Descriptive Analysis of ASU Survey

# Library

Attaching package: 'dplyr'

The following objects are masked from 'package:stats':  
  
 filter, lag

The following objects are masked from 'package:base':  
  
 intersect, setdiff, setequal, union

── Attaching packages ─────────────────────────────────────── tidyverse 1.3.2 ──  
✔ ggplot2 3.4.0 ✔ purrr 0.3.5  
✔ tibble 3.1.8 ✔ stringr 1.5.0  
✔ readr 2.1.3 ✔ forcats 0.5.2  
── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
✖ dplyr::filter() masks stats::filter()  
✖ dplyr::lag() masks stats::lag()  
here() starts at /Users/jacobmatta/Documents/R/ASU-Project-  
  
  
Attaching package: 'pastecs'  
  
  
The following object is masked from 'package:tidyr':  
  
 extract  
  
  
The following objects are masked from 'package:dplyr':  
  
 first, last  
  
  
  
Attaching package: 'table1'  
  
  
The following objects are masked from 'package:base':  
  
 units, units<-

# Load data

## Checking the varibale types

tibble [1,373 × 144] (S3: tbl\_df/tbl/data.frame)  
 $ data\_enterer : chr [1:1373] "Qualtrics" "Qualtrics" "Qualtrics" "Qualtrics" ...  
 $ Event : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Date : chr [1:1373] "11/19/2022" "11/19/2022" "11/19/2022" "11/19/2022" ...  
 $ Zip : chr [1:1373] "31707.0" "31705.0" "31721.0" "31707.0" ...  
 $ ParticipantID : chr [1:1373] "ASJ011989" "TLR081995" "SLR101977" "STH101986" ...  
 $ Gender : chr [1:1373] "2" "2" "2" "2" ...  
 $ Age : chr [1:1373] "2" "2" "4" "\*" ...  
 $ Race\_Ethnicity : chr [1:1373] "1" "1" "1" "1" ...  
 $ Specifiy Race : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Education : chr [1:1373] "2" "\*" "\*" "2" ...  
 $ Language : chr [1:1373] "1" "1" "1" "1" ...  
 $ Specifiy Language : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Income : chr [1:1373] "1" "2" "3" "4" ...  
 $ Family\_household : chr [1:1373] "5" "4" "3" "5" ...  
 $ Children : chr [1:1373] "1" "2" "1" "1" ...  
 $ Number\_children\_1 : chr [1:1373] "2.0" "\*" "\*" "1.0" ...  
 $ Number\_children\_2 : chr [1:1373] "3.0" "\*" "\*" "1.0" ...  
 $ Number\_children\_3 : chr [1:1373] "2.0" "\*" "15.0" "2.0" ...  
 $ Elderly\_family : chr [1:1373] "2" "1" "2" "2" ...  
 $ Number\_elderly\_1 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Number\_elderly\_2 : chr [1:1373] "\*" "1.0" "\*" "\*" ...  
 $ Health Insurance : chr [1:1373] "1" "3" "5" "5" ...  
 $ Conditions\_Cancer : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Severe\_Allergies : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Seizures : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Obesity : chr [1:1373] "\*" "\*" "1" "1" ...  
 $ Conditions\_Cardio\_Disease : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Rheumatological : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Pulmonary : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Diabetes : chr [1:1373] "\*" "\*" "1" "\*" ...  
 $ Conditions\_Immuno : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Pregnancy : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_Other : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Conditions\_No\_Conditions : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_1 : chr [1:1373] "1" "1" "2" "1" ...  
 $ Question\_2 : chr [1:1373] "1" "3" "\*" "\*" ...  
 $ Question\_3 : chr [1:1373] "11.0" "53.0" "\*" "\*" ...  
 $ Question\_4 : chr [1:1373] "5.0" "6.0" "\*" "\*" ...  
 $ Question\_5 : chr [1:1373] "\*" "54.0" "\*" "\*" ...  
 $ Question\_6 : chr [1:1373] "\*" "6.0" "\*" "\*" ...  
 $ Question\_7 : chr [1:1373] "\*" "75.0" "\*" "\*" ...  
 $ Question\_8 : chr [1:1373] "\*" "5.0" "\*" "\*" ...  
 $ Question\_9 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_10 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_11 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_12 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_13\_Fever : chr [1:1373] "1" "1" "\*" "\*" ...  
 $ Question\_13\_Cough : chr [1:1373] "1" "1" "\*" "\*" ...  
 $ Question\_13\_Shortness\_of\_breath : chr [1:1373] "\*" "1" "\*" "\*" ...  
 $ Question\_13\_Fatigue : chr [1:1373] "\*" "1" "\*" "\*" ...  
 $ Question\_13\_Muscle\_Body\_Aches : chr [1:1373] "\*" "1" "\*" "\*" ...  
 $ Question\_13\_Headache : chr [1:1373] "\*" "1" "\*" "\*" ...  
 $ Question\_13\_Loss\_of\_Taste : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_13\_Sore\_Throat : chr [1:1373] "1" "1" "\*" "\*" ...  
 $ Question\_13\_Congestion : chr [1:1373] "\*" "1" "\*" "\*" ...  
 $ Question\_13\_Nausea : chr [1:1373] "\*" "1" "\*" "\*" ...  
 $ Question\_13\_Diarrhea : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_13\_Asymptomatic : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_13\_Other : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_14 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_15 : chr [1:1373] "1" "2" "2" "1" ...  
 $ Question\_16 : chr [1:1373] "1" "4" "\*" "1" ...  
 $ Question\_17 : chr [1:1373] "5" "5" "\*" "4" ...  
 $ Question\_18 : chr [1:1373] "1" "2" "\*" "1" ...  
 $ Question\_19 : chr [1:1373] "1" "1" "1" "2" ...  
 $ Question\_20\_Basic\_Health : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_20\_COVID\_19\_Vacc : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_20\_Improving\_ventilation : chr [1:1373] "\*" "1" "1" "\*" ...  
 $ Question\_20\_Getting\_tested : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_20\_Following\_recommendations: chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_20\_Staying\_home : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_20\_Seeking : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_20\_Avoiding : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_21 : chr [1:1373] "1" "1" "1" "1" ...  
 $ Question\_22 : chr [1:1373] "1" "1" "1" "1" ...  
 $ Question\_23 : chr [1:1373] "1" "1" "1" "1" ...  
 $ Question\_24 : chr [1:1373] "1" "1" "1" "1" ...  
 $ Question\_25 : chr [1:1373] "2" "2" "2" "2" ...  
 $ Question\_26 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_27 : chr [1:1373] "2" "1" "1" "2" ...  
 $ Question\_28 : chr [1:1373] "1" "\*" "\*" "2" ...  
 $ Question\_29 : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_30\_Physician : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_30\_Nurse\_Practitioner : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_30\_Registered\_Nurse : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_30\_Community\_Health\_Advocate: chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_30\_Community\_Member : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_30\_Other : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_31 : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_32 : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_33 : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_34 : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_35 : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_36 : chr [1:1373] "1" "1" "1" "\*" ...  
 $ Question\_37 : chr [1:1373] "Dr.Ant’Sha Jones" "Dr. Jones" "Evangelistic temple of God Church" "\*" ...  
 $ Question\_38\_Handout\_flier : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_38\_Social\_media : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_38\_Standard\_media : chr [1:1373] "\*" "\*" "\*" "\*" ...  
 $ Question\_38\_Community\_Health\_Advocate: chr [1:1373] "\*" "\*" "\*" "\*" ...  
 [list output truncated]

Warning: There were 144 warnings in `mutate()`.  
The first warning was:  
ℹ In argument: `data\_enterer = .Primitive("as.double")(data\_enterer)`.  
Caused by warning:  
! NAs introduced by coercion  
ℹ Run `dplyr::last\_dplyr\_warnings()` to see the 143 remaining warnings.

tibble [1,373 × 144] (S3: tbl\_df/tbl/data.frame)  
 $ data\_enterer : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Event : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Date : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Zip : num [1:1373] 31707 31705 31721 31707 31705 ...  
 $ ParticipantID : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Gender : num [1:1373] 2 2 2 2 2 2 2 2 2 2 ...  
 $ Age : num [1:1373] 2 2 4 NA 4 1 2 2 NA 7 ...  
 $ Race\_Ethnicity : num [1:1373] 1 1 1 1 1 1 1 1 1 2 ...  
 $ Specifiy Race : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Education : num [1:1373] 2 NA NA 2 NA 2 2 1 2 2 ...  
 $ Language : num [1:1373] 1 1 1 1 1 1 1 1 1 1 ...  
 $ Specifiy Language : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Income : num [1:1373] 1 2 3 4 1 1 1 1 1 2 ...  
 $ Family\_household : num [1:1373] 5 4 3 5 4 2 3 3 3 2 ...  
 $ Children : num [1:1373] 1 2 1 1 1 2 1 1 2 2 ...  
 $ Number\_children\_1 : num [1:1373] 2 NA NA 1 NA NA 1 1 NA NA ...  
 $ Number\_children\_2 : num [1:1373] 3 NA NA 1 1 NA 0 1 NA NA ...  
 $ Number\_children\_3 : num [1:1373] 2 NA 15 2 1 NA 0 NA NA NA ...  
 $ Elderly\_family : num [1:1373] 2 1 2 2 2 2 2 2 2 1 ...  
 $ Number\_elderly\_1 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Number\_elderly\_2 : num [1:1373] NA 1 NA NA NA NA NA NA NA 2 ...  
 $ Health Insurance : num [1:1373] 1 3 5 5 1 1 1 1 1 2 ...  
 $ Conditions\_Cancer : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Conditions\_Severe\_Allergies : num [1:1373] NA NA NA NA NA NA NA NA 1 NA ...  
 $ Conditions\_Seizures : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Conditions\_Obesity : num [1:1373] NA NA 1 1 NA NA NA NA 1 NA ...  
 $ Conditions\_Cardio\_Disease : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Conditions\_Rheumatological : num [1:1373] NA NA NA NA NA NA NA NA NA 1 ...  
 $ Conditions\_Pulmonary : num [1:1373] NA NA NA NA NA NA NA NA NA 1 ...  
 $ Conditions\_Diabetes : num [1:1373] NA NA 1 NA NA NA NA NA NA NA ...  
 $ Conditions\_Immuno : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Conditions\_Pregnancy : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Conditions\_Other : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Conditions\_No\_Conditions : num [1:1373] 1 1 1 NA 1 1 1 1 NA NA ...  
 $ Question\_1 : num [1:1373] 1 1 2 1 2 2 2 2 2 1 ...  
 $ Question\_2 : num [1:1373] 1 3 NA NA NA NA NA NA NA 1 ...  
 $ Question\_3 : num [1:1373] 11 53 NA NA NA NA NA NA NA 80 ...  
 $ Question\_4 : num [1:1373] 5 6 NA NA NA NA NA NA NA 8 ...  
 $ Question\_5 : num [1:1373] NA 54 NA NA NA NA NA NA NA NA ...  
 $ Question\_6 : num [1:1373] NA 6 NA NA NA NA NA NA NA NA ...  
 $ Question\_7 : num [1:1373] NA 75 NA NA NA NA NA NA NA NA ...  
 $ Question\_8 : num [1:1373] NA 5 NA NA NA NA NA NA NA NA ...  
 $ Question\_9 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_10 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_11 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_12 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Fever : num [1:1373] 1 1 NA NA NA NA NA NA NA 1 ...  
 $ Question\_13\_Cough : num [1:1373] 1 1 NA NA NA NA NA NA NA 1 ...  
 $ Question\_13\_Shortness\_of\_breath : num [1:1373] NA 1 NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Fatigue : num [1:1373] NA 1 NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Muscle\_Body\_Aches : num [1:1373] NA 1 NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Headache : num [1:1373] NA 1 NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Loss\_of\_Taste : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Sore\_Throat : num [1:1373] 1 1 NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Congestion : num [1:1373] NA 1 NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Nausea : num [1:1373] NA 1 NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Diarrhea : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Asymptomatic : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_13\_Other : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_14 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_15 : num [1:1373] 1 2 2 1 5 1 1 2 1 2 ...  
 $ Question\_16 : num [1:1373] 1 4 NA 1 5 1 2 2 NA 2 ...  
 $ Question\_17 : num [1:1373] 5 5 NA 4 5 4 4 4 NA 4 ...  
 $ Question\_18 : num [1:1373] 1 2 NA 1 5 1 4 4 NA 3 ...  
 $ Question\_19 : num [1:1373] 1 1 1 2 1 1 1 1 3 1 ...  
 $ Question\_20\_Basic\_Health : num [1:1373] 1 1 1 NA NA 1 1 1 NA 1 ...  
 $ Question\_20\_COVID\_19\_Vacc : num [1:1373] 1 1 1 NA 1 1 NA 1 NA NA ...  
 $ Question\_20\_Improving\_ventilation : num [1:1373] NA 1 1 NA NA 1 1 1 NA NA ...  
 $ Question\_20\_Getting\_tested : num [1:1373] 1 1 1 NA NA 1 1 1 NA NA ...  
 $ Question\_20\_Following\_recommendations: num [1:1373] 1 1 1 NA NA 1 1 1 NA NA ...  
 $ Question\_20\_Staying\_home : num [1:1373] 1 1 1 NA NA 1 1 1 NA 1 ...  
 $ Question\_20\_Seeking : num [1:1373] 1 1 1 NA NA 1 1 1 NA NA ...  
 $ Question\_20\_Avoiding : num [1:1373] 1 1 1 NA NA 1 1 1 NA NA ...  
 $ Question\_21 : num [1:1373] 1 1 1 1 1 1 1 1 1 1 ...  
 $ Question\_22 : num [1:1373] 1 1 1 1 1 1 1 1 1 1 ...  
 $ Question\_23 : num [1:1373] 1 1 1 1 1 1 1 1 1 1 ...  
 $ Question\_24 : num [1:1373] 1 1 1 1 1 1 1 1 1 2 ...  
 $ Question\_25 : num [1:1373] 2 2 2 2 1 2 2 1 2 2 ...  
 $ Question\_26 : num [1:1373] NA NA NA NA 2 NA NA 2 NA NA ...  
 $ Question\_27 : num [1:1373] 2 1 1 2 NA 2 2 NA 1 1 ...  
 $ Question\_28 : num [1:1373] 1 NA NA 2 NA 2 2 NA NA NA ...  
 $ Question\_29 : num [1:1373] 1 1 1 NA 1 NA NA 1 NA 1 ...  
 $ Question\_30\_Physician : num [1:1373] NA NA NA NA 1 NA NA NA NA NA ...  
 $ Question\_30\_Nurse\_Practitioner : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_30\_Registered\_Nurse : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_30\_Community\_Health\_Advocate: num [1:1373] 1 1 1 NA NA 1 NA NA NA NA ...  
 $ Question\_30\_Community\_Member : num [1:1373] NA NA NA NA NA 1 1 1 NA 1 ...  
 $ Question\_30\_Other : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_31 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_32 : num [1:1373] 1 1 1 NA 1 1 1 1 NA 1 ...  
 $ Question\_33 : num [1:1373] 1 1 1 NA 1 1 1 1 NA 1 ...  
 $ Question\_34 : num [1:1373] 1 1 1 NA 1 1 1 2 NA 1 ...  
 $ Question\_35 : num [1:1373] 1 1 1 NA 1 1 1 1 NA 2 ...  
 $ Question\_36 : num [1:1373] 1 1 1 NA 2 5 4 5 NA 5 ...  
 $ Question\_37 : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_38\_Handout\_flier : num [1:1373] NA NA NA NA NA NA NA 1 NA NA ...  
 $ Question\_38\_Social\_media : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_38\_Standard\_media : num [1:1373] NA NA NA NA NA NA NA NA NA NA ...  
 $ Question\_38\_Community\_Health\_Advocate: num [1:1373] NA NA NA NA 1 NA NA NA NA 1 ...  
 [list output truncated]

# Creating the Exposure variable where 1 = asu\_merged and 2 = not asu\_merged to COVID-19 and 3 = paricipants that left quesiton missing or answered do not know or don’t know

1 2 3   
436 757 180

#At risk Variable

1 2 3   
501 267 451

## Adding and Cleaning variables for easy-to-read descriptive analysis

1 2 3+   
80 30 28

1 2 3+   
123 35 41

1 2 3+   
119 47 38

1 2 3+   
130 39 16

1 2 3+   
130 39 16

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 26 27   
17 1 6 2 4 1 5 1 1 4 7 1 2 4 6 5 1 4 5 5 4 4 2 4 2 2   
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53   
 1 3 9 8 2 2 2 8 7 3 5 6 6 7 13 8 7 12 4 6 7 1 7 9 11 6   
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 77 78 79 80   
 5 7 4 4 2 10 3 10 9 7 11 8 8 5 8 1 12 4 1 1 5 1 2 2 2

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20   
 3 23 15 17 20 14 17 12 21 17 11 6 101 5 5 9 2 2 9 3   
 22 23 24 25 27 28 29 30 32 36   
 2 2 32 1 1 1 1 1 2 7

1 2 3 4 5 6 7 8 9 10 11 13 14 15 16 17 18 20 21 22 23 24 25 27 28 29   
 2 1 2 1 1 4 3 2 6 10 4 1 3 4 7 3 2 2 1 2 1 1 2 4 4 3   
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 48 49 50 51 52 53 54 55 56   
 6 3 2 1 2 3 2 1 1 1 3 4 6 4 7 3 2 3 2 5 7 2 3 2 4 2   
57 58 59 60 61 62 63 64 65 66 67 68 69 70 72 75 77 78 81 87   
 1 2 1 4 8 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 17 18 20 21 24 32 36   
11 5 9 10 7 9 6 3 9 9 2 61 3 4 2 1 5 2 2 14 1 1

3 4 5 6 7 10 11 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 32   
 1 2 3 1 2 2 1 7 1 3 1 1 2 2 6 1 2 1 1 2 3 4 2 1 2 1   
33 36 37 38 40 41 42 43 44 45 47 49 54 55 56 60 61 67 70 75 77 83   
 2 1 2 2 5 3 1 1 1 2 1 1 1 1 3 2 1 1 2 1 1 1

1 2 3 4 5 6 7 8 9 10 11 12 13 17 18 19 20 24 36   
 4 4 1 1 5 5 5 2 7 3 1 27 1 1 7 1 1 5 1

4 8 9 11 12 13 14 16 17 18 20 22 28 30 31 33 37 38 39 41 42 43 46 57 60 71   
 1 1 1 2 1 1 3 1 1 2 1 2 1 1 4 1 1 3 3 2 1 1 2 1 1 1   
72 86   
 1 1

1 3 5 6 7 8 9 10 12 16 18 20 24 36   
 2 2 1 3 2 2 2 2 12 1 2 1 3 1

2 7 15 16 17 18 33 34 40 41 46 47 52 69 72   
 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1

1 2 3 5 8 9 12 20 26   
 1 1 1 2 1 1 3 1 1

0 1 2 3 4 5 6 7   
810 382 138 33 5 3 1 1

At Risk Neutral Not At Risk   
 367 219 359

At Risk Neutral Not At Risk   
 660 110 146

At Risk Neutral Not At Risk   
 338 245 326

#————————————–DEMOGRAPHICS—————————————————#

# Summary for zip

freq perc  
   
31701 341 24.8%  
31705 407 29.6%  
31707 247 18.0%  
Other 378 27.5%

# Summary for gender

freq perc  
   
Female 908 67.6%  
I would rather not specify 2 0.1%  
Male 433 32.2%

# Summary for age

freq perc  
   
18-24 years old 217 18.6%  
25-34 years old 162 13.9%  
35-44 years old 42 3.6%  
45-54 years old 185 15.8%  
55-64 years old 260 22.3%  
65-74 years old 241 20.6%  
75 years or older 61 5.2%

# Summary for race

freq perc  
   
African American 1'283 95.7%  
Asian 5 0.4%  
Caucasian 37 2.8%  
Latino or Hispanic 5 0.4%  
Native American 2 0.1%  
Other 8 0.6%

# Summary for Education

freq perc  
   
Bachelor's Degree or higher 139 13.4%  
High School 765 73.8%  
Less than High School 133 12.8%

# Summary for Language

freq perc  
   
English 1'304 99.5%  
Other 3 0.2%  
Spanish 3 0.2%

# Summary for Income

freq perc  
   
$25,000-$50,000 476 36.5%  
$50,000-$100,000 230 17.6%  
Less than $25,000 535 41.0%  
More than $100,000 64 4.9%

# Summary for Family\_household

freq perc  
   
1 348 28.2%  
2 383 31.0%  
3 252 20.4%  
4 151 12.2%  
5 or more 100 8.1%

# Summary for Children

freq perc  
   
No 908 69.6%  
Yes 396 30.4%

# Summary for number of children below 5 years old

freq perc  
   
1 80 58.0%  
2 30 21.7%  
3+ 28 20.3%

# Summary for number of children between 5-11

freq perc  
   
1 123 61.8%  
2 35 17.6%  
3+ 41 20.6%

# Summary for number of children between 12-17

freq perc  
   
1 119 58.3%  
2 47 23.0%  
3+ 38 18.6%

# Summary for elderly family members

freq perc  
   
1 266 21.2%  
2 989 78.8%

# Summary for the number of elderly family members aged 65-74

freq perc  
   
1 130 70.3%  
2 39 21.1%  
3+ 16 8.6%

# Summary for the number of elderly family members aged 75+

freq perc  
   
1 67 72.8%  
2 11 12.0%  
3+ 14 15.2%

# Summary for health insurance

freq perc  
   
Affordable Care Act (Obamacare) 45 3.8%  
Don't Know / Not Sure 80 6.8%  
Medicaid 278 23.7%  
Medicare 251 21.4%  
Other 174 14.9%  
Private `Health Insurance` 278 23.7%  
Uninsured 65 5.6%

# Summary for participants with cancer

Yes   
 29

# Summary for participants with severe allergies

Yes   
 84

# Summary for participants with seizures

Yes   
 12

# Summary for participants with obesity

Yes   
151

# Summary for participants with cardiovascular disease

Yes   
 45

# Summary for participants with Rheumatological

Yes   
 81

# Summary for participants with pulmonary disease

Yes   
 50

# Summary for participants with diabetes

Yes   
230

# Summary for participants who are in an immunocompromised state

Yes   
 12

# Summary for participants who are pregnant

Yes   
 13

# Summary for participants who are other

Yes   
 96

# Summary for participants who have no health conditions

Yes   
597

# Summary for participants who have conditions

freq perc  
   
0 810 59.0%  
3+ Conditions 43 3.1%  
One Conditions 382 27.8%  
Two Conditions 138 10.1%

# Summary for pariciapnts with no conditions

Yes   
597

#————————————–SECTION2—————————————————#

# Summary for question 1: Has a healthcare provider or a home test ever informed you or your family members that you (or your children or other family members) had COVID-19?

freq perc  
   
Do not know 18 1.4%  
No 757 60.6%  
Not sure 39 3.1%  
Yes 436 34.9%

# Summary for question 2: How many members of your household tested positive for COVID-19

freq perc  
   
1 210 52.9%  
2 101 25.4%  
3 49 12.3%  
4 29 7.3%  
5 5 1.3%  
59 1 0.3%  
62 1 0.3%  
82 1 0.3%

# Summary for question 3: Age of family member 1 who had COVID-19

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_3b   
3   Mean (SD) 42.0 (21.1) 30.0 (NA) NA (NA)  
4   Median [Min, Max] 44.0 [1.00, 80.0] 30.0 [30.0, 30.0] NA [NA, NA]  
5   Missing 45 (10.3%) 179 (99.4%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 41.9 (21.1)  
4 44.0 [1.00, 80.0]  
5 981 (71.4%)

# Summary for Question\_4: How many months since family member 1 last tested positive

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed Overall  
1 (N=436) (N=180) (N=757) (N=1373)  
2 Question\_4b   
3   Mean (SD) 11.1 (7.64) NA (NA) NA (NA) 11.1 (7.64)  
4   Median [Min, Max] 12.0 [0, 36.0] NA [NA, NA] NA [NA, NA] 12.0 [0, 36.0]  
5   Missing 74 (17.0%) 180 (100%) 757 (100%) 1011 (73.6%)

# Summary for Question\_5: Age of family member 2 who had COVID-19

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_5b   
3   Mean (SD) 35.5 (20.4) NA (NA) NA (NA)  
4   Median [Min, Max] 36.0 [1.00, 87.0] NA [NA, NA] NA [NA, NA]  
5   Missing 247 (56.7%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 35.5 (20.4)  
4 36.0 [1.00, 87.0]  
5 1184 (86.2%)

# Summary for Question\_6: How many months since family member 2 last tested positive

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_6b   
3   Mean (SD) 10.7 (6.51) NA (NA) NA (NA)  
4   Median [Min, Max] 12.0 [1.00, 36.0] NA [NA, NA] NA [NA, NA]  
5   Missing 260 (59.6%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 10.7 (6.51)  
4 12.0 [1.00, 36.0]  
5 1197 (87.2%)

# Summary for Question\_7: Age of family member one who 3 COVID-19

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_7b   
3   Mean (SD) 30.2 (19.0) NA (NA) NA (NA)  
4   Median [Min, Max] 27.0 [3.00, 83.0] NA [NA, NA] NA [NA, NA]  
5   Missing 345 (79.1%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 30.2 (19.0)  
4 27.0 [3.00, 83.0]  
5 1282 (93.4%)

#Summary for Question\_8: How many months since family member 3 last tested positive

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_8b   
3   Mean (SD) 11.0 (6.38) NA (NA) NA (NA)  
4   Median [Min, Max] 12.0 [1.00, 36.0] NA [NA, NA] NA [NA, NA]  
5   Missing 354 (81.2%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 11.0 (6.38)  
4 12.0 [1.00, 36.0]  
5 1291 (94.0%)

#Summary for Question\_9: Age of family member four who had COVID-19

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_9b   
3   Mean (SD) 31.7 (18.6) NA (NA) NA (NA)  
4   Median [Min, Max] 31.0 [4.00, 86.0] NA [NA, NA] NA [NA, NA]  
5   Missing 394 (90.4%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 31.7 (18.6)  
4 31.0 [4.00, 86.0]  
5 1331 (96.9%)

# Summary for Question\_10: How many months since family member 4 last tested positive

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_10b   
3   Mean (SD) 11.8 (7.22) NA (NA) NA (NA)  
4   Median [Min, Max] 12.0 [1.00, 36.0] NA [NA, NA] NA [NA, NA]  
5   Missing 400 (91.7%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 11.8 (7.22)  
4 12.0 [1.00, 36.0]  
5 1337 (97.4%)

# Summary for Question\_11: Age of family member 5 who had COVID-19

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_11b   
3   Mean (SD) 32.8 (20.4) NA (NA) NA (NA)  
4   Median [Min, Max] 33.0 [2.00, 72.0] NA [NA, NA] NA [NA, NA]  
5   Missing 419 (96.1%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 32.8 (20.4)  
4 33.0 [2.00, 72.0]  
5 1356 (98.8%)

# Summary for Question\_12: How many months since family member 5 last tested positive

Get nicer `table1` .docx output by simply installing the `flextable` package

  Exposed Missing Unexposed  
1 (N=436) (N=180) (N=757)  
2 Question\_12b   
3   Mean (SD) 9.58 (7.48) NA (NA) NA (NA)  
4   Median [Min, Max] 8.50 [1.00, 26.0] NA [NA, NA] NA [NA, NA]  
5   Missing 424 (97.2%) 180 (100%) 757 (100%)  
 Overall  
1 (N=1373)  
2   
3 9.58 (7.48)  
4 8.50 [1.00, 26.0]  
5 1361 (99.1%)

# Summary for Question\_13: Did your children or your family member experience Fever or chills

Exposed Missing Unexposed  
 1 253 1 0

# Summary for Question\_13\_Cough: Did your children or your family member experience cough

Exposed Missing Unexposed  
 1 274 1 2

# Summary for Question\_13\_Shortness\_of\_breath: Did your children or your family member experience Shortness\_of\_breath

Exposed Missing Unexposed  
 1 157 0 1

# Summary for Question\_13\_Fatigue: Did your children or your family member experience Fatigue

Exposed Missing Unexposed  
 1 220 0 1

# Summary for Question\_13\_Muscle\_Body\_Aches: Did your children or your family member experience \_Muscle\_Body\_Aches

Exposed Missing Unexposed  
 1 217 1 2

# Summary for Question\_13\_Headache: Did your children or your family member experience Headache

Exposed Missing Unexposed  
 1 215 0 1

# Summary for Question\_13\_Loss\_of\_Taste: Did your children or your family member experience Loss\_of\_Taste

Exposed Missing Unexposed  
 1 153 1 1

# Summary for Question\_13\_Sore\_Throat: Did your children or your family member experience Sore\_Throat

Exposed Missing Unexposed  
 1 184 1 0

# Summary for Question\_13\_Congestion: Did your children or your family member experience Congestion

Exposed Missing Unexposed  
 1 209 1 1

# Summary for Question\_13\_Nausea: Did your children or your family member experience Nausea

Exposed Missing Unexposed  
 1 96 0 0

# Summary for Question\_13\_Diarrhea: Did your children or your family member experience Diarrhea

Exposed Missing Unexposed  
 1 96 0 1

# Summary for Question\_13\_Asymptomatic: Did your children or your family member experience Asymptomatic

Exposed Missing Unexposed  
 1 39 0 0

# Summary for Question\_13\_Other: Did your children or your family member experience other

Exposed Missing Unexposed  
 1 13 1 0  
 5 1 0 0

# Summary for Question\_14: Describe your symptoms

Exposed Missing Unexposed  
 1 0 0 1  
 4 1 0 0  
 5 2 0 0

# Summary for Question\_15:I (or my chidlren) am at risk of getting a COVID-19

freq perc  
   
1 501 41.1%  
2 267 21.9%  
3 451 37.0%

# Summary for Question\_16: My family members are at risk of COVID-19 infection

freq perc  
   
At Risk 367 38.8%  
Neutral 219 23.2%  
Not At Risk 359 38.0%

# Summary for Question\_17: I feel knowledgeable about the risk of getting COVID-19 infection

freq perc  
   
At Risk 660 72.1%  
Neutral 110 12.0%  
Not At Risk 146 15.9%

# Summary for Question\_18: I am worried about the likehood of getting a COVID-19 infection in the near future

freq perc  
   
At Risk 338 37.2%  
Neutral 245 27.0%  
Not At Risk 326 35.9%

# Summary for Question\_19:Can we prevent ourselves from getting infected with the COVID-19 virus and/or reduce the severity of infection if infected?

freq perc  
   
Do not know 16 1.2%  
No 125 9.5%  
Not sure 153 11.7%  
Yes 1'019 77.6%

# Summary for Question\_20\_Basic\_Health: Prevention strategies - Basic health and hygiene practices (mask wearing, handwashing, etc.)

Yes   
960

# Summary for Question\_20\_COVID\_19\_Vacc: Prevention strategies - Staying up to date with COVID-19 vaccines

Yes   
885

# Summary for Question\_20\_Improving\_ventilation: Prevention strategies

Yes   
643

# Summary for Question\_20\_Getting\_tested: Prevention strategies

Yes   
878

# Summary for Question\_20\_Following\_recommendations: Prevention strategies

Yes   
810

# Summary for Question\_20\_Staying\_home: Prevention strategies

Yes   
830

# Summary for Question\_20\_Seeking: Prevention strategies - Seeking treatment if you have COVID-19 and are at a high risk of getting very sick

Yes   
808

# Summary for Question\_20\_Avoiding: Prevention strategies - Avoiding contact with people who have suspected or confirmed COVID-19

Yes   
842

# Summary for Question\_21: Do you know where to get a COVID-19 vaccine?

freq perc  
   
Do not know 8 0.6%  
No 26 2.1%  
Not sure 13 1.0%  
Yes 1'200 96.2%

#————————————–SECTION3—————————————————#

# Summary for Question\_22: Were you provided with COVID-19 health information during the event today?

freq perc  
   
Do not know 8 0.6%  
No 87 6.6%  
Not sure 29 2.2%  
Yes 1'198 90.6%

# Summary for Question\_23: Did you understand the COVID-19 health information provided today?

freq perc  
   
Do not know 10 0.8%  
No 27 2.1%  
Not sure 21 1.6%  
Yes 1'240 95.5%

# Summary for Question\_24: Did you receive information on the COVID-19 vaccine today?

freq perc  
   
Do not know 11 0.8%  
No 112 8.5%  
Not sure 19 1.4%  
Yes 1'170 89.2%

# Summary for Question\_25: Did you also receive a COVID-19 vaccine today?

freq perc  
   
No 759 60.0%  
Yes 505 40.0%

# Summary for Question\_26: Was the COVID-19 vaccine dose you received today your 1st dose?

freq perc  
   
No 338 81.6%  
Yes 76 18.4%

# Summary for Question\_27: Were you vaccinated in the past?

freq perc  
   
No 147 20.4%  
Yes 574 79.6%

# Summary for Question\_28: Do you plan to get vaccinated in the near future?

freq perc  
   
Do not know 6 3.4%  
No 39 22.3%  
Not sure 53 30.3%  
Yes 77 44.0%

# Summary for Question\_29: If/when you decide to get vaccinated, do you know where to get a COVID-19 vaccine?

freq perc  
   
No 36 3.6%  
Yes 954 96.4%

# Summary for Question\_30\_Physician: Who provided the information during the event today? Physician

Yes   
173

# Summary for Question\_30\_Nurse\_Practitioner: Who provided the information during the event today? Nurse Practitioner

Yes   
 97

# Summary for Question\_30\_Registered\_Nurse: Who provided the information during the event today? Registered Nurse

Yes   
148

# Summary for Question\_30\_Community\_Health\_Advocate: Who provided the information during the event today? Community Health Advocate

Yes   
410

# Summary for Question\_30\_Community\_Member: Who provided the information during the event today? Community Member

Yes   
436

# Summary for Question\_30\_Other: Who provided the information during the event today? Other

Yes   
120

# Summary for Question\_31: Who provided the information during the event today? specify

1 2   
7 1

# Summary for Question\_32: Did the information provider during the event today check your understanding of the COVID-19 health information provided including information about the vaccine?

Do not know No Not sure Yes   
 15 55 42 1174

# Summary for Question\_33: Were you satisfied with the communication regarding COVID-19 health information including information about the vaccine during the event today?

Do not know No Not sure Yes   
 8 31 33 1220

# Summary for Question\_34: Were you involved in decisions regarding COVID-19 vaccination decisions made today?

Do not know No Not sure Yes   
 19 192 59 1013

# Summary for Question\_35: How confident are you about COVID 19 vaccine after participating in the event today?

freq perc  
   
Moderately confident 218 17.2%  
Moderately unconfident 21 1.7%  
Very confident 1'008 79.3%  
Very unconfident 24 1.9%

# Summary for Question\_36: Was the information session you participated in today hosted by a

freq perc  
   
local barbershop 7 0.6%  
local church 768 61.3%  
local hospital 36 2.9%  
mobile vaccine and/or testing clinics 76 6.1%  
other community event 366 29.2%

# Summary for Question\_37: Please provide the name of the person (s) or organization (s) who provided the information

freq perc  
   
1 3 75.0%  
30 1 25.0%

# Summary for Question\_38\_Handout\_flier: How did you hear about the activity you attended today? Handout flier, pamphlet, or brochure

Yes   
193

# Summary for Question\_38\_Social\_media: How did you hear about the activity you attended today? Social media (TikTok, Instagram, Facebook and Twitter)

Yes   
 84

# Summary for Question\_38\_Standard\_media: How did you hear about the activity you attended today? standard medial source (TV, Radio, Newspaper)

Yes   
 77

# Summary for Question\_38\_Community\_Health\_Advocate: How did you hear about the activity you attended today? A community health advocate or any other community professional

Yes   
147

# Summary for Question\_38\_Church\_service: How did you hear about the activity you attended today? church service

Yes   
308

# Summary for Question\_38\_Barbershop: How did you hear about the activity you attended today? at the local barbershop

Yes   
 7

# Summary for Question\_38\_Community\_members: How did you hear about the activity you attended today? from community members, friends, or family members

Yes   
439

# Summary for Question\_38\_Others: How did you hear about the activity you attended today? other

Yes   
 61

# Summary for Question\_39: How did you hear about the activity you attended today? specify

1 2 3   
 2 12 1

# Summary for Question\_40: Did your child or children also receive a COVID-19 vaccine today?

freq perc  
   
I do not have childen under 18 in my household 118 19.3%  
No 422 69.1%  
Yes 71 11.6%

# Summary for Question\_41: was the dose you child/children received today their 1st dose

freq perc  
   
No 39 68.4%  
Yes 18 31.6%

# Summary for Question\_42: was your child/children vaccinated in the past?

freq perc  
   
No 139 44.6%  
Yes 173 55.4%

# Summary for Question\_43: do you plan to get you child/children vaccinated in the near future?

freq perc  
   
Do not know 7 4.0%  
No 50 28.4%  
Not sure 60 34.1%  
Yes 59 33.5%

#————————————–SECTION4—————————————————# Vaccine Hesitancy Qustions

# Clinical Barriers

## Summary for Question\_44: Getting sick from multiple dose of COVID-19 vaccine is of concern

freq perc  
   
Agree 202 16.9%  
Disagree 269 22.5%  
Neutral 278 23.3%  
Strongly Agree 189 15.8%  
Strongly Disagree 257 21.5%

# Summary for Question\_45: Dying from the COVID-19 vaccine is of concern

freq perc  
   
Agree 183 15.3%  
Disagree 240 20.1%  
Neutral 249 20.8%  
Strongly Agree 245 20.5%  
Strongly Disagree 279 23.3%

# Summary for Question\_46: Heart disease from the COVID-19 vaccine is of concern

freq perc  
   
Agree 191 16.2%  
Disagree 260 22.0%  
Neutral 272 23.1%  
Strongly Agree 196 16.6%  
Strongly Disagree 261 22.1%

# Summary for Question\_47: Blood clots from the COVID-19 vaccine is of concern

freq perc  
   
Agree 203 17.2%  
Disagree 253 21.5%  
Neutral 271 23.0%  
Strongly Agree 199 16.9%  
Strongly Disagree 253 21.5%

# Summary for Question\_48: The COVID-19 vaccine leads to miscarriages and is not appropriate for pregnant women

freq perc  
   
Agree 114 9.7%  
Disagree 276 23.5%  
Neutral 344 29.3%  
Strongly Agree 164 14.0%  
Strongly Disagree 276 23.5%

# Summary for Question\_49: High blood pressure from the COVID-19 vaccine is of concern

freq perc  
   
Agree 173 14.7%  
Disagree 276 23.5%  
Neutral 283 24.1%  
Strongly Agree 176 15.0%  
Strongly Disagree 266 22.7%

# Summary for Question\_50: COVID-19 vaccine implants a “computer chip” in the body

freq perc  
   
Agree 89 7.6%  
Disagree 297 25.3%  
Neutral 242 20.6%  
Strongly Agree 115 9.8%  
Strongly Disagree 433 36.8%

# Summary for Question\_51: COVID-19 vaccine components remain in the human body for a long period of time

freq perc  
   
Agree 201 17.3%  
Disagree 244 21.1%  
Neutral 349 30.1%  
Strongly Agree 141 12.2%  
Strongly Disagree 224 19.3%

# Summary for Question\_52: Pain from/related to COVID-19 vaccine is of concern.

freq perc  
   
Agree 174 15.0%  
Disagree 245 21.1%  
Neutral 313 26.9%  
Strongly Agree 170 14.6%  
Strongly Disagree 261 22.4%

# Summary for Question\_53: COVID-19 vaccine is NOT an effective way to protect against COVID-19.

freq perc  
   
Agree 99 8.4%  
Disagree 310 26.5%  
Neutral 250 21.3%  
Strongly Agree 80 6.8%  
Strongly Disagree 433 36.9%

# Access Barriers

# Summary for Question\_54: I don’t know how to get a hold of the COVID-19 vaccine

freq perc  
   
Agree 62 5.3%  
Disagree 320 27.4%  
Neutral 189 16.2%  
Strongly Agree 55 4.7%  
Strongly Disagree 542 46.4%

# Summary for Question\_55: : It is inconvenient to get the COVID-19 vaccine

freq perc  
   
Agree 108 9.2%  
Disagree 286 24.4%  
Neutral 201 17.1%  
Strongly Agree 92 7.8%  
Strongly Disagree 486 41.4%

# Summary for Question\_56: : There is a shortage of the COVID-19 vaccine

freq perc  
   
Agree 68 5.8%  
Disagree 347 29.7%  
Neutral 224 19.1%  
Strongly Agree 48 4.1%  
Strongly Disagree 483 41.3%

# Summary for Question\_57: : The clinics/venues that provide the COVID-19 vaccine are too far away

freq perc  
   
Agree 66 6.2%  
Disagree 337 31.5%  
Neutral 189 17.7%  
Strongly Agree 32 3.0%  
Strongly Disagree 446 41.7%

# Information Barriers

# Summary for Question\_58: : I don’t have enough information to decide whether to take COVID-19 vaccine or no

freq perc  
   
Agree 66 5.8%  
Disagree 333 29.2%  
Neutral 196 17.2%  
Strongly Agree 41 3.6%  
Strongly Disagree 503 44.2%

# Summary for Question\_59: : I am confused by the information about the COVID-19 vaccines

freq perc  
   
Agree 75 6.6%  
Disagree 317 28.0%  
Neutral 200 17.6%  
Strongly Agree 25 2.2%  
Strongly Disagree 517 45.6%

# Summary for Question\_60: : I don’t know where I can get accurate information about the COVID-19 vaccines

freq perc  
   
Agree 73 6.5%  
Disagree 325 28.8%  
Neutral 178 15.8%  
Strongly Agree 27 2.4%  
Strongly Disagree 524 46.5%

# Summary for Question\_61: : I don’t know where I can get trustworthy information about the COVID-19 vaccines

freq perc  
   
Agree 58 5.2%  
Disagree 334 29.7%  
Neutral 183 16.3%  
Strongly Agree 29 2.6%  
Strongly Disagree 522 46.4%

# Trust Barriers

# Summary for Question\_62: : I don’t trust vaccines in general

freq perc  
   
Agree 79 7.0%  
Disagree 319 28.2%  
Neutral 237 20.9%  
Strongly Agree 43 3.8%  
Strongly Disagree 454 40.1%

# Summary for Question\_63: : I don’t trust the scientists/professionals who recommend the COVID-19 vaccines

freq perc  
   
Agree 68 6.0%  
Disagree 323 28.6%  
Neutral 248 22.0%  
Strongly Agree 34 3.0%  
Strongly Disagree 456 40.4%

# Summary for Question\_64: : I don’t trust the government agencies that approved the COVID-19 vaccines

freq perc  
   
Agree 84 7.5%  
Disagree 325 28.8%  
Neutral 262 23.2%  
Strongly Agree 45 4.0%  
Strongly Disagree 411 36.5%

# Summary for Question\_65: : I don’t trust the pharmaceutical companies that manufacture the COVID-19 vaccines

freq perc  
   
Agree 80 7.1%  
Disagree 341 30.3%  
Neutral 266 23.6%  
Strongly Agree 38 3.4%  
Strongly Disagree 401 35.6%

# Summary for Question\_66: : I don’t trust media that recommend the COVID-19 vaccines

freq perc  
   
Agree 89 7.9%  
Disagree 337 29.9%  
Neutral 271 24.0%  
Strongly Agree 44 3.9%  
Strongly Disagree 387 34.3%

# Religious Barriers

# Summary for Question\_67: : As long as I am faithful to my God and/or my religion, I am protected from COVID-19, therefore I do not need the COVID-19 vaccine

freq perc  
   
Agree 86 7.6%  
Disagree 303 26.9%  
Neutral 261 23.2%  
Strongly Agree 76 6.7%  
Strongly Disagree 401 35.6%

# Summary for Question\_68: : The COVID-19 vaccines’ ingredients are banned by my religion therefore I cannot get the COVID-19 vaccine

freq perc  
   
Agree 51 4.7%  
Disagree 314 28.7%  
Neutral 225 20.6%  
Strongly Agree 34 3.1%  
Strongly Disagree 469 42.9%

# Summary for Question\_69: : It is better to use spiritual/holy preventive measures (e.g., holy water, holy oil, cross, holy amulets, etc.) to prevent getting sick from COVID-19 than

freq perc  
   
Agree 69 6.1%  
Disagree 310 27.5%  
Neutral 257 22.8%  
Strongly Agree 47 4.2%  
Strongly Disagree 443 39.3%

# Summary for Question\_70: : It is better to use natural preventive methods (e.g., essential oils, other natural drinks, tonics etc.) to prevent getting infected with COVID-19 than getting the vaccine

freq perc  
   
Agree 81 7.3%  
Disagree 294 26.7%  
Neutral 257 23.3%  
Strongly Agree 46 4.2%  
Strongly Disagree 425 38.5%

# Summary for Question\_71: : It is better to get sick of COVID-19 and for your body to fight it off, building natural immunity than getting the vaccine rinks, tonics etc.) to prevent getting infected with COVID-19 than getting the vaccine

freq perc  
   
Agree 74 6.5%  
Disagree 286 25.0%  
Neutral 244 21.3%  
Strongly Agree 62 5.4%  
Strongly Disagree 477 41.7%

#————————————–SECTION5—————————————————#

# Summary for Question\_72: : I am willing to get vaccinated if The CDC/ local health department recommended us to get the COVID-19 vaccine

freq perc  
   
Agree 453 38.4%  
Disagree 51 4.3%  
Neutral 216 18.3%  
Strongly Agree 373 31.6%  
Strongly Disagree 88 7.5%

# Summary for Question\_73: : I am willing to get vaccinated if My health care provider recommended me to get the COVID-19 vaccine

freq perc  
   
Agree 459 39.0%  
Disagree 65 5.5%  
Neutral 205 17.4%  
Strongly Agree 364 31.0%  
Strongly Disagree 83 7.1%

# Summary for Question\_74: : I am willing to get vaccinated if My nurse recommended me to get the COVID-19 vaccine

freq perc  
   
Agree 423 36.2%  
Disagree 94 8.0%  
Neutral 245 21.0%  
Strongly Agree 315 27.0%  
Strongly Disagree 91 7.8%

# Summary for Question\_75: : I am willing to get vaccinated if My spiritual advisor (such as pastor/priest/rabbi/imam) recommended me to get the COVID-19 vaccine

freq perc  
   
Agree 396 33.8%  
Disagree 82 7.0%  
Neutral 277 23.7%  
Strongly Agree 319 27.3%  
Strongly Disagree 96 8.2%

# Summary for Question\_76: : I am willing to get vaccinated if My family members recommended me to get the COVID-19 vaccine

freq perc  
   
Agree 459 39.1%  
Disagree 58 4.9%  
Neutral 253 21.5%  
Strongly Agree 320 27.2%  
Strongly Disagree 85 7.2%

# Summary for Question\_77: : I am willing to get vaccinated if My colleagues/co-workers recommended me to get the COVID-19 vaccine

freq perc  
   
Agree 410 35.0%  
Disagree 98 8.4%  
Neutral 298 25.4%  
Strongly Agree 263 22.4%  
Strongly Disagree 103 8.8%

# Summary for Question\_78: : I am willing to get vaccinated if…- I need to learn more about COVID-19 vaccination, its side effects, benefits, and future implications

freq perc  
   
Agree 419 35.7%  
Disagree 69 5.9%  
Neutral 291 24.8%  
Strongly Agree 314 26.7%  
Strongly Disagree 82 7.0%

# Summary for data\_source: pen and paper or qualtrics

freq perc  
   
Pen and Paper survey 476 34.7%  
Qualtrics 894 65.3%