EBP evaluation

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#Load Hmisc library  
library(Hmisc)

## Loading required package: lattice

## Loading required package: survival

## Loading required package: Formula

## Loading required package: ggplot2

##   
## Attaching package: 'Hmisc'

## The following objects are masked from 'package:base':  
##   
## format.pval, units

library(readxl)  
#Read Data  
path<-file.path("C:", "Users", "srava", "Desktop", "GitHub", "EBP", fsep="\\")  
setwd(path)  
  
overalldata<-read\_excel("allpartdata.xlsx")  
  
#Overall descriptives  
  
  
#install.packages("qwraps2")  
library(qwraps2)  
options(qwraps2\_markup = "markdown")  
Overall\_Demographics <- as.data.frame(overalldata)  
  
overall\_summary <-list(  
 #Age=q1  
 "Age"=  
 list("Mean(sd)"=~qwraps2::mean\_sd(q1,na\_rm = TRUE, denote\_sd="paren")),  
   
 #Gender=q4  
 "Gender" =  
 list("Male" = ~ qwraps2::n\_perc(q4 == 1,na\_rm = TRUE),  
 "Female" = ~ qwraps2::n\_perc(q4 == 2,na\_rm = TRUE),  
 "Transgender" = ~ qwraps2::n\_perc(q4 == 3,na\_rm = TRUE),  
 "Other"= ~ qwraps2::n\_perc(q4 == 4,na\_rm = TRUE)  
 ),  
 #Ethnicity=q5  
 "Ethnicity" =  
 list("Hispanic/Latino"= ~ qwraps2::n\_perc(q5 == 1,na\_rm = TRUE),  
 "Not Hispanic/Latino"= ~ qwraps2::n\_perc(q5 == 0,na\_rm=TRUE)  
 ),  
 #Race=q6  
 "Race" =   
 list(  
 "White/Caucasian"= ~ qwraps2::n\_perc(q6\_\_\_1 == 1,na\_rm = TRUE),  
 "Black/African American"= ~ qwraps2::n\_perc(q6\_\_\_2 == 1,na\_rm = TRUE),  
 "Asian"= ~ qwraps2::n\_perc(q6\_\_\_3 == 1,na\_rm = TRUE),  
 "Native Hawaiian/Pacific Islander"= ~ qwraps2::n\_perc(q6\_\_\_4 == 1,na\_rm = TRUE),  
 "American Indian/Native American"= ~ qwraps2::n\_perc(q6\_\_\_5 == 1,na\_rm = TRUE),  
 "Other "= ~ qwraps2::n\_perc(q6\_\_\_6 == 1,na\_rm = TRUE)  
   
 ),  
 #Chronic conditions=q7  
 "Chronic conditions" =   
 list(  
 "Mean (sd)"= ~ qwraps2::mean\_sd(q7\_\_\_1+q7\_\_\_2+q7\_\_\_3+q7\_\_\_4+q7\_\_\_5+q7\_\_\_6+q7\_\_\_7+q7\_\_\_8+q7\_\_\_9+q7\_\_\_10+q7\_\_\_11+q7\_\_\_12+q7\_\_\_13+q7\_\_\_14+q7\_\_\_15+q7\_\_\_16+q7\_\_\_17/17,na\_rm = TRUE, denote\_sd="paren"),  
 "Median (Min, Max)"= ~ qwraps2::median\_iqr(q7\_\_\_1+q7\_\_\_2+q7\_\_\_3+q7\_\_\_4+q7\_\_\_5+q7\_\_\_6+q7\_\_\_7+q7\_\_\_8+q7\_\_\_9+q7\_\_\_10+q7\_\_\_11+q7\_\_\_12+q7\_\_\_13+q7\_\_\_14+q7\_\_\_15+q7\_\_\_16+q7\_\_\_17/17,na\_rm = TRUE),  
 "One or more"=~qwraps2::n\_perc(q7\_\_\_1+q7\_\_\_2+q7\_\_\_3+q7\_\_\_4+q7\_\_\_5+q7\_\_\_6+q7\_\_\_7+q7\_\_\_8+q7\_\_\_9+q7\_\_\_10+q7\_\_\_11+q7\_\_\_12+q7\_\_\_13+q7\_\_\_14+q7\_\_\_15+q7\_\_\_16+q7\_\_\_17/17>=1,na\_rm = TRUE)  
 ),  
   
 #Ruralilty=cleaned\_rural  
 "Rurality" =  
 list(  
 "Rural"= ~qwraps2::n\_perc(cleaned\_rural==1,na\_rm = TRUE)  
 ),  
   
 #Highest level of education=q9  
 "Highest level of education"=  
 list(  
"Less than high school/GED"=~qwraps2::n\_perc(q9\_school==1,na\_rm = TRUE),  
"Some high school"=~qwraps2::n\_perc(q9\_school==2,na\_rm = TRUE),  
"High school graduate/GED"=~qwraps2::n\_perc(q9\_school==3,na\_rm = TRUE),  
"Some college"=~qwraps2::n\_perc(q9\_school==4,na\_rm = TRUE),  
"College graduate"=~qwraps2::n\_perc(q9\_school==5,na\_rm = TRUE),  
"Post- college"=~qwraps2::n\_perc(q9\_school==6,na\_rm = TRUE)  
 ),  
  
 #How hard to pay for basics=q8  
"How hard to pay for basics (e.g., food, housing, medical care, etc.)"=  
 list(  
 "Not hard at all"=~qwraps2::n\_perc(q8\_pay==1,na\_rm = TRUE),  
 "Somewhat hard"=~qwraps2::n\_perc(q8\_pay==2,na\_rm = TRUE),  
 "Very hard"=~qwraps2::n\_perc(q8\_pay==3,na\_rm = TRUE)),  
#Live alone=q2  
 list(  
 "Live alone"=~qwraps2::n\_perc(q2==1,na\_rm = TRUE)),  
   
 #Caregiver=q3  
 list(  
 "Caregiver role"=~qwraps2::n\_perc(q3==1,na\_rm = TRUE))  
   
)  
  
overall <- summary\_table(Overall\_Demographics, overall\_summary)  
overall

##   
##   
## | |Overall\_Demographics (N = 615) |  
## |:------------------------------------------------------------------------|:------------------------------|  
## |\*\*Age\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Mean(sd) |599; 64.05 (13.23) |  
## |\*\*Gender\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Male |103/608 (16.94%) |  
## |&nbsp;&nbsp; Female |503/608 (82.73%) |  
## |&nbsp;&nbsp; Transgender |2/608 (0.33%) |  
## |&nbsp;&nbsp; Other |0/608 (0.00%) |  
## |\*\*Ethnicity\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Hispanic/Latino |35/547 (6.40%) |  
## |&nbsp;&nbsp; Not Hispanic/Latino |512/547 (93.60%) |  
## |\*\*Race\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; White/Caucasian |392 (63.74%) |  
## |&nbsp;&nbsp; Black/African American |161 (26.18%) |  
## |&nbsp;&nbsp; Asian |31 (5.04%) |  
## |&nbsp;&nbsp; Native Hawaiian/Pacific Islander |2 (0.33%) |  
## |&nbsp;&nbsp; American Indian/Native American |7 (1.14%) |  
## |&nbsp;&nbsp; Other |3 (0.49%) |  
## |\*\*Chronic conditions\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Mean (sd) |2.43 (1.67) |  
## |&nbsp;&nbsp; Median (Min, Max) |2.00 (1.00, 3.00) |  
## |&nbsp;&nbsp; One or more |560 (91.06%) |  
## |\*\*Rurality\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Rural |127/593 (21.42%) |  
## |\*\*Highest level of education\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Less than high school/GED |5/584 (0.86%) |  
## |&nbsp;&nbsp; Some high school |16/584 (2.74%) |  
## |&nbsp;&nbsp; High school graduate/GED |69/584 (11.82%) |  
## |&nbsp;&nbsp; Some college |184/584 (31.51%) |  
## |&nbsp;&nbsp; College graduate |168/584 (28.77%) |  
## |&nbsp;&nbsp; Post- college |142/584 (24.32%) |  
## |\*\*How hard to pay for basics (e.g., food, housing, medical care, etc.)\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Not hard at all |264/525 (50.29%) |  
## |&nbsp;&nbsp; Somewhat hard |170/525 (32.38%) |  
## |&nbsp;&nbsp; Very hard |36/525 (6.86%) |  
## |\*\*\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Live alone |250/605 (41.32%) |  
## |\*\*\*\* |&nbsp;&nbsp; |  
## |&nbsp;&nbsp; Caregiver role |112/601 (18.64%) |