poa_health_8-13

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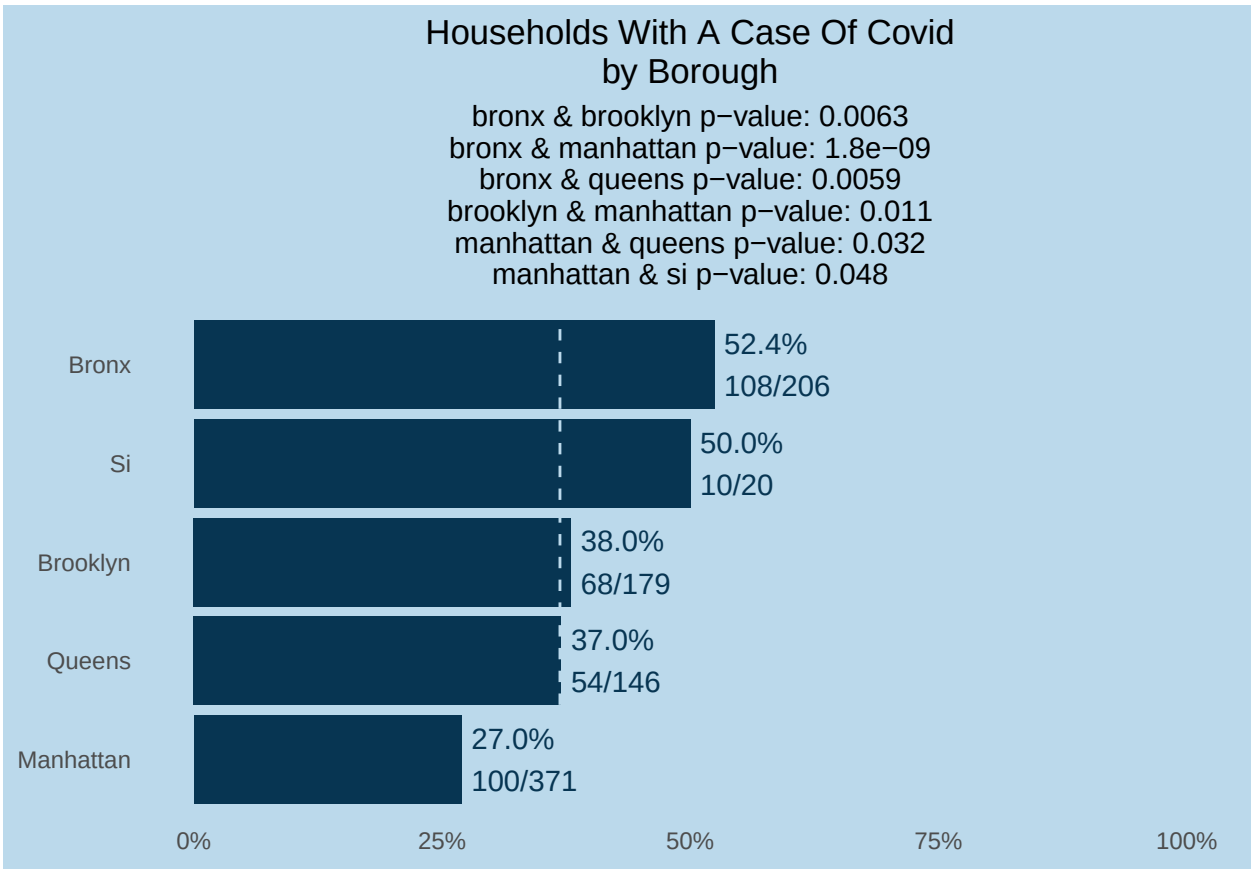
4.1)Households with a case of COVID-19 [31]

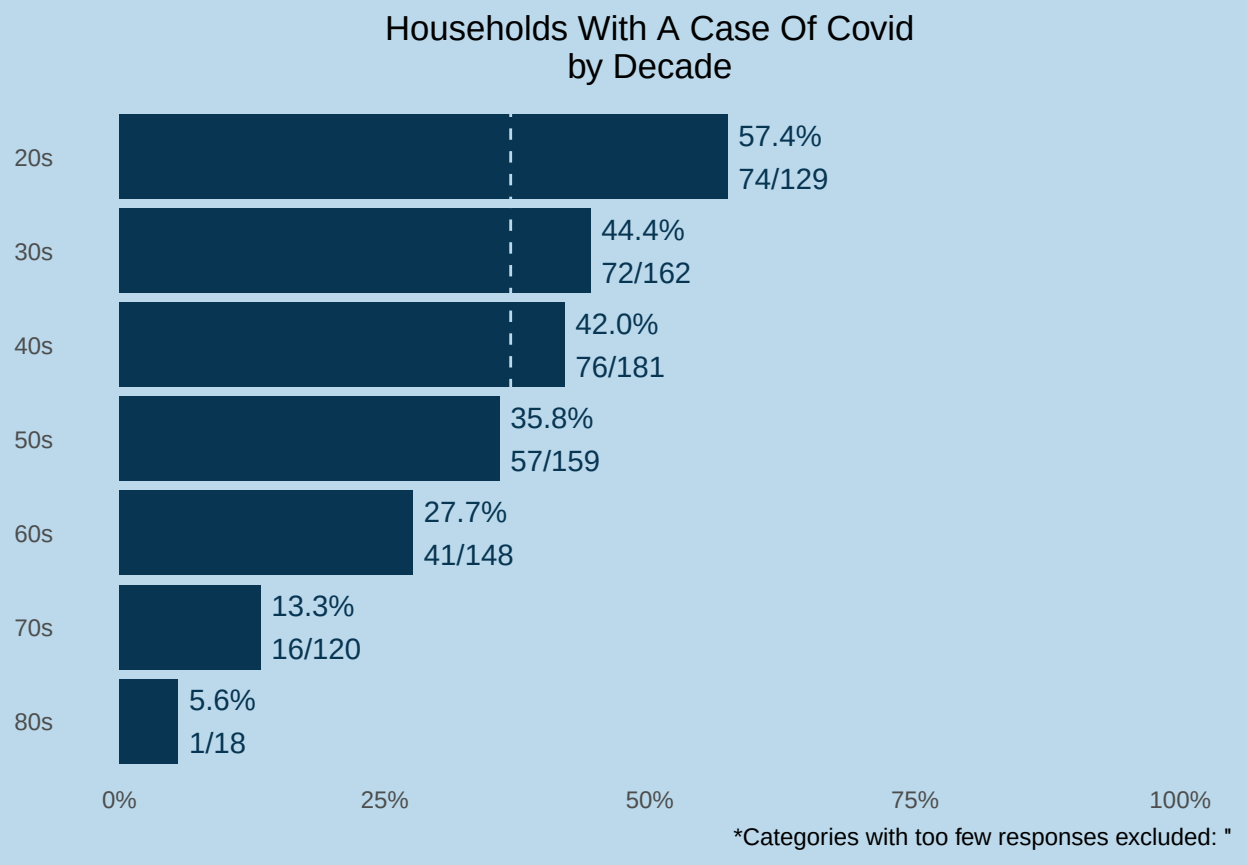
Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

```
plots <- make_plots(wrangled,
           by_vars = demographics, hyp_var = "posi_all", title = "Households with a case of COVID")
plots$decade <- plots$decade + labs(subtitle = NULL)
plots$race_census <- plots$race_census + labs(subtitle = NULL)
plots$sch_level_cat <- plots$sch_level_cat + labs(subtitle = NULL)
plots[c(-5, -13)]
```

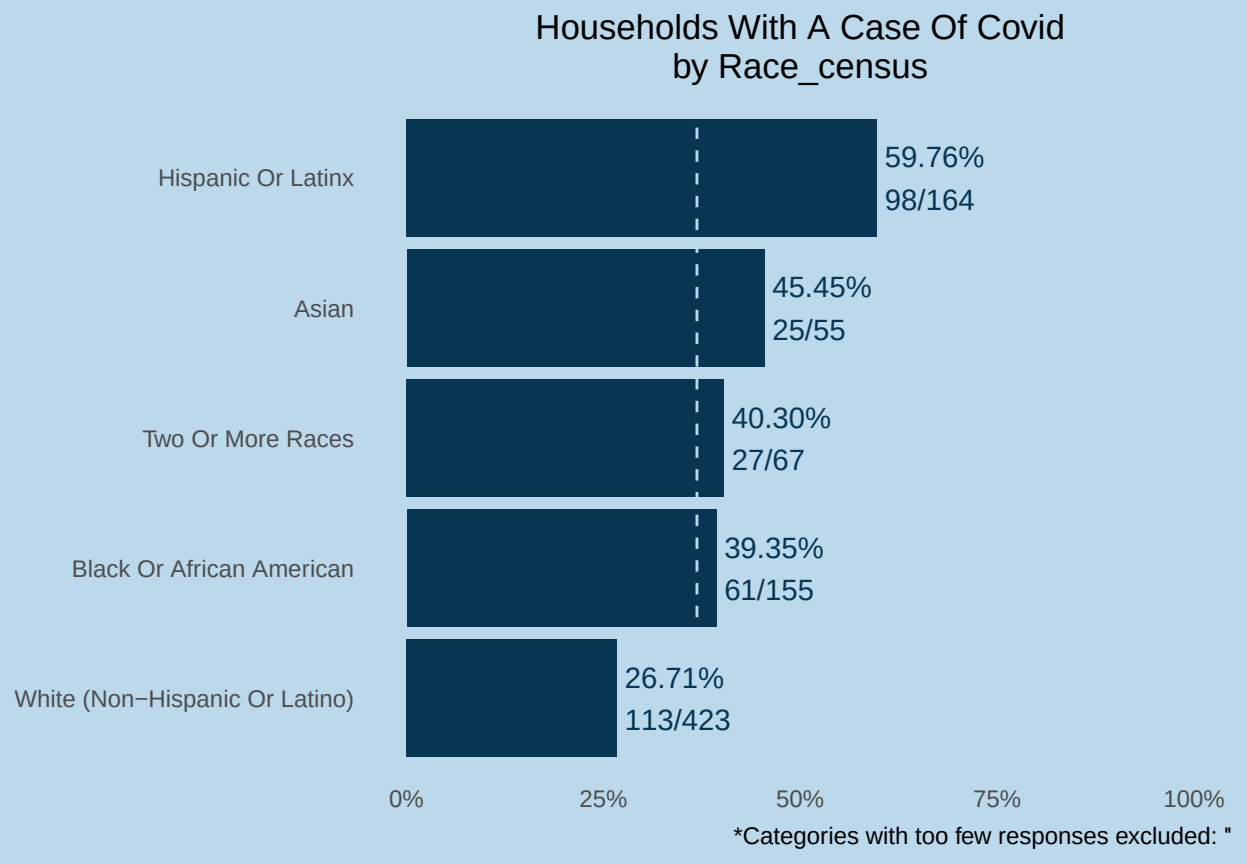
```
## $borough
```



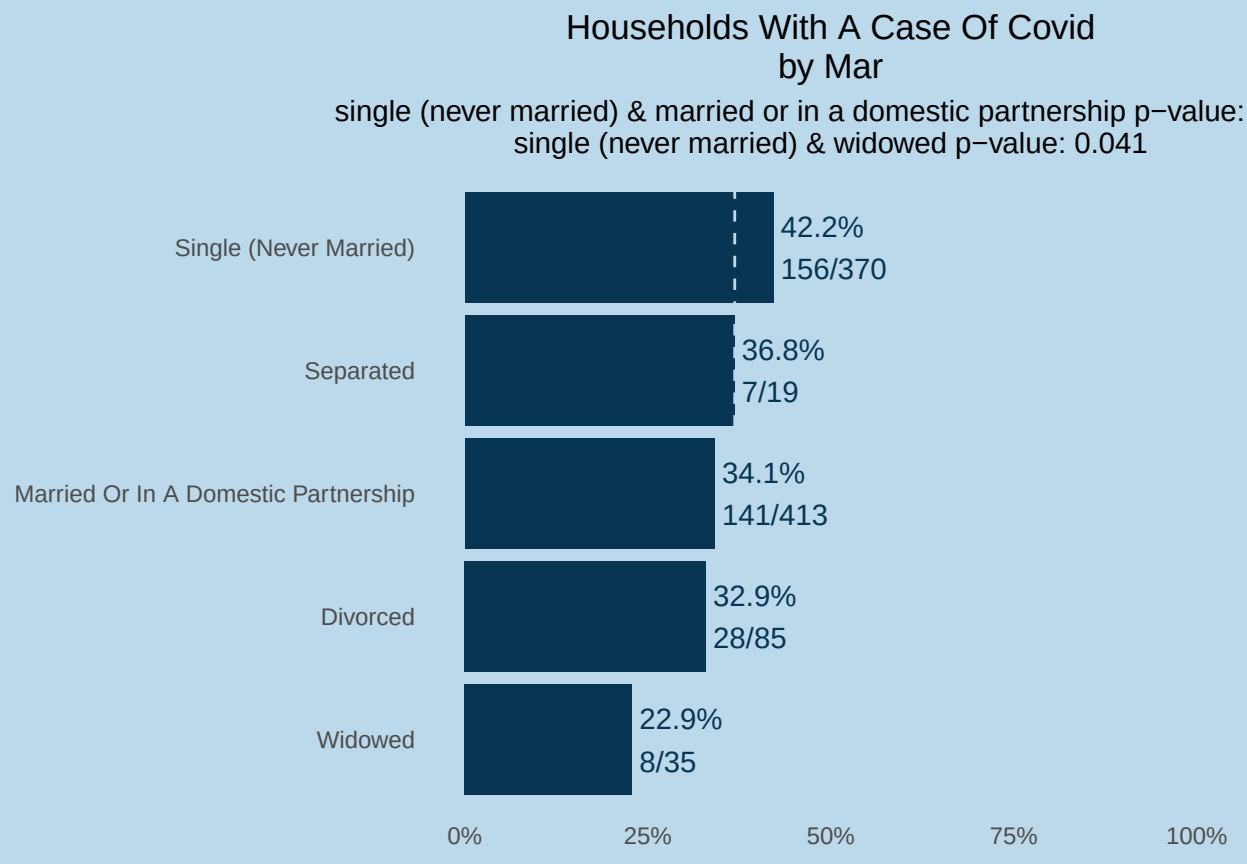
```
##
## $decade
```



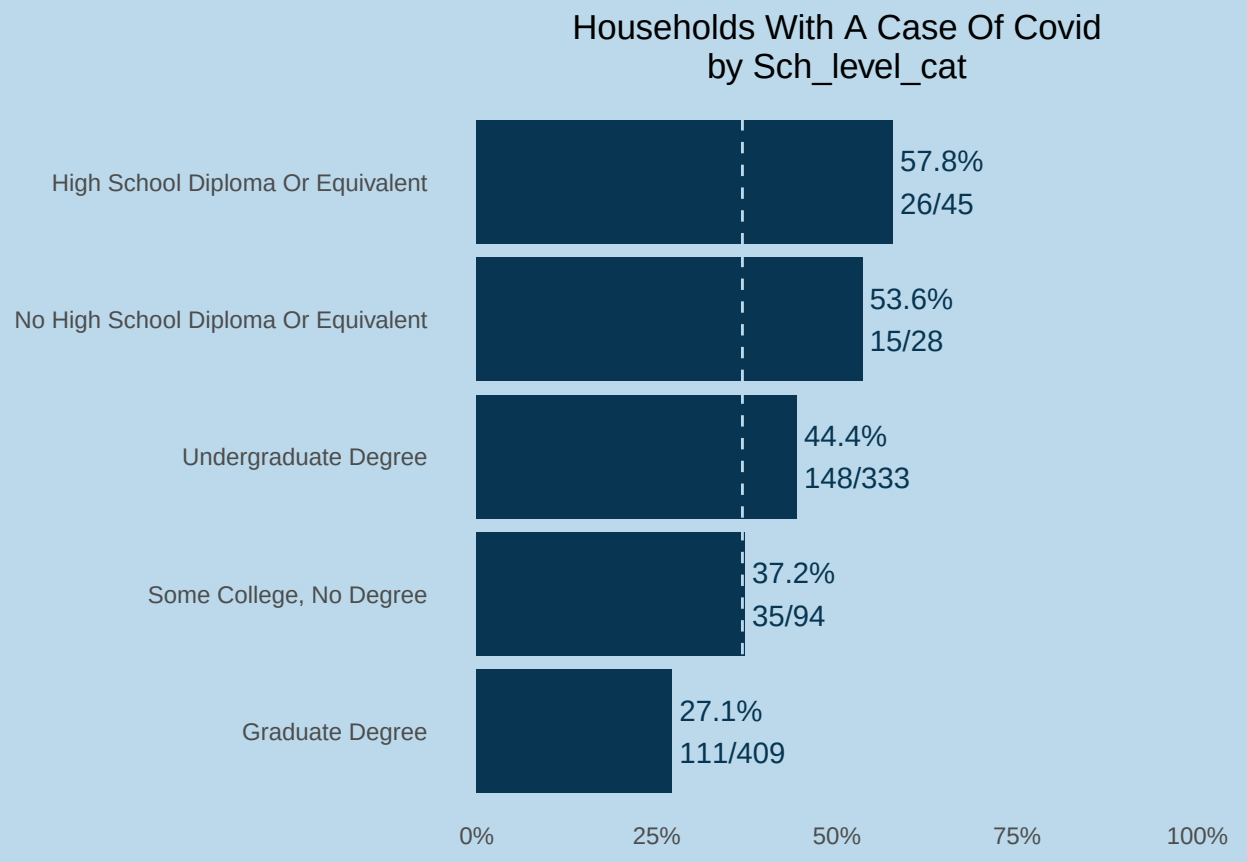

```
##
## $gen
## NULL
##
## $race_census
```


Households With A Case Of Covid
by Race_census
Hispanic Or Latinx
59.76%
98/164
Asian
45.45%
25/55
Two Or More Races
40.30%
27/67
Black Or African American
39.35%
61/155
White (Non−Hispanic Or Latino)
26.71%
113/423
0%
25%
50%
75%
100%
*Categories with too few responses excluded: "

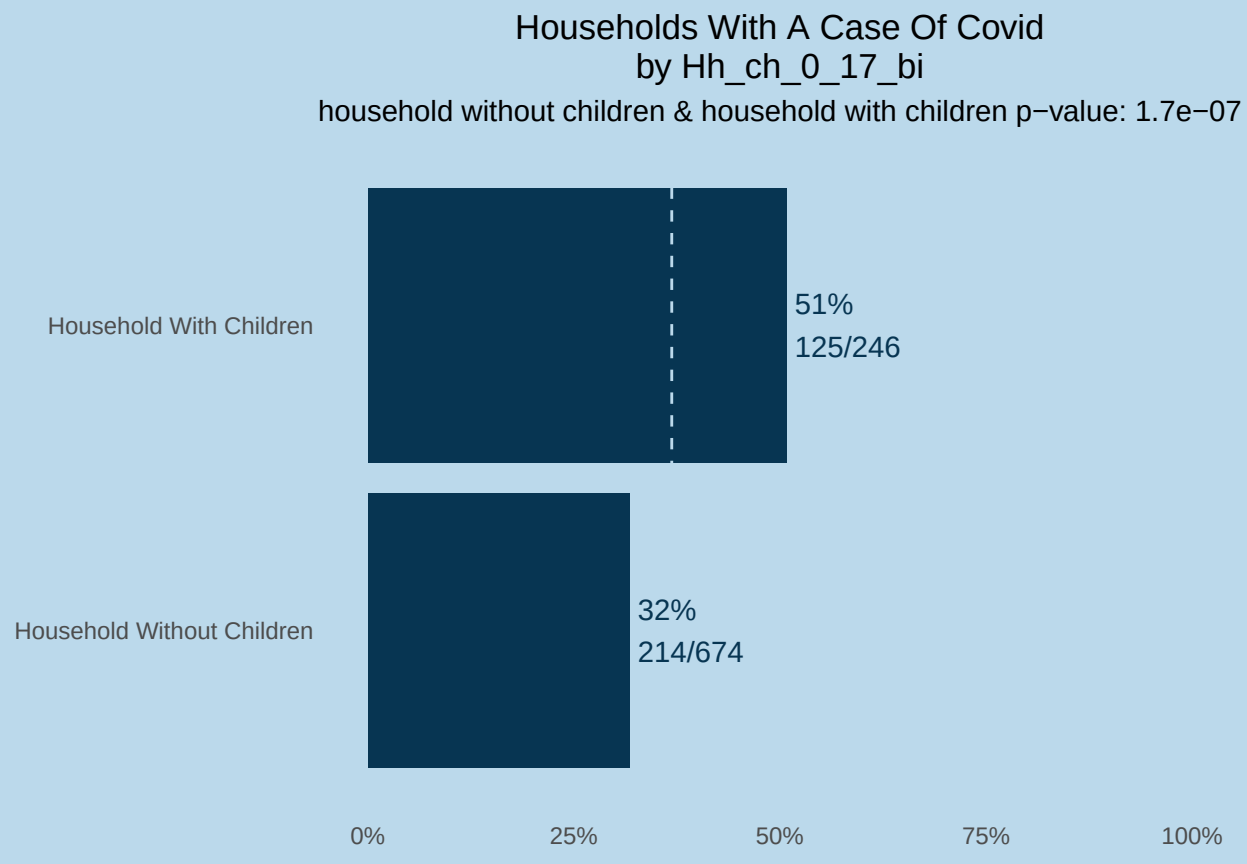
```
##
## $mar
```



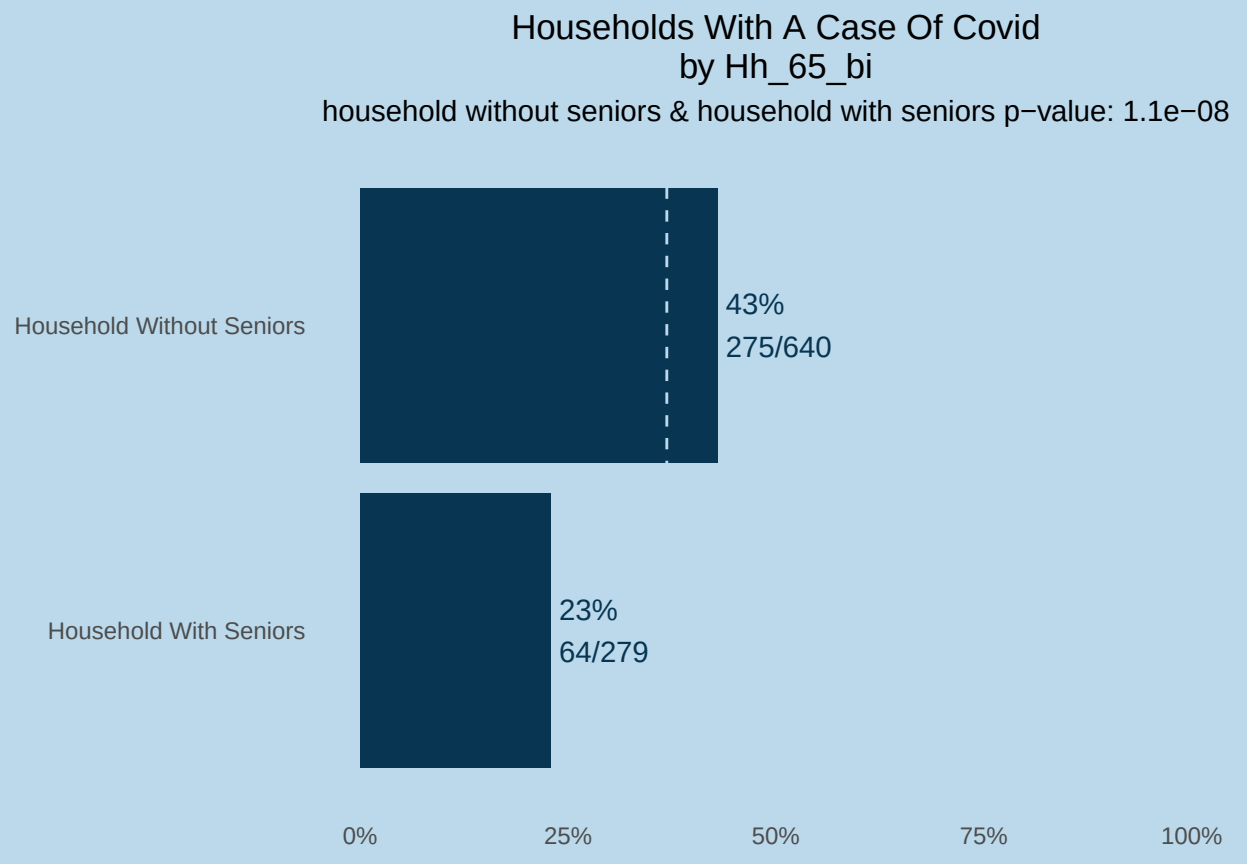

```
##
## $sch_level_cat
```


Households With A Case Of Covid
by Sch_level_cat
High School Diploma Or Equivalent
No High School Diploma Or Equivalent
Undergraduate Degree
Some College, No Degree
Graduate Degree
57.8%
26/45
53.6%
15/28
44.4%
148/333
37.2%
35/94
27.1%
111/409
0%
25%
50%
75%
100%

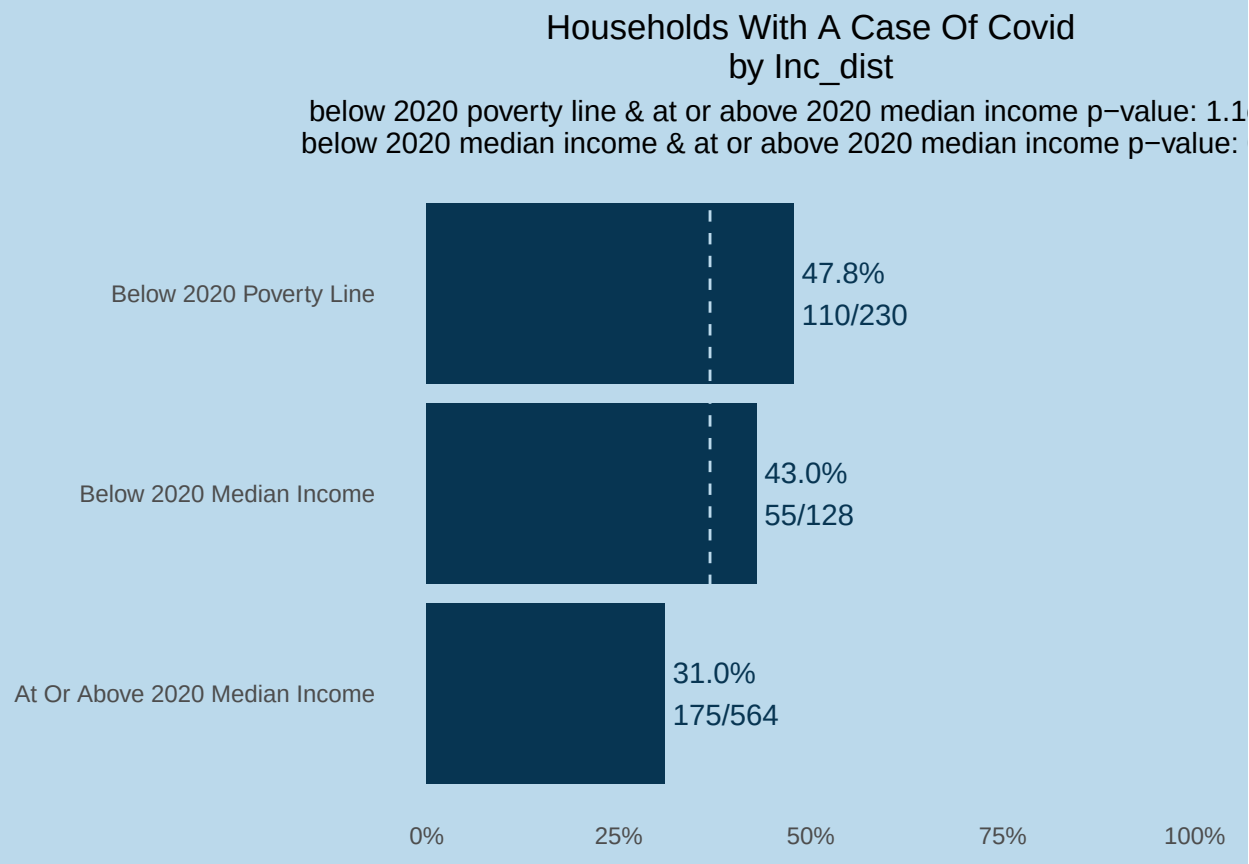
```
##
## $hh_ch_0_17_bi
```


Households With A Case Of Covid
by Hh_ch_0_17_bi
household without children & household with children p−value: 1.7e−07
Household With Children
51%
125/246
Household Without Children
32%
214/674
0%
25%
50%
75%
100%

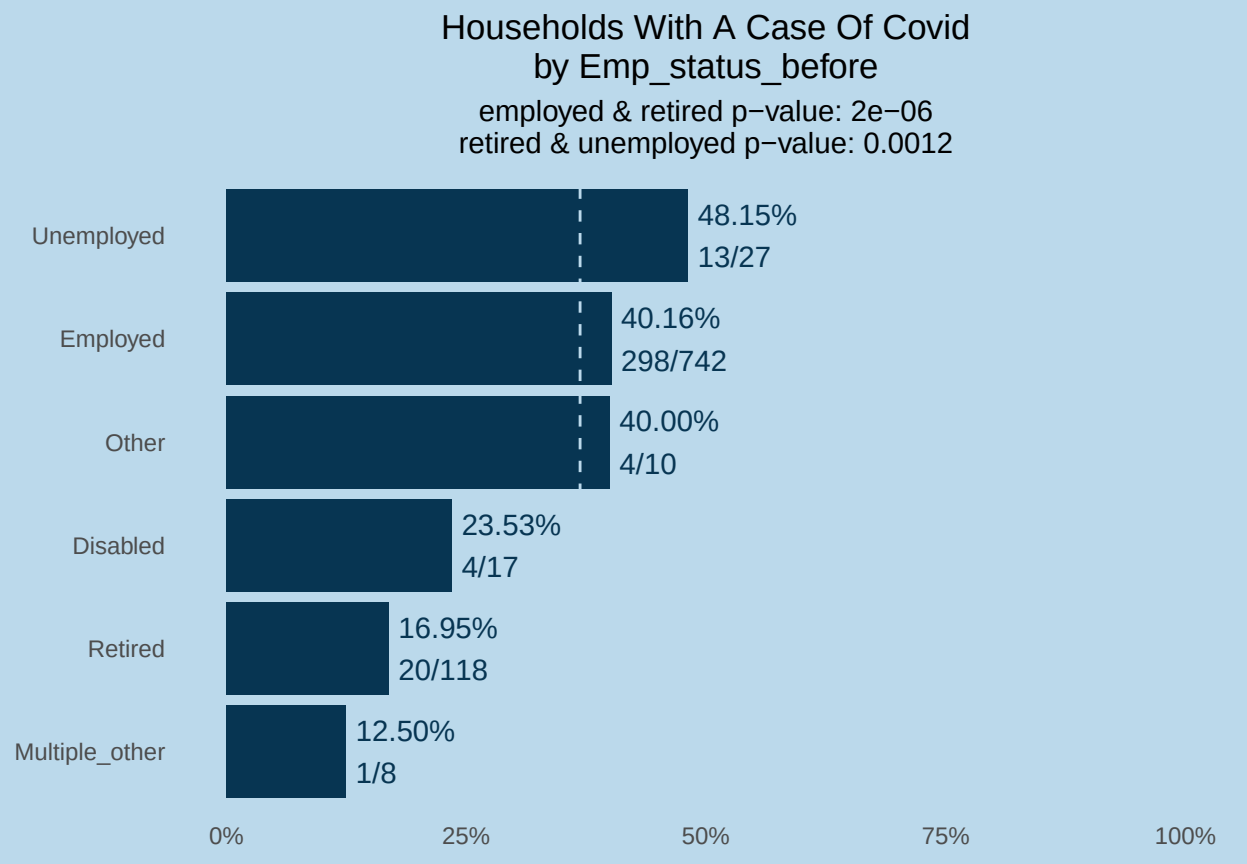
```
##
## $hh_65_bi
```


Households With A Case Of Covid
by Hh_65_bi
household without seniors & household with seniors p−value: 1.1e−08
Household Without Seniors
43%
275/640
Household With Seniors
23%
64/279
0%
25%
50%
75%
100%

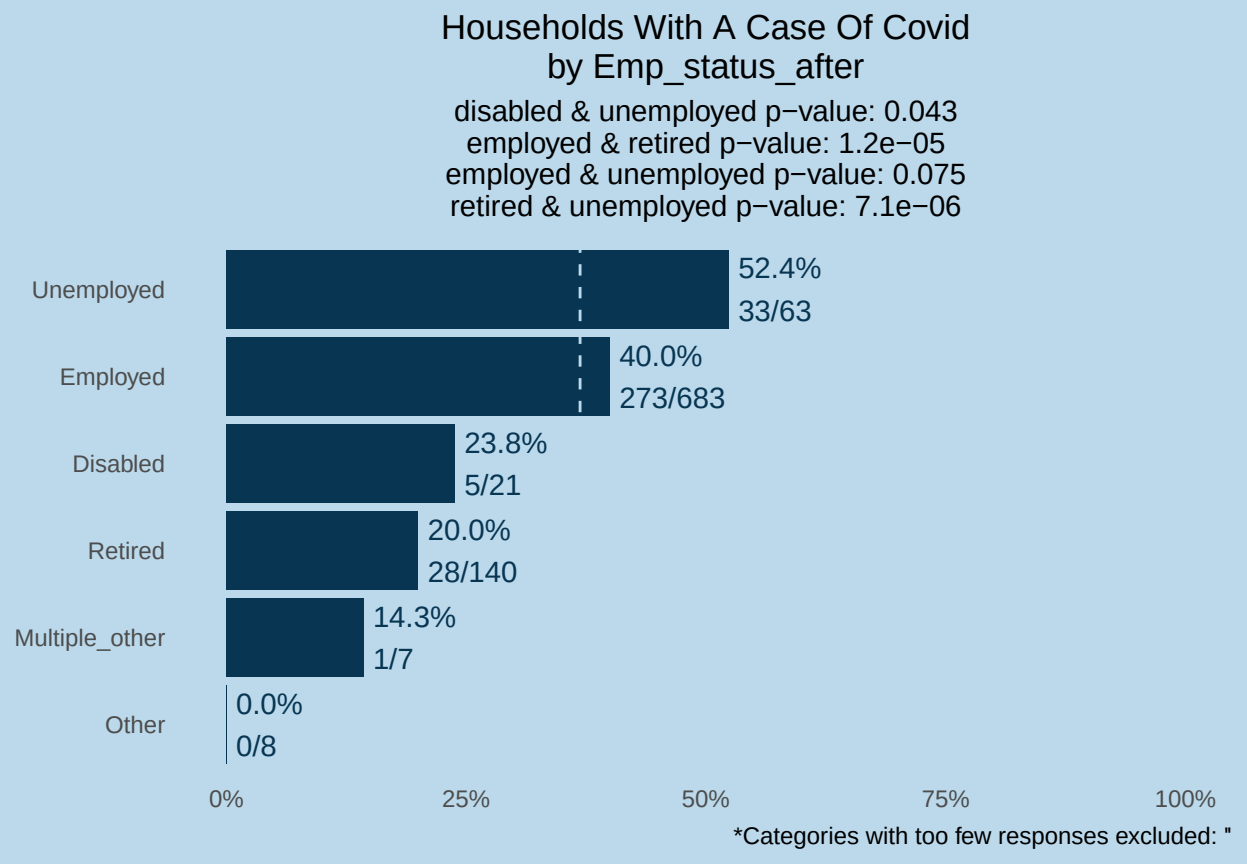
```
##
## $inc_dist
```




```
##
## $emp_status_before
```



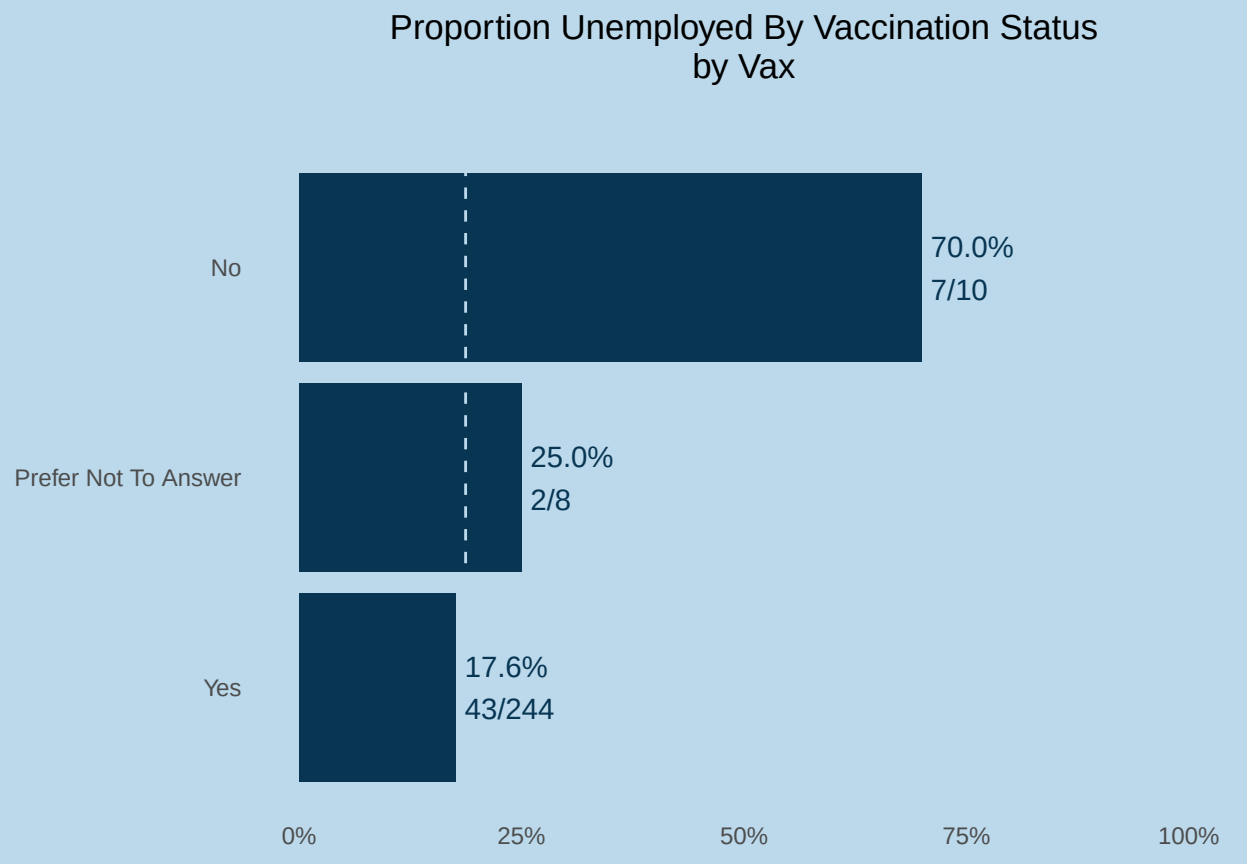

```
##
## $emp_status_after
```



how many unemployed only after and didn't get vaccinated?

```
make_plots(wrangled %>% filter(emp_change == 1), "vax", "emp_after_un", show = "yes", title = "Proportio
```

```
## $vax
```

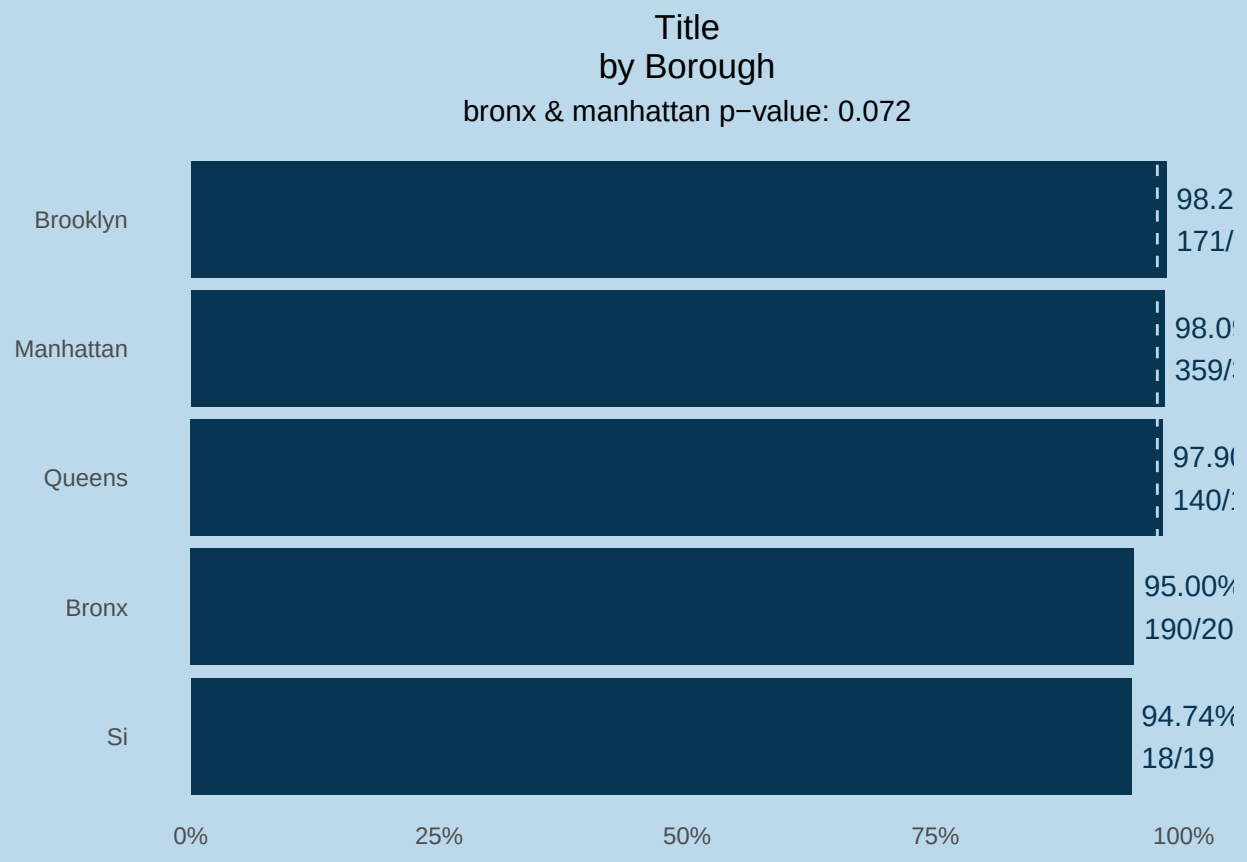


Individuals with a case of case of COVID-19 Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

4.2)People who have been vaccinated against COVID-19 [32] Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

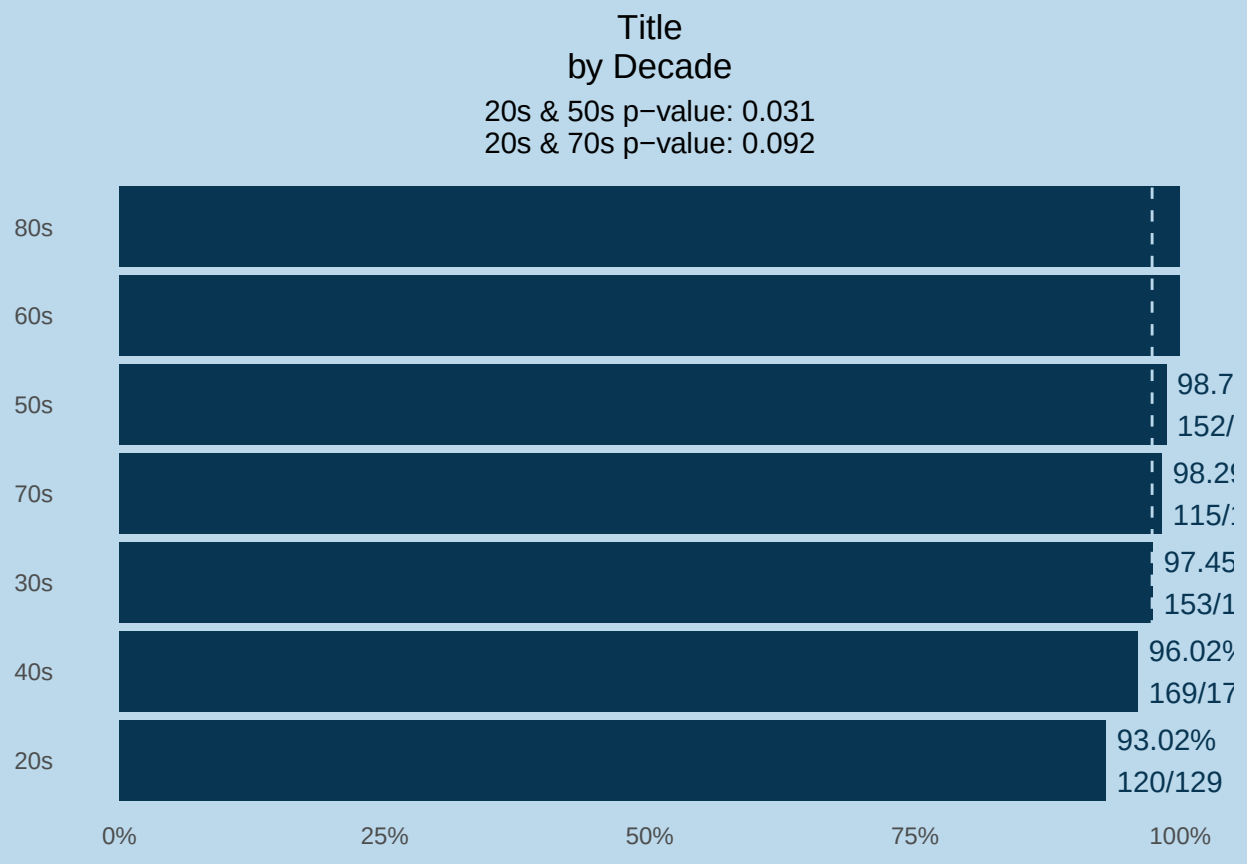
```
make_plots(wrangled, by_vars = demographics, hyp_var = "vax_bi")
```

```
## $borough
```



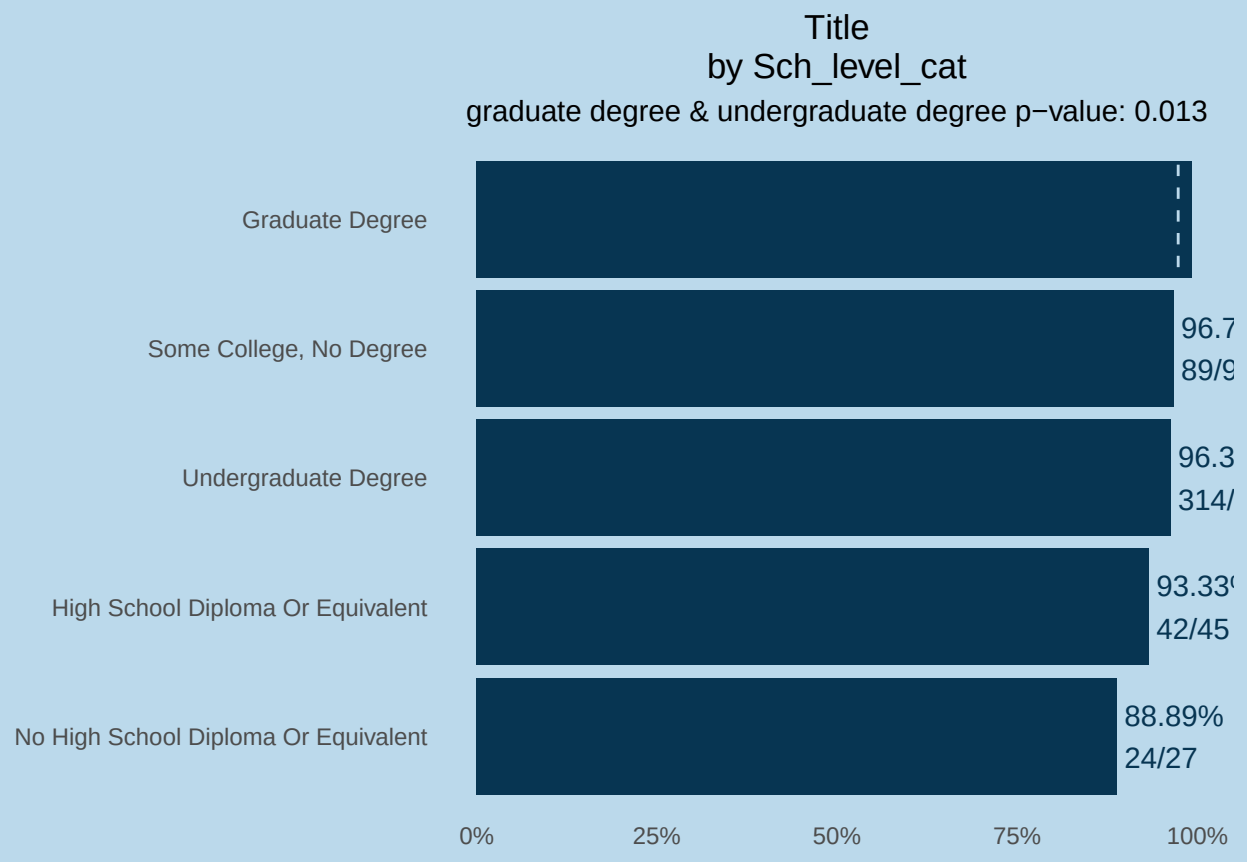

```
##
## $decade

## Warning: Removed 2 rows containing missing values (geom_text).
```

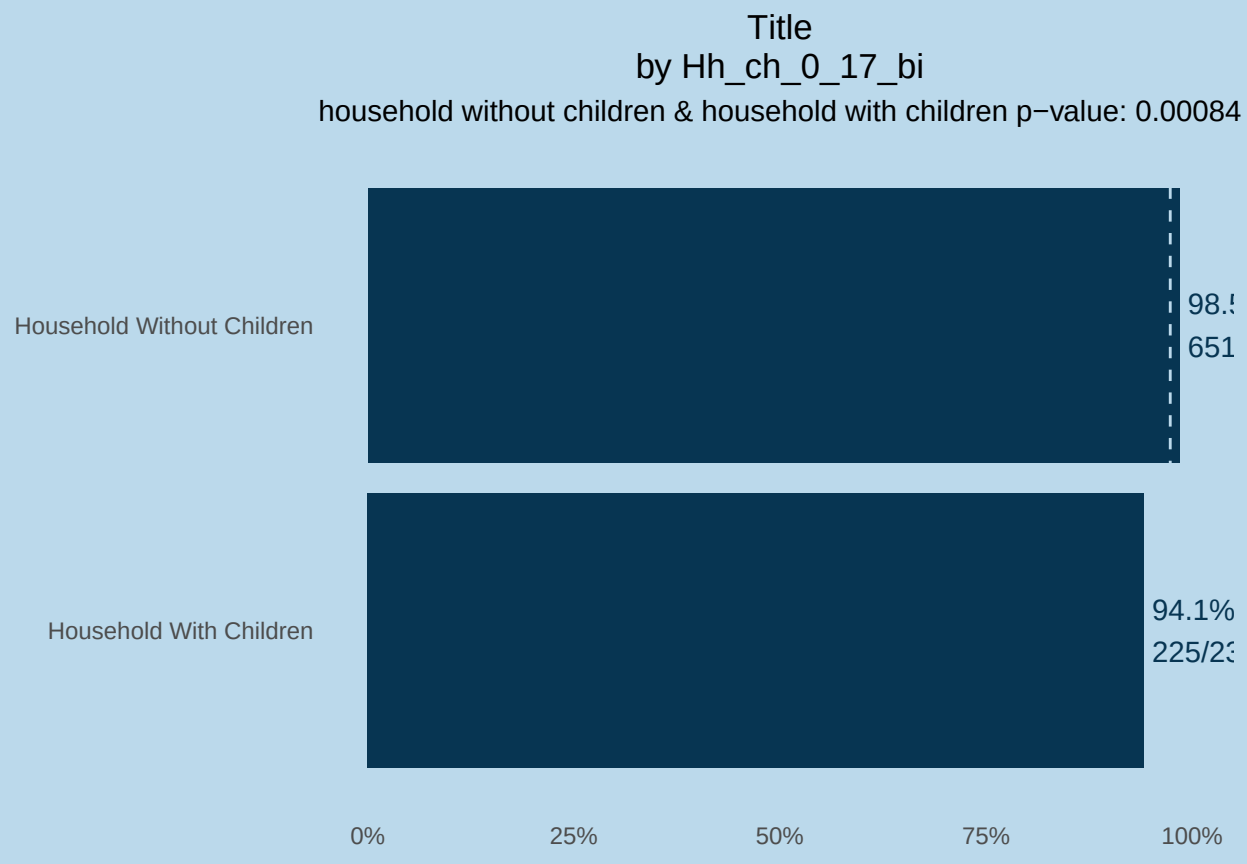



```
##
## $gen
## NULL
##
## $race_census
## NULL
##
## $not_eng
## NULL
##
## $mar
## NULL
##
## $sch_level_cat

## Warning: Removed 1 rows containing missing values (geom_text).
```

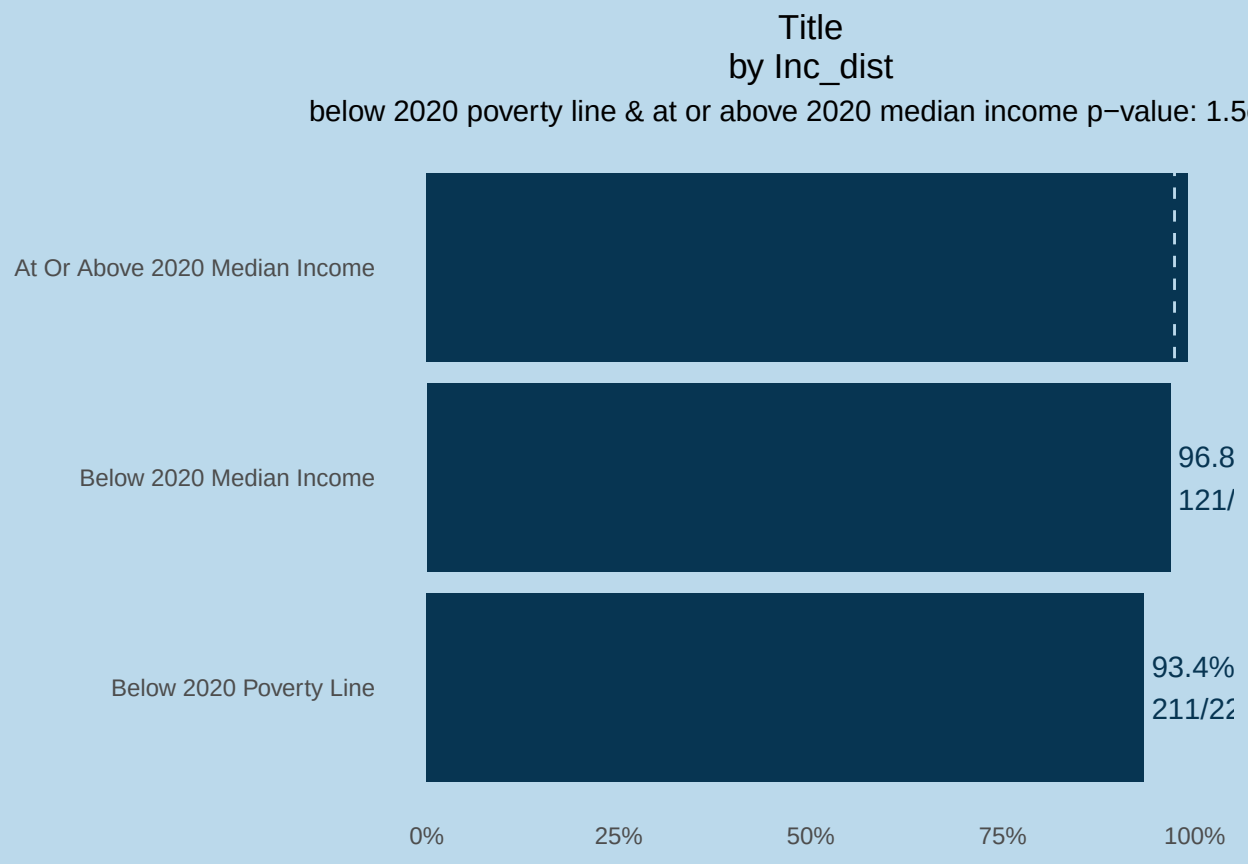

Title
by Sch_level_cat
graduate degree & undergraduate degree p−value: 0.013
Graduate Degree
Some College, No Degree
96.7
89/9
Undergraduate Degree
96.3
314/
High School Diploma Or Equivalent
93.33
42/45
No High School Diploma Or Equivalent
88.89%
24/27
0%
25%
50%
75%
100%

```
##
## $hh_ch_0_17_bi
```




```
##
## $hh_65_bi
## NULL
##
## $inc_dist

## Warning: Removed 1 rows containing missing values (geom_text).
```




```
##
## $emp_status_before
## NULL
##
## $emp_status_after
## NULL
##
## $res_cat
## NULL
```

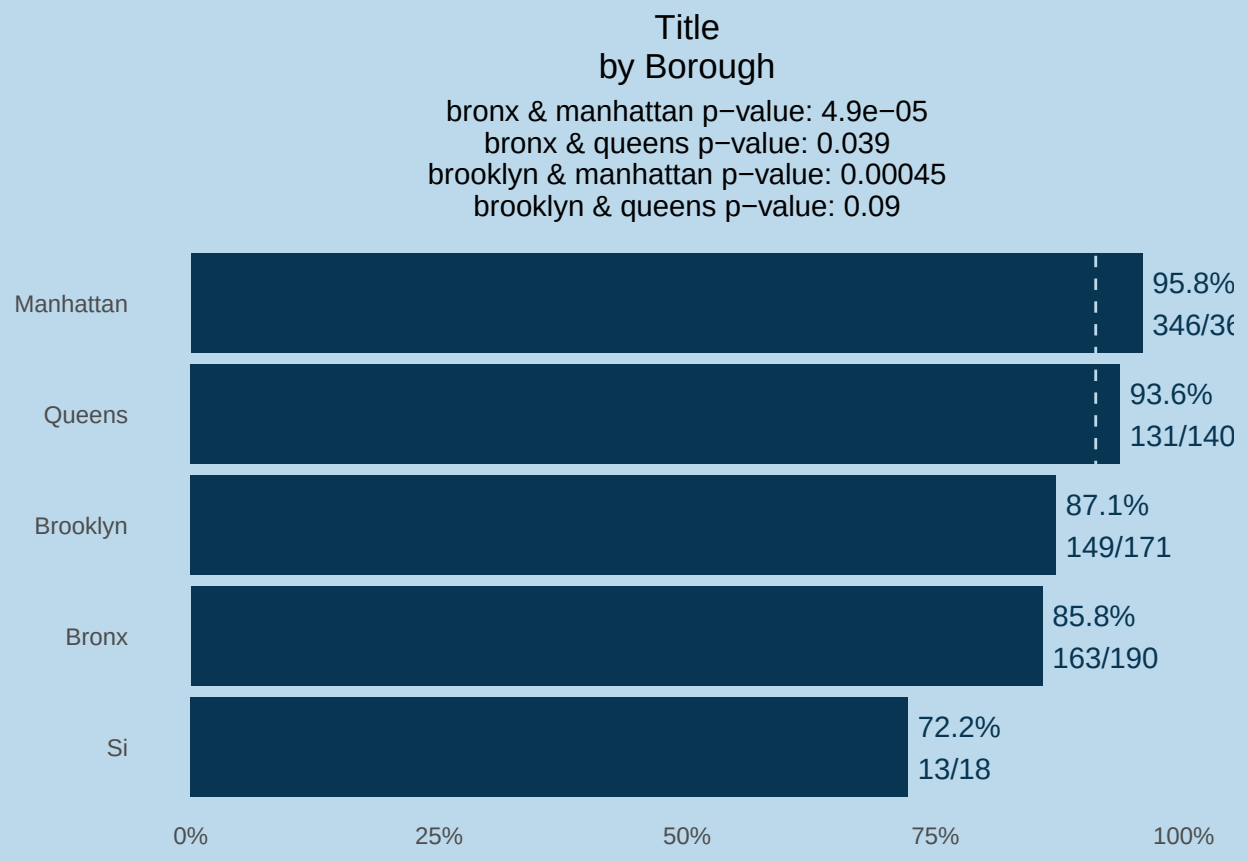
4.3)People who have received a booster vaccine dose [38] Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

```
mean(wrangled$boost_bi, na.rm = TRUE)
```

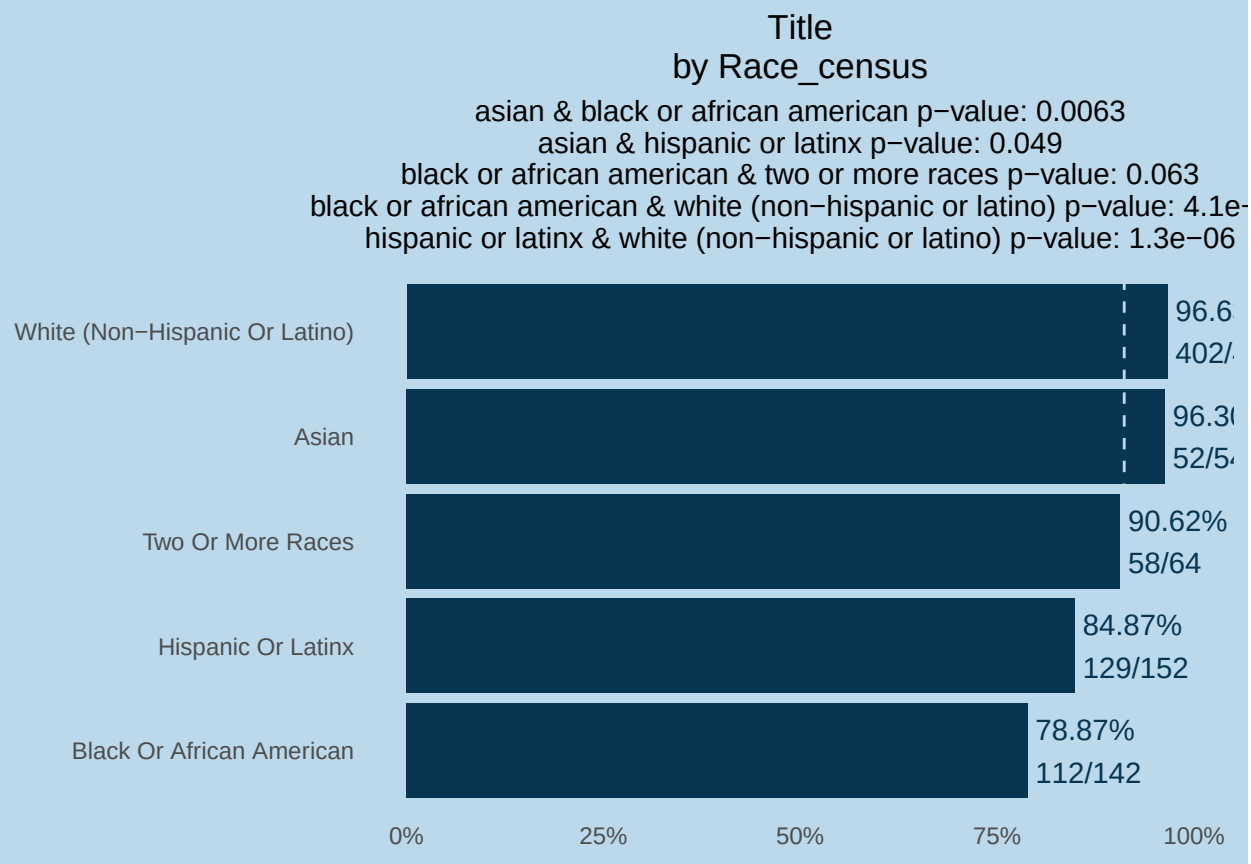
```
## [1] 0.9113636
```

```
make_plots(wrangled, demographics, "boost_bi")[
  c("borough", "race_census", "not_eng", "sch_level_cat", "inc_dist", "emp_status_after", "res_cat")]
```

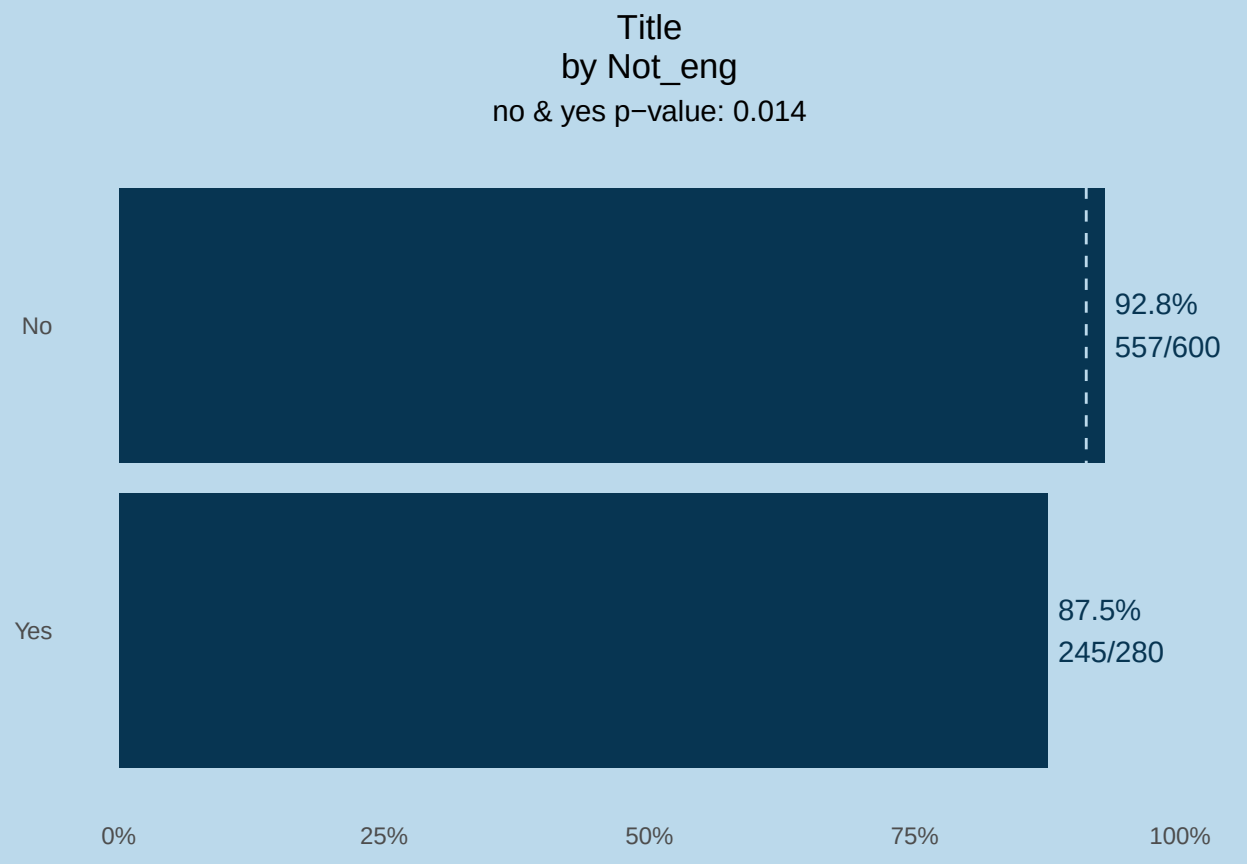
```
## $borough
```


Title
by Borough
bronx & manhattan p−value: 4.9e−05
bronx & queens p−value: 0.039
brooklyn & manhattan p−value: 0.00045
brooklyn & queens p−value: 0.09
Manhattan
Queens
Brooklyn
Bronx
Si
95.8%
346/36
93.6%
131/140
87.1%
149/171
85.8%
163/190
72.2%
13/18
0%
25%
50%
75%
100%

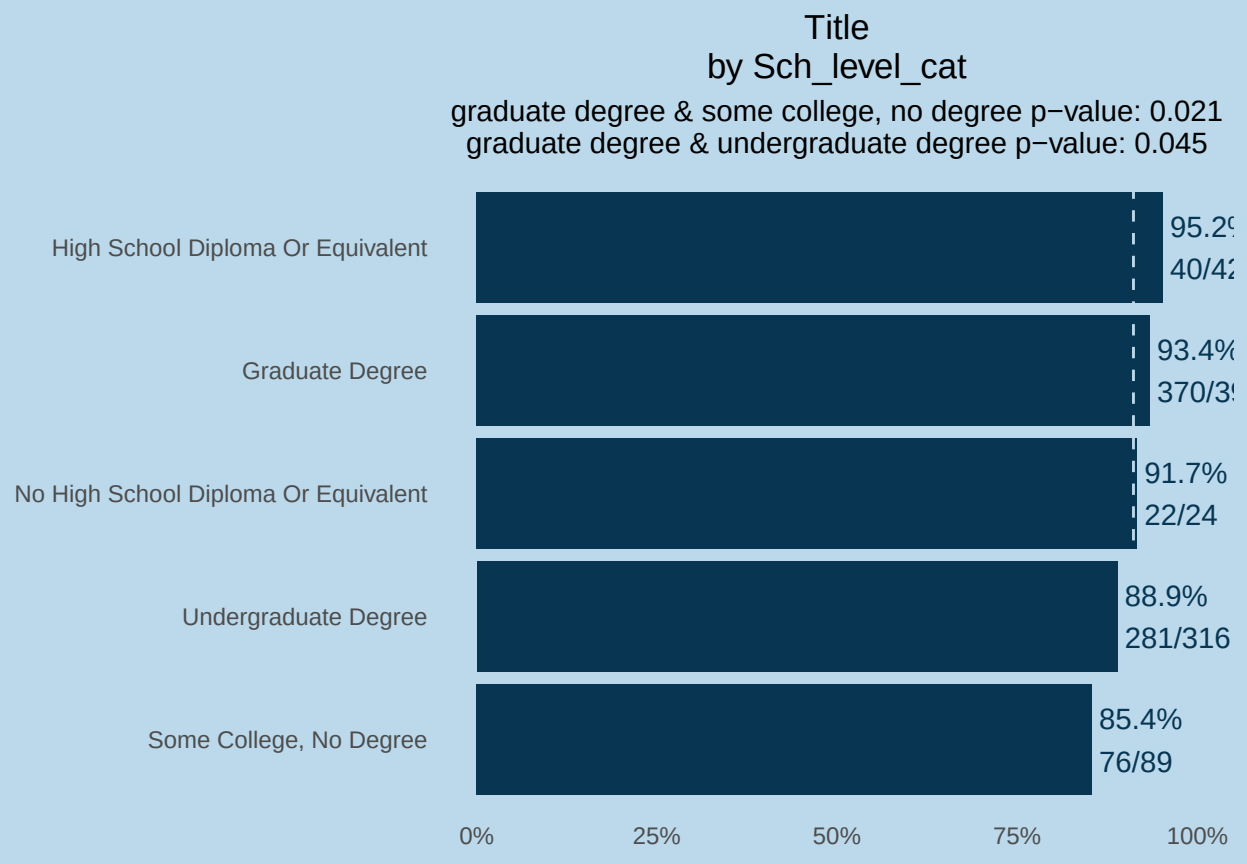
```
##
## $race_census
```


Title
by Race_census
asian & black or african american p−value: 0.0063
asian & hispanic or latinx p−value: 0.049
black or african american & two or more races p−value: 0.063
black or african american & white (non−hispanic or latino) p−value: 4.1e-
hispanic or latinx & white (non−hispanic or latino) p−value: 1.3e−06
White (Non−Hispanic Or Latino)
96.6
402/
Asian
96.3(
52/5
Two Or More Races
90.62%
58/64
Hispanic Or Latinx
84.87%
129/152
Black Or African American
78.87%
112/142
0%
25%
50%
75%
100%

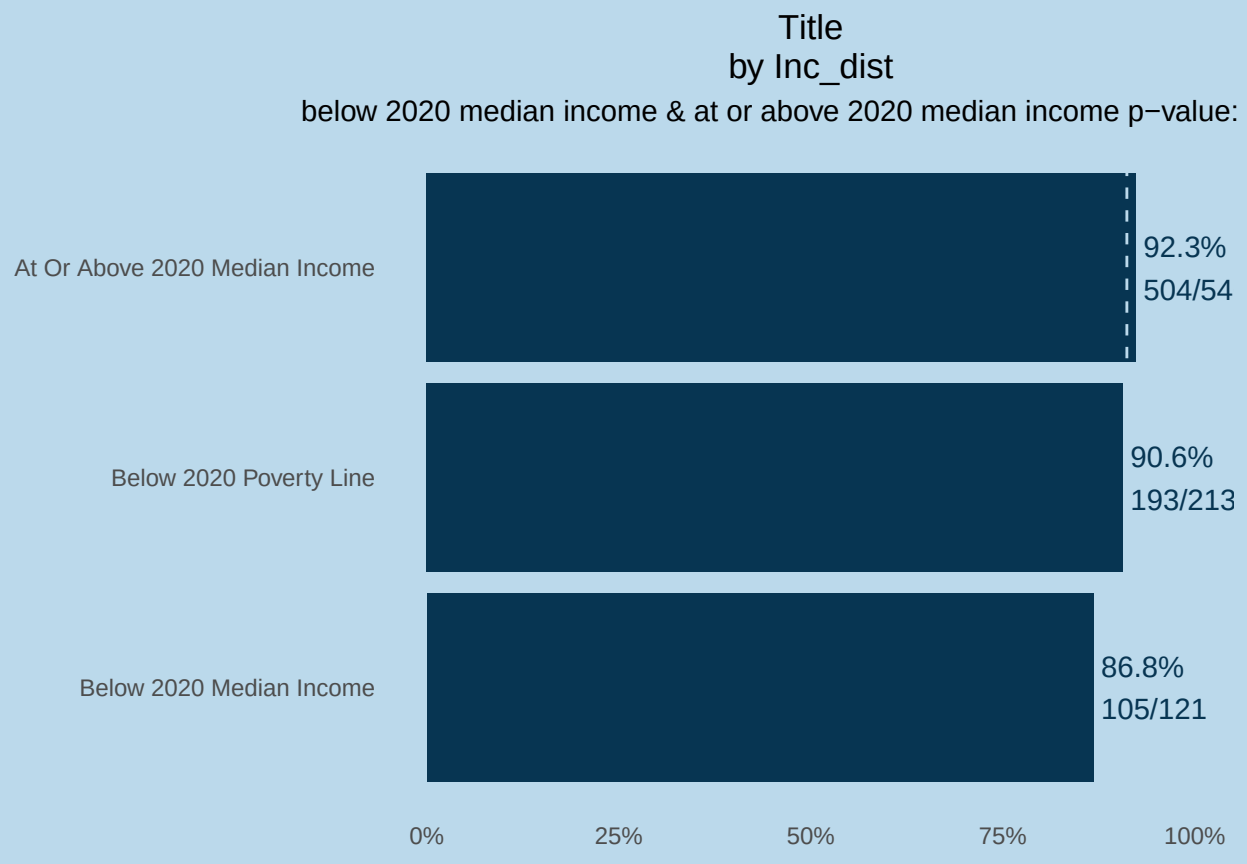
```
##
## $not_eng
```




```
##
## $sch_level_cat
```

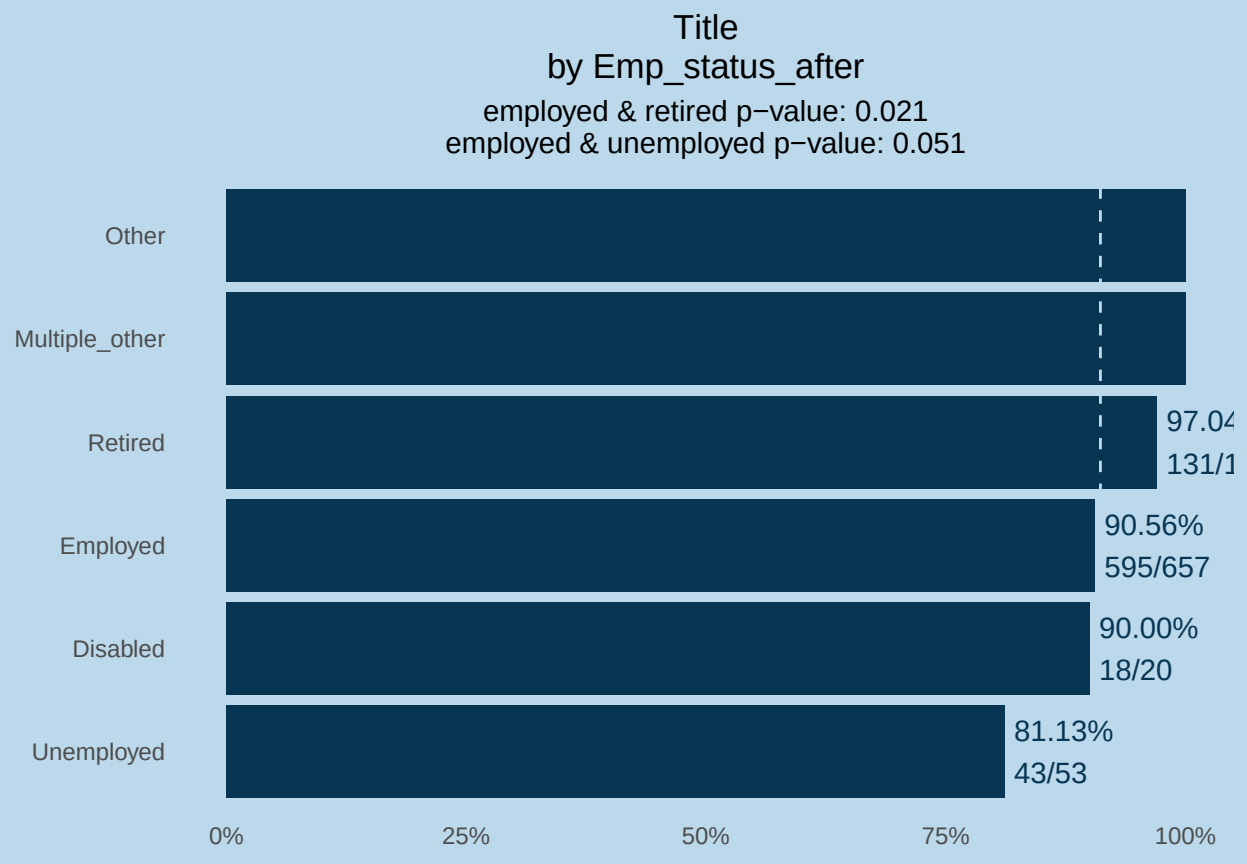

Title
by Sch_level_cat
graduate degree & some college, no degree p−value: 0.021
graduate degree & undergraduate degree p−value: 0.045
High School Diploma Or Equivalent
Graduate Degree
No High School Diploma Or Equivalent
Undergraduate Degree
Some College, No Degree
95.2
40/4
93.4%
370/3
91.7%
22/24
88.9%
281/316
85.4%
76/89
0%
25%
50%
75%
100%

```
##
## $inc_dist
```

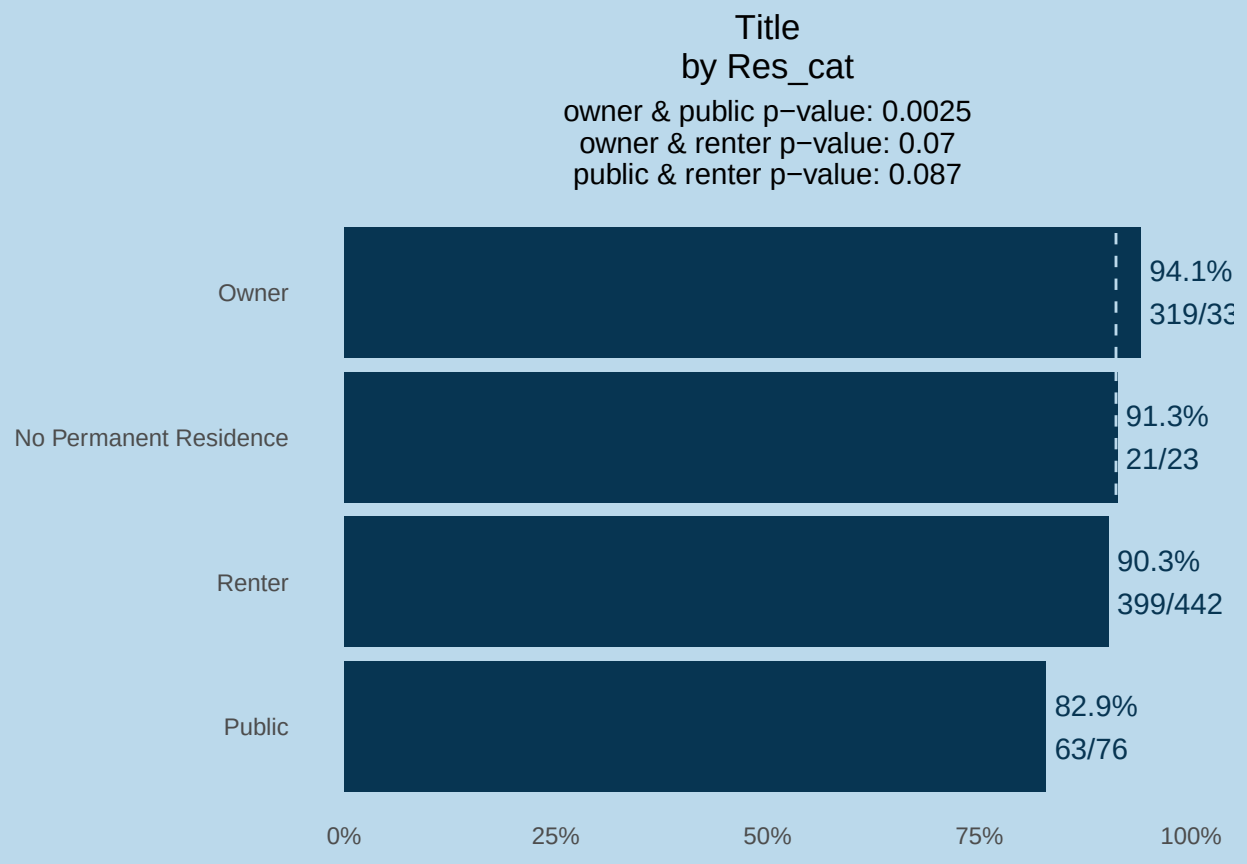



```
##
## $emp_status_after

## Warning: Removed 2 rows containing missing values (geom_text).
```

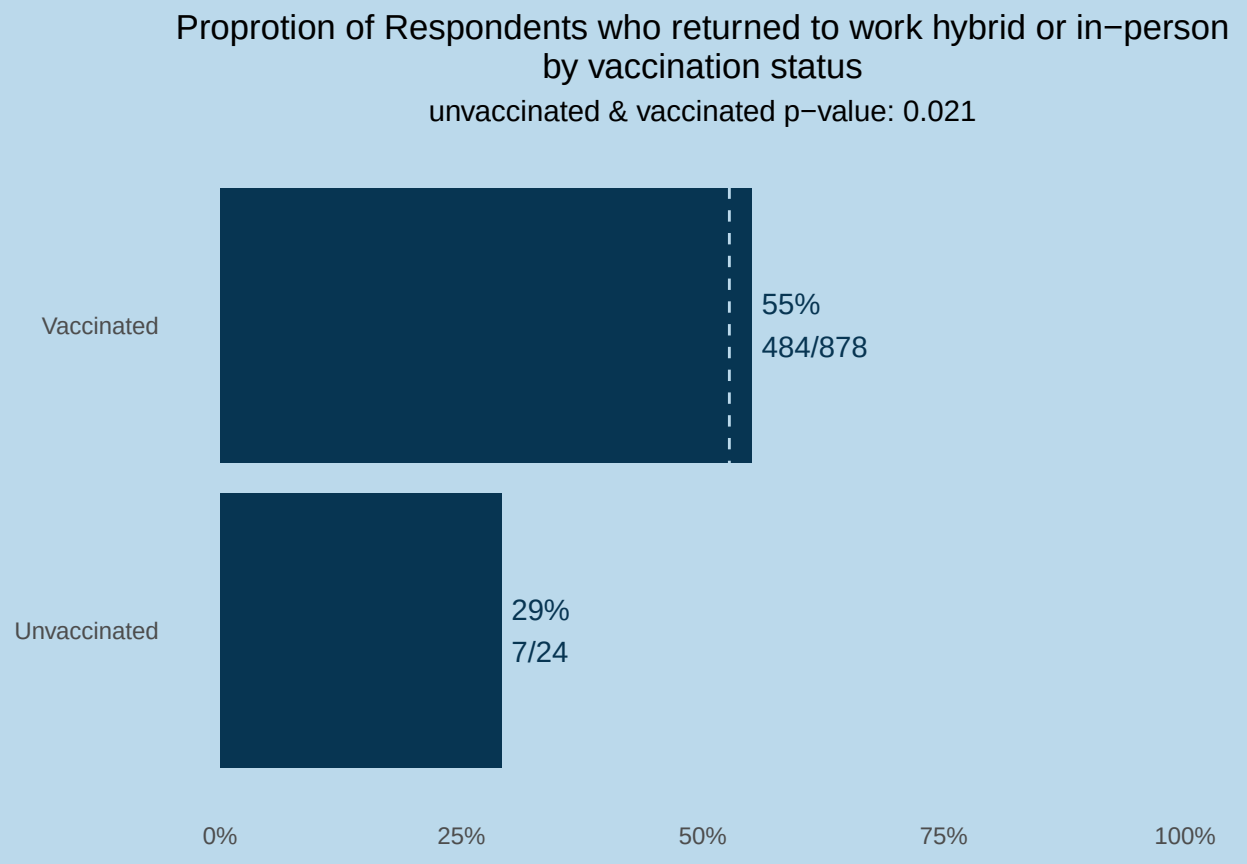

Title
by Emp_status_after
employed & retired p−value: 0.021
employed & unemployed p−value: 0.051
Other
Multiple_other
Retired
Employed
Disabled
Unemployed
97.04
131/1
90.56%
595/657
90.00%
18/20
81.13%
43/53
0%
25%
50%
75%
100%

```
##
## $res_cat
```



4.4)People who returned to work in person are more likely to be vaccinated against COVID-19 Find respondents who returned to work in person or hybrid [20] Find proportion of subset who reported being at least partially vaccinated against COVID-19 [32] Find proportion not in subset who reported being at least partially vaccinated against COVID-19 and compare (test unequal proportions)

```
make_plots(wrangled, by_vars = "vax_bi", hyp_var = "wrk_in")$vax + ggtitle("Proprotion of Respondents wl
```



4.5)People who ranked the government response as average or above average were more likely to be vaccinated against COVID-19 Find respondents who rated the government response as average, good, or excellent [33] Find proportion of subset who reported being at least partially vaccinated against COVID-19 [32] Find proportion not in subset who reported being at least partially vaccinated against COVID-19 and compare (test unequal proportions)

Findings: nope

```
make_plots(wrangled, "rate_gov_good", "vax_bi")
```

```
## $rate_gov_good
## NULL
```

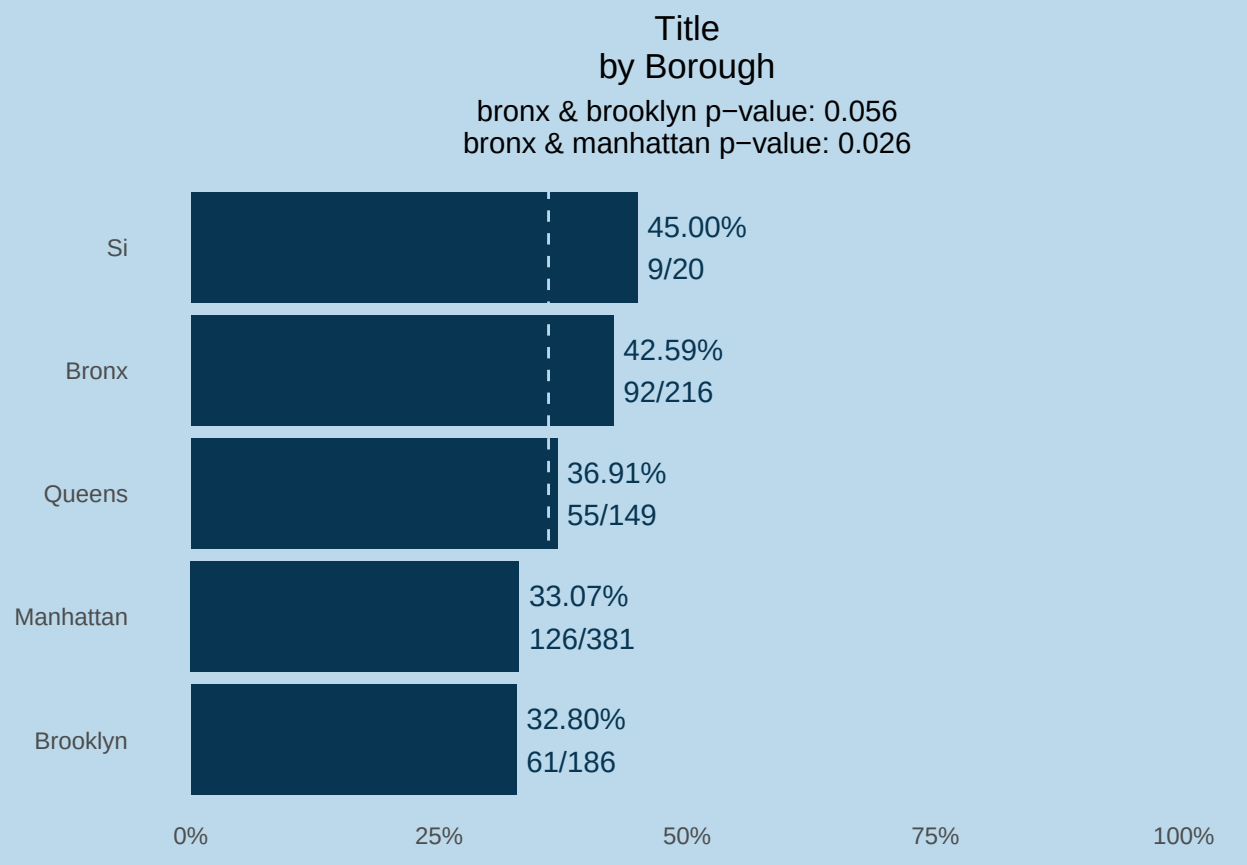
4.7)People who have been discriminated against or are worried about discrimination due to COVID-19 [37] Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

```
mean(wrangled$discrim_bi, na.rm = TRUE)
```

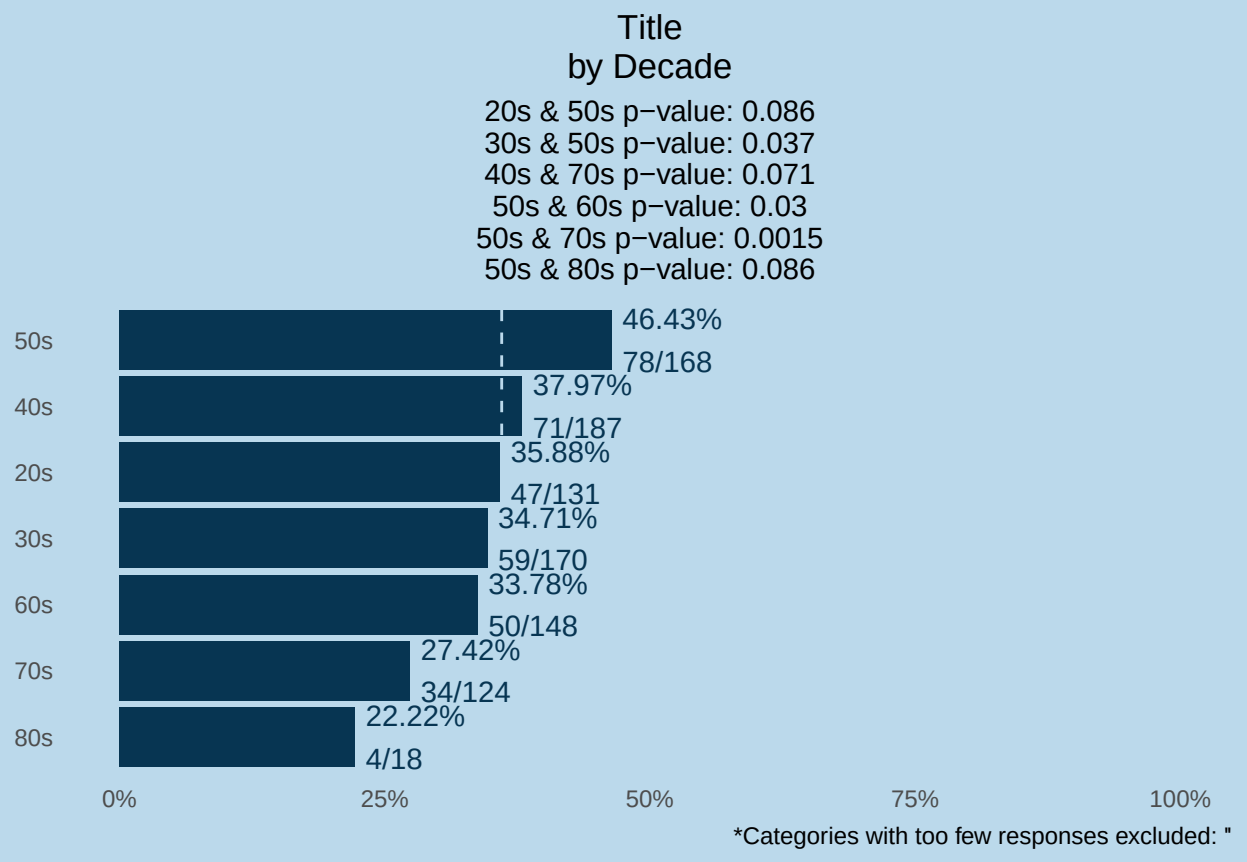
```
## [1] 0.3602941
```

```
plots <- make_plots(wrangled, demographics, "discrim_bi", min = 10)
plots$race_census <- plots$race_census + labs(subtitle = NULL)
plots
```

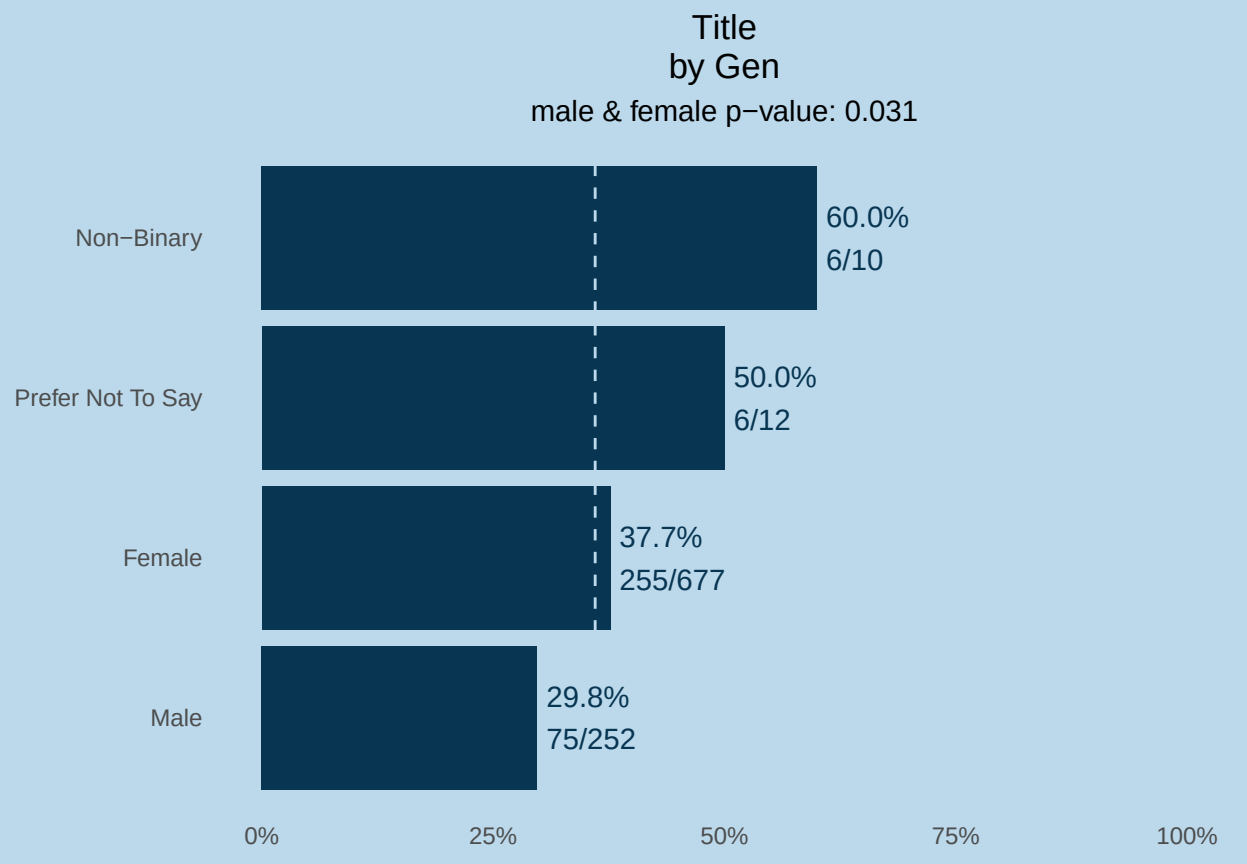
```
## $borough
```



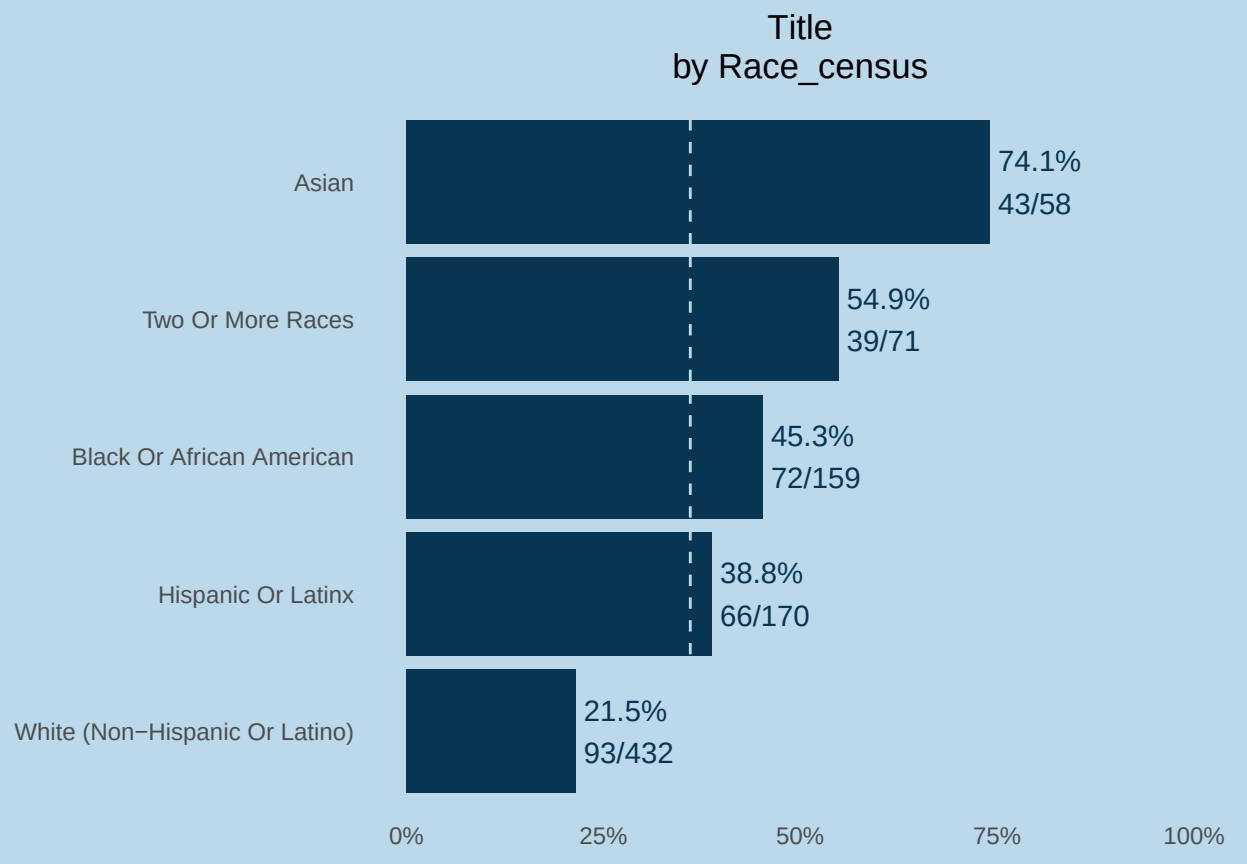

```
##
## $decade
```


Title
by Decade
20s & 50s p−value: 0.086
30s & 50s p−value: 0.037
40s & 70s p−value: 0.071
50s & 60s p−value: 0.03
50s & 70s p−value: 0.0015
50s & 80s p−value: 0.086
50s
40s
20s
30s
60s
70s
80s
46.43%
78/168
37.97%
71/187
35.88%
47/131
34.71%
59/170
33.78%
50/148
27.42%
34/124
22.22%
4/18
0%
25%
50%
75%
100%
*Categories with too few responses excluded: "

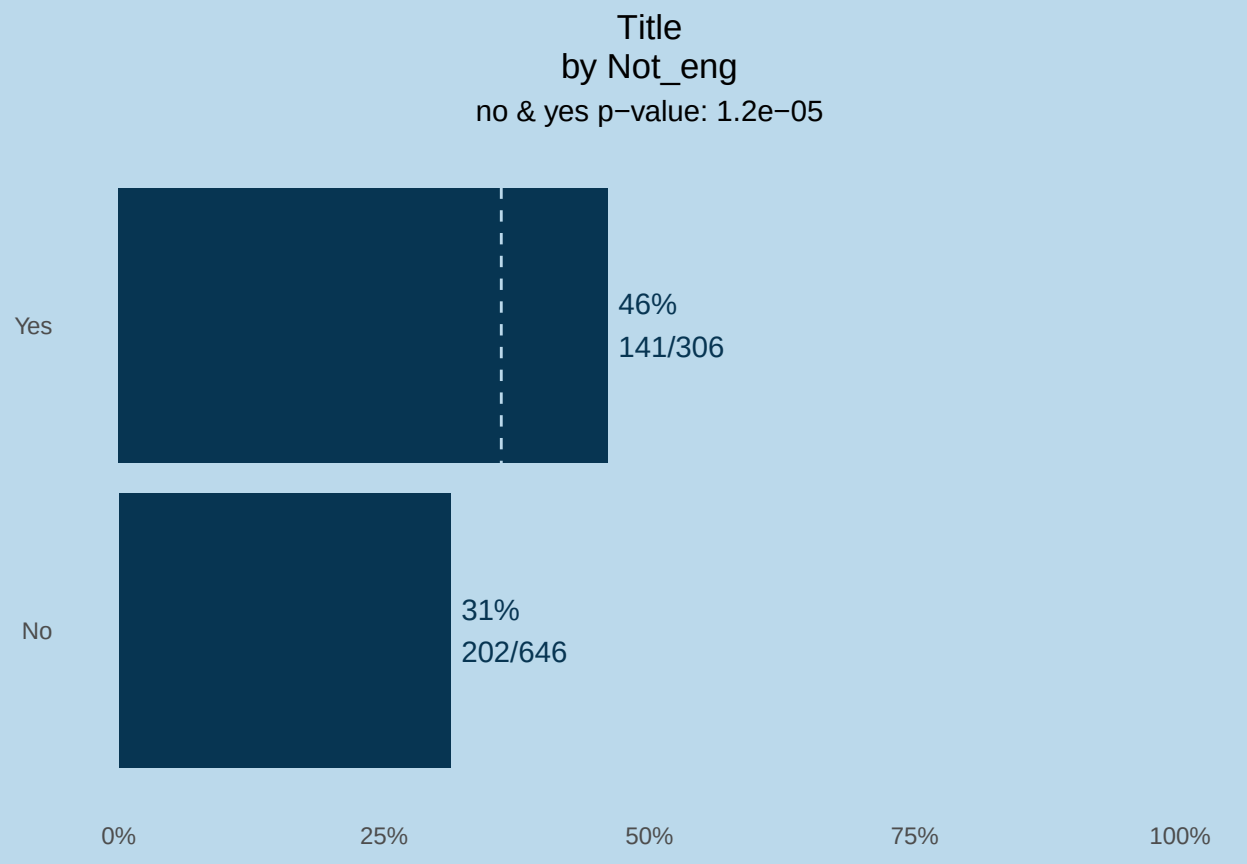
```
##
## $gen
```


Title
by Gen
male & female p−value: 0.031
Non−Binary
Prefer Not To Say
Female
Male
60.0%
6/10
50.0%
6/12
37.7%
255/677
29.8%
75/252
0%
25%
50%
75%
100%

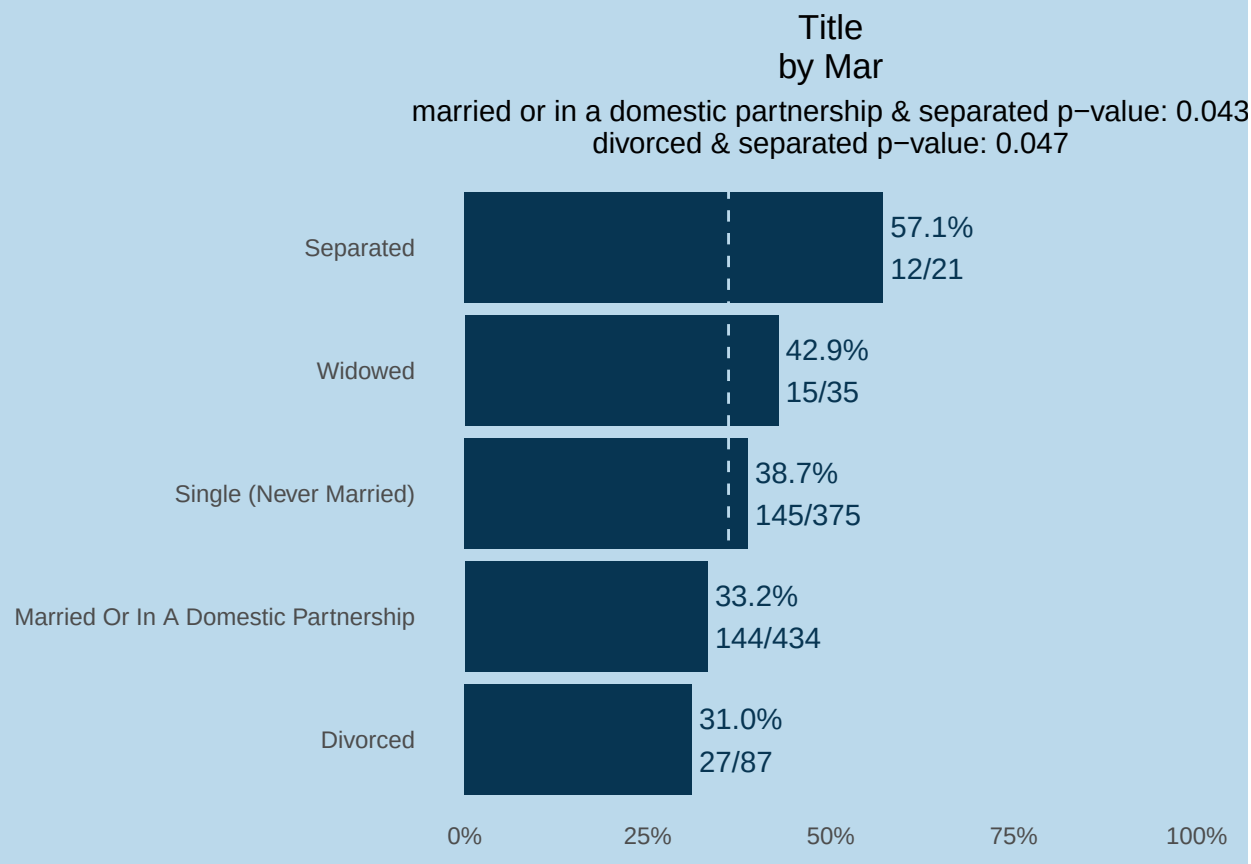
```
##
## $race_census
```


Title
by Race_census
Asian
Two Or More Races
Black Or African American
Hispanic Or Latinx
White (Non−Hispanic Or Latino)
74.1%
43/58
54.9%
39/71
45.3%
72/159
38.8%
66/170
21.5%
93/432
0%
25%
50%
75%
100%

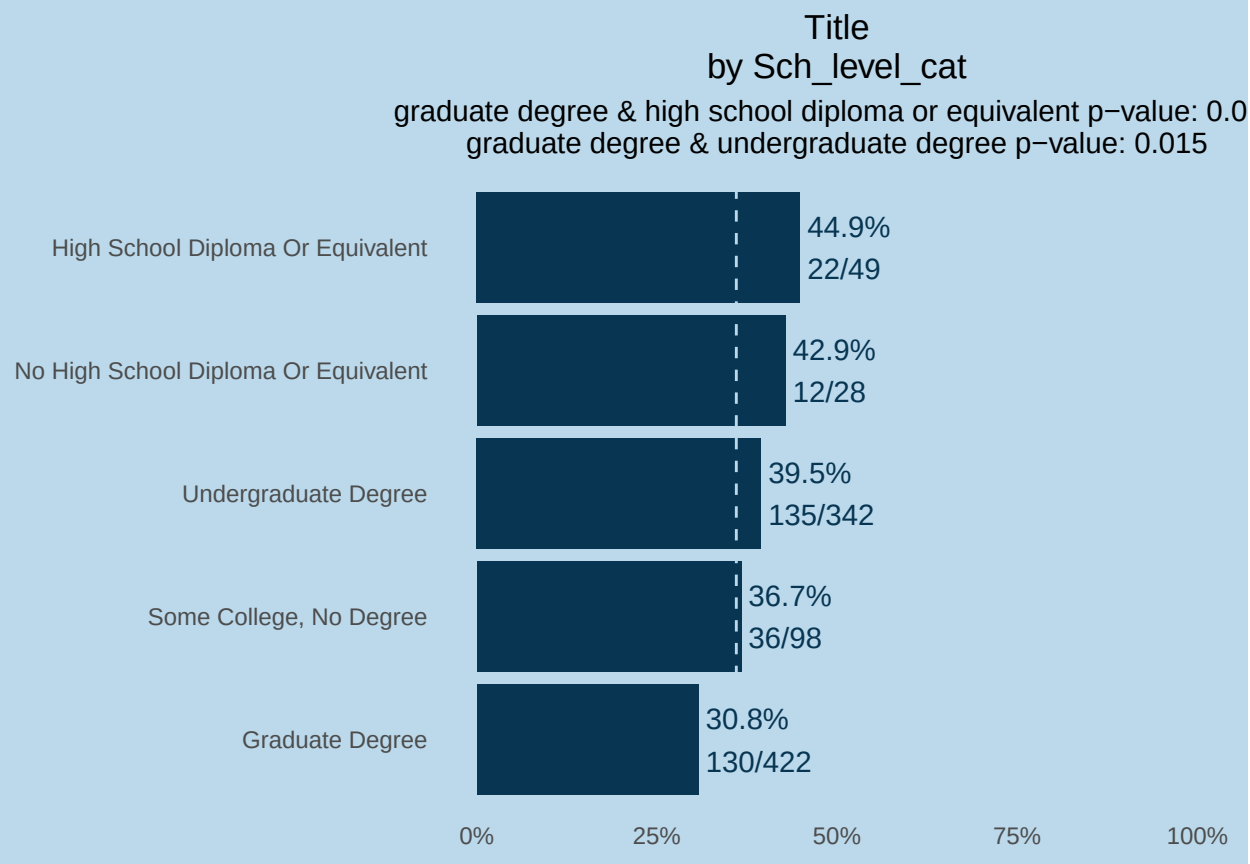
```
##
## $not_eng
```


Title
by Not_eng
no & yes p−value: 1.2e−05
Yes
No
46%
141/306
31%
202/646
0%
25%
50%
75%
100%

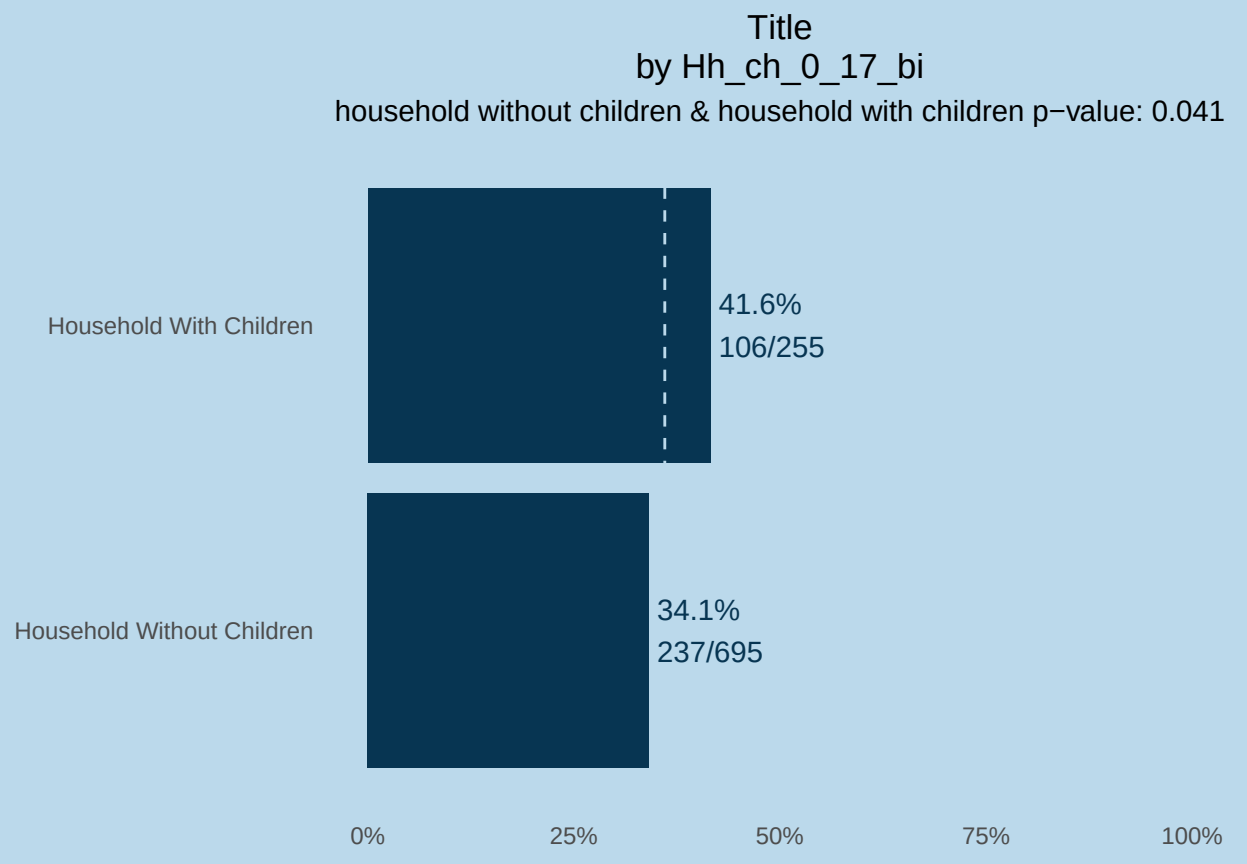
```
##
## $mar
```



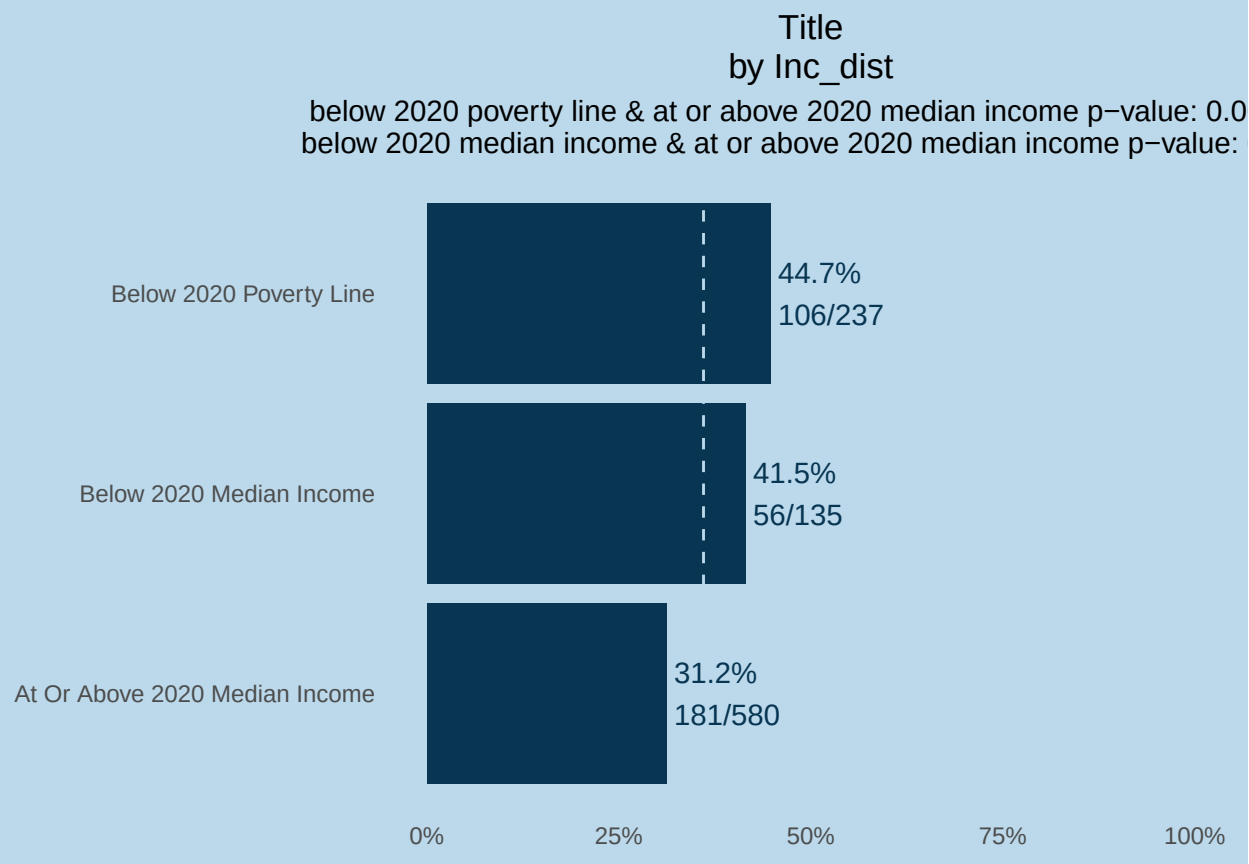

```
##
## $sch_level_cat
```


Title
by Sch_level_cat
graduate degree & high school diploma or equivalent p−value: 0.0
graduate degree & undergraduate degree p−value: 0.015
High School Diploma Or Equivalent
No High School Diploma Or Equivalent
Undergraduate Degree
Some College, No Degree
Graduate Degree
44.9%
22/49
42.9%
12/28
39.5%
135/342
36.7%
36/98
30.8%
130/422
0%
25%
50%
75%
100%

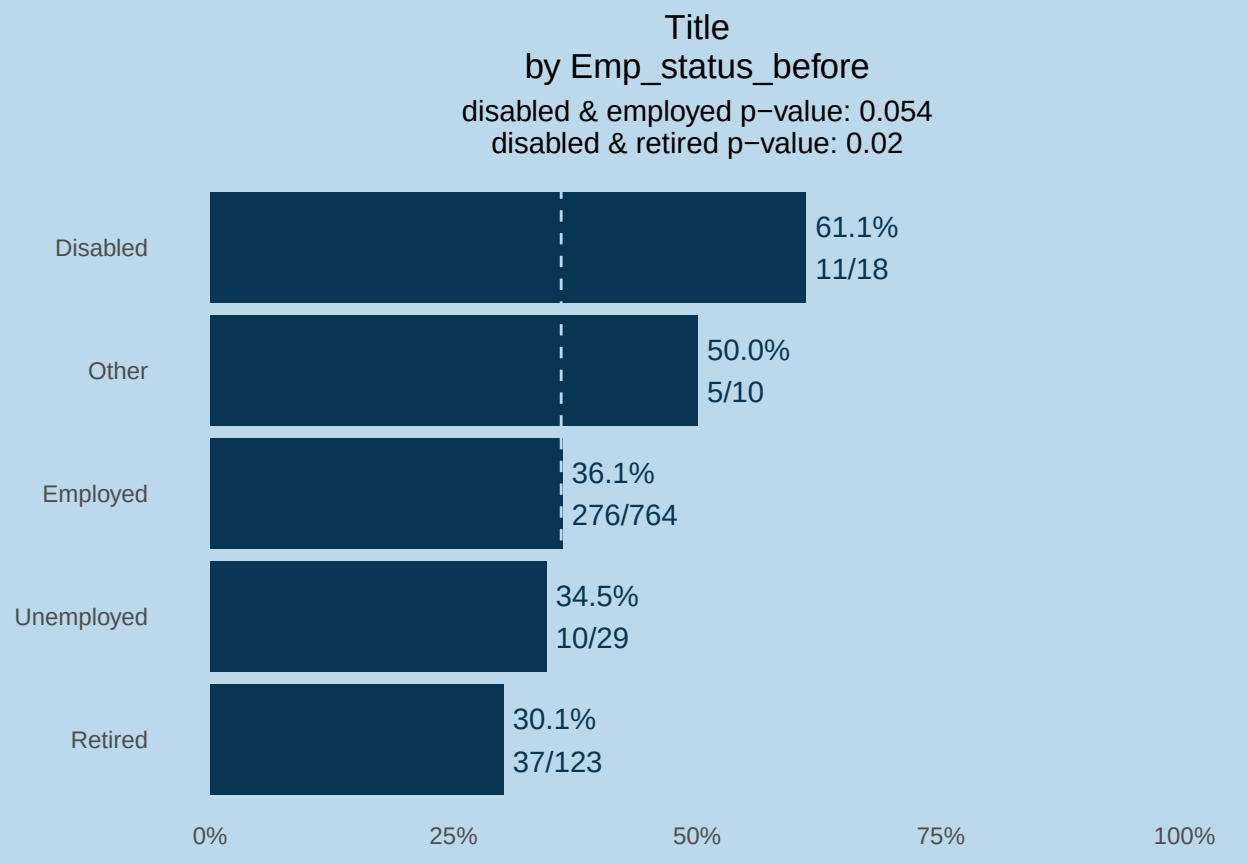
```
##
## $hh_ch_0_17_bi
```



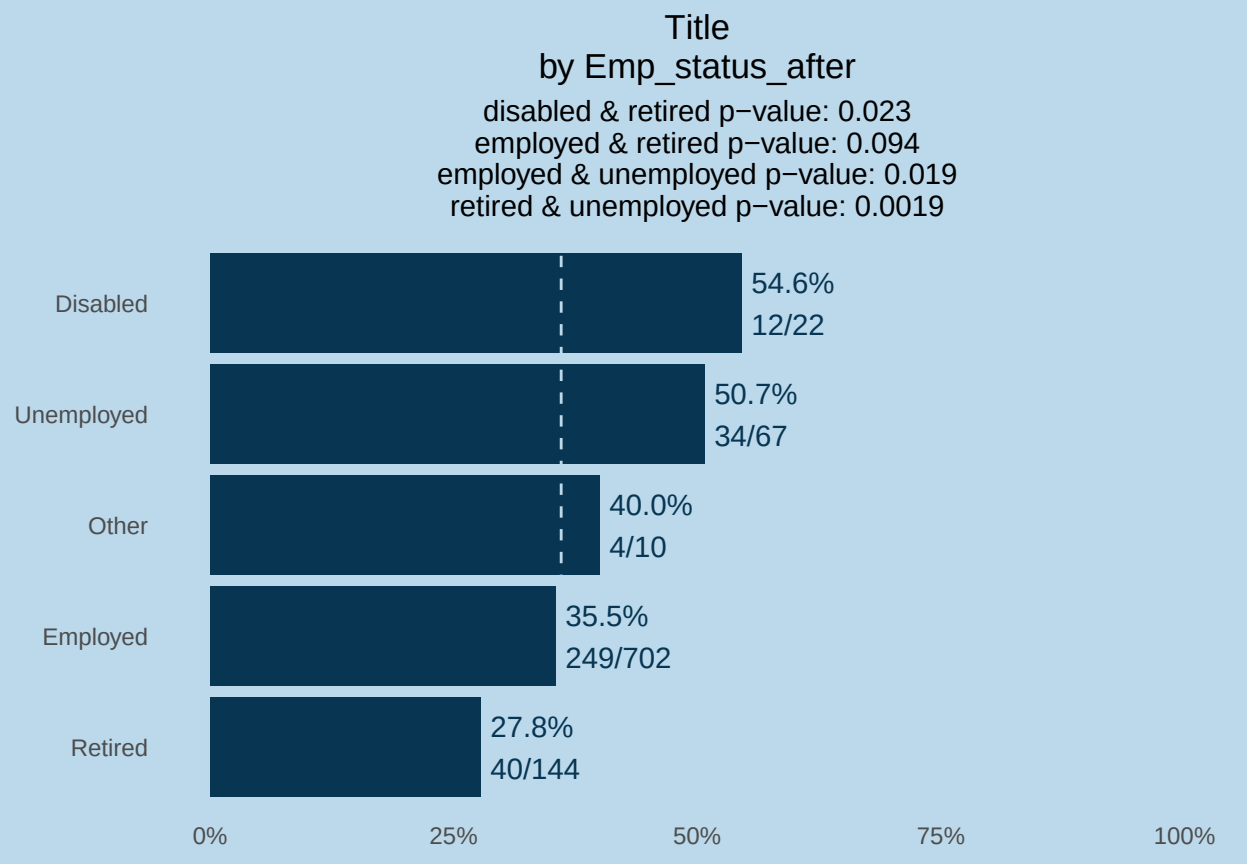

```
##
## $hh_65_bi
## NULL
##
## $inc_dist
```



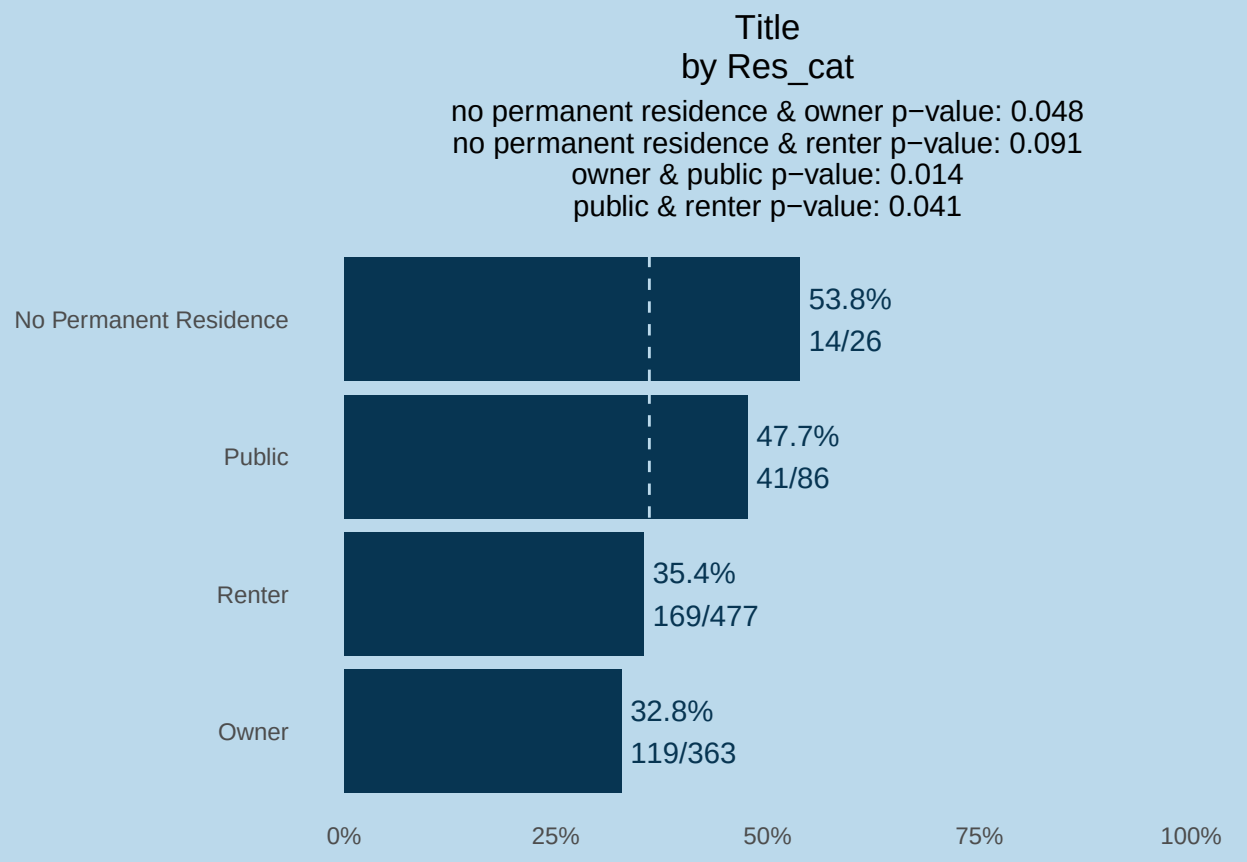

```
##
## $emp_status_before
```




```
##
## $emp_status_after
```


Title
by Emp_status_after
disabled & retired p−value: 0.023
employed & retired p−value: 0.094
employed & unemployed p−value: 0.019
retired & unemployed p−value: 0.0019
Disabled
Unemployed
Other
Employed
Retired
54.6%
12/22
50.7%
34/67
40.0%
4/10
35.5%
249/702
27.8%
40/144
0%
25%
50%
75%
100%

```
##
## $res_cat
```

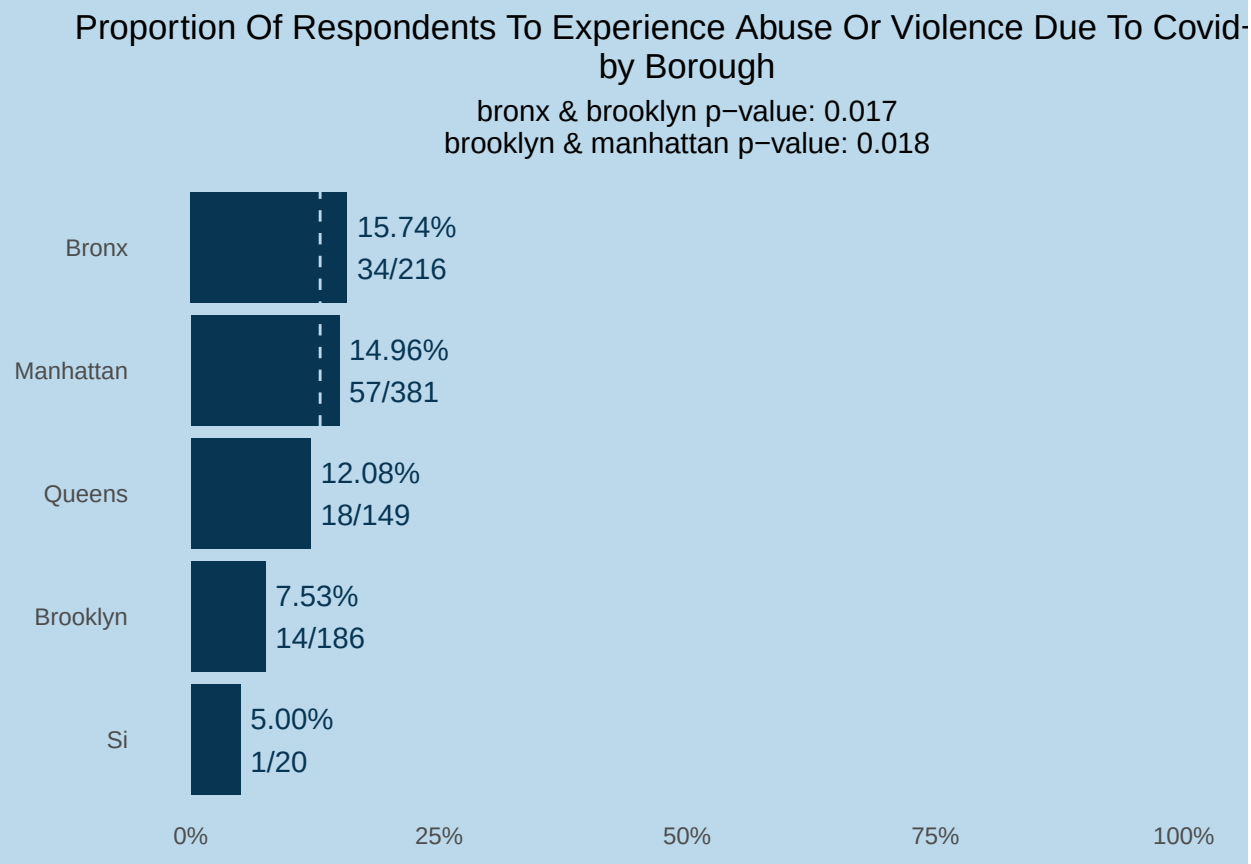


4.8)People who have experienced abuse or violence due to COVID-19 [36]

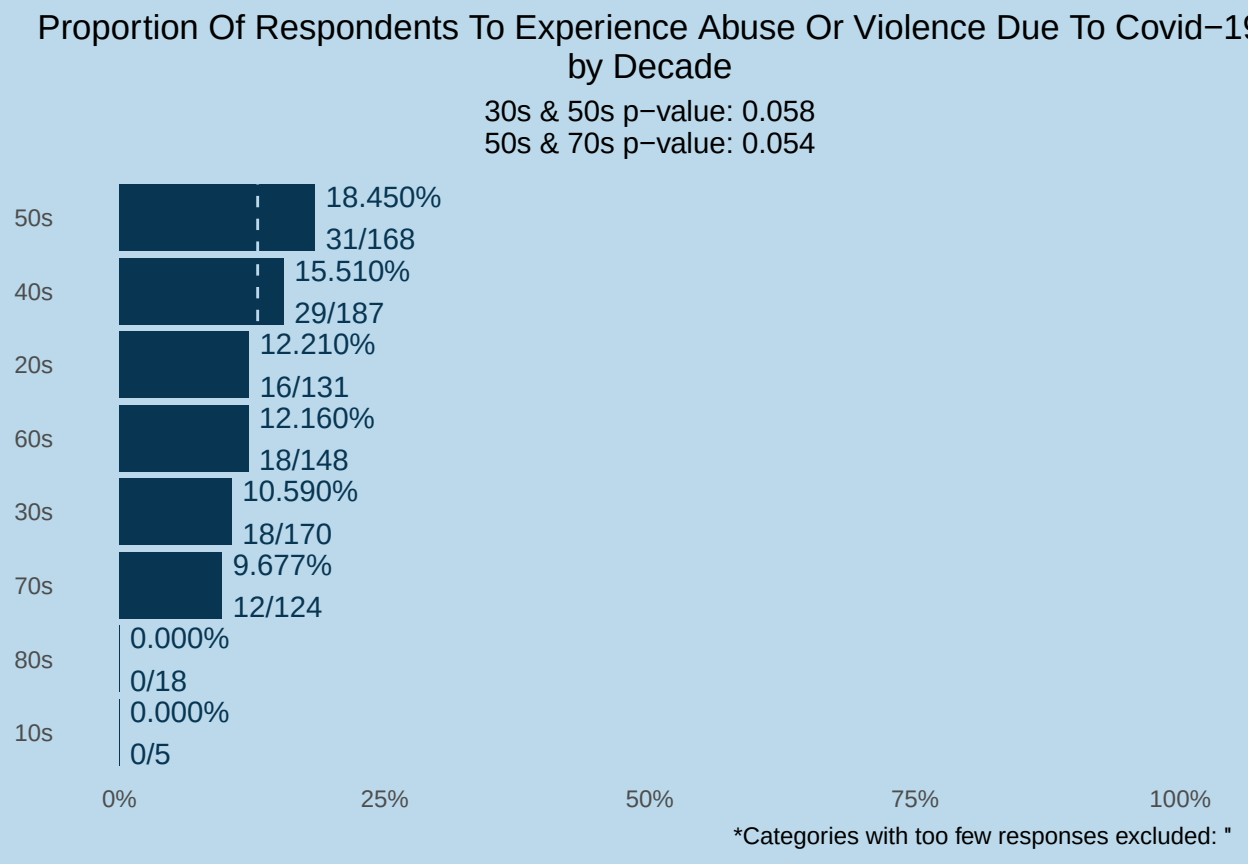
Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

```
## [1] 0.1302521
```

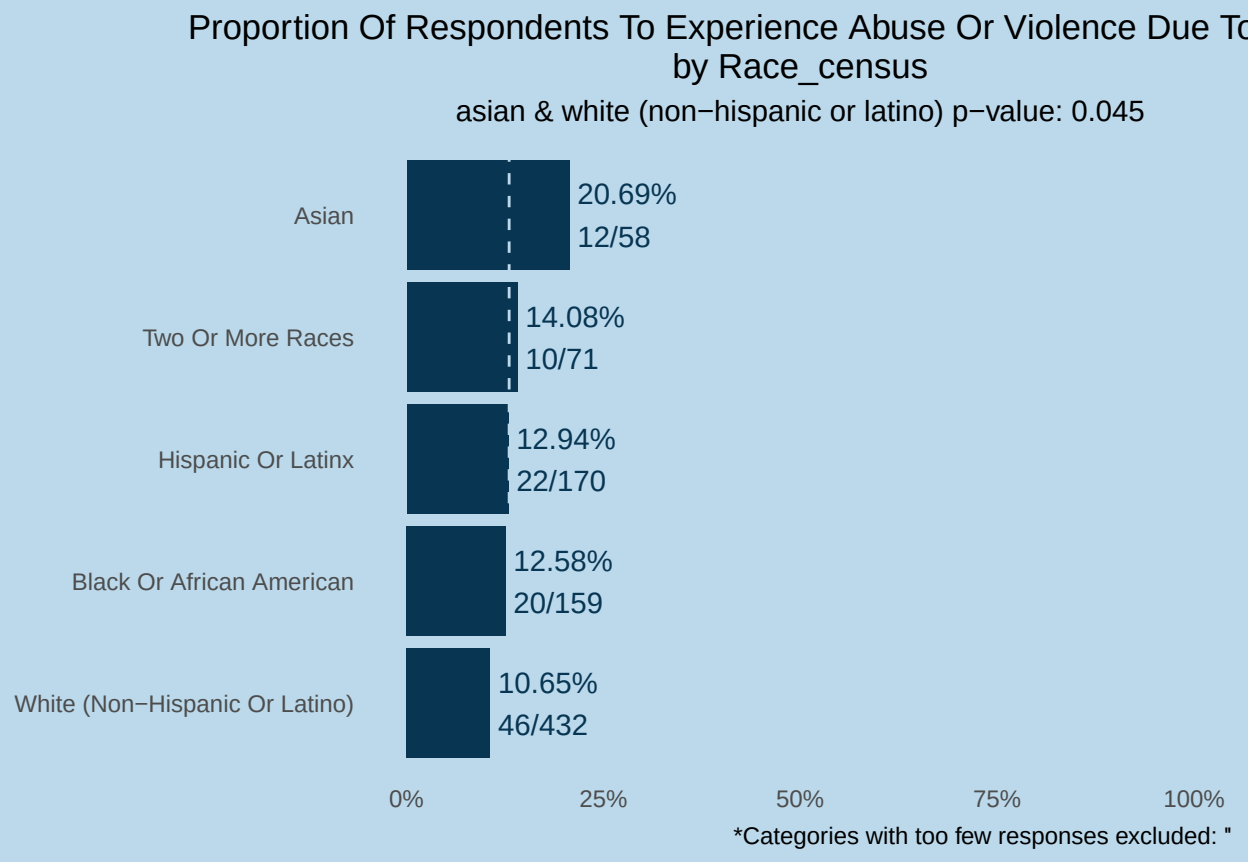
```
## $borough
```


Proportion Of Respondents To Experience Abuse Or Violence Due To Covid-
by Borough
bronx & brooklyn p−value: 0.017
brooklyn & manhattan p−value: 0.018
Bronx
15.74%
34/216
Manhattan
14.96%
57/381
Queens
12.08%
18/149
Brooklyn
7.53%
14/186
Si
5.00%
1/20
0%
25%
50%
75%
100%

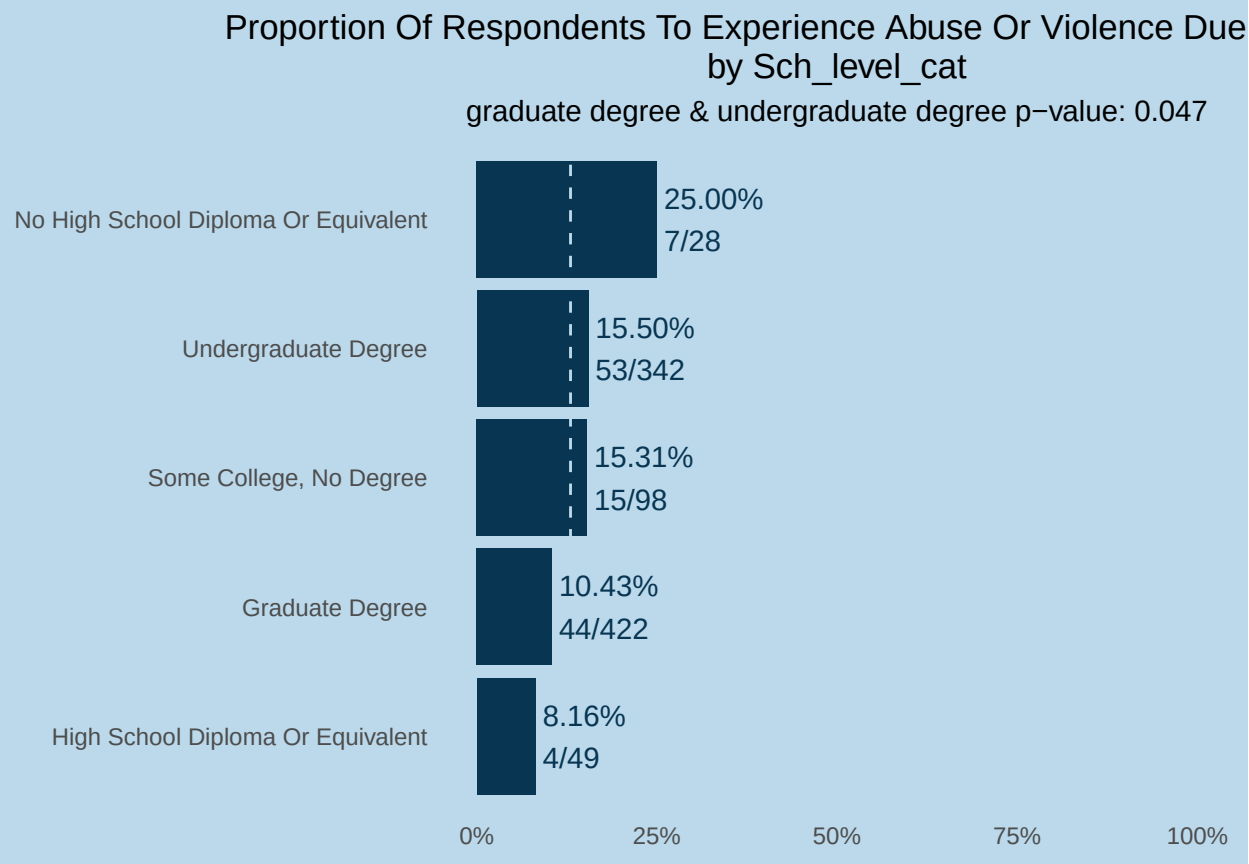
```
##
## $decade
```



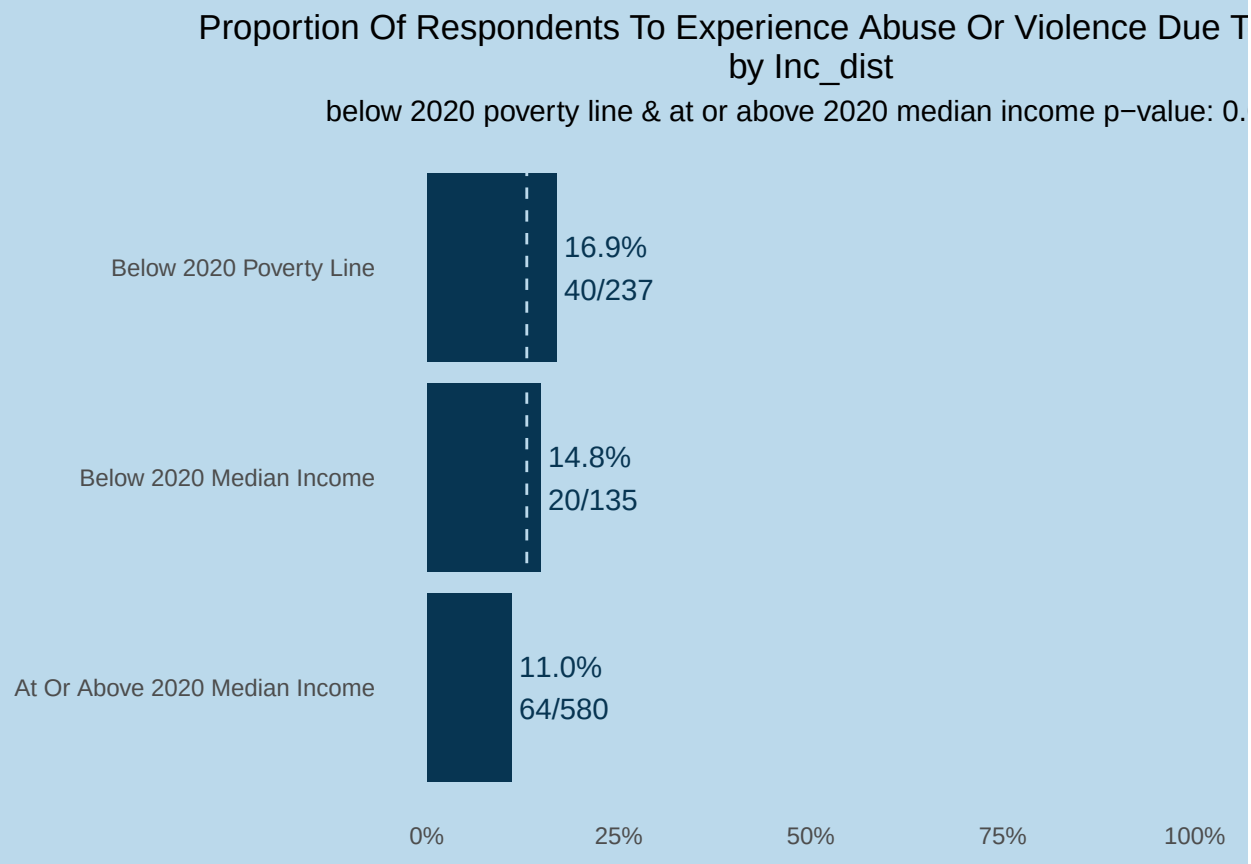

```
##
## $gen
## NULL
##
## $race_census
```



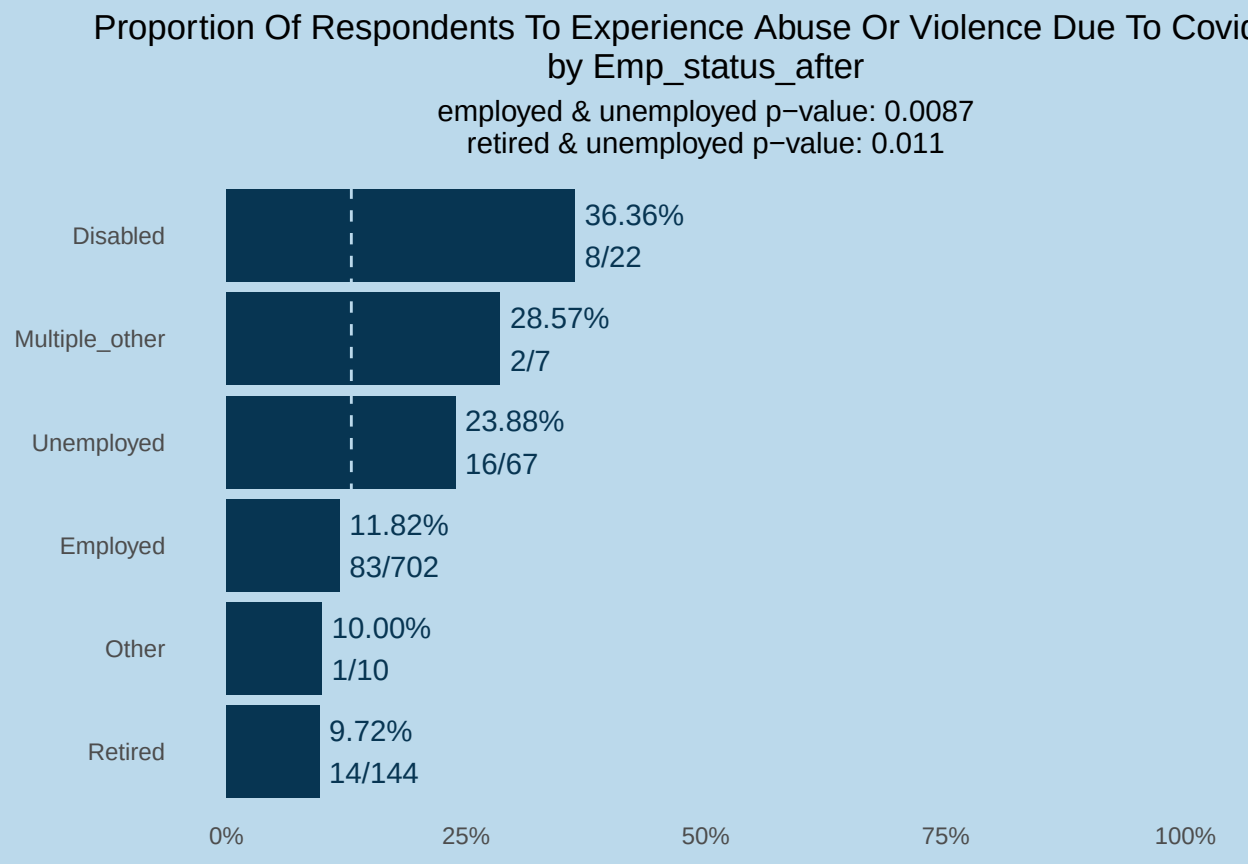

```
##
## $not_eng
## NULL
##
## $mar
## NULL
##
## $sch_level_cat
```



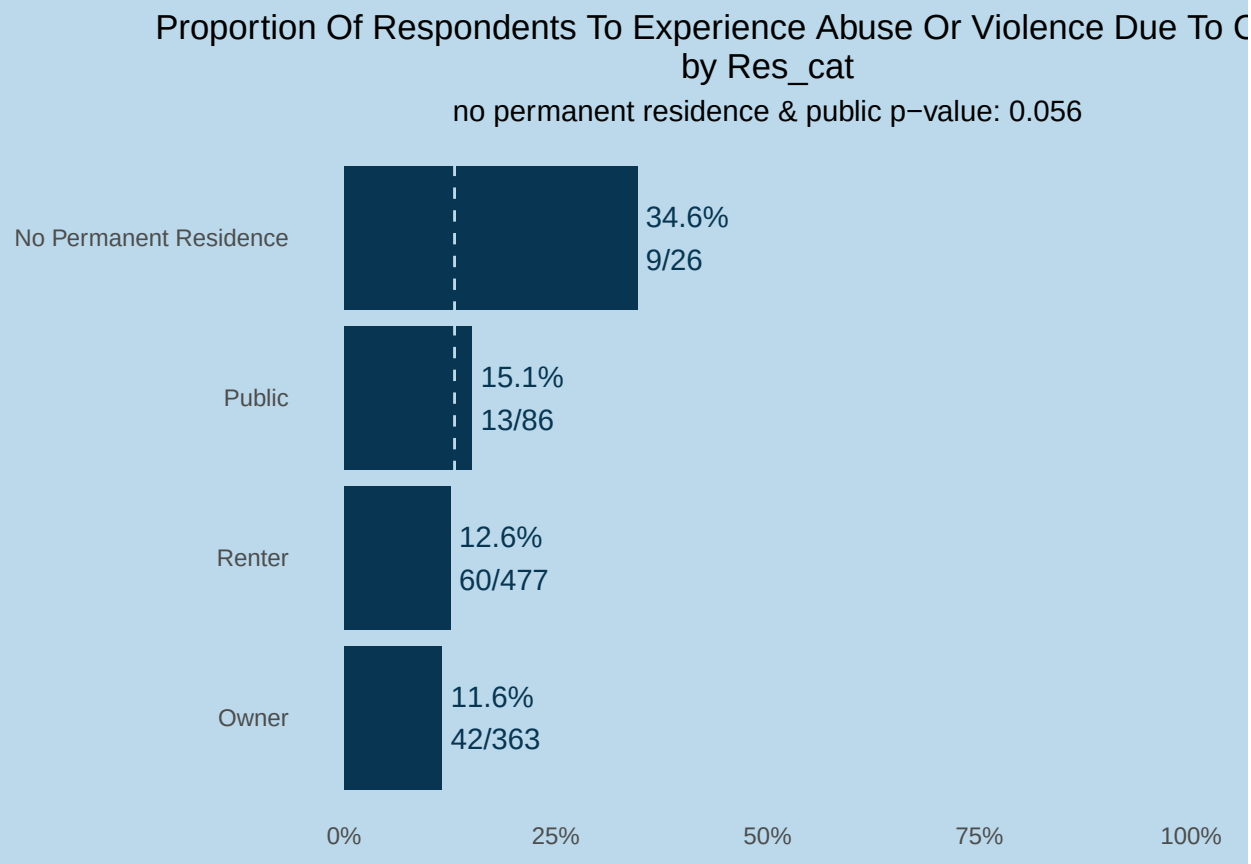

```
##
## $hh_ch_0_17_bi
## NULL
##
## $hh_65_bi
## NULL
##
## $inc_dist
```




```
##
## $emp_status_before
## NULL
##
## $emp_status_after
```


Proportion Of Respondents To Experience Abuse Or Violence Due To Covid
by Emp_status_after
employed & unemployed p−value: 0.0087
retired & unemployed p−value: 0.011
Disabled
36.36%
8/22
Multiple_other
28.57%
2/7
Unemployed
23.88%
16/67
Employed
11.82%
83/702
Other
10.00%
1/10
Retired
9.72%
14/144
0%
25%
50%
75%
100%

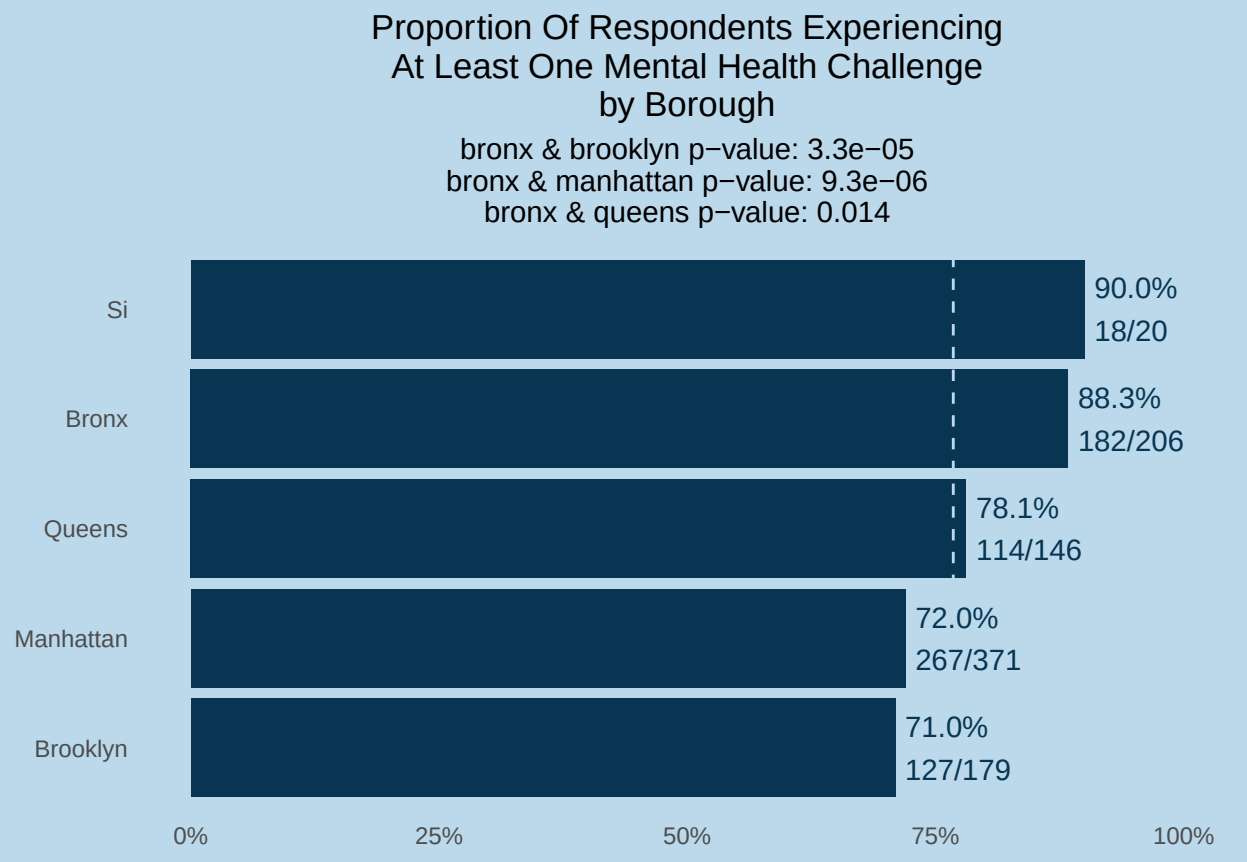
```
##
## $res_cat
```



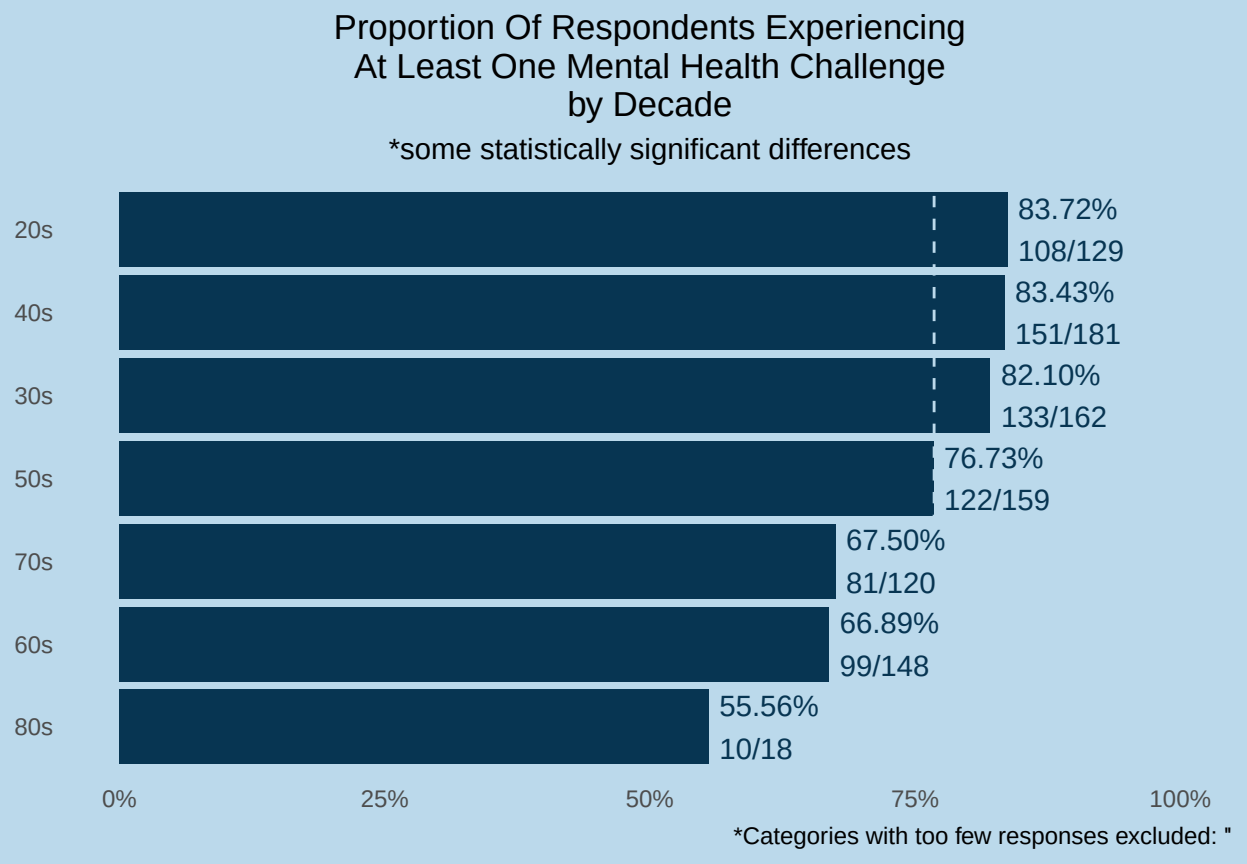
4.9)People who experienced at least one mental health challenge in the last month [41]

Run categorical distribution over population (0-4) Indicators: responses to [41] Unable to control: fairly often or very often Confident: never or almost never Going your way: never or almost never Piling up: fairly often or very often Yes = 1+ indicators No = 0 indicators Run distribution by sub-demographics (a-k)

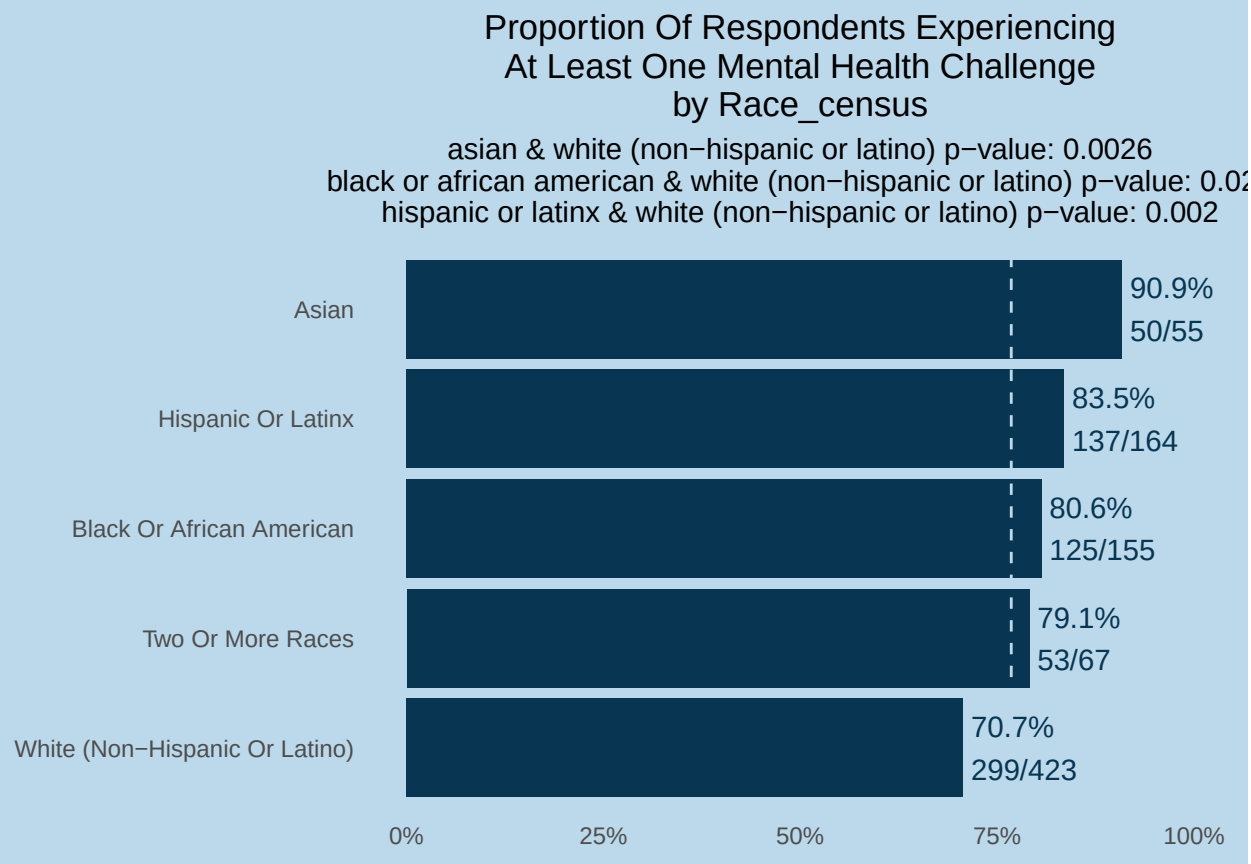
```
## $borough
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Borough
bronx & brooklyn p−value: 3.3e−05
bronx & manhattan p−value: 9.3e−06
bronx & queens p−value: 0.014
Si
Bronx
Queens
Manhattan
Brooklyn
90.0%
18/20
88.3%
182/206
78.1%
114/146
72.0%
267/371
71.0%
127/179
0%
25%
50%
75%
100%

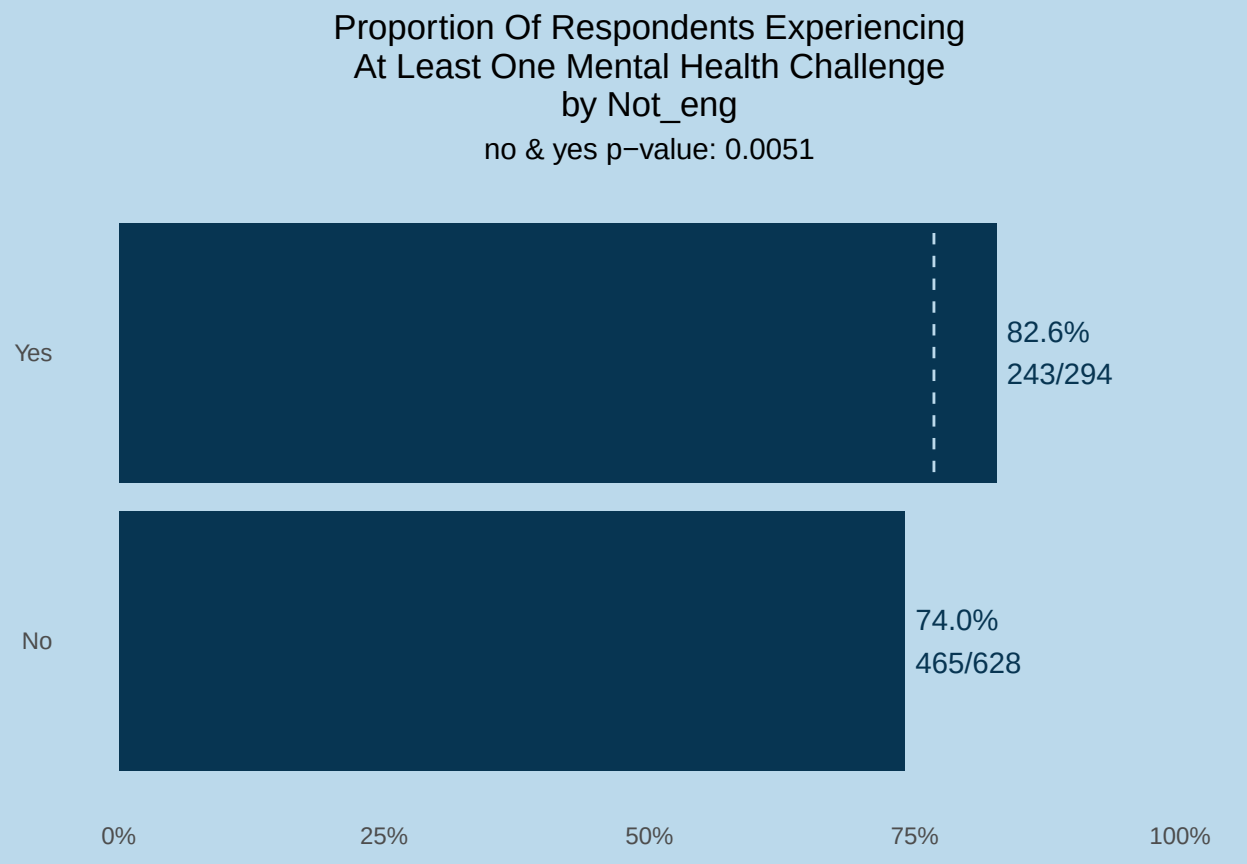
```
##
## $decade
```



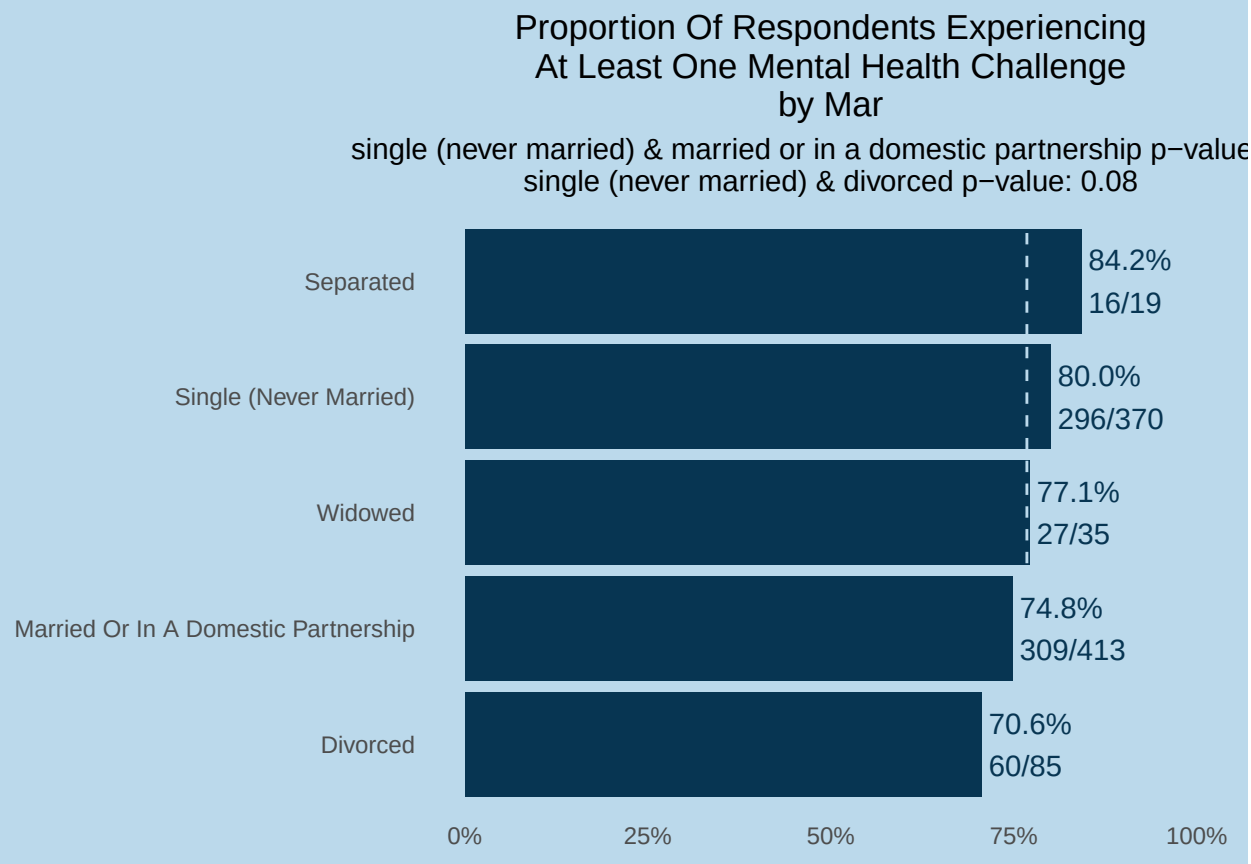

```
##
## $gen
## NULL
##
## $race_census
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Race_census
asian & white (non−hispanic or latino) p−value: 0.0026
black or african american & white (non−hispanic or latino) p−value: 0.02
hispanic or latinx & white (non−hispanic or latino) p−value: 0.002
Asian
Hispanic Or Latinx
Black Or African American
Two Or More Races
White (Non−Hispanic Or Latino)
90.9%
50/55
83.5%
137/164
80.6%
125/155
79.1%
53/67
70.7%
299/423
0%
25%
50%
75%
100%

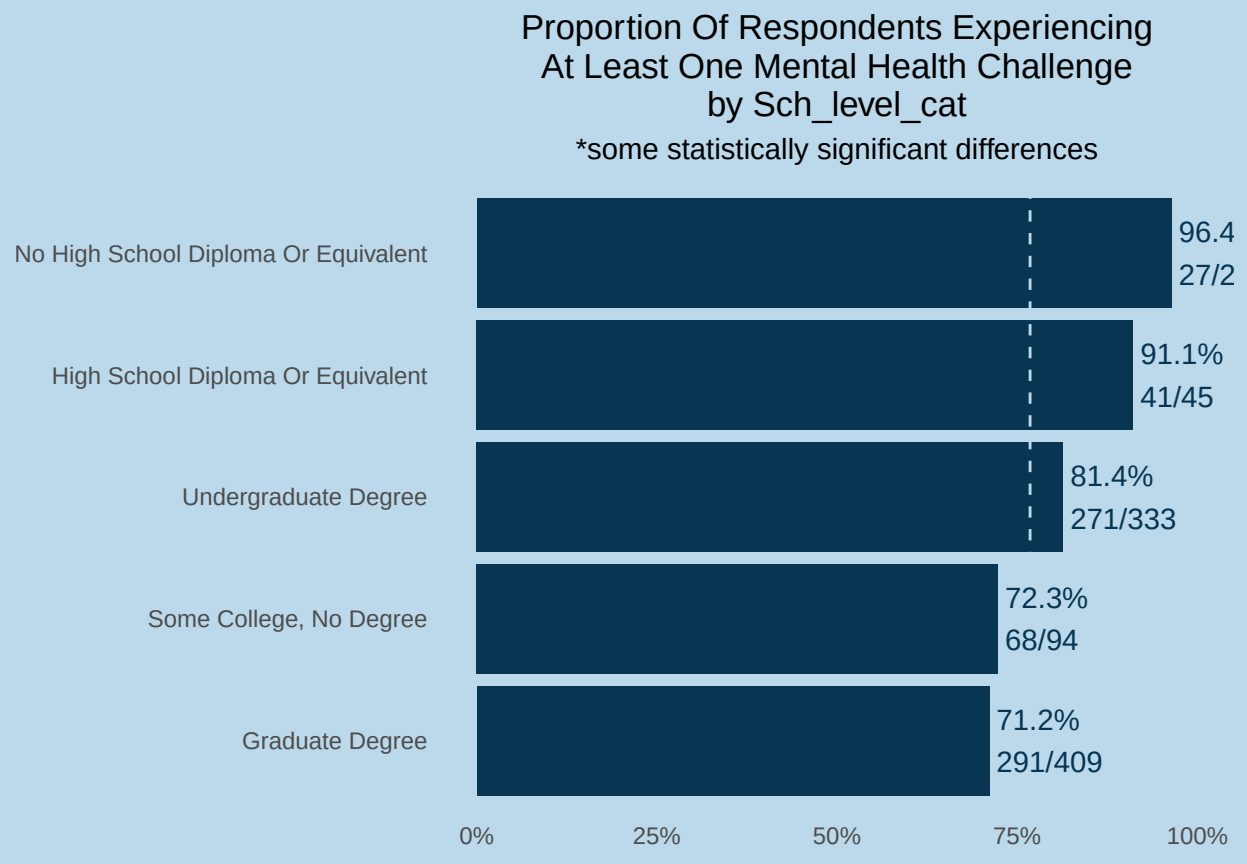
```
##
## $not_eng
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Not_eng
no & yes p−value: 0.0051
Yes
No
82.6%
243/294
74.0%
465/628
0%
25%
50%
75%
100%

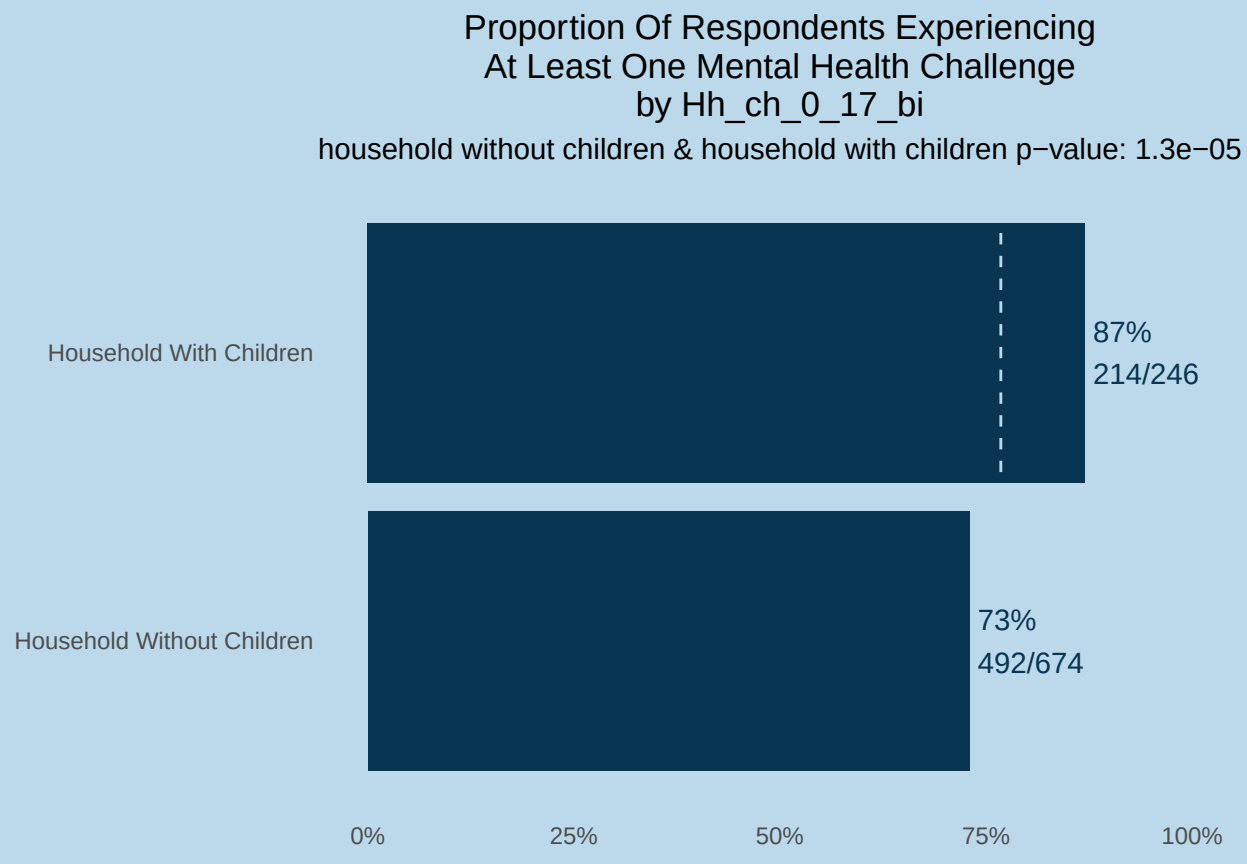
```
##
## $mar
```



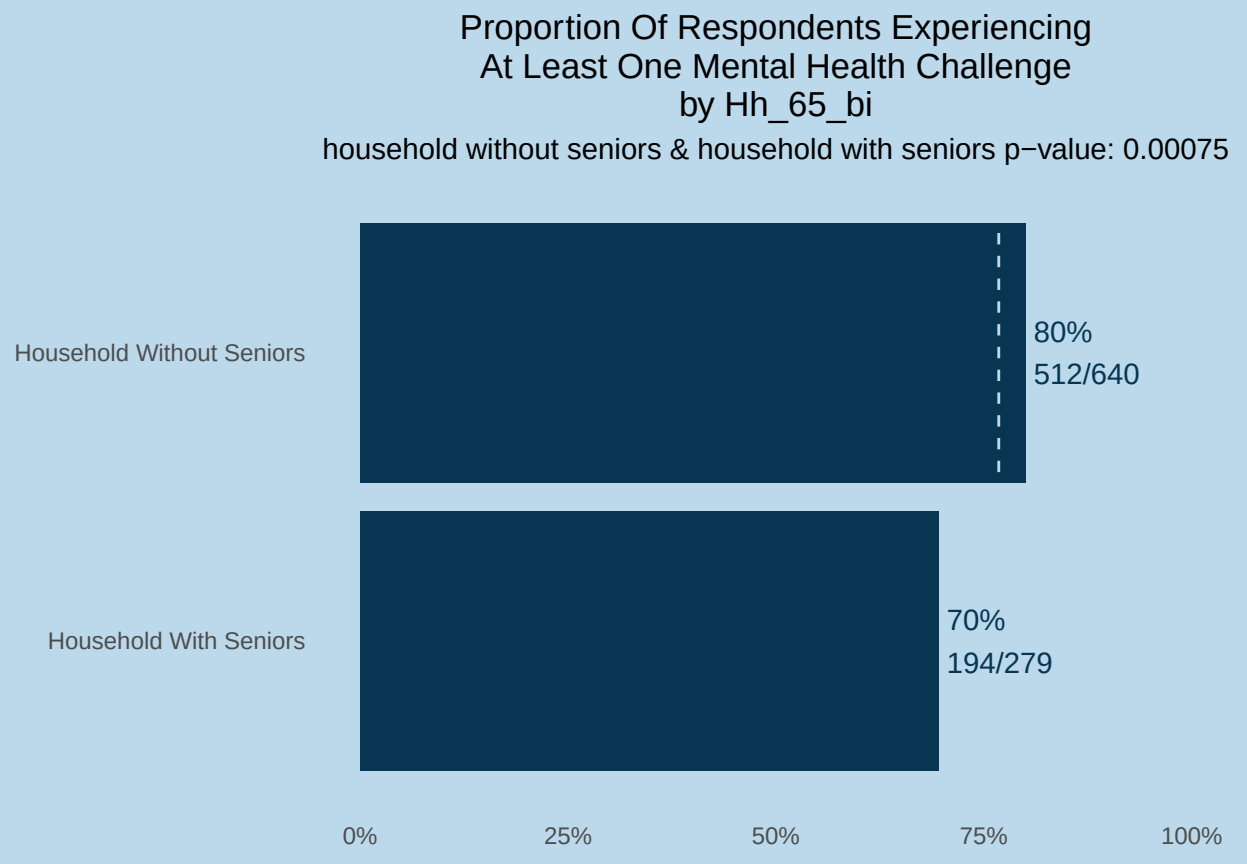

```
##
## $sch_level_cat
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Sch_level_cat
*some statistically significant differences
No High School Diploma Or Equivalent
High School Diploma Or Equivalent
Undergraduate Degree
Some College, No Degree
Graduate Degree
96.4
27/2
91.1%
41/45
81.4%
271/333
72.3%
68/94
71.2%
291/409
0%
25%
50%
75%
100%

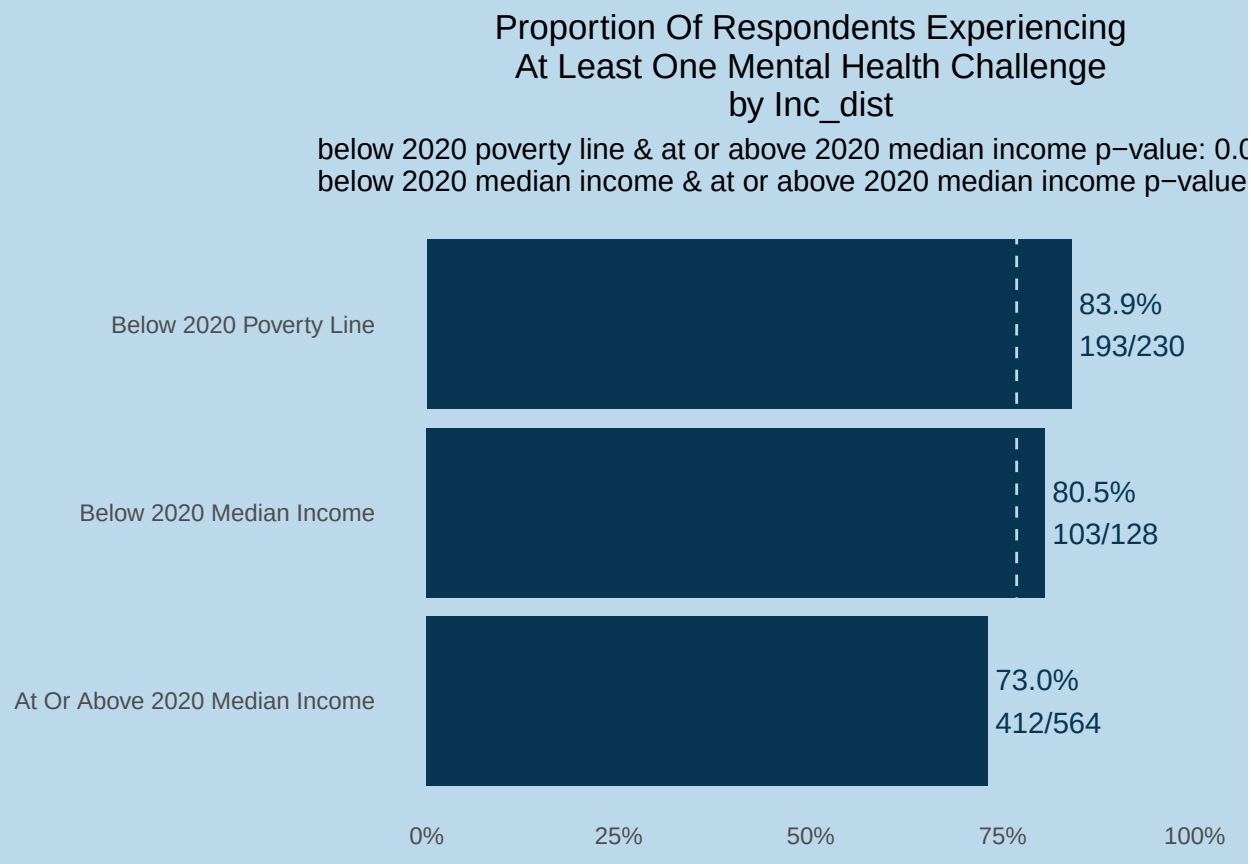
```
##
## $hh_ch_0_17_bi
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Hh_ch_0_17_bi
household without children & household with children p−value: 1.3e−05
Household With Children
87%
214/246
Household Without Children
73%
492/674
0%
25%
50%
75%
100%

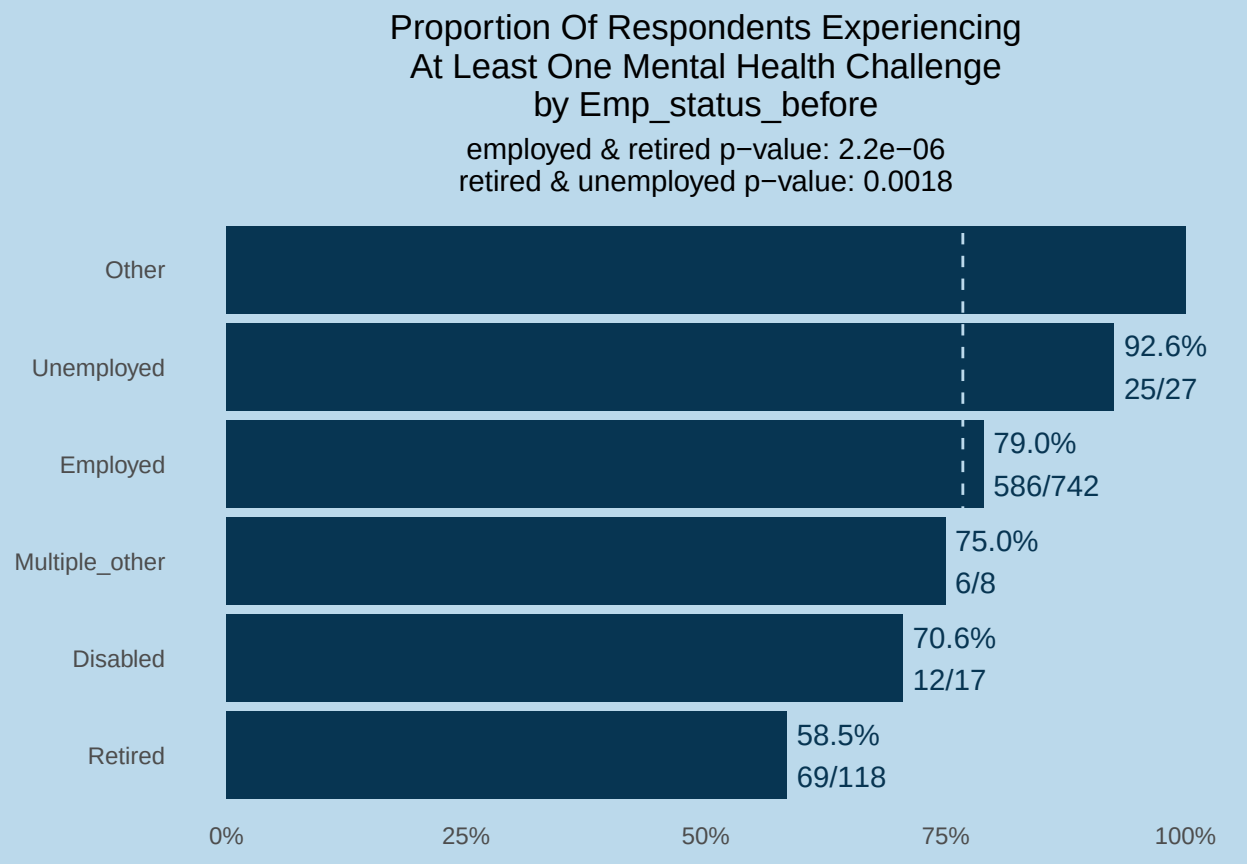
```
##
## $hh_65_bi
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Hh_65_bi
household without seniors & household with seniors p−value: 0.00075
Household Without Seniors
80%
512/640
Household With Seniors
70%
194/279
0%
25%
50%
75%
100%

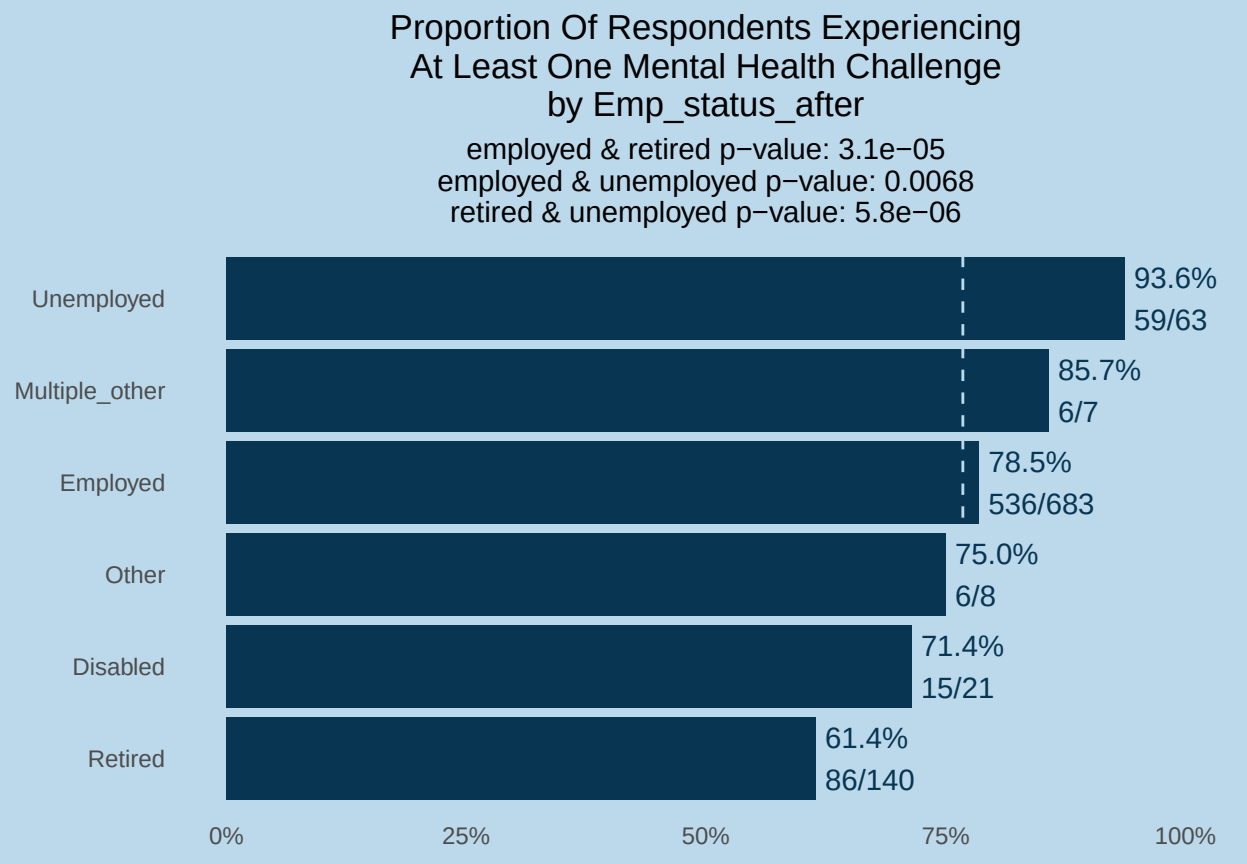
```
##
## $inc_dist
```



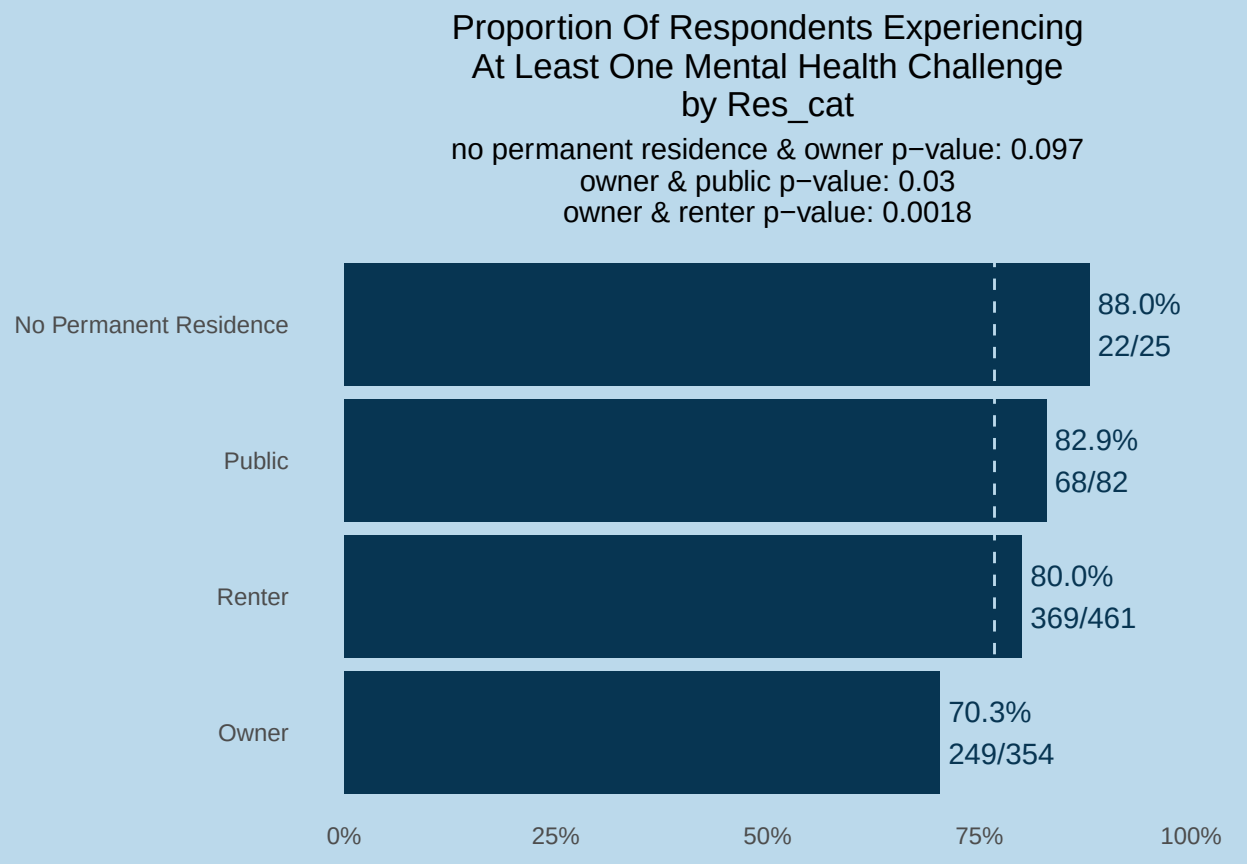

```
##
## $emp_status_before
```



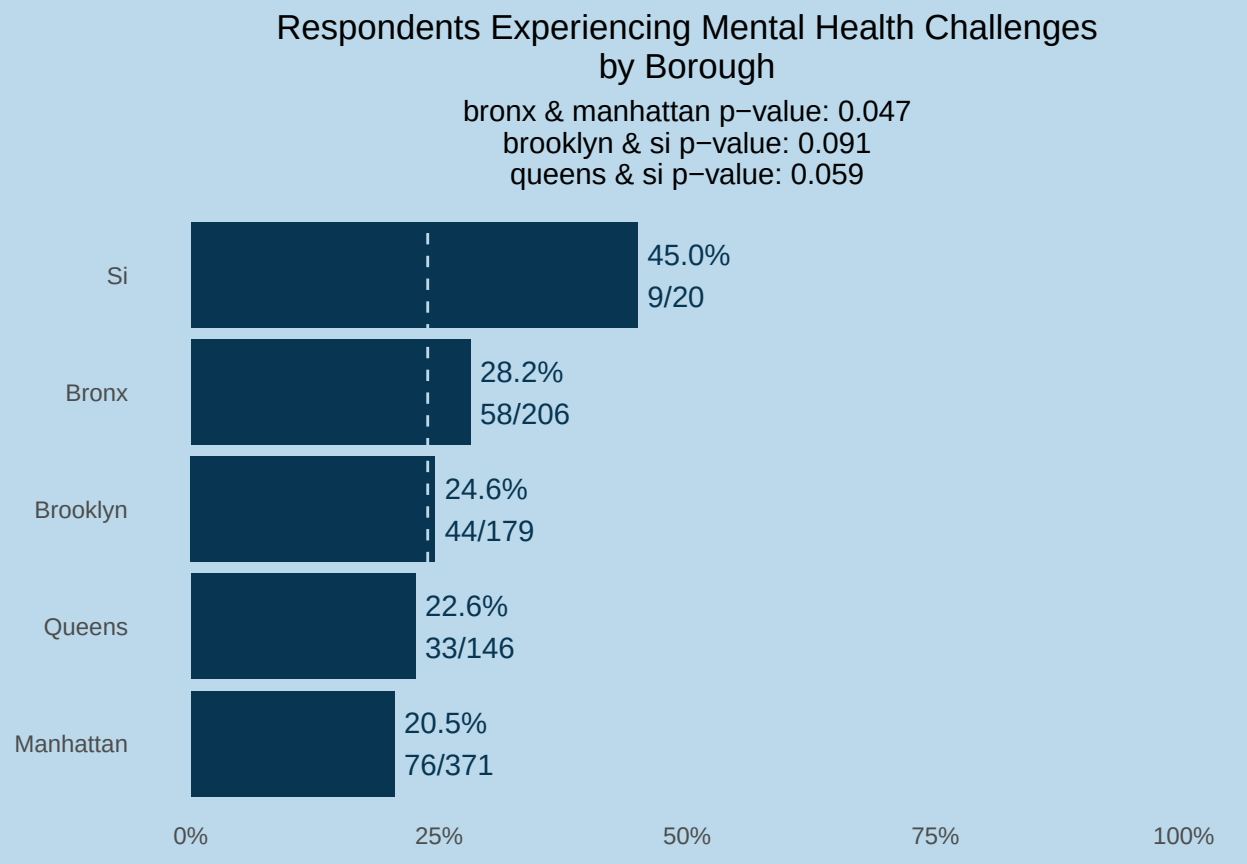

```
##
## $emp_status_after
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Emp_status_after
employed & retired p−value: 3.1e−05
employed & unemployed p−value: 0.0068
retired & unemployed p−value: 5.8e−06
Unemployed
Multiple_other
Employed
Other
Disabled
Retired
93.6%
59/63
85.7%
6/7
78.5%
536/683
75.0%
6/8
71.4%
15/21
61.4%
86/140
0%
25%
50%
75%
100%

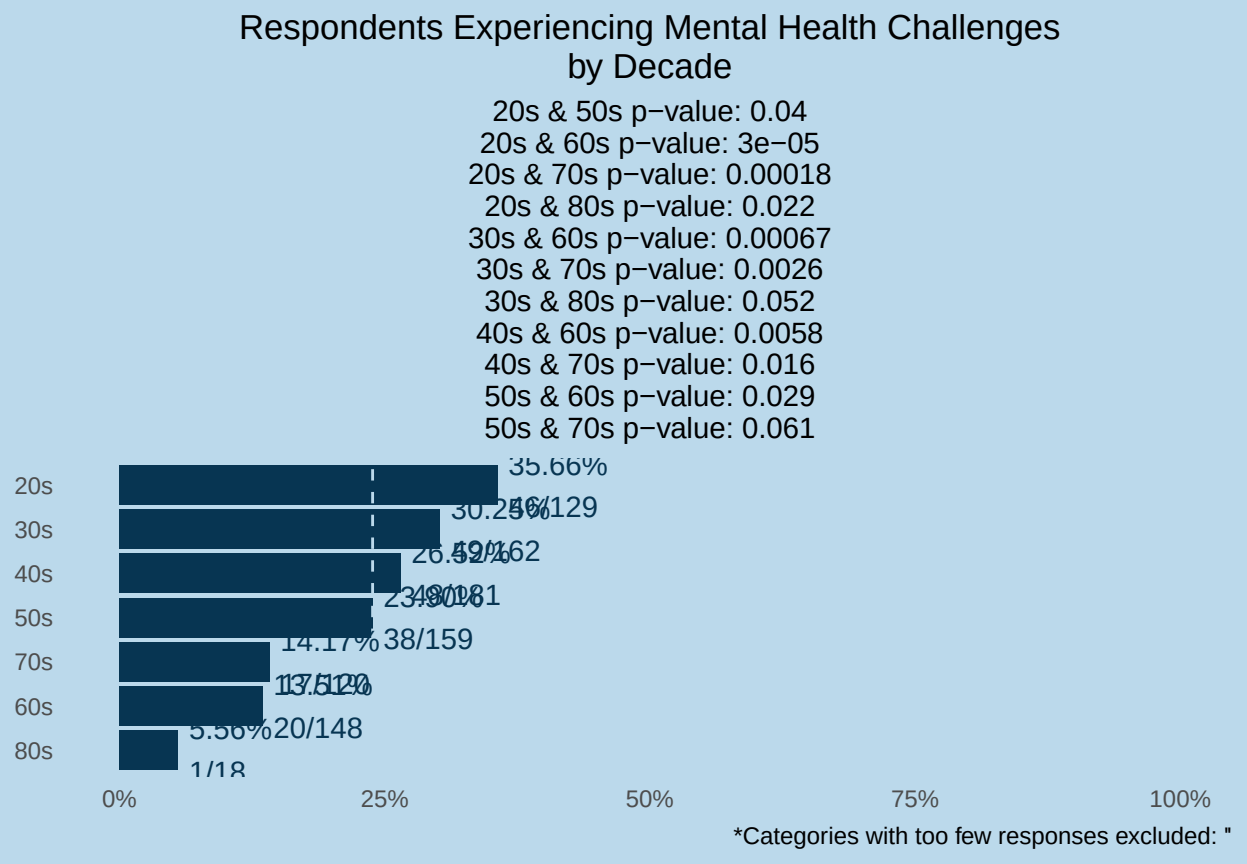
```
##
## $res_cat
```


Proportion Of Respondents Experiencing
At Least One Mental Health Challenge
by Res_cat
no permanent residence & owner p−value: 0.097
owner & public p−value: 0.03
owner & renter p−value: 0.0018
No Permanent Residence
Public
Renter
Owner
88.0%
22/25
82.9%
68/82
80.0%
369/461
70.3%
249/354
0%
25%
50%
75%
100%

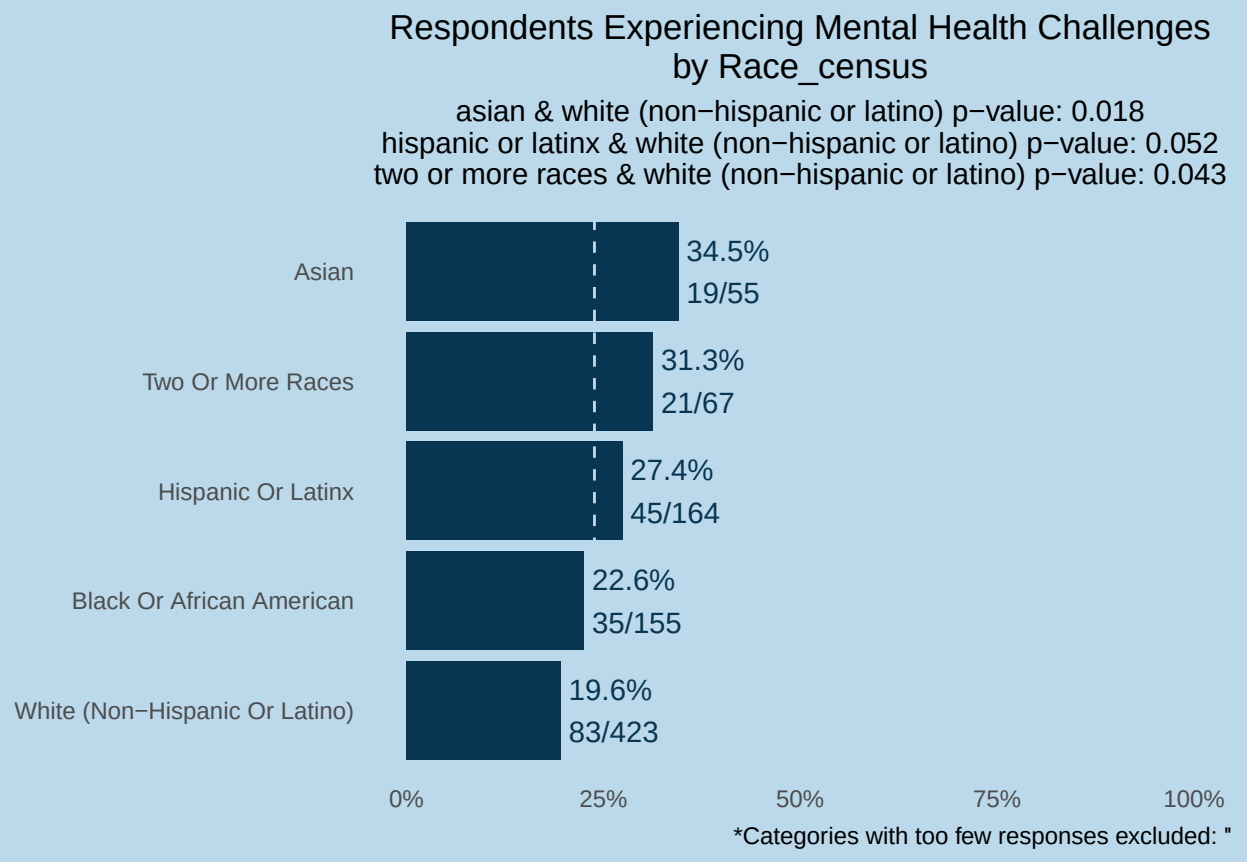
```
## $borough
```


Respondents Experiencing Mental Health Challenges
by Borough
bronx & manhattan p−value: 0.047
brooklyn & si p−value: 0.091
queens & si p−value: 0.059
Si
Bronx
Brooklyn
Queens
Manhattan
45.0%
9/20
28.2%
58/206
24.6%
44/179
22.6%
33/146
20.5%
76/371
0%
25%
50%
75%
100%

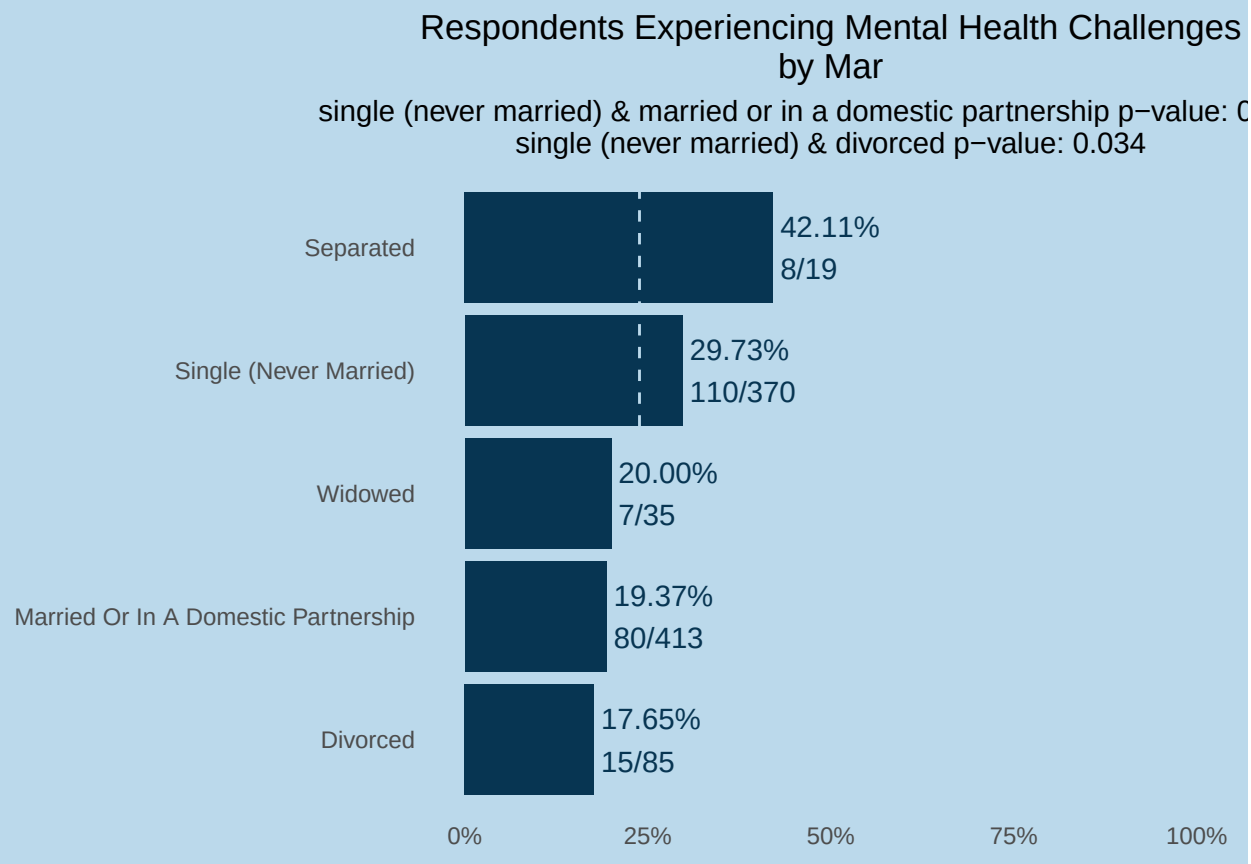
```
##
## $decade
```



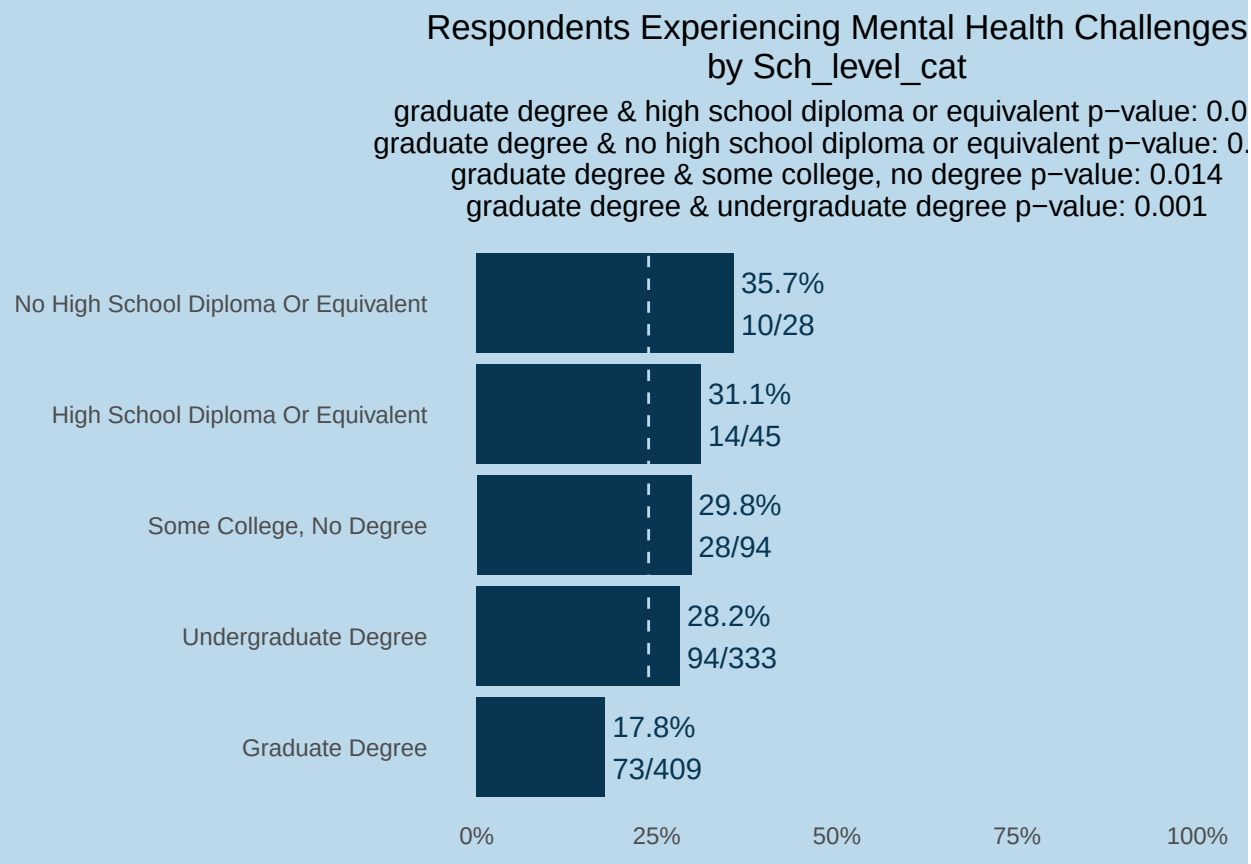

```
##
## $gen
## NULL
##
## $race_census
```



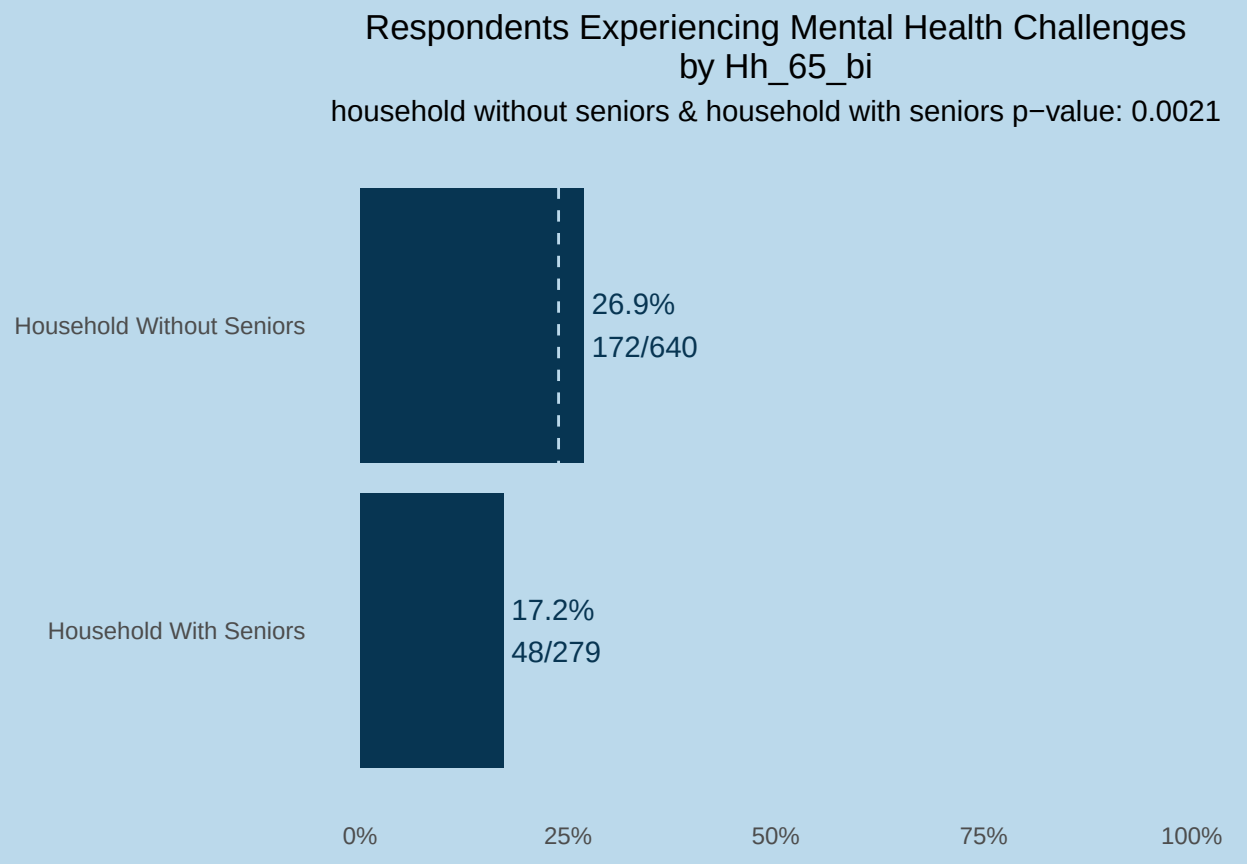

```
##
## $not_eng
## NULL
##
## $mar
```



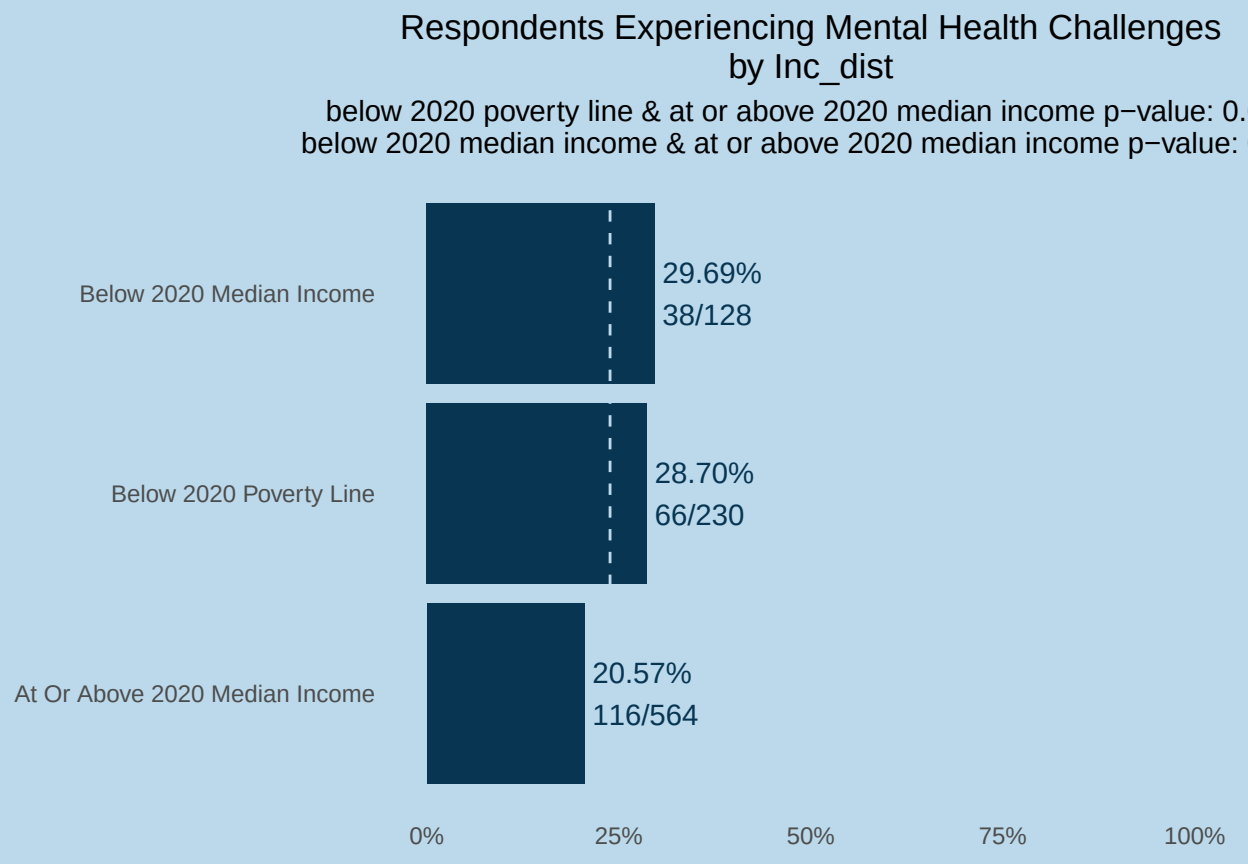

```
##
## $sch_level_cat
```



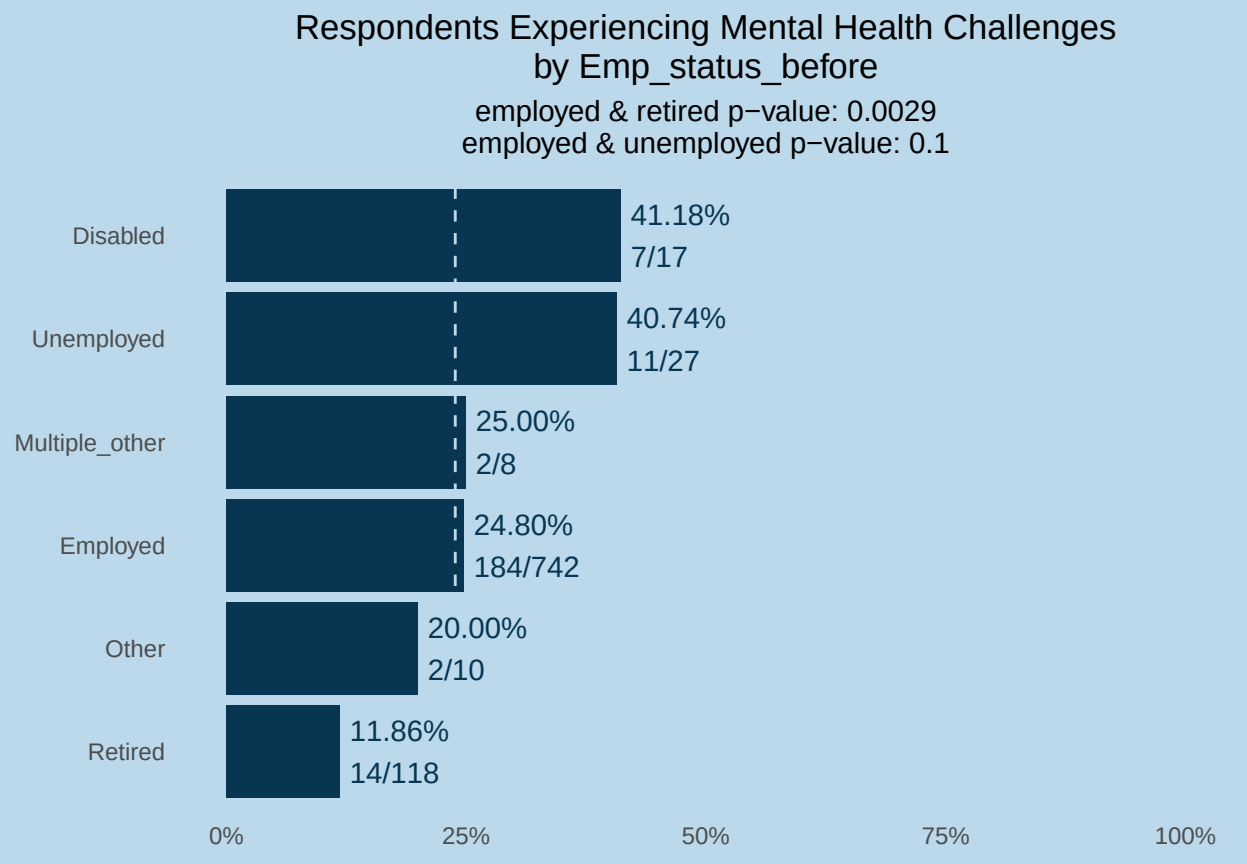

```
##
## $hh_ch_0_17_bi
## NULL
##
## $hh_65_bi
```


Respondents Experiencing Mental Health Challenges
by Hh_65_bi
household without seniors & household with seniors p−value: 0.0021
Household Without Seniors
26.9%
172/640
Household With Seniors
17.2%
48/279
0%
25%
50%
75%
100%

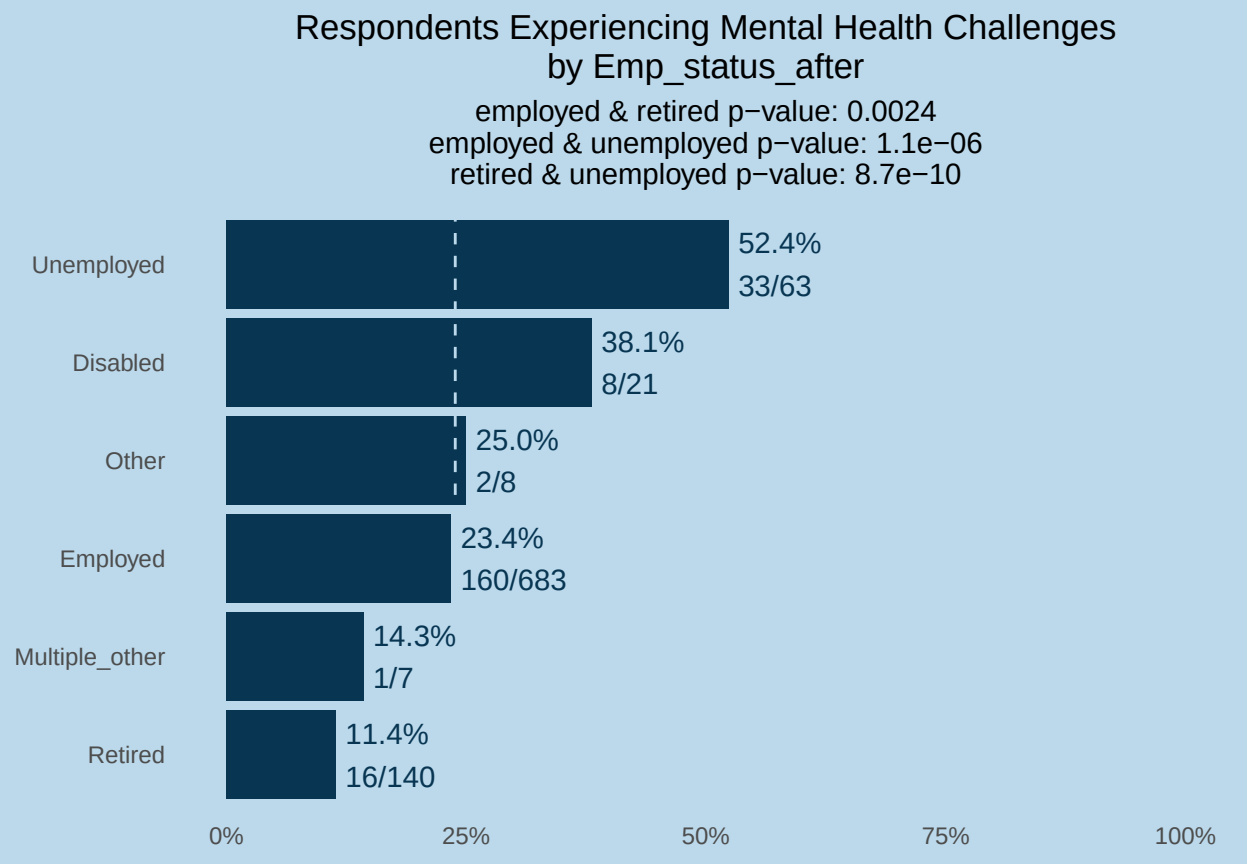
```
##
## $inc_dist
```



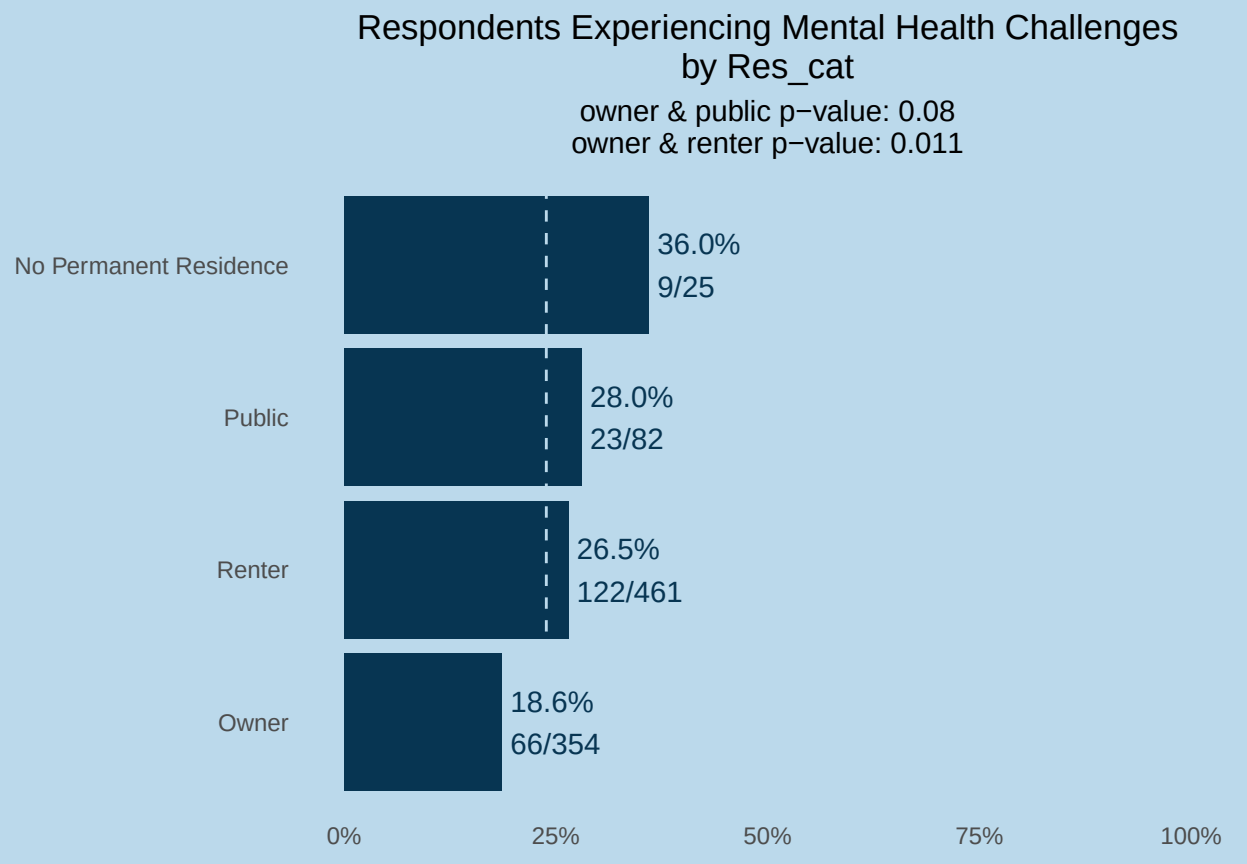

```
##
## $emp_status_before
```




```
##
## $emp_status_after
```


Respondents Experiencing Mental Health Challenges
by Emp_status_after
employed & retired p−value: 0.0024
employed & unemployed p−value: 1.1e−06
retired & unemployed p−value: 8.7e−10
Unemployed
Disabled
Other
Employed
Multiple_other
Retired
52.4%
33/63
38.1%
8/21
25.0%
2/8
23.4%
160/683
14.3%
1/7
11.4%
16/140
0%
25%
50%
75%
100%

```
##
## $res_cat
```



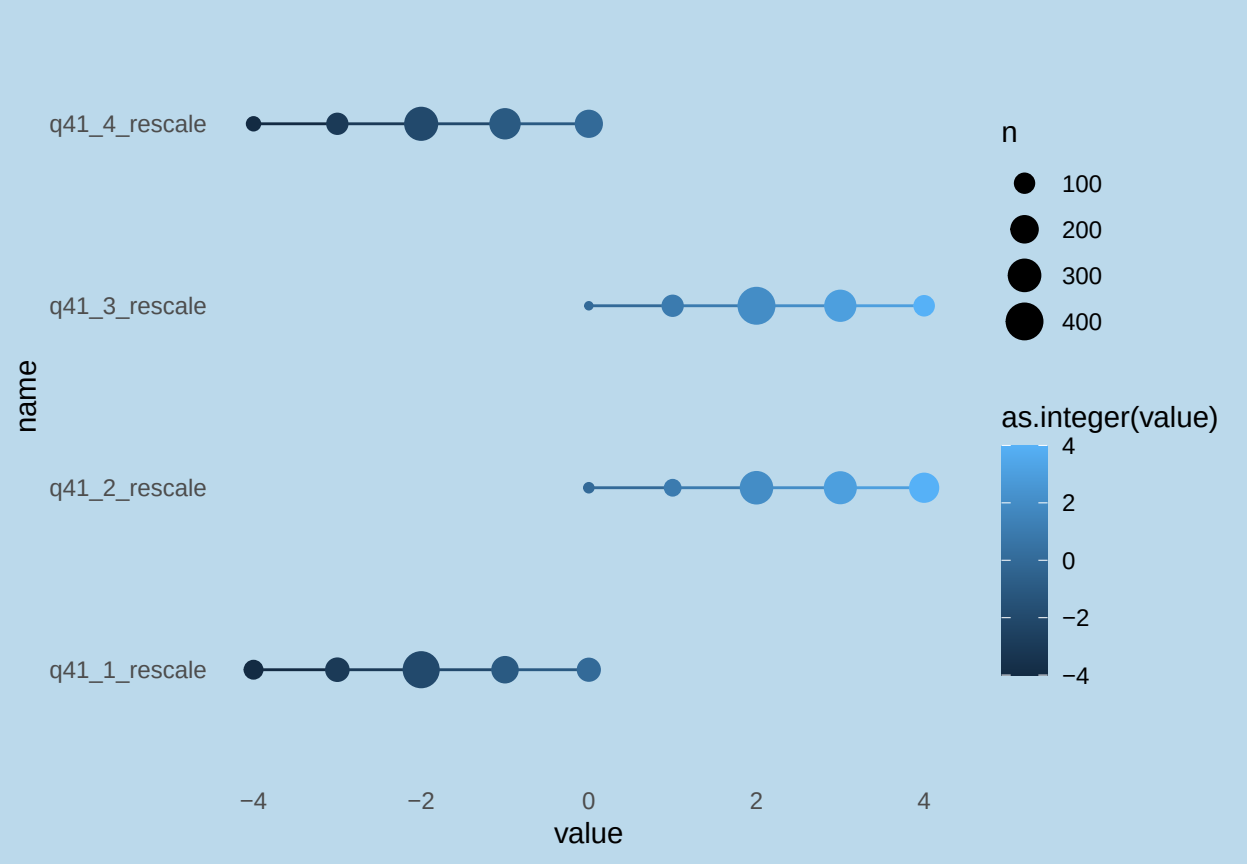

```
## NULL
```

4.10)People who are currently unemployed are more likely to experience at least one form of mental health challenge in the last month

Find respondents who are currently unemployed [17] Find proportion of subset that experienced at least one challenge in the last month [41] Find proportion not in subset and compare (test unequal proportions)

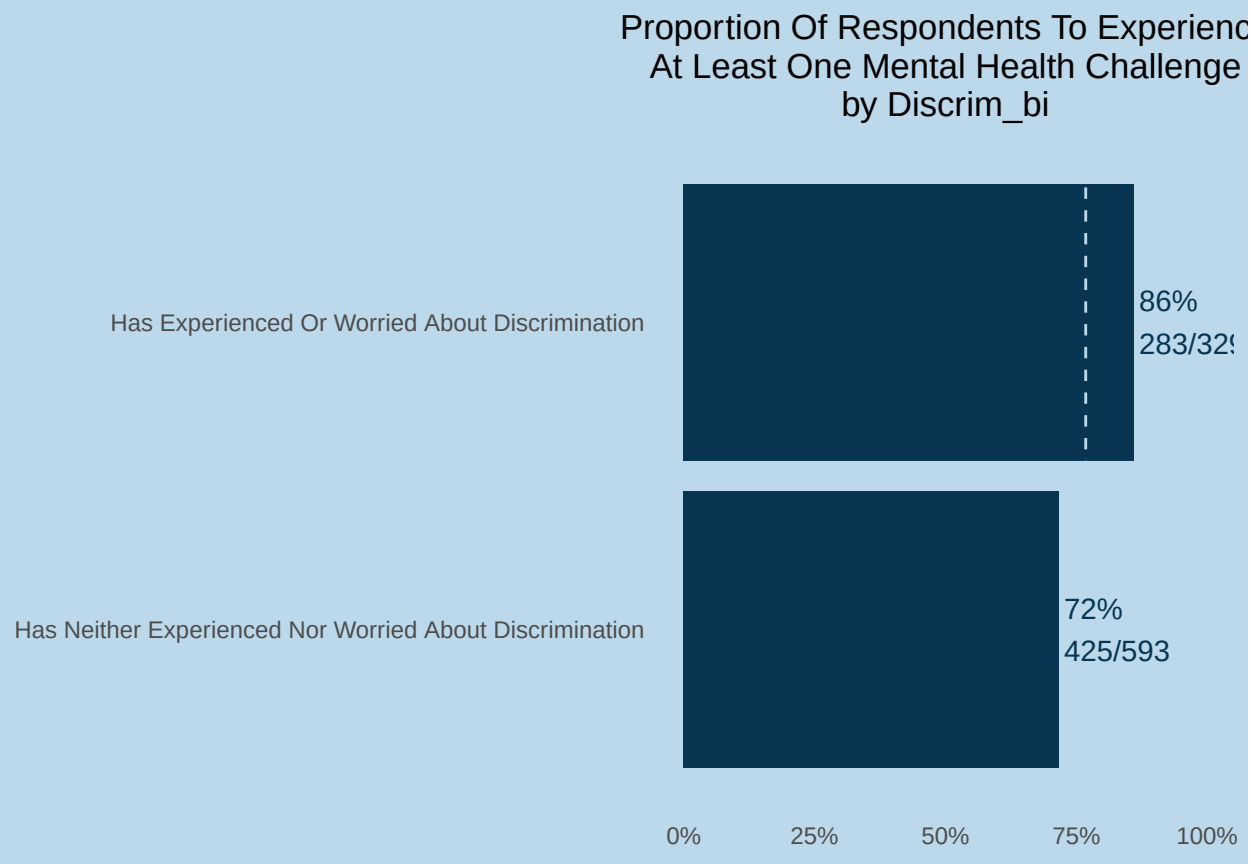
```
wrangled %>% select(contains("rescale")) %>% pivot_longer(contains("rescale")) %>%
  mutate(label = labelled::to_character(value),
         color = case_when(
           value == 0 ~ "neutral",
           value > 0 ~ "positive",
           value < 0 ~ "negative"
         )) %>% group_by(name, label, value) %>% summarize(n = n()) %>%
  drop_na %>%
  ggplot(aes(x = value, y = name, color = as.integer(value))) + geom_line() + geom_point(aes(size = n))
```

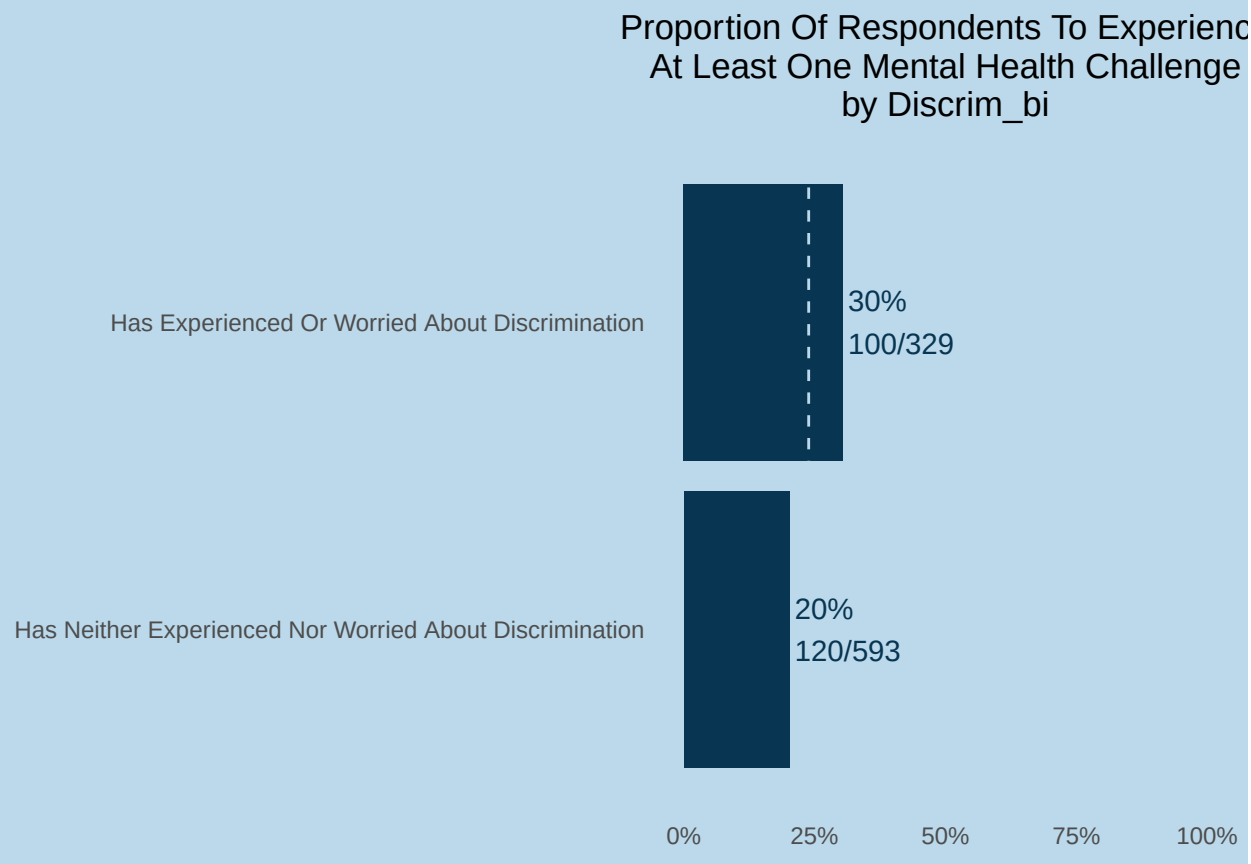
```
## `summarise()` has grouped output by 'name', 'label'. You can override using the
## `.groups` argument.
## Don't know how to automatically pick scale for object of type
## haven_labelled/vctrs_vctr/double. Defaulting to continuous.
```



4.12)People who have been discriminated against are more likely to experience at least one mental health challenge

Find respondents who have been discriminated against [37] Find proportion of subset that experienced at least one challenge in the last month [41] Find proportion not in subset and compare (test unequal proportions)

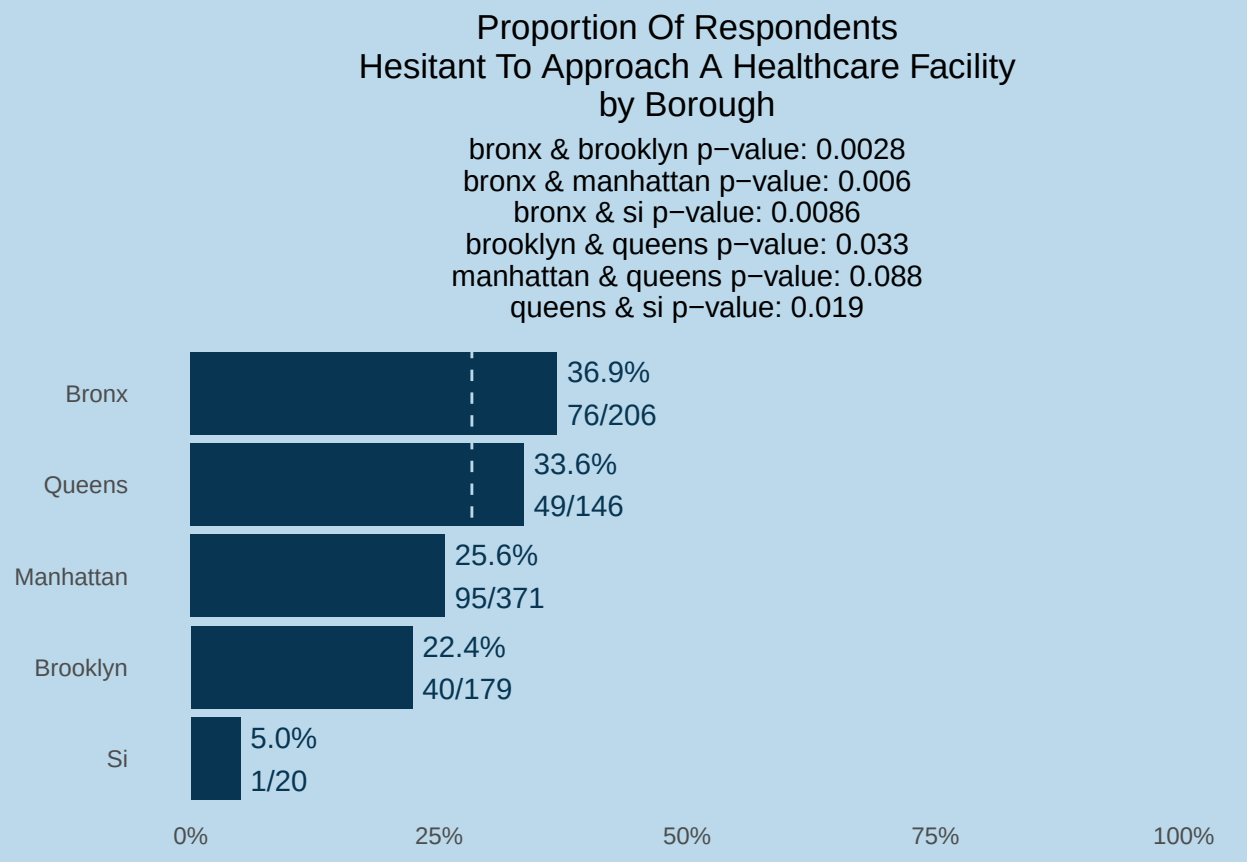

Proportion Of Respondents To Experienc
At Least One Mental Health Challenge
by Discrim_bi
Has Experienced Or Worried About Discrimination
86%
283/32
Has Neither Experienced Nor Worried About Discrimination
72%
425/593
0%
25%
50%
75%
100%



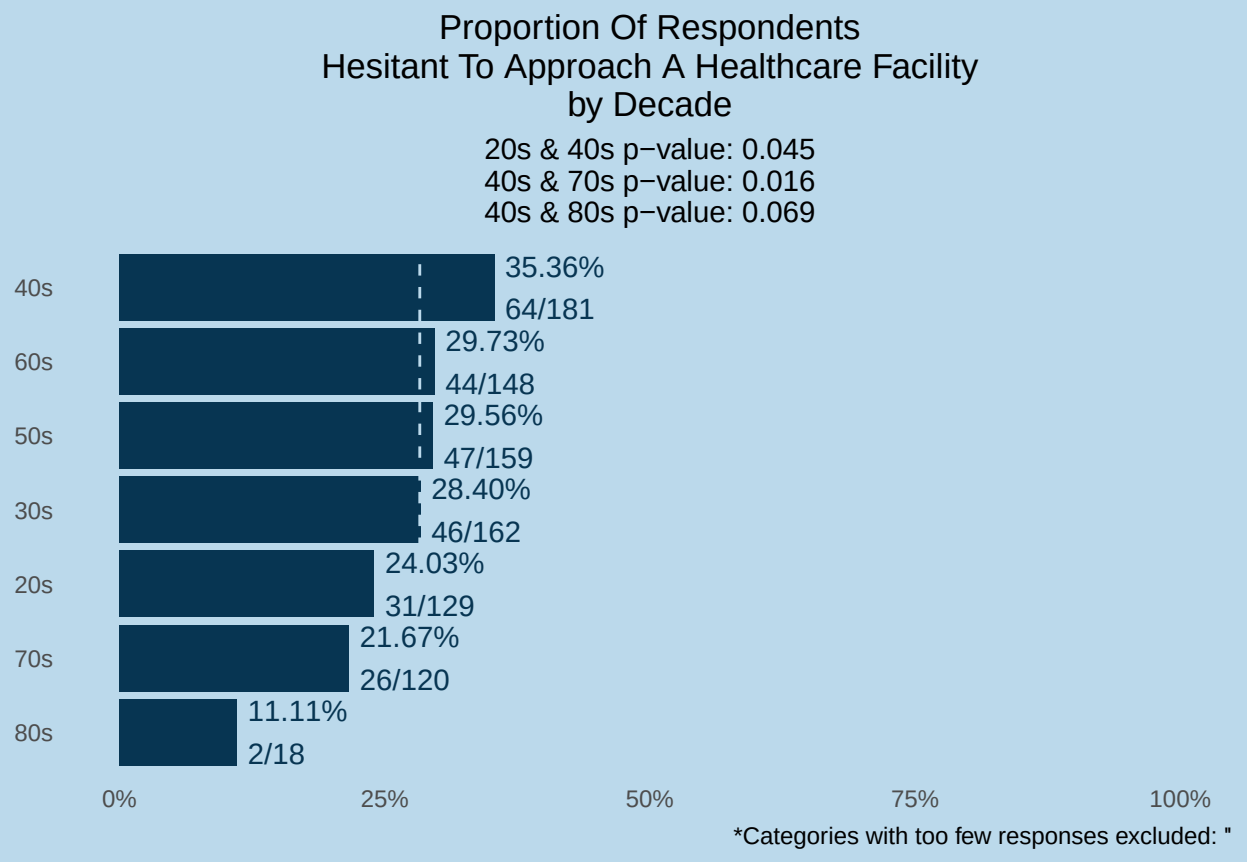
4.13) People who have expressed hesitancy since the city reopened in approaching a healthcare facility [40]

Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

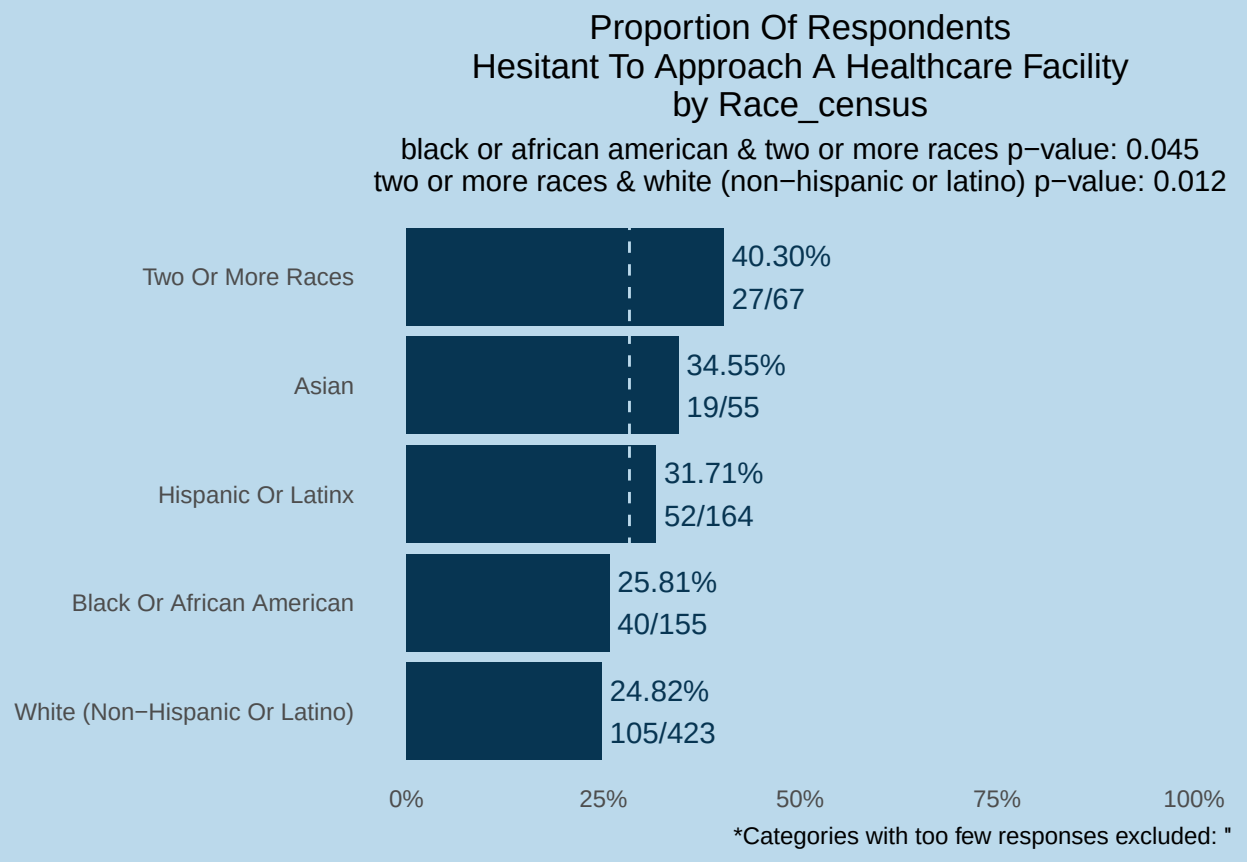
```
## $borough
```


Proportion Of Respondents
Hesitant To Approach A Healthcare Facility
by Borough
bronx & brooklyn p−value: 0.0028
bronx & manhattan p−value: 0.006
bronx & si p−value: 0.0086
brooklyn & queens p−value: 0.033
manhattan & queens p−value: 0.088
queens & si p−value: 0.019
Bronx
36.9%
76/206
Queens
33.6%
49/146
Manhattan
25.6%
95/371
Brooklyn
22.4%
40/179
Si
5.0%
1/20
0%
25%
50%
75%
100%

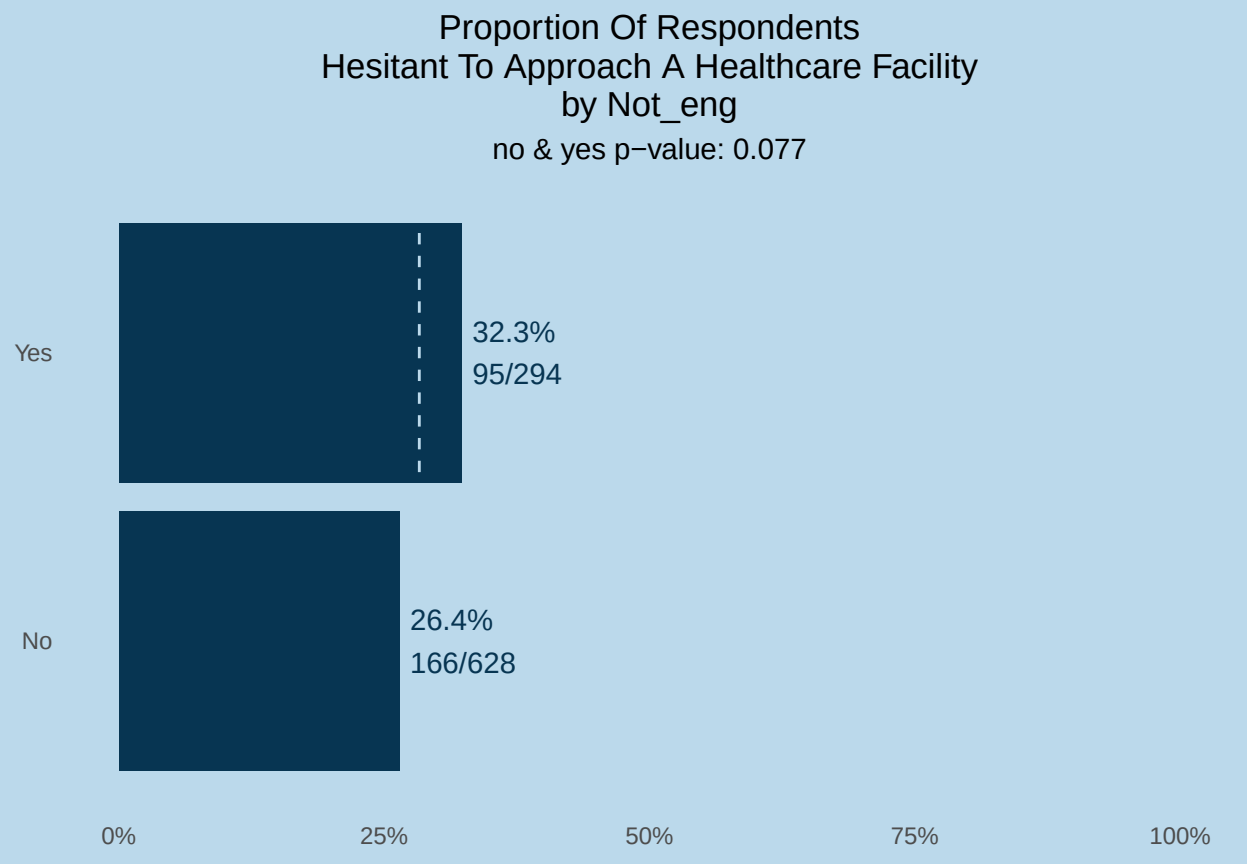
```
##
## $decade
```



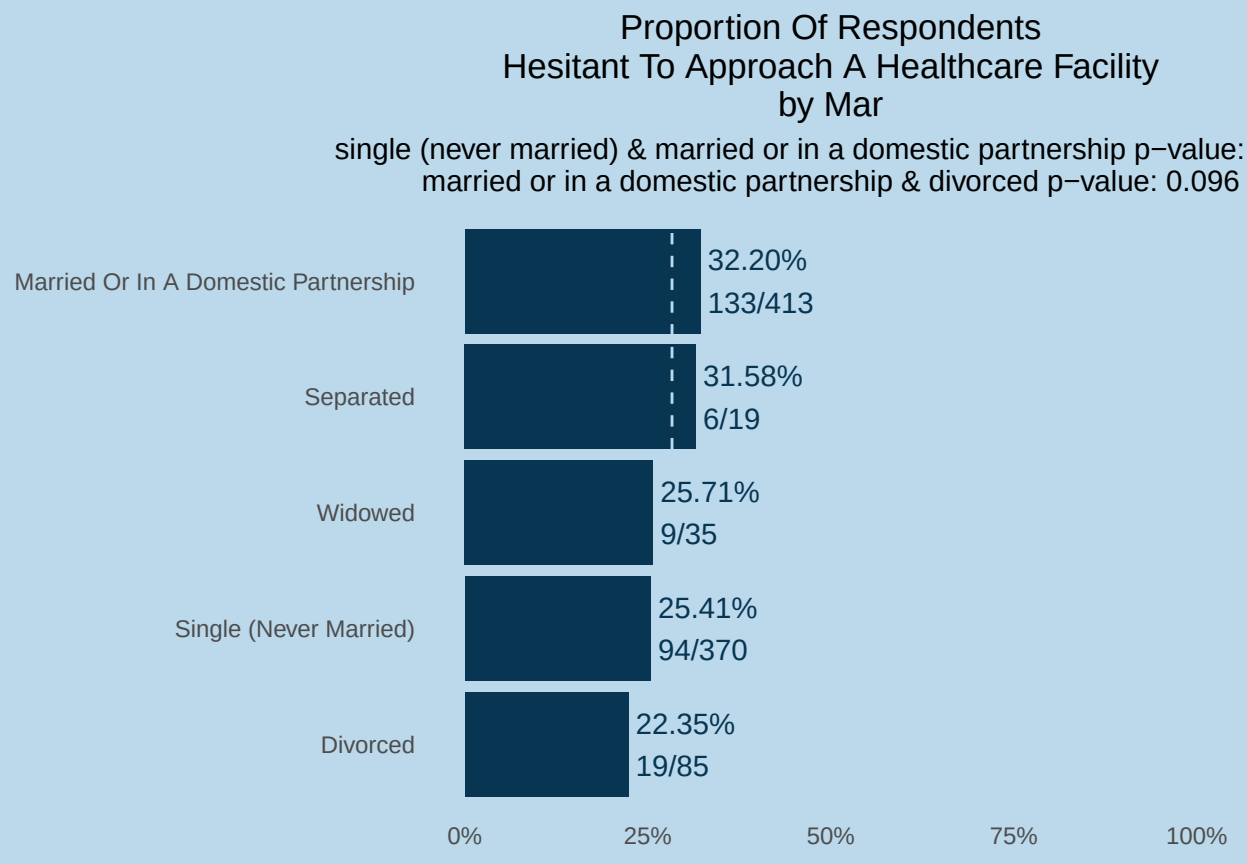

```
##
## $gen
## NULL
##
## $race_census
```


Proportion Of Respondents
Hesitant To Approach A Healthcare Facility
by Race_census
black or african american & two or more races p−value: 0.045
two or more races & white (non−hispanic or latino) p−value: 0.012
Two Or More Races
40.30%
27/67
Asian
34.55%
19/55
Hispanic Or Latinx
31.71%
52/164
Black Or African American
25.81%
40/155
White (Non−Hispanic Or Latino)
24.82%
105/423
0%
25%
50%
75%
100%
*Categories with too few responses excluded: "

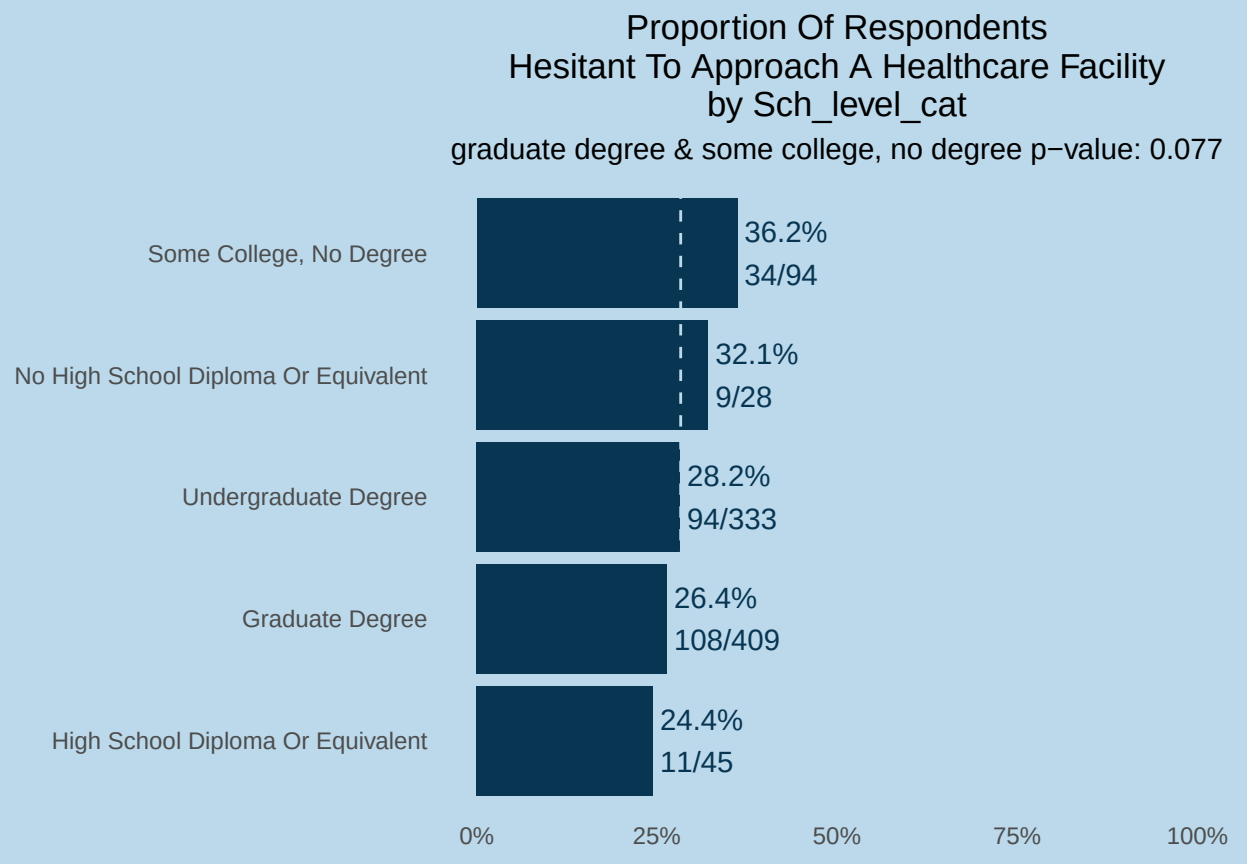
```
##
## $not_eng
```


Proportion Of Respondents
Hesitant To Approach A Healthcare Facility
by Not_eng
no & yes p−value: 0.077
Yes
No
32.3%
95/294
26.4%
166/628
0%
25%
50%
75%
100%

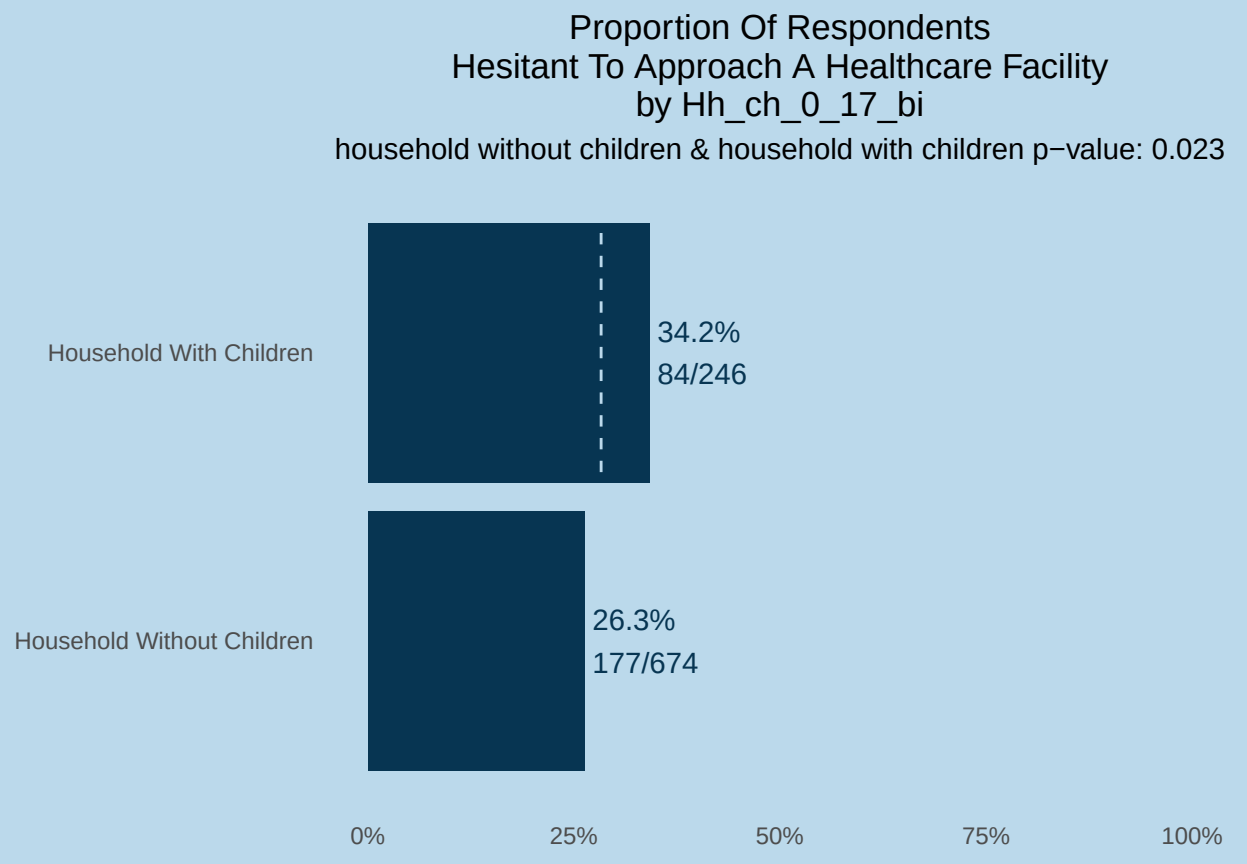
```
##
## $mar
```



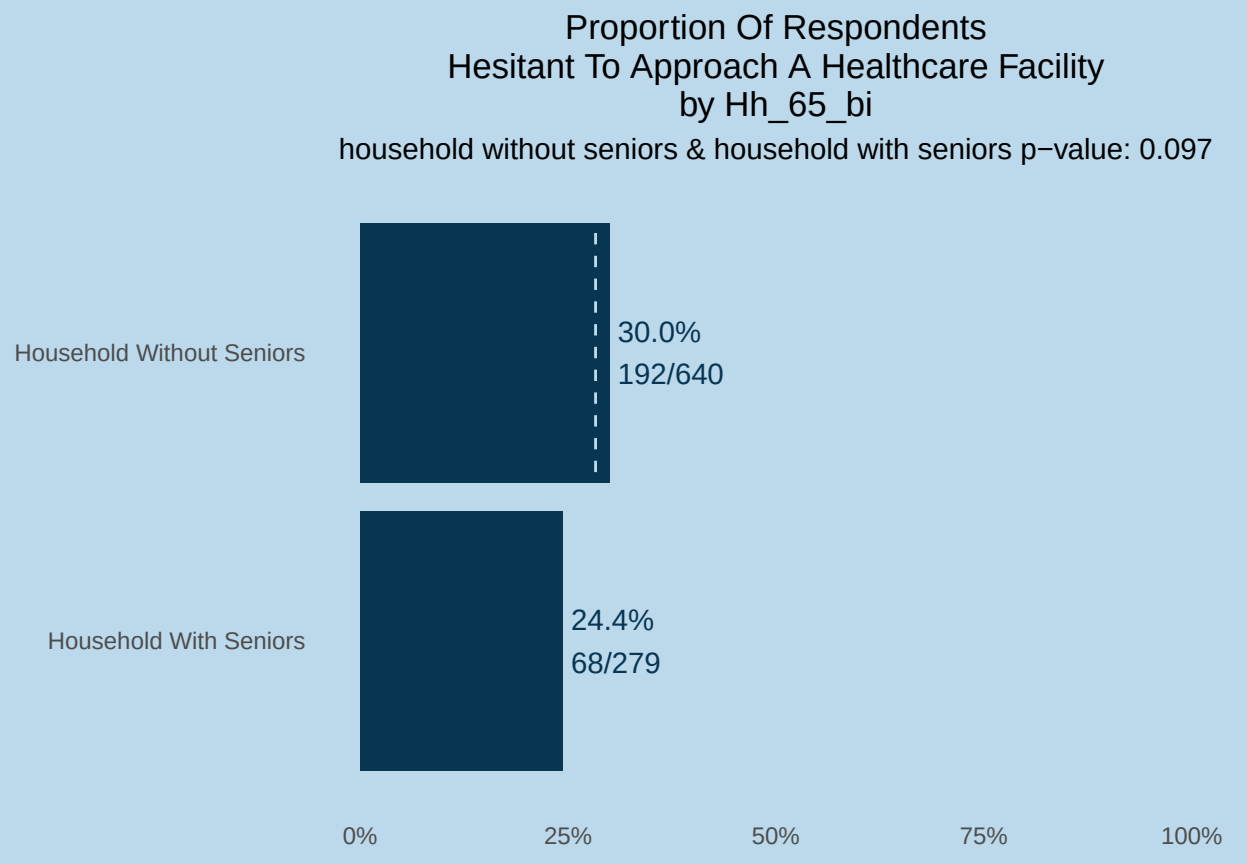

```
##
## $sch_level_cat
```


Proportion Of Respondents
Hesitant To Approach A Healthcare Facility
by Sch_level_cat
graduate degree & some college, no degree p−value: 0.077
Some College, No Degree
36.2%
34/94
No High School Diploma Or Equivalent
32.1%
9/28
Undergraduate Degree
28.2%
94/333
Graduate Degree
26.4%
108/409
High School Diploma Or Equivalent
24.4%
11/45
0%
25%
50%
75%
100%

```
##
## $hh_ch_0_17_bi
```


Proportion Of Respondents
Hesitant To Approach A Healthcare Facility
by Hh_ch_0_17_bi
household without children & household with children p−value: 0.023
Household With Children
34.2%
84/246
Household Without Children
26.3%
177/674
0%
25%
50%
75%
100%

```
##
## $hh_65_bi
```

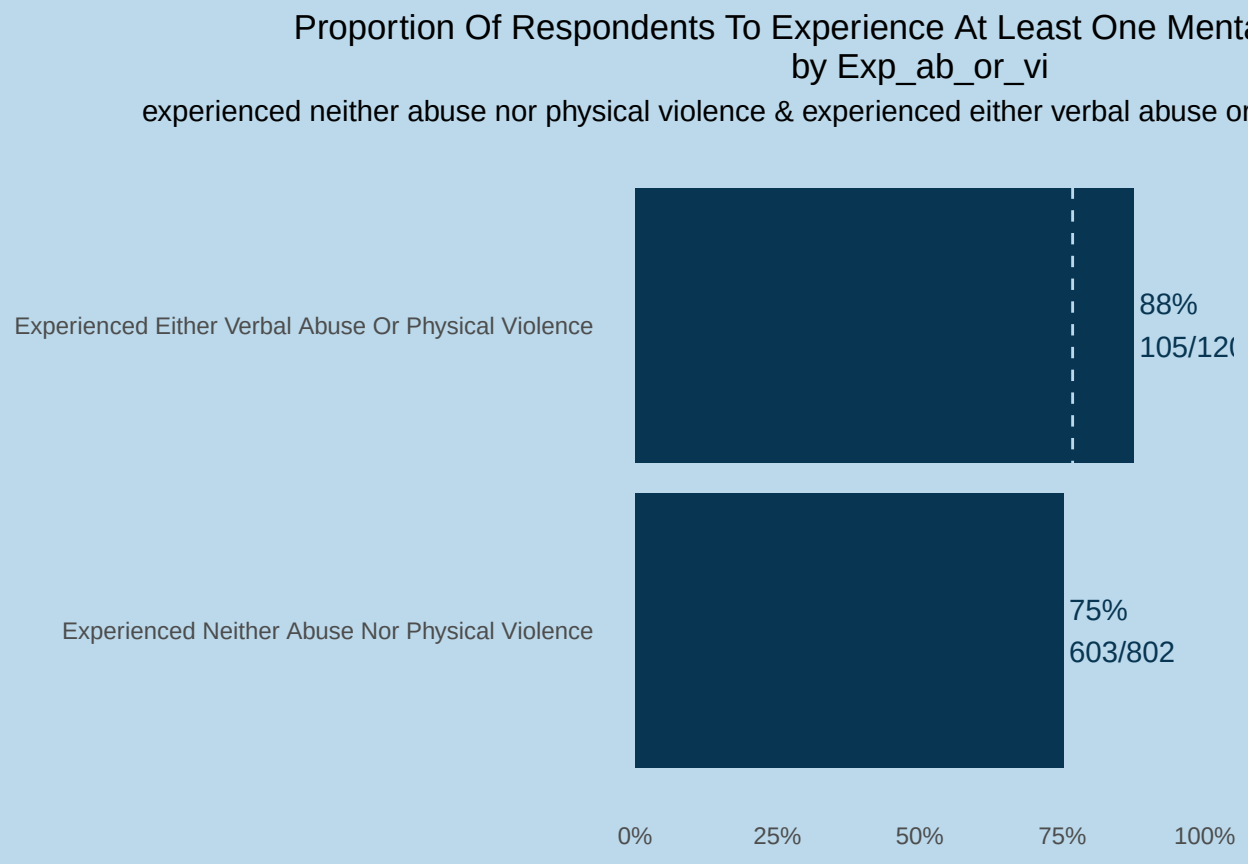



```
##
## $inc_dist
## NULL
##
## $emp_status_before
## NULL
##
## $emp_status_after
## NULL
##
## $res_cat
## NULL
```

4.11)People who have experienced abuse or violence are more likely to experience at least one mental health challenge

Run binary distribution over population [36] Yes = experienced verbal abuse or physical abuse No = has not experienced any abuse or violence Find respondents who have experienced violence or abuse Find proportion of subset that experienced at least one challenge in the last month [41] Find proportion not in subset and compare (test unequal proportions)

```
## $exp_ab_or_vi
```



4.14)Health will be positively correlated with going back to work in person for respondents above median age

Run distribution by age Look at health concerns as related to going back to work divided by age category

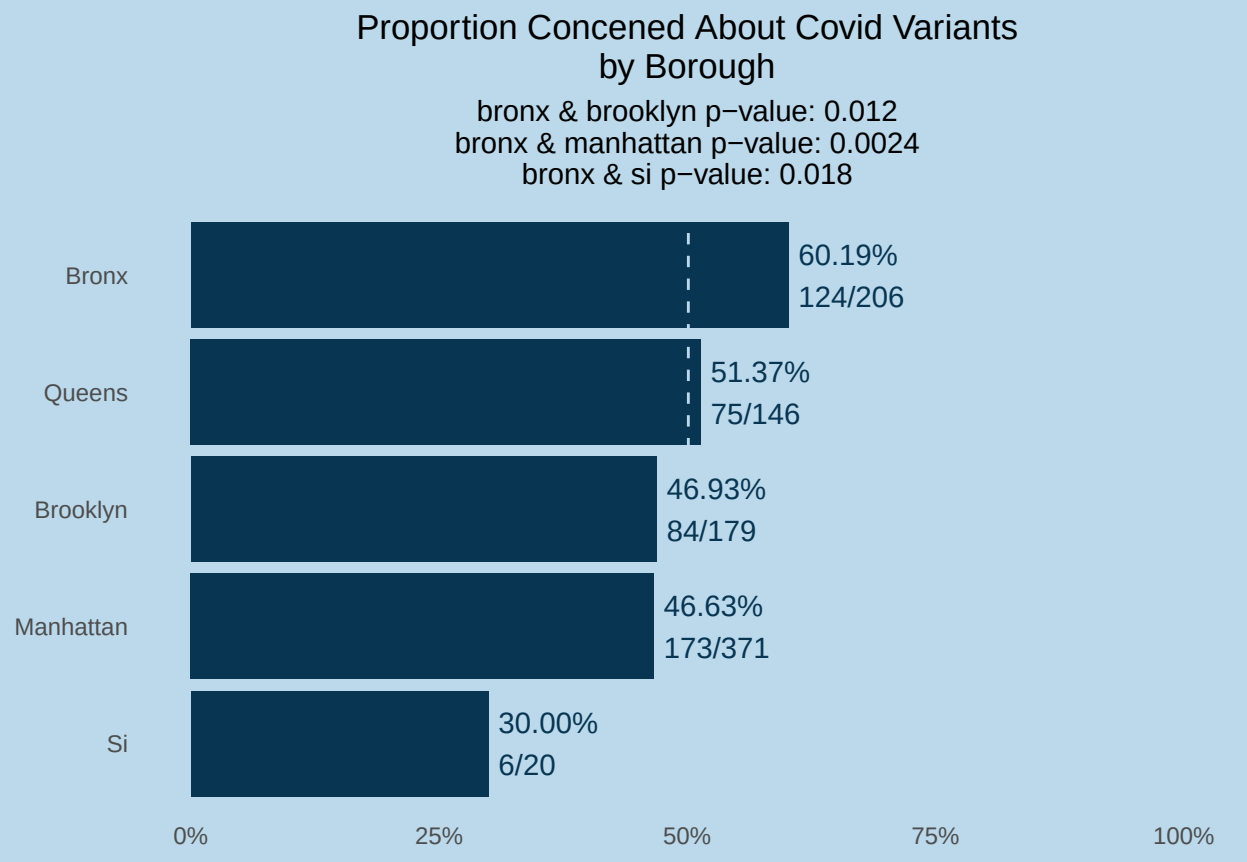
```
#not sure I understand

median_age <- median(wrangled$age)
```

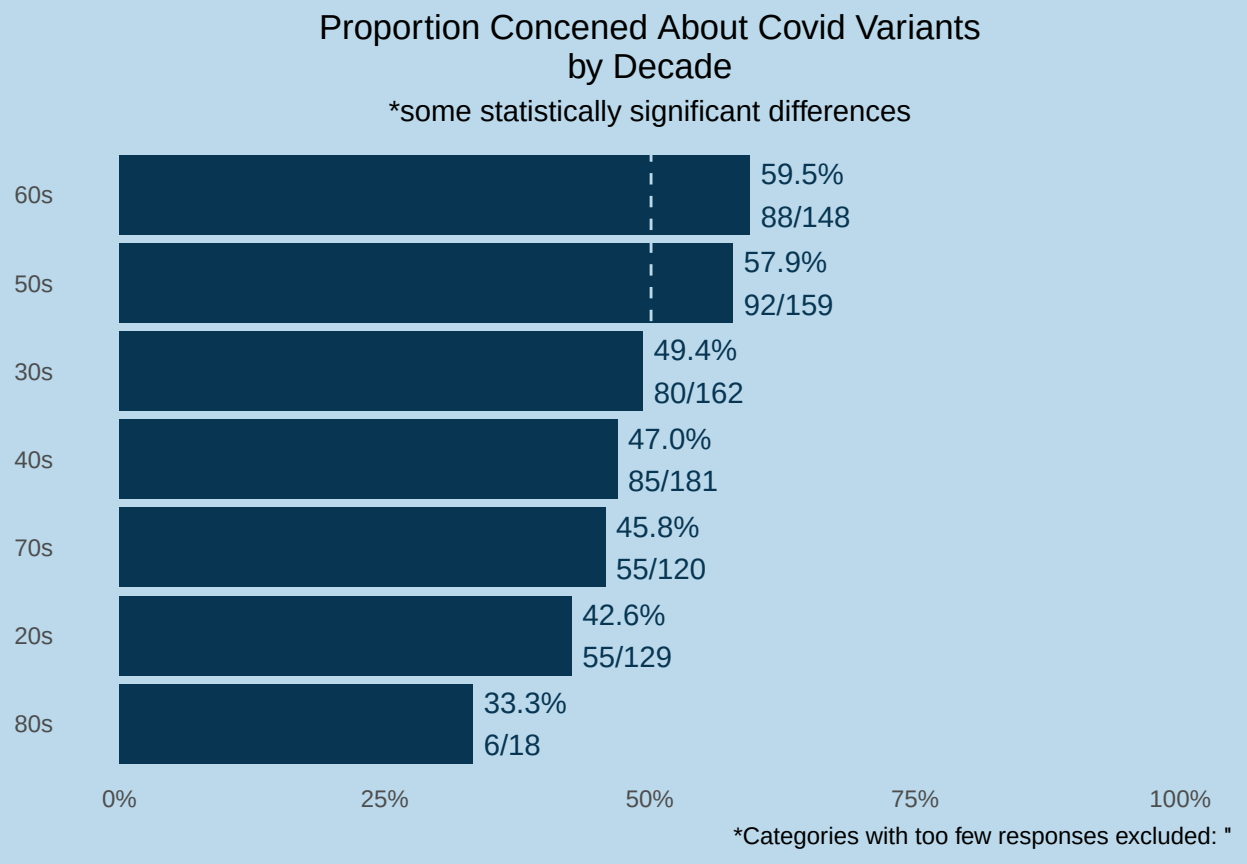
4.15) People who were concerned/ not concerned about the Delta variant

Run distribution over population Compare distribution by concern about Delta variant

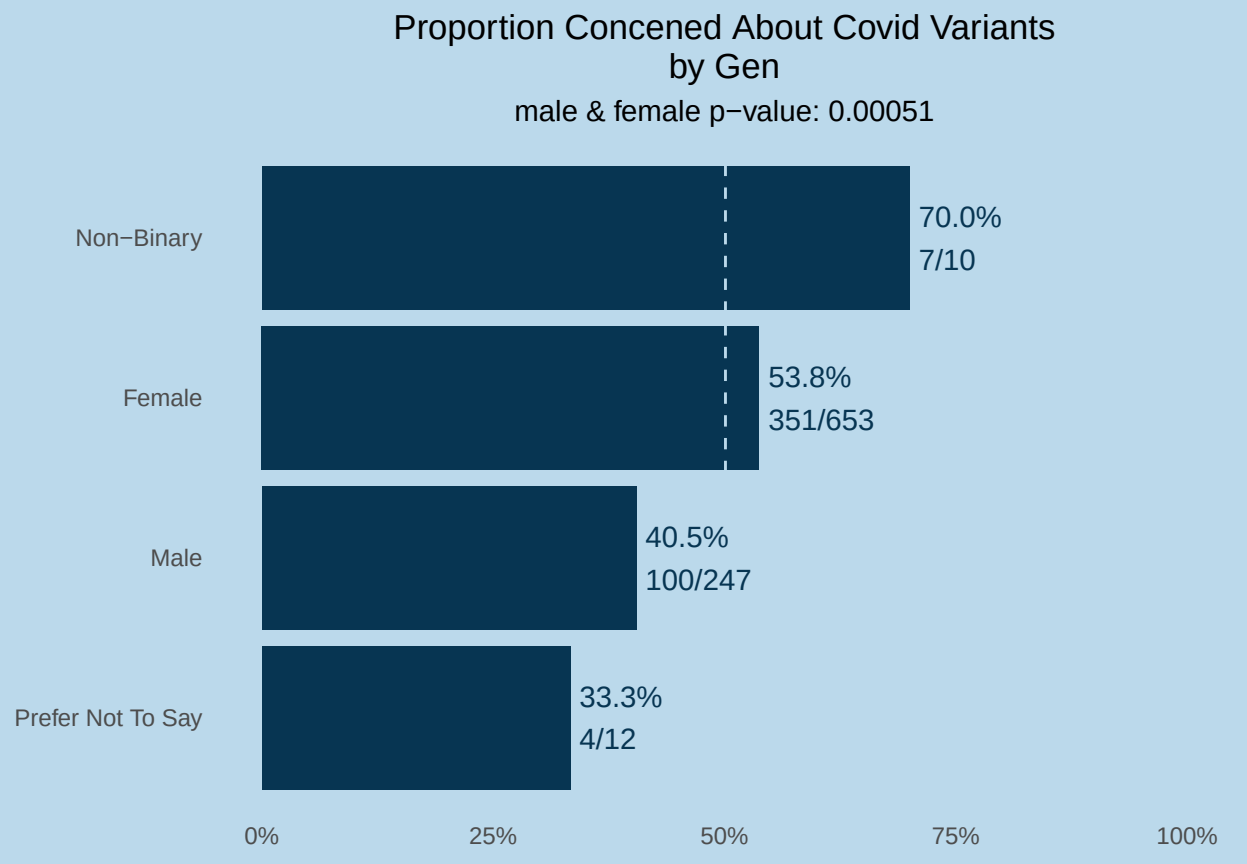
```
## $borough
```


Proportion Concened About Covid Variants
by Borough
bronx & brooklyn p−value: 0.012
bronx & manhattan p−value: 0.0024
bronx & si p−value: 0.018
Bronx
Queens
Brooklyn
Manhattan
Si
60.19%
124/206
51.37%
75/146
46.93%
84/179
46.63%
173/371
30.00%
6/20
0%
25%
50%
75%
100%

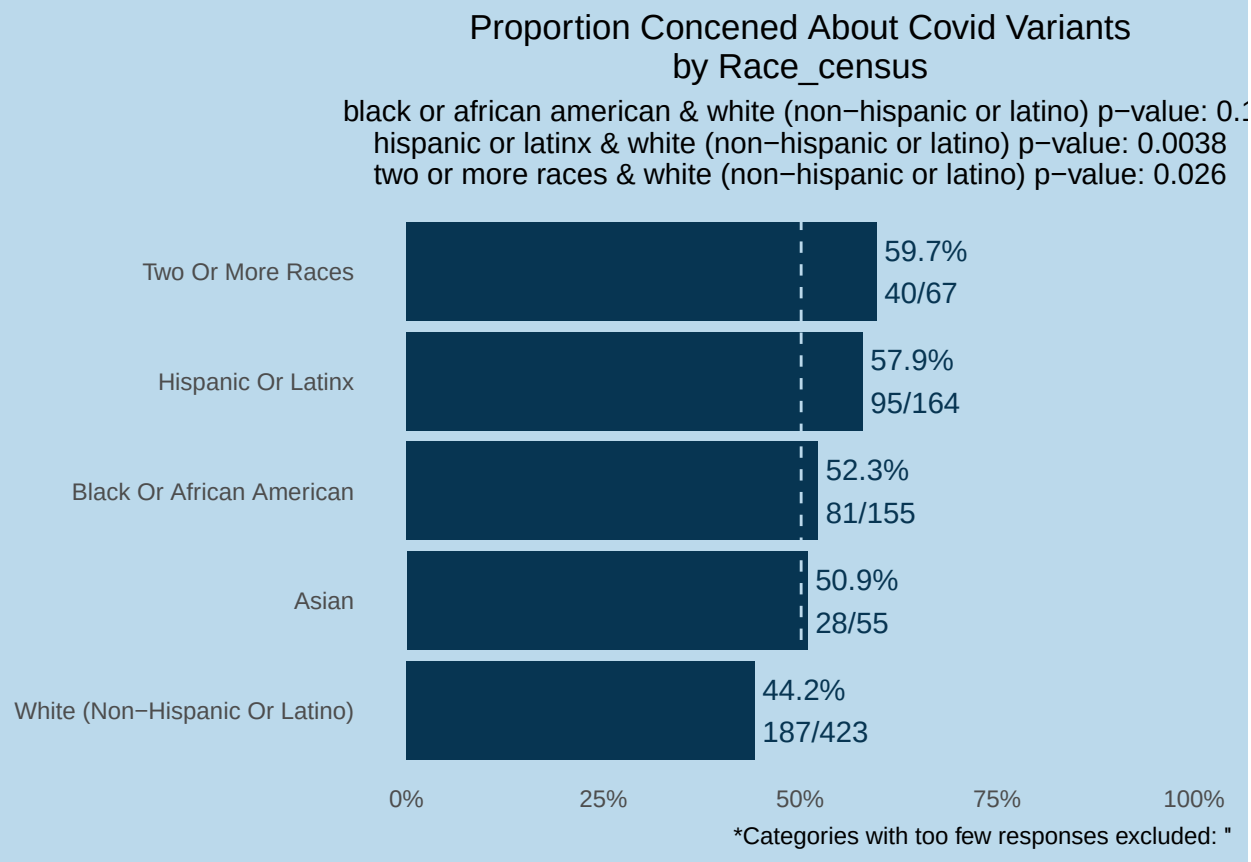
```
##
## $decade
```


Proportion Concened About Covid Variants
by Decade
*some statistically significant differences
60s
50s
30s
40s
70s
20s
80s
59.5%
88/148
57.9%
92/159
49.4%
80/162
47.0%
85/181
45.8%
55/120
42.6%
55/129
33.3%
6/18
0%
25%
50%
75%
100%
*Categories with too few responses excluded: "

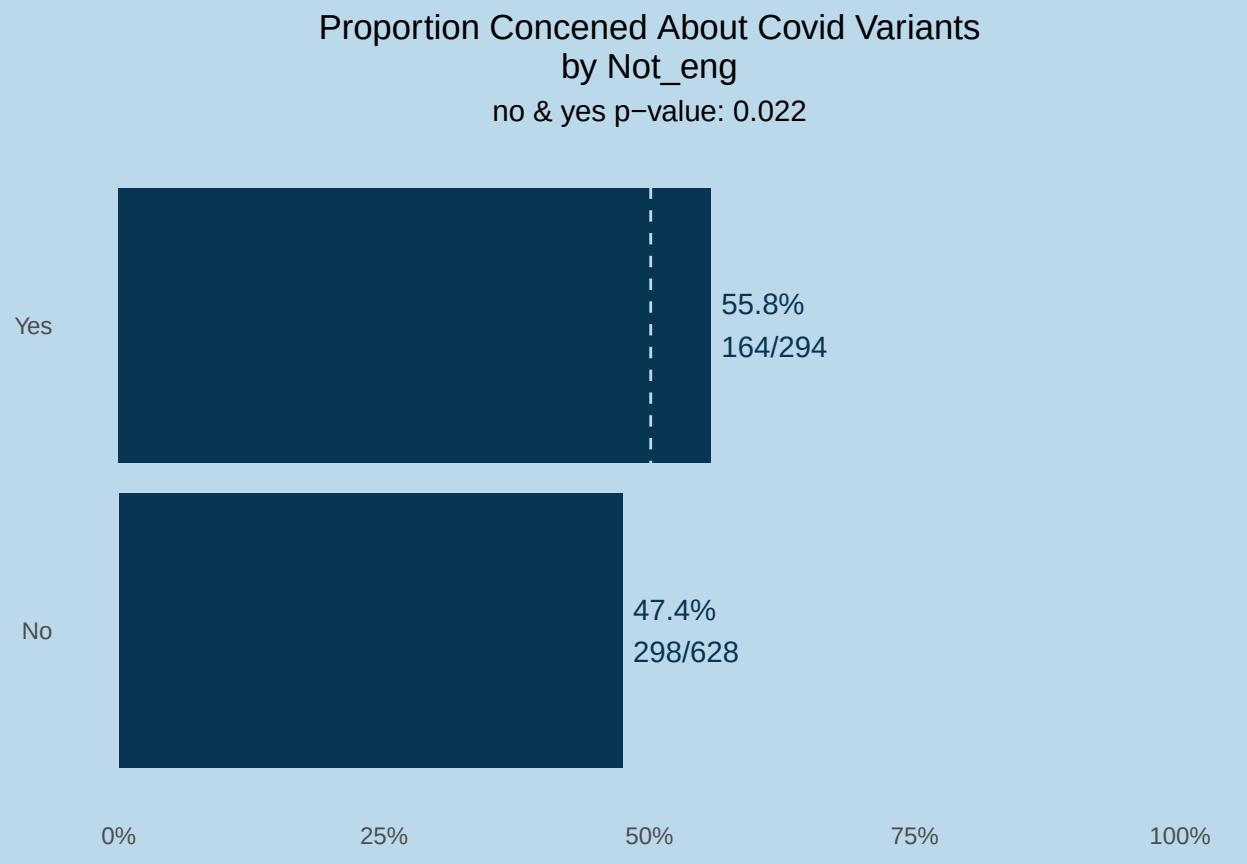
```
##
## $gen
```


Proportion Concened About Covid Variants
by Gen
male & female p−value: 0.00051
Non−Binary
Female
Male
Prefer Not To Say
70.0%
7/10
53.8%
351/653
40.5%
100/247
33.3%
4/12
0%
25%
50%
75%
100%

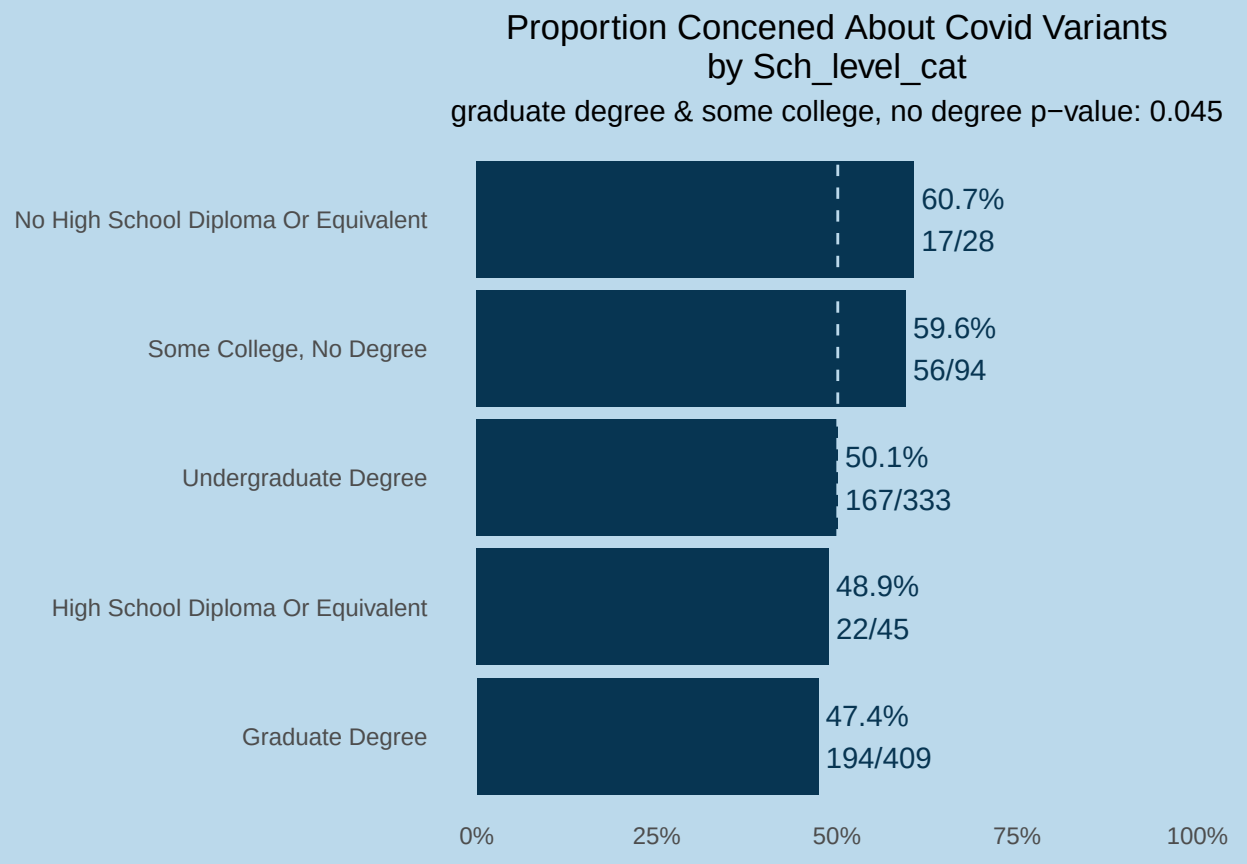
```
##
## $race_census
```


Proportion Concened About Covid Variants
by Race_census
black or african american & white (non−hispanic or latino) p−value: 0.1
hispanic or latinx & white (non−hispanic or latino) p−value: 0.0038
two or more races & white (non−hispanic or latino) p−value: 0.026
Two Or More Races
Hispanic Or Latinx
Black Or African American
Asian
White (Non−Hispanic Or Latino)
59.7%
40/67
57.9%
95/164
52.3%
81/155
50.9%
28/55
44.2%
187/423
0%
25%
50%
75%
100%
*Categories with too few responses excluded: "

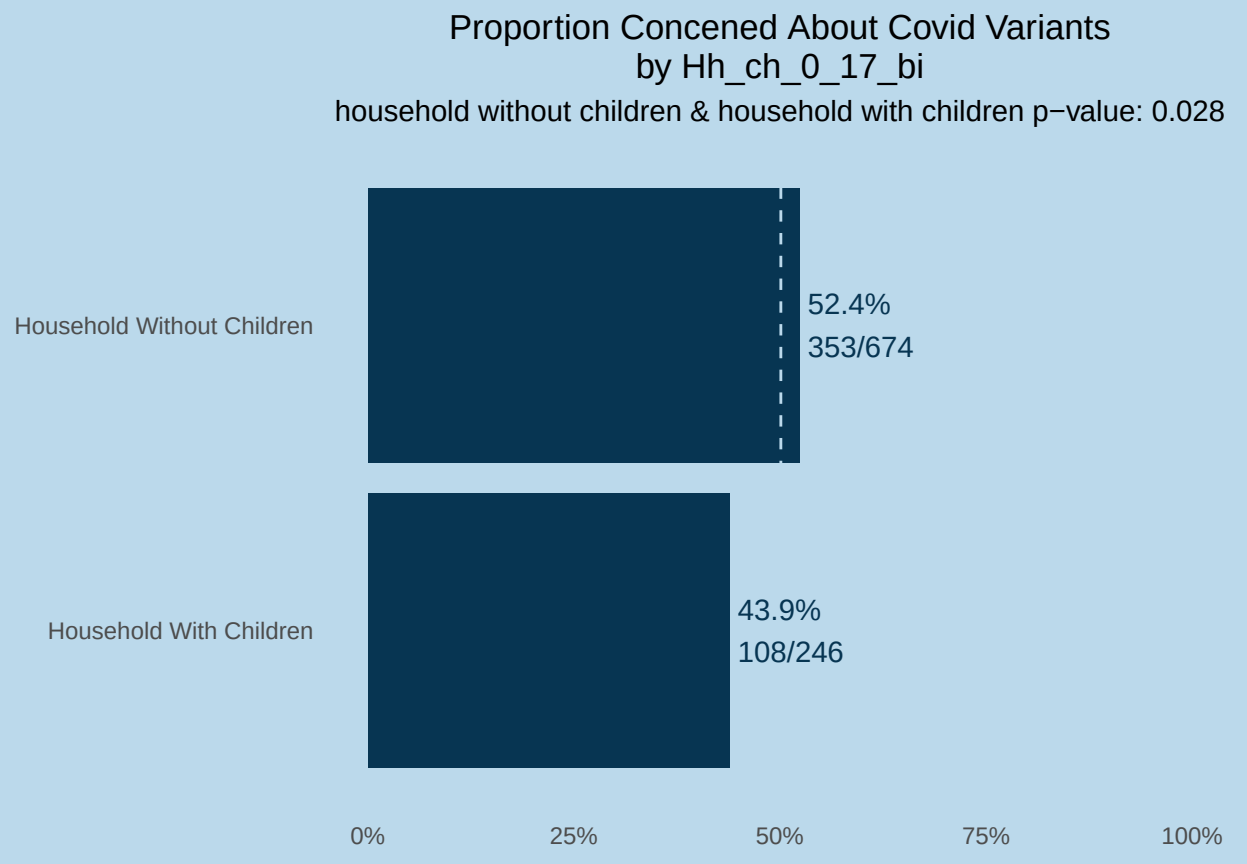
```
##
## $not_eng
```



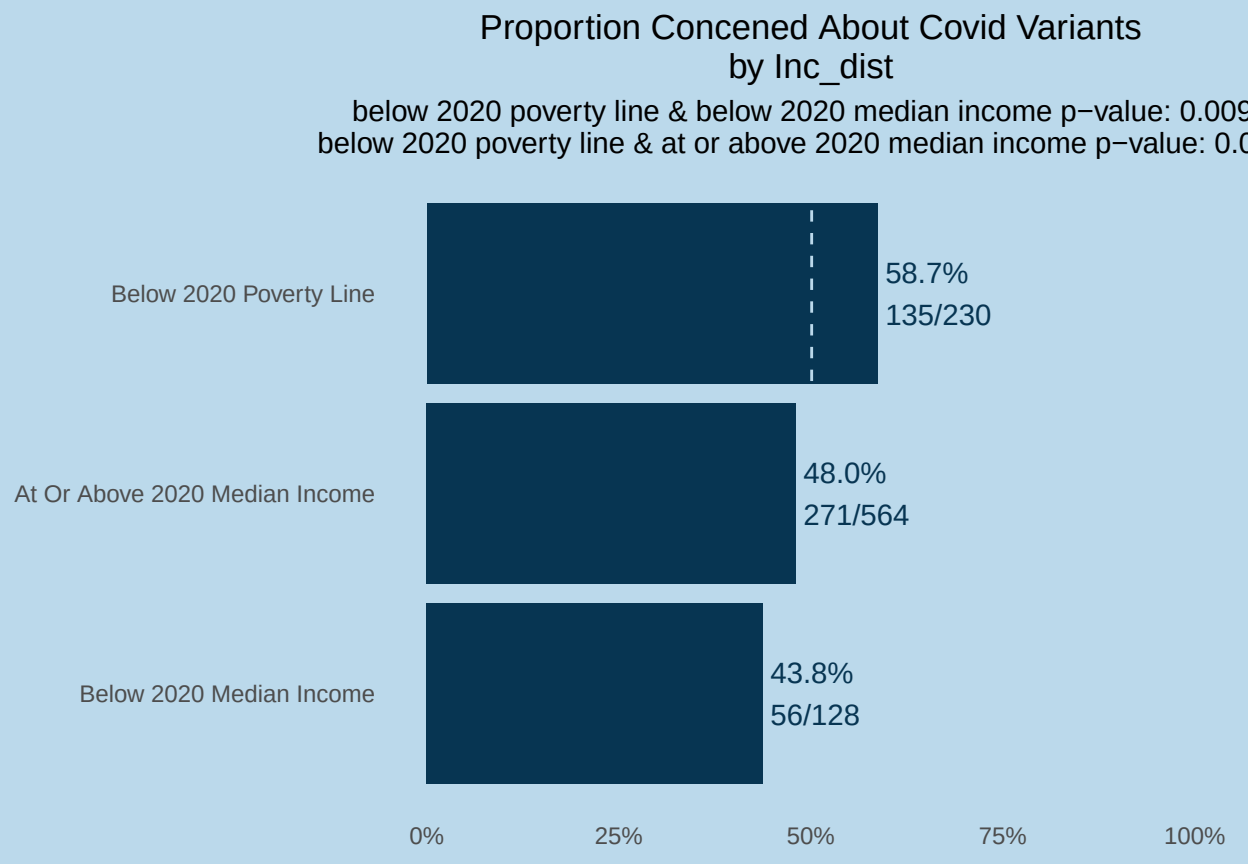

```
##
## $mar
## NULL
##
## $sch_level_cat
```


Proportion Concened About Covid Variants
by Sch_level_cat
graduate degree & some college, no degree p−value: 0.045
No High School Diploma Or Equivalent
Some College, No Degree
Undergraduate Degree
High School Diploma Or Equivalent
Graduate Degree
60.7%
17/28
59.6%
56/94
50.1%
167/333
48.9%
22/45
47.4%
194/409
0%
25%
50%
75%
100%

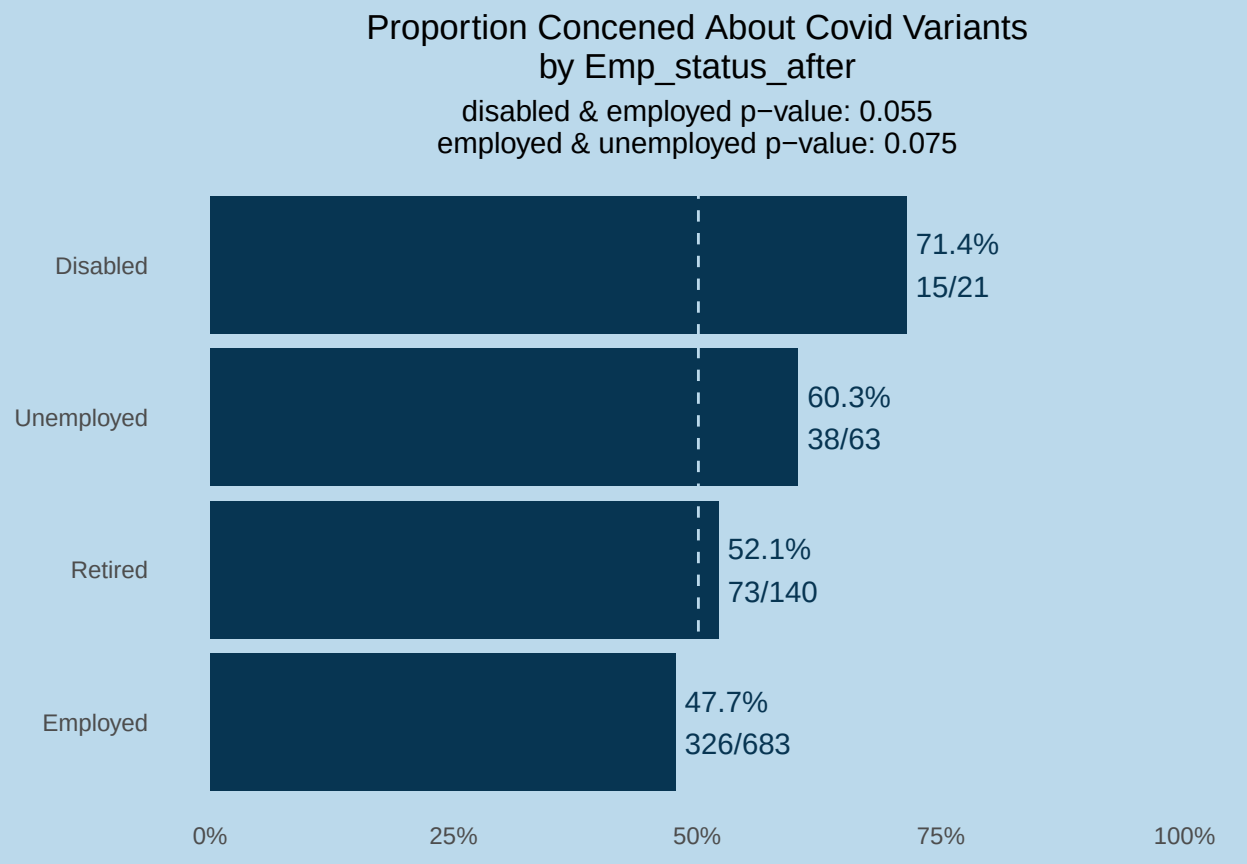
```
##
## $hh_ch_0_17_bi
```




```
##
## $hh_65_bi
## NULL
##
## $inc_dist
```




```
##
## $emp_status_before
## NULL
##
## $emp_status_after
```


Proportion Concened About Covid Variants
by Emp_status_after
disabled & employed p−value: 0.055
employed & unemployed p−value: 0.075
Disabled
Unemployed
Retired
Employed
71.4%
15/21
60.3%
38/63
52.1%
73/140
47.7%
326/683
0%
25%
50%
75%
100%

```
##
## $res_cat
## NULL
```