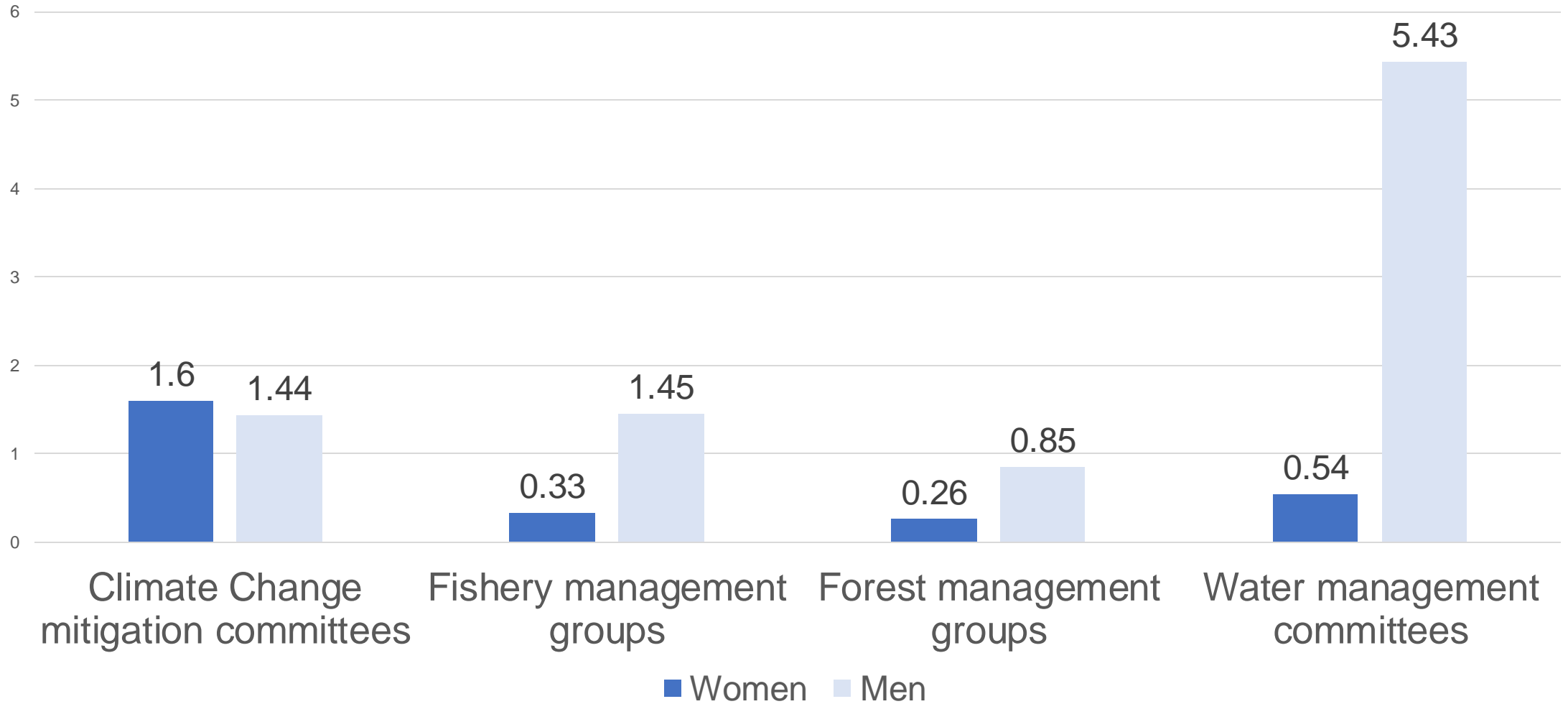


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Proportion of people and their changes in marine harvesting locations as a result of environmental issues, by sex (percentage)



Proportion of people who participate in environmental decision making, by sex (percentage)



Thank you!!!