Table 1

2024-04-30

#loading libraries  
library(gtsummary)  
library(tidyverse)

## ── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
## ✔ dplyr 1.1.3 ✔ readr 2.1.4  
## ✔ forcats 1.0.0 ✔ stringr 1.5.0  
## ✔ ggplot2 3.5.0 ✔ tibble 3.2.1  
## ✔ lubridate 1.9.3 ✔ tidyr 1.3.0  
## ✔ purrr 1.0.2   
## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()  
## ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

BRFSS <- read.csv("/Users/samanthagarciaperez/Desktop/EPI 514/R/cleanbrfss.csv")

theme\_gtsummary\_journal(journal = "jama")

## Setting theme `JAMA`

#Setting theme `JAMA`   
  
#Setting theme `Compact`  
theme\_gtsummary\_compact(font\_size = 10)

## Setting theme `Compact`

table1 <- BRFSS %>%  
 select( "CervScrnEver.f", "HlthDiscrim.f","RaceOthers.f", "income.f",   
 "employ.f", "insurance.f", "edu.f", "age.f", "GenHlth.f") %>%  
 tbl\_summary(by = "CervScrnEver.f",   
 missing = "ifany",   
 type = list(  
 HlthDiscrim.f ~"categorical",   
 RaceOthers.f ~ "categorical",  
 income.f ~ "categorical",  
 employ.f ~ "categorical",  
 insurance.f ~ "categorical",  
 edu.f ~ "categorical",  
 age.f ~ "categorical",   
 GenHlth.f ~ "categorical"),  
 statistic = all\_continuous() ~ "{mean} ({sd})",  
 digits = list(all\_continuous() ~ 1,  
 all\_categorical() ~ c(0, 1)),   
 label = list(  
 HlthDiscrim.f ~ "Perceived Discrimination",   
 RaceOthers.f ~ "Race and Ethnicity",  
 income.f ~ "Annual Household Income",  
 employ.f ~ "Employed",  
 insurance.f ~ "Health Coverage",  
 edu.f ~ "Education Status",  
 age.f~ "Age (years)",   
 GenHlth.f ~ "Health Status"  
 )) %>%   
 add\_overall() %>%  
 modify\_header(label = "\*\*Variable\*\*") %>%  
 modify\_spanning\_header(list(stat\_1 ~ "\*\*Cervical Cancer Screening\*\*",  
 stat\_2 ~ "\*\*Cervical Cancer Screening\*\*"  
 ))

## 192923 observations missing `CervScrnEver.f` have been removed. To include these observations, use `forcats::fct\_na\_value\_to\_level()` on `CervScrnEver.f` column before passing to `tbl\_summary()`.

add\_overall()Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.