## Subject: Comparison of surveys- Mozambique Posted by isrubio on Tue, 02 Dec 2025 13:13:00 GMT

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Hi,

Could you please help me? I am comparing different topics on violence against women using the R-Codes from Github DHS-Indicators and I am comparing values for the Mozambique Surveys 2011, 2015 and 2022.

Is it correct to compare these values and interpret the results as trends? For some of the results I am surprise about the changes over time.

Did the questions in the surveys remain comparable?

Thank you very much in advance for your help.

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Kind reagards,
Inge
Here is an example:
# //Ever
dv <- dv %>%
 mutate(dv_sex =
      case when(
       d105h>0 | d105i>0 | d105k>0 ~ 1, # violence by current partner
       d130b>0 ~ 1, # violence by former partner
       d124==1 ~ 1, # violence by anyone other than partner
       d125==1 ~ 1, # forced to perform unwanted acts
       v044==1 \sim 0) %>%
 set_value_labels(dv_sex = c("Yes" = 1, "No"=0)) %>%
 set_variable_labels(dv_sex = "Ever experienced sexual violence")
# Keep only years with DV module AND women selected for DV (v044 == 1)
dat dv <- dv %>%
 filter(
  year %in% c(2011, 2015, 2022),
                  # selected for DV module
  v044 == 1.
  !is.na(d005)
                  # ensure weight exists
 ) %>%
 mutate( wt = d005 / 1e6, # scale DHS weights
  one = 1)
any(is.na(dat_dv$wt)) # should be FALSE
# Survey design on the DV dataset
dhs design<- svydesign(id = dat dv$v021,
```

```
strata = dat dv$v022,
                 weights = dat dv$wt, data = dat dv, nest = T)
options(survey.lonely.psu = "adjust")
# Restrict to: selected for DV module
dhs_design_mod <- subset(dhs_design, v044 == 1)
# 1. Denominator: total eligible women per year (weighted)
tot dv mod <- svyby(
 ~one.
 ~year,
 dhs design mod,
 svytotal,
 na.rm = TRUE) \% > \%
 rename(total_year = one, se_t = se)
tot_dv_mod
sex_ever_mod <- svyby(
 ~one,
 ~dv_sex + year,
 dhs_design_mod,
 svytotal,
 na.rm = TRUE
sex_ever_tab_mod <- sex_ever_mod %>%
 left_join(tot_dv_mod, by = "year") %>%
 mutate(
  Variable = "Ever experienced sexual violence",
  Category = ifelse(dv_sex == 1, "Yes", "No"),
  N = round(one),
  Year = year,
  Weighted percentage = round((one / total year) * 100, 2),
  lower_CI = round(((one - 1.96 * se) / total_year) * 100, 2),
  upper_Cl = round(((one + 1.96 * se) / total_year) * 100, 2)) %>%
 select(Year, Variable, Category, N, Weighted_percentage, lower_Cl, upper_Cl)
sex_ever_tab_modsex_ever_tab_mod
 Year
                    Variable Category
                                        N Weighted percentage lower Cl upper Cl
1 2011 Ever experienced sexual violence
                                           No 6274
                                                            91.80
                                                                    84.64 98.96
2 2011 Ever experienced sexual violence
                                          Yes 561
                                                            8.20
                                                                    7.04
                                                                           9.36
3 2015 Ever experienced sexual violence
                                           No 3236
                                                            93.75
                                                                    81.72 105.77
4 2015 Ever experienced sexual violence
                                          Yes 216
                                                            6.25
                                                                    4.96
                                                                           7.54
5 2022 Ever experienced sexual violence
                                           No 3564
                                                            74.04
                                                                    68.16 79.93
6 2022 Ever experienced sexual violence
                                          Yes 1249
                                                            25.96 23.03 28.89
>
```