

Working report

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Survey questions

Q1. Before receiving this survey, did you know influenza is different from the stomach flu?

```
# Q1 summary
```

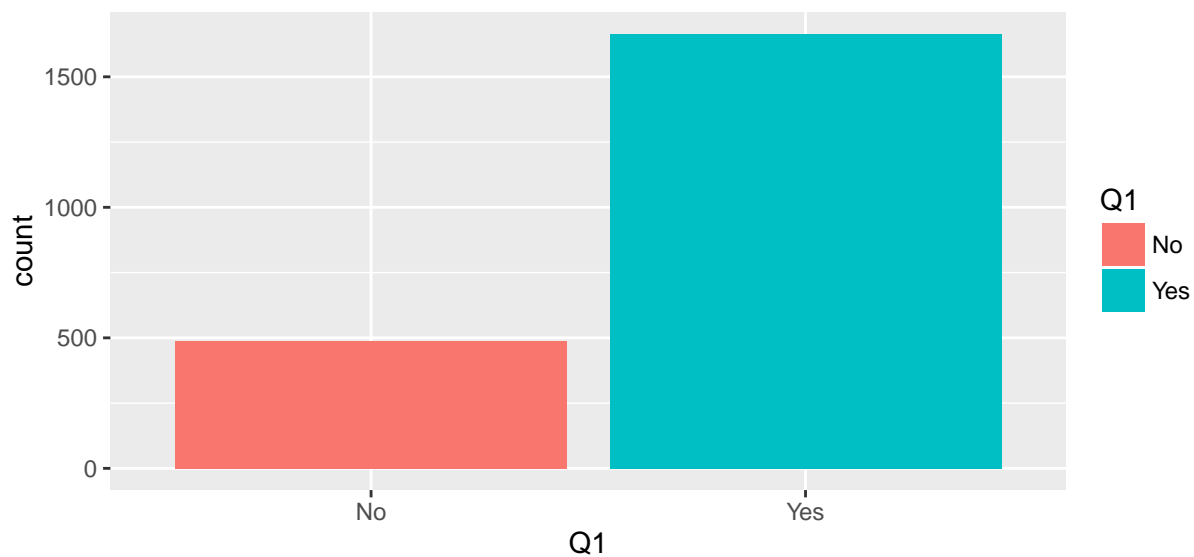
```
with(data2, table(Q1))
```

```
## Q1  
##   No  Yes  
## 488 1664
```

```
q1 <- data2 %>%  
  count(Q1)
```

```
# plot with this one
```

```
ggplot(data2[!is.na(data2$Q1), ]) + geom_bar(mapping = aes(x = Q1, fill = Q1))
```



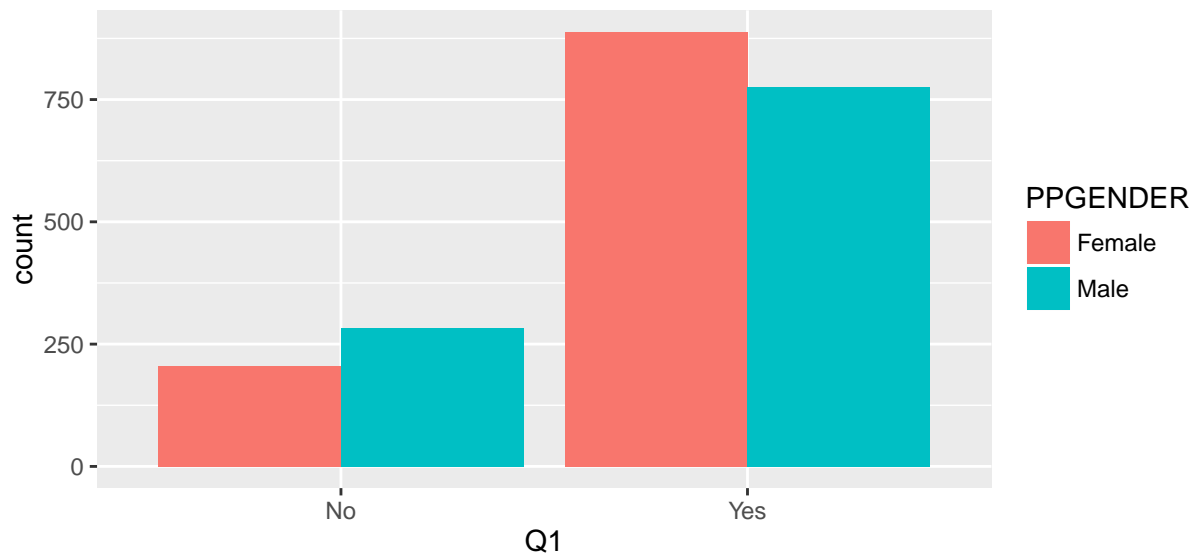
```
# plot without na's
#ggplot(q1[!is.na(q1$Q1), ], aes(x = Q1, y = n, fill = Q1)) +
# geom_bar(stat = 'identity', position = position_dodge())
```

```
# by gender, PPGENDER
with(data2, table(PPGENDER, Q1))
```

```
##           Q1
## PPGENDER  No Yes
##   Female 205 888
##   Male   283 776
```

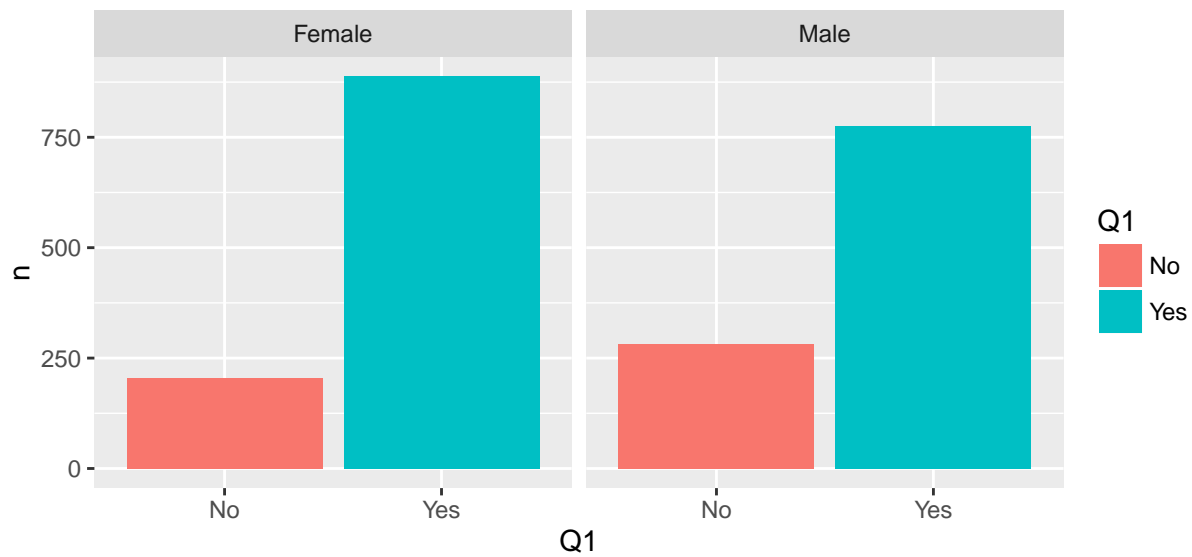
```
q1 <- data2 %>%
  count(Q1, PPGENDER)
```

```
# plot
ggplot(data2[!is.na(data2$Q1), ]) + geom_bar(mapping = aes(x = Q1, fill = PPGENDER), position = position_dodge())
```



```
# ggplot(q1[!is.na(q1$Q1), ], aes(x = Q1, y = n, fill = PPGENDER)) +
# geom_bar(stat = 'identity', position = position_dodge())
```

```
# plot with facet
ggplot(q1[!is.na(q1$Q1), ], aes(x = Q1, y = n, fill = Q1)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~PPGENDER)
```

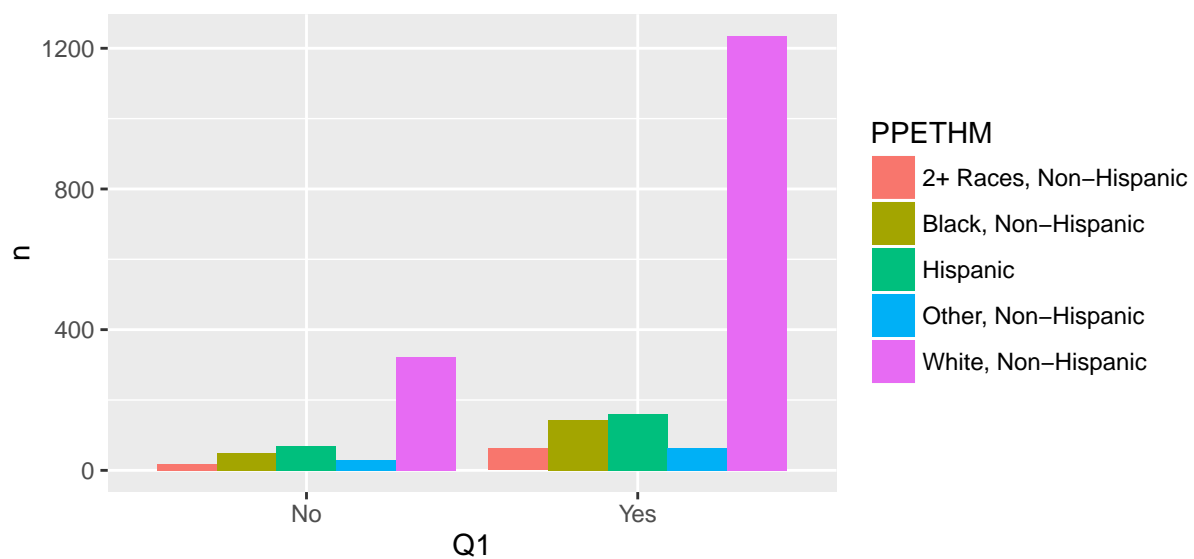


```
# by ethnicity, PPETHM
with(data2, table(PPETHM, Q1))
```

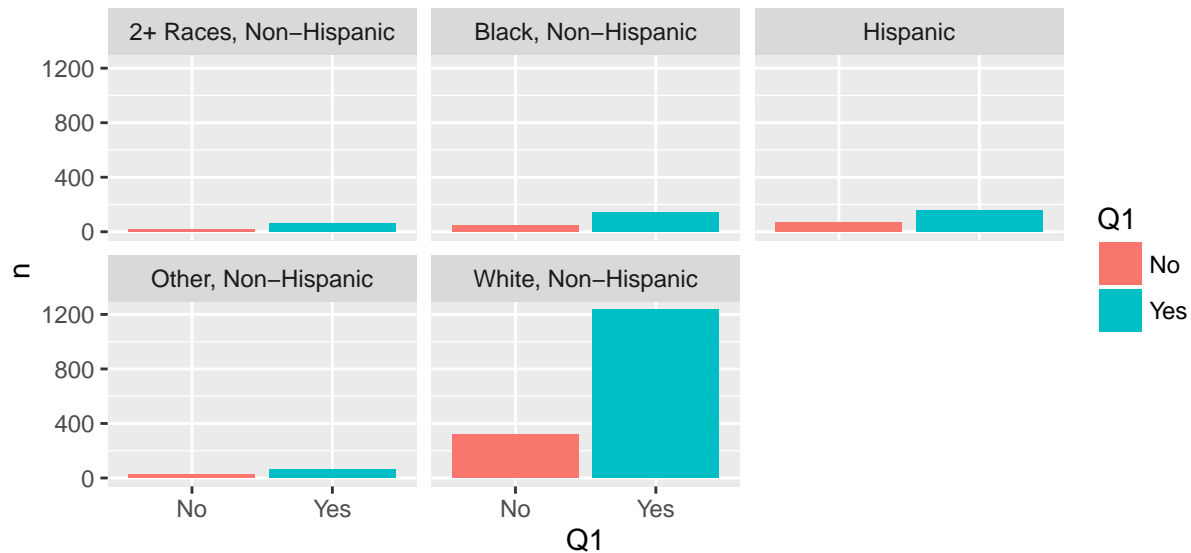
```
##
##      Q1
## PPETHM      No  Yes
## 2+ Races, Non-Hispanic    18   62
## Black, Non-Hispanic      50  143
## Hispanic                 69  161
## Other, Non-Hispanic      29   63
## White, Non-Hispanic     322 1235
```

```
q1 <- data2 %>%
  count(Q1, PPETHM)

# plot
ggplot(q1[!is.na(q1$Q1), ], aes(x = Q1, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



```
# plot with facet
ggplot(q1[!is.na(q1$Q1)], , aes(x = Q1, y = n, fill = Q1)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~PPETHM)
```

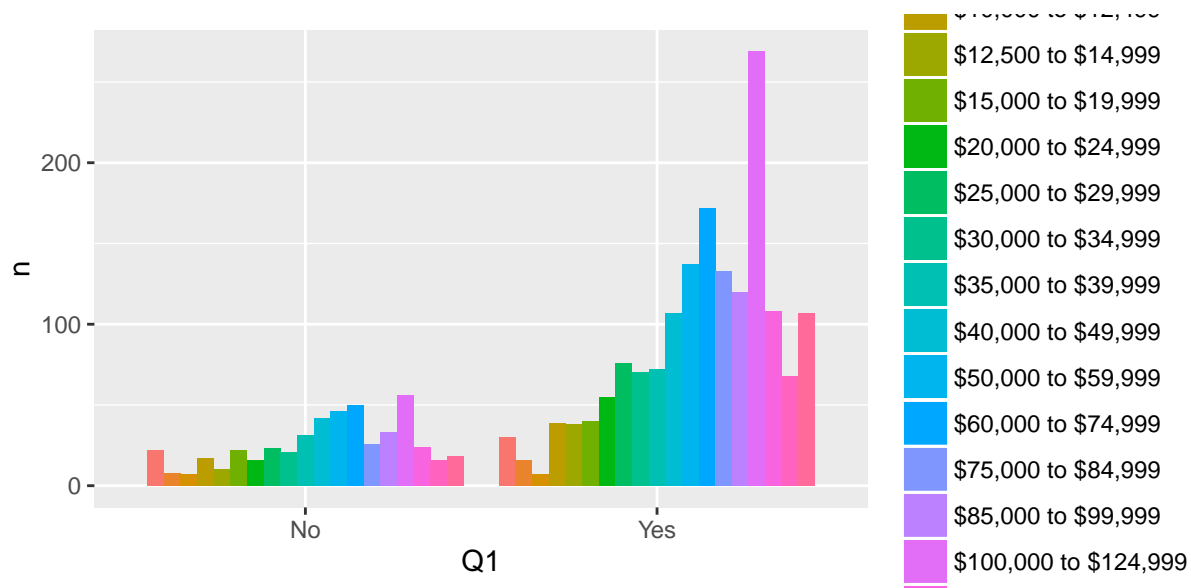


```
# by income, PPINCIMP
with(data2, table(PPINCIMP, Q1))
```

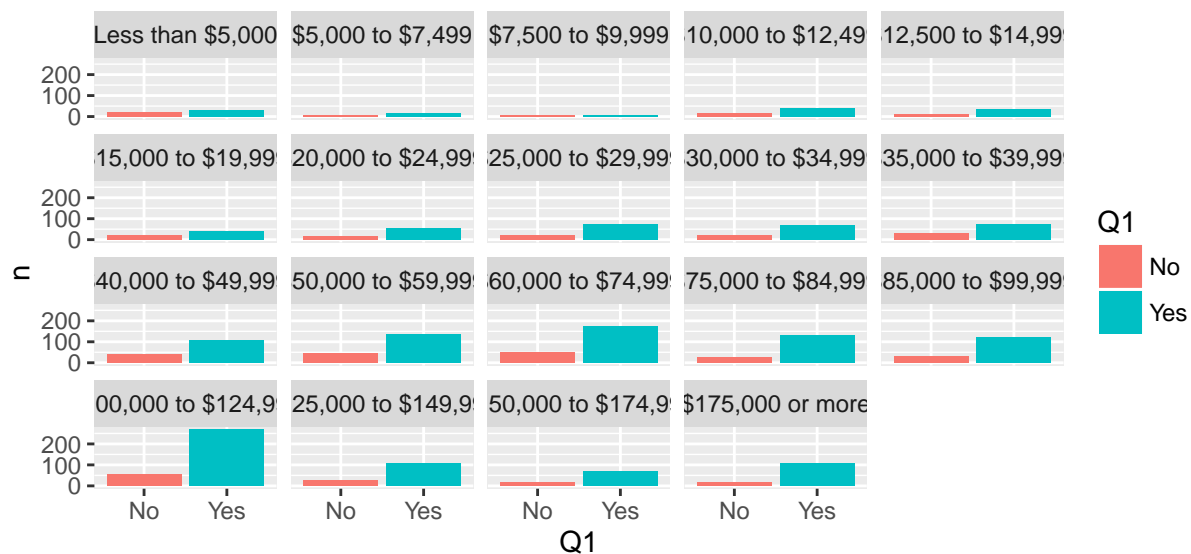
```
##
##      Q1
## PPINCIMP    No Yes
## Less than $5,000    22 30
## $5,000 to $7,499    8 16
## $7,500 to $9,999    7  7
## $10,000 to $12,499   17 39
## $12,500 to $14,999   10 38
## $15,000 to $19,999   22 40
## $20,000 to $24,999   16 55
## $25,000 to $29,999   23 76
## $30,000 to $34,999   21 70
## $35,000 to $39,999   31 72
## $40,000 to $49,999   42 107
## $50,000 to $59,999   46 137
## $60,000 to $74,999   50 172
## $75,000 to $84,999   26 133
## $85,000 to $99,999   33 120
## $100,000 to $124,999  56 269
## $125,000 to $149,999  24 108
## $150,000 to $174,999  16  68
## $175,000 or more    18 107
```

```
q1 <- data2 %>%
  count(Q1, PPINCIMP)

# plot
ggplot(q1[!is.na(q1$Q1)], , aes(x = Q1, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



```
# plot with facet
ggplot(q1[!is.na(q1$Q1), ], aes(x = Q1, y = n, fill = Q1)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~PPINCIMP)
```

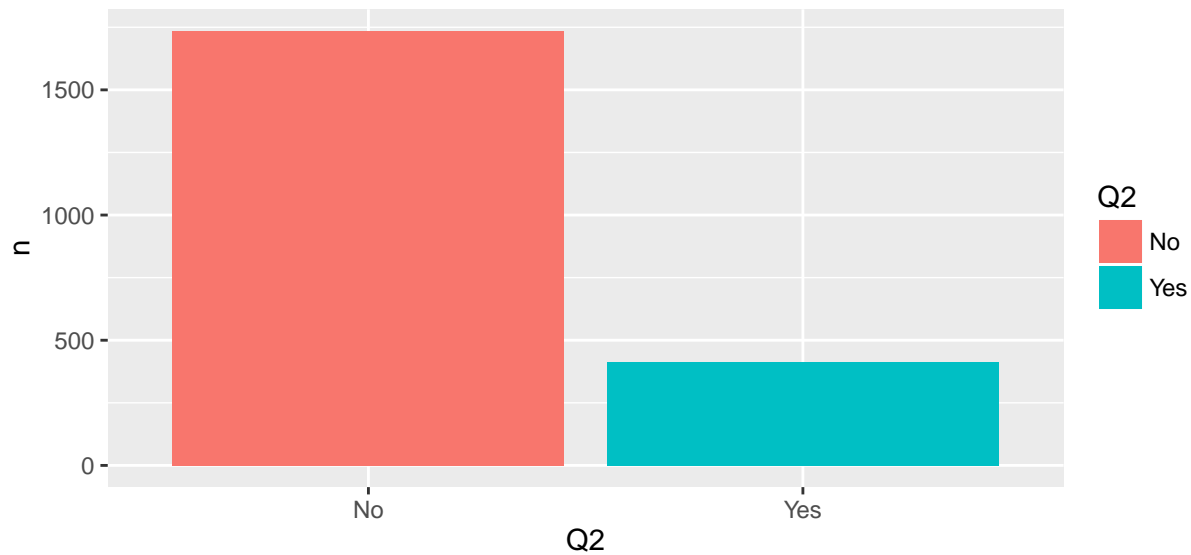


Q2. Have you had an illness with influenza-like symptoms since August 2015?

```
#
with(data2, table(Q2))
```

```
## Q2
##   No  Yes
## 1735 414
```

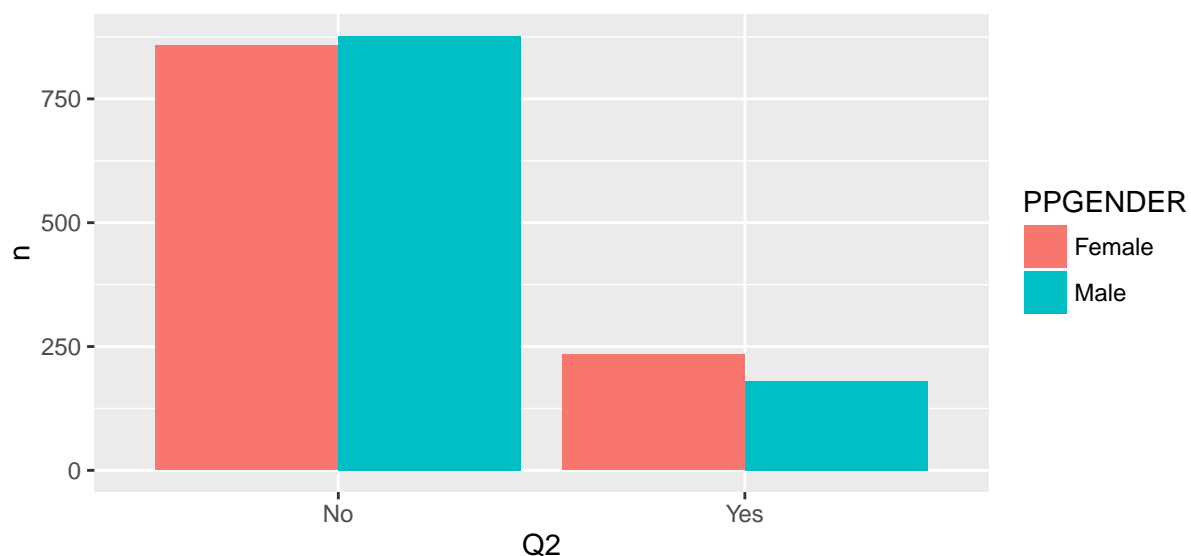
```
q2 <- data2 %>%
  count(Q2)
ggplot(q2, aes(x = Q2, y = n, fill = Q2)) + geom_bar(stat = 'identity')
```



```
# by gender
with(data2, table(Q2, PPGENDER))
```

```
##      PPGENDER
## Q2   Female Male
## No    858  877
## Yes   234  180
```

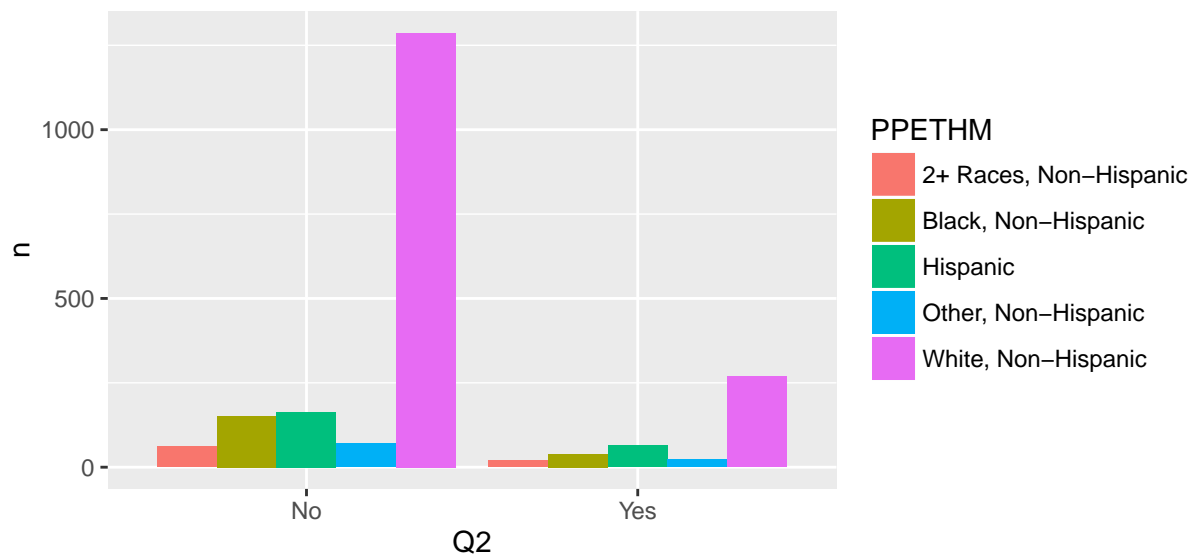
```
q2 <- data2 %>%
  count(Q2, PPGENDER)
ggplot(q2, aes(x = Q2, y = n, fill = PPGENDER)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



```
# by ethnicity
with(data2, table(Q2, PPETHM))
```

```
##      PPETHM
## Q2    2+ Races, Non-Hispanic Black, Non-Hispanic Hispanic
## No           61           152           164
## Yes          19           39           65
##      PPETHM
## Q2    Other, Non-Hispanic White, Non-Hispanic
## No           71          1287
## Yes          22          269
```

```
q2 <- data2 %>%
  count(Q2, PPETHM)
ggplot(q2, aes(x = Q2, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

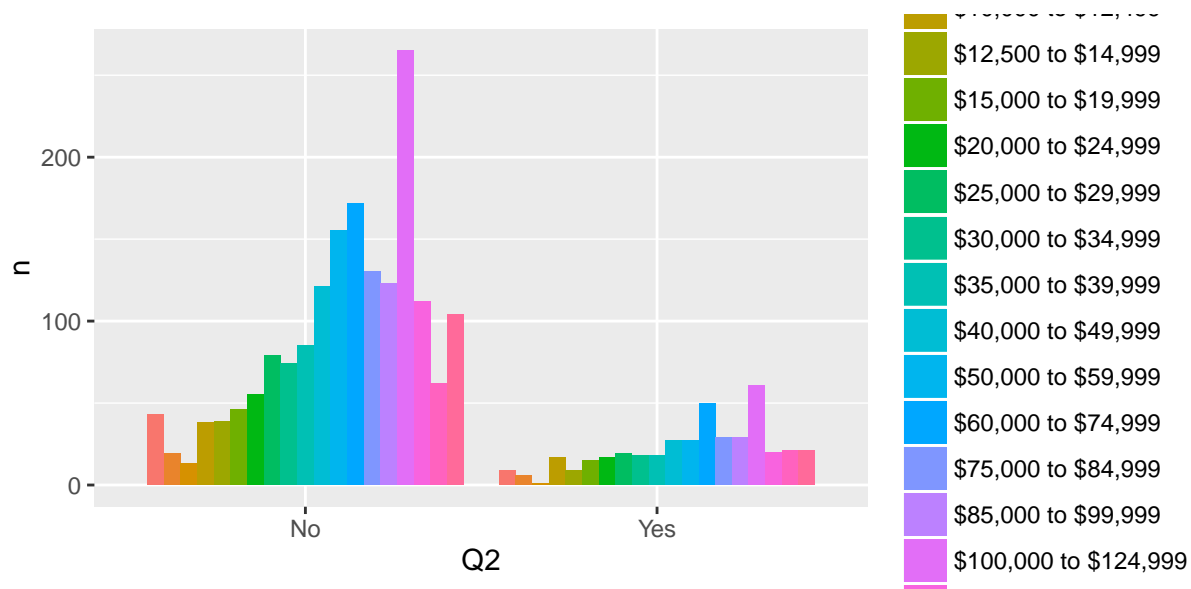


```
# by income
with(data2, table(Q2, PPINCIMP))
```

```
##      PPINCIMP
## Q2    Less than $5,000 $5,000 to $7,499 $7,500 to $9,999
## No           43           19           13
## Yes           9           6           1
##      PPINCIMP
## Q2    $10,000 to $12,499 $12,500 to $14,999 $15,000 to $19,999
## No           38           39           46
## Yes          17           9           15
##      PPINCIMP
## Q2    $20,000 to $24,999 $25,000 to $29,999 $30,000 to $34,999
## No           55           79           74
## Yes          17           19           18
##      PPINCIMP
## Q2    $35,000 to $39,999 $40,000 to $49,999 $50,000 to $59,999
```

```
## No 85 121 155
## Yes 18 27 27
## PPINCIMP
## Q2 $60,000 to $74,999 $75,000 to $84,999 $85,000 to $99,999
## No 172 130 123
## Yes 50 29 29
## PPINCIMP
## Q2 $100,000 to $124,999 $125,000 to $149,999 $150,000 to $174,999
## No 265 112 62
## Yes 61 20 21
## PPINCIMP
## Q2 $175,000 or more
## No 104
## Yes 21
```

```
q2 <- data2 %>%
  count(Q2, PPINCIMP)
ggplot(q2, aes(x = Q2, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



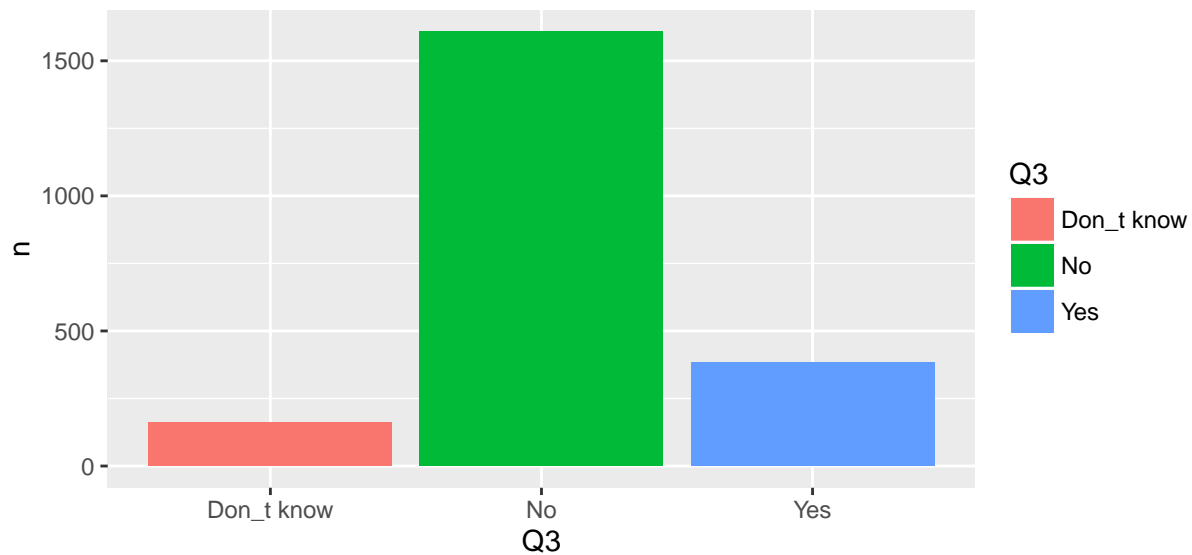
Q3. Has any other person in your household had an illness with influenza like symptoms since August 2015?

```
# all
with(data2, table(Q3))
```

```
## Q3
## Don't know No Yes
## 161 1608 383
```



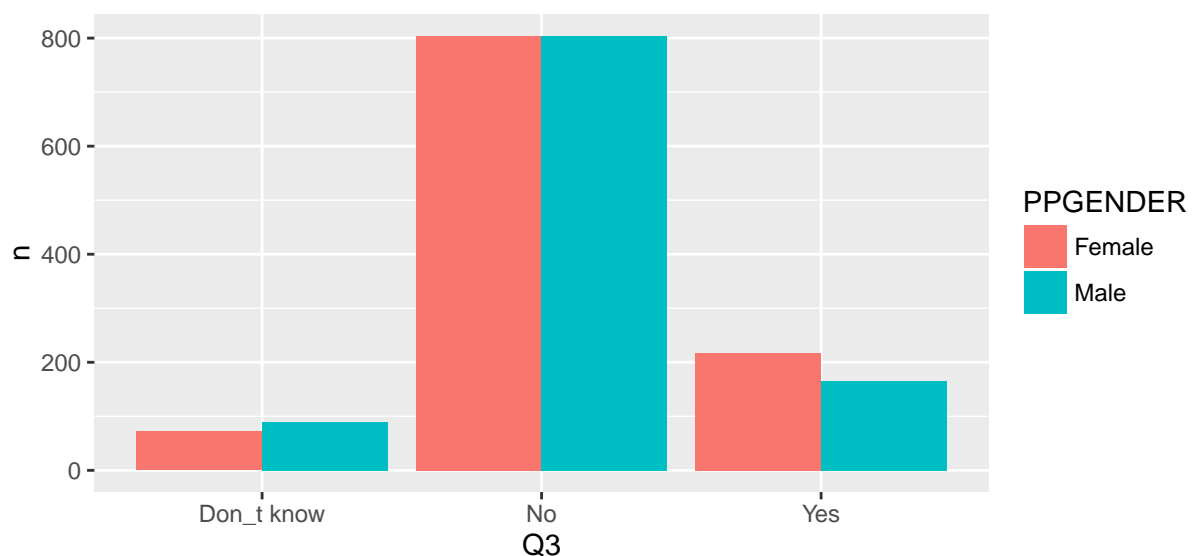
```
q3 <- data2 %>%
  count(Q3)
ggplot(q3, aes(x = Q3, y = n, fill = Q3)) + geom_bar(stat = 'identity')
```



```
# by gender
with(data2, table(Q3, PPGENDER))
```

```
##          PPGENDER
## Q3      Female Male
## Don_t know    72  89
## No            804 804
## Yes           217 166
```

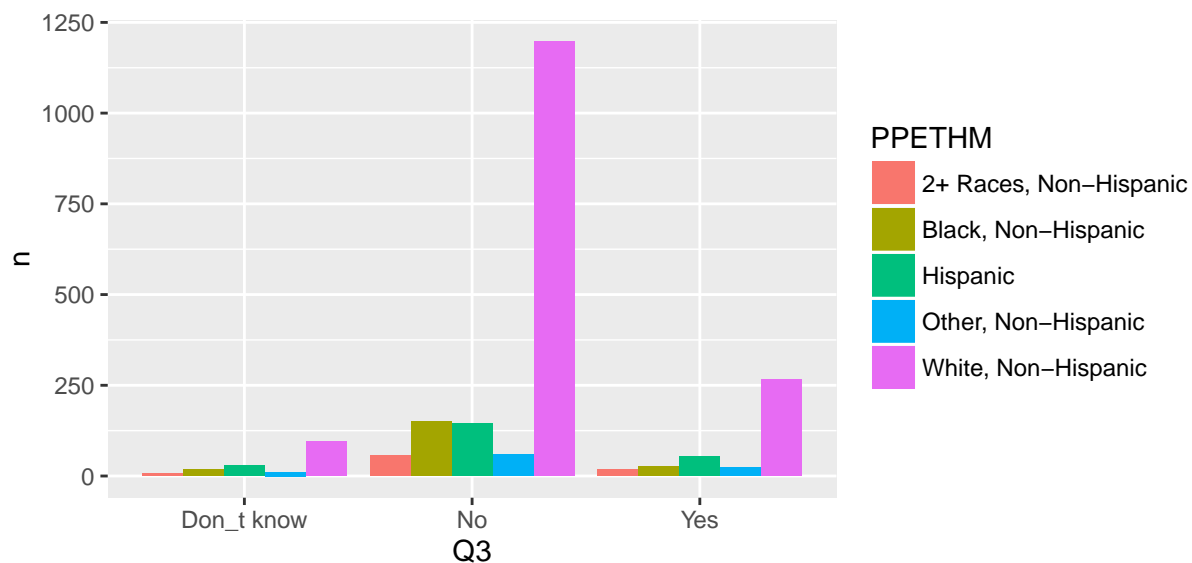
```
q3 <- data2 %>%
  count(Q3, PPGENDER)
ggplot(q3, aes(x = Q3, y = n, fill = PPGENDER)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



```
# by ethnicity
with(data2, table(Q3, PPETHM))
```

```
##          PPETHM
## Q3          2+ Races, Non-Hispanic Black, Non-Hispanic Hispanic
## Don_t know          6          19          30
## No          57          149          146
## Yes          17          25          53
##          PPETHM
## Q3          Other, Non-Hispanic White, Non-Hispanic
## Don_t know          11          95
## No          59          1197
## Yes          23          265
```

```
q3 <- data2 %>%
  count(Q3, PPETHM)
ggplot(q3, aes(x = Q3, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

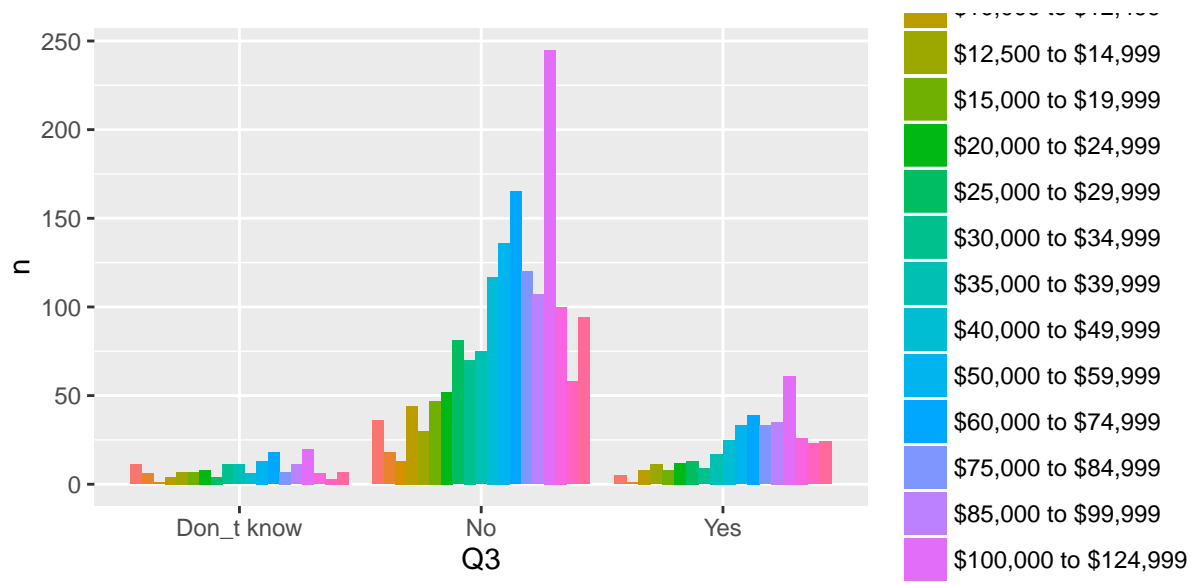


```
# by income
with(data2, table(Q3, PPINCIMP))
```

```
##          PPINCIMP
## Q3          Less than $5,000 $5,000 to $7,499 $7,500 to $9,999
## Don_t know          11          6          1
## No          36          18          13
## Yes          5          1          0
##          PPINCIMP
## Q3          $10,000 to $12,499 $12,500 to $14,999 $15,000 to $19,999
## Don_t know          4          7          7
## No          44          30          47
## Yes          8          11          8
##          PPINCIMP
## Q3          $20,000 to $24,999 $25,000 to $29,999 $30,000 to $34,999
```

```
## Don't know      8      4      11
## No              52     81     70
## Yes             12     13      9
## PPINCIMP
## Q3      $35,000 to $39,999 $40,000 to $49,999 $50,000 to $59,999
## Don't know      11      6      13
## No              75     117     136
## Yes             17      25      33
## PPINCIMP
## Q3      $60,000 to $74,999 $75,000 to $84,999 $85,000 to $99,999
## Don't know      18      7      11
## No             165     120     107
## Yes             39      33      35
## PPINCIMP
## Q3      $100,000 to $124,999 $125,000 to $149,999
## Don't know      20      6
## No             245     100
## Yes             61      26
## PPINCIMP
## Q3      $150,000 to $174,999 $175,000 or more
## Don't know       3      7
## No              58     94
## Yes             23     24
```

```
q3 <- data2 %>%
  count(Q3, PPINCIMP)
ggplot(q3, aes(x = Q3, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



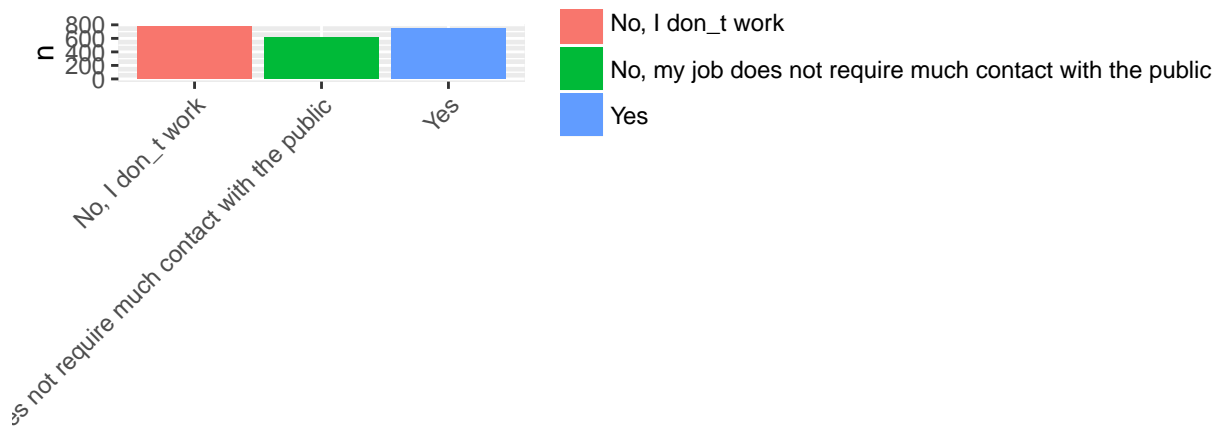
Q4. Does your job require you to have a lot of contact with the public?

```
# all
with(data2, table(Q4))
```

```
## Q4
##                               No, I don_t work
##                               779
## No, my job does not require much contact with the public
##                               620
##                               Yes
##                               751
```

```
q4 <- data2 %>%
  count(Q4)

ggplot(q4, aes(x = Q4, y = n, fill = Q4)) + geom_bar(stat = 'identity') +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```

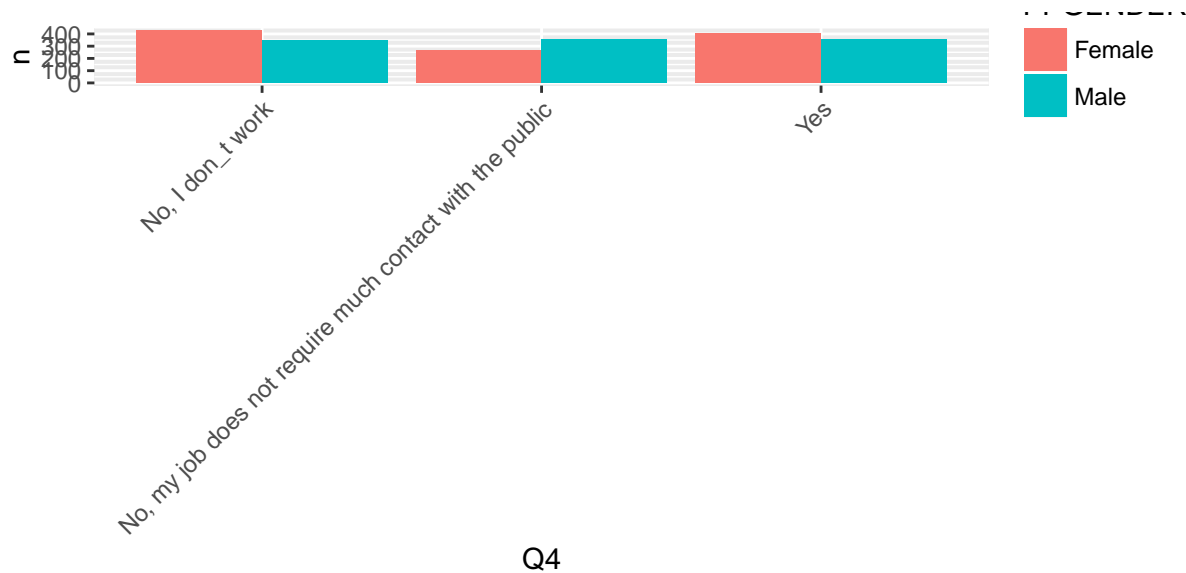


Q4

```
# by gender
with(data2, table(Q4, PPGENDER))
```

```
##                               PPGENDER
## Q4                               Female Male
## No, I don_t work                    430  349
## No, my job does not require much contact with the public  263  357
## Yes                                400  351
```

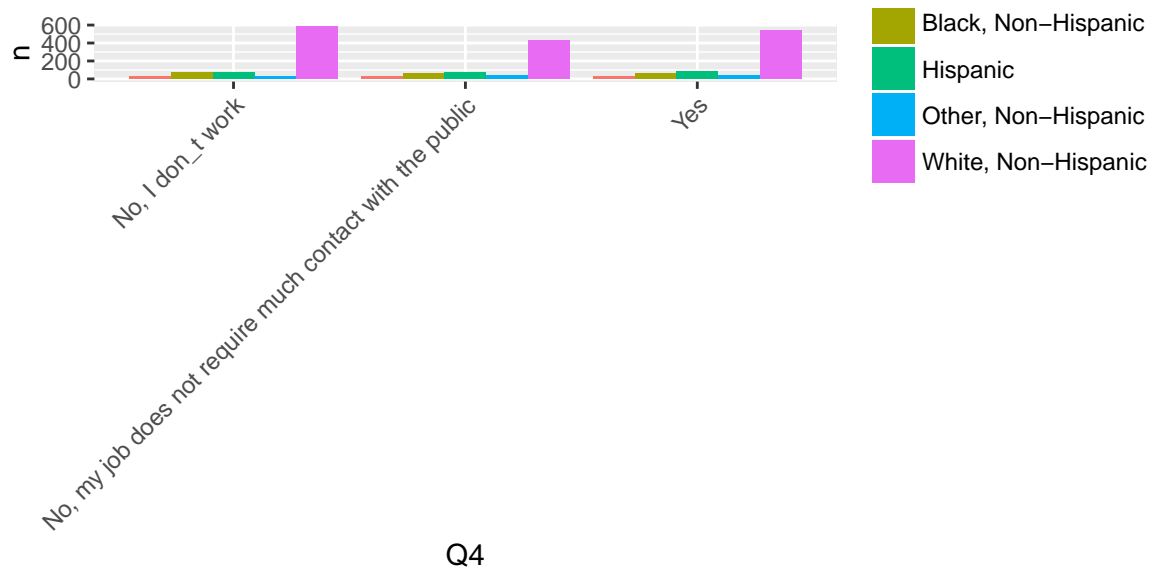
```
q4 <- data2 %>%
  count(Q4, PPGENDER)
ggplot(q4, aes(x = Q4, y = n, fill = PPGENDER)) +
  geom_bar(stat = 'identity', position = position_dodge()) +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```



```
# by ethnicity
with(data2, table(Q4, PPETHM))
```

```
##
## Q4
## PPETHM
## 2+ Races, Non-Hispanic
## No, I don't work 30
## No, my job does not require much contact with the public 23
## Yes 27
##
## PPETHM
## Q4
## Black, Non-Hispanic
## No, I don't work 69
## No, my job does not require much contact with the public 59
## Yes 64
##
## PPETHM
## Q4
## Hispanic
## No, I don't work 69
## No, my job does not require much contact with the public 72
## Yes 87
##
## PPETHM
## Q4
## Other, Non-Hispanic
## No, I don't work 24
## No, my job does not require much contact with the public 34
## Yes 35
##
## PPETHM
## Q4
## White, Non-Hispanic
## No, I don't work 587
## No, my job does not require much contact with the public 432
## Yes 538
```

```
q4 <- data2 %>%
  count(Q4, PPETHM)
ggplot(q4, aes(x = Q4, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge()) +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```



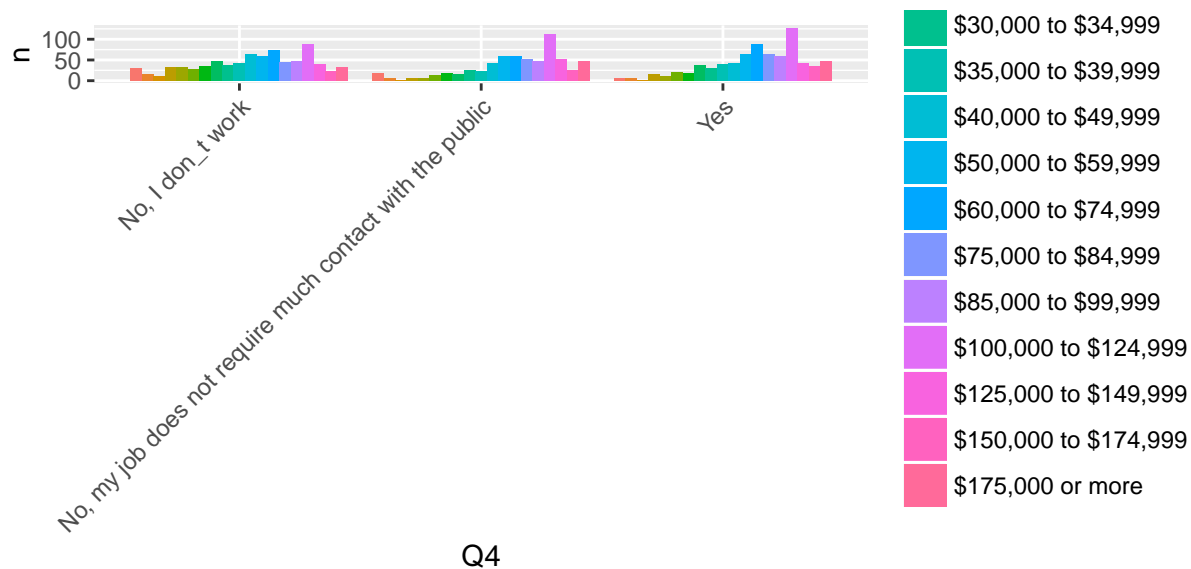
```
# by income
with(data2, table(Q4, PPINCIMP))
```

```
##
## PPINCIMP
## Q4 Less than $5,000
## No, I don't work 29
## No, my job does not require much contact with the public 17
## Yes 6
##
## PPINCIMP
## Q4 $5,000 to $7,499
## No, I don't work 15
## No, my job does not require much contact with the public 5
## Yes 5
##
## PPINCIMP
## Q4 $7,500 to $9,999
## No, I don't work 11
## No, my job does not require much contact with the public 1
## Yes 2
##
## PPINCIMP
## Q4 $10,000 to $12,499
## No, I don't work 33
## No, my job does not require much contact with the public 7
## Yes 15
##
## PPINCIMP
## Q4 $12,500 to $14,999
## No, I don't work 32
## No, my job does not require much contact with the public 5
## Yes 11
##
## PPINCIMP
## Q4 $15,000 to $19,999
## No, I don't work 28
## No, my job does not require much contact with the public 13
## Yes 21
##
## PPINCIMP
## Q4 $20,000 to $24,999
```

##	No, I don_t work	35
##	No, my job does not require much contact with the public	18
##	Yes	19
##	PPINCIMP	
##	Q4 \$25,000 to \$29,999	
##	No, I don_t work	46
##	No, my job does not require much contact with the public	15
##	Yes	37
##	PPINCIMP	
##	Q4 \$30,000 to \$34,999	
##	No, I don_t work	38
##	No, my job does not require much contact with the public	25
##	Yes	29
##	PPINCIMP	
##	Q4 \$35,000 to \$39,999	
##	No, I don_t work	42
##	No, my job does not require much contact with the public	22
##	Yes	39
##	PPINCIMP	
##	Q4 \$40,000 to \$49,999	
##	No, I don_t work	64
##	No, my job does not require much contact with the public	41
##	Yes	43
##	PPINCIMP	
##	Q4 \$50,000 to \$59,999	
##	No, I don_t work	60
##	No, my job does not require much contact with the public	58
##	Yes	63
##	PPINCIMP	
##	Q4 \$60,000 to \$74,999	
##	No, I don_t work	73
##	No, my job does not require much contact with the public	60
##	Yes	88
##	PPINCIMP	
##	Q4 \$75,000 to \$84,999	
##	No, I don_t work	45
##	No, my job does not require much contact with the public	51
##	Yes	64
##	PPINCIMP	
##	Q4 \$85,000 to \$99,999	
##	No, I don_t work	47
##	No, my job does not require much contact with the public	48
##	Yes	58
##	PPINCIMP	
##	Q4 \$100,000 to \$124,999	
##	No, I don_t work	87
##	No, my job does not require much contact with the public	111
##	Yes	127
##	PPINCIMP	
##	Q4 \$125,000 to \$149,999	
##	No, I don_t work	39
##	No, my job does not require much contact with the public	51
##	Yes	42
##	PPINCIMP	

```
## Q4                                     $150,000 to $174,999
##   No, I don't work                      23
##   No, my job does not require much contact with the public 25
##   Yes                                   36
##
##                                     PPINCIMP
## Q4                                     $175,000 or more
##   No, I don't work                      32
##   No, my job does not require much contact with the public 47
##   Yes                                   46
```

```
q4 <- data2 %>%
  count(Q4, PPINCIMP)
ggplot(q4, aes(x = Q4, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge()) +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```

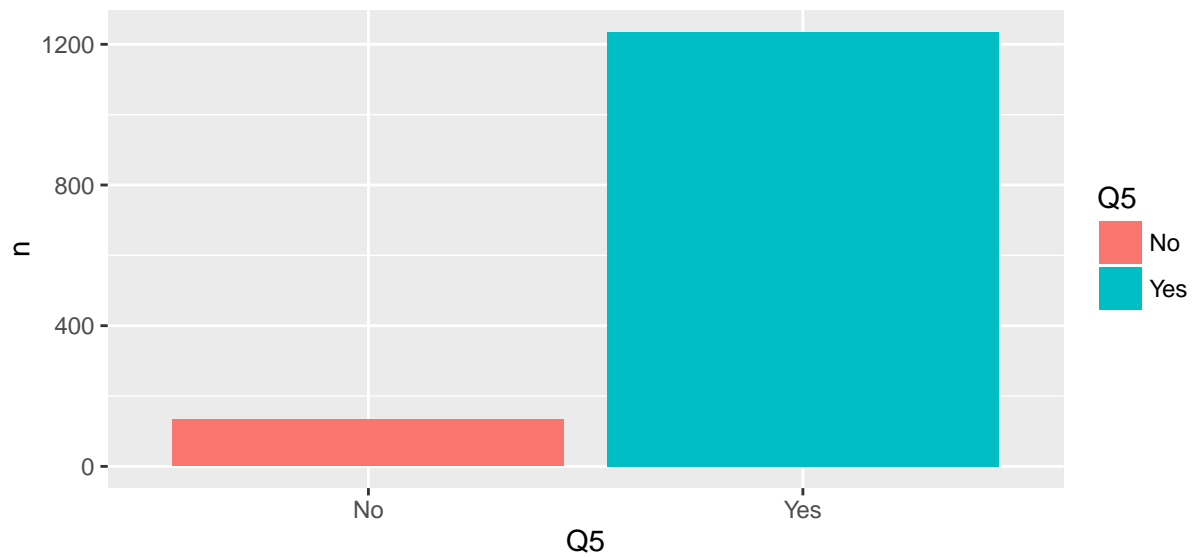


Q5. Do you have a car that you can use to travel to work?

```
# all
with(data2, table(Q5))
```

```
## Q5
##   No   Yes
## 133 1235
```

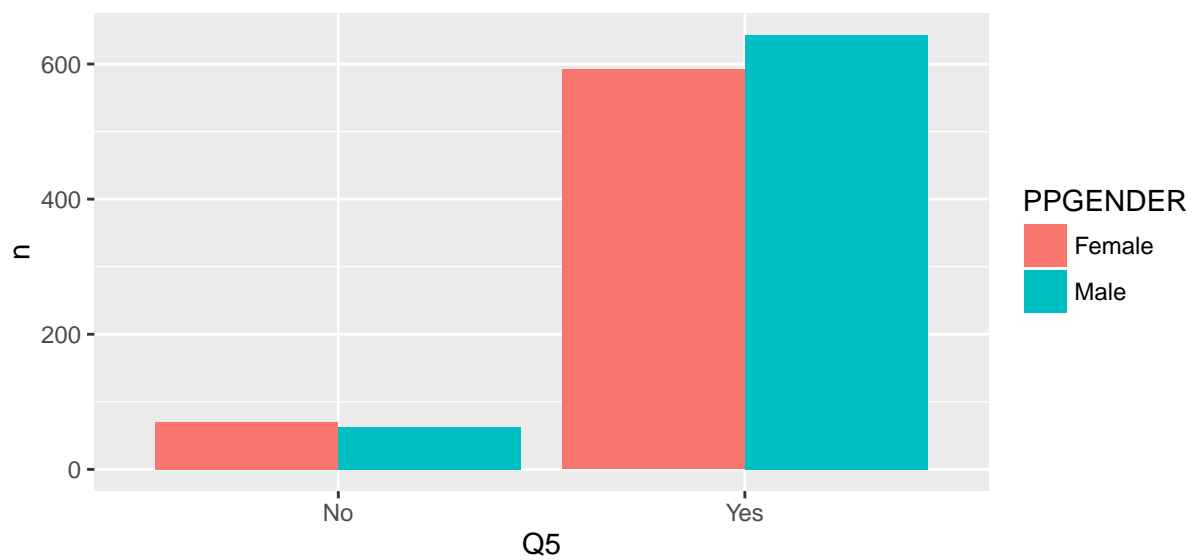
```
q5 <- data2 %>%
  count(Q5)
ggplot(q5, aes(x = Q5, y = n, fill = Q5)) + geom_bar(stat = 'identity')
```

```
# by gender
with(data2, table(PPGENDER, Q5))
```

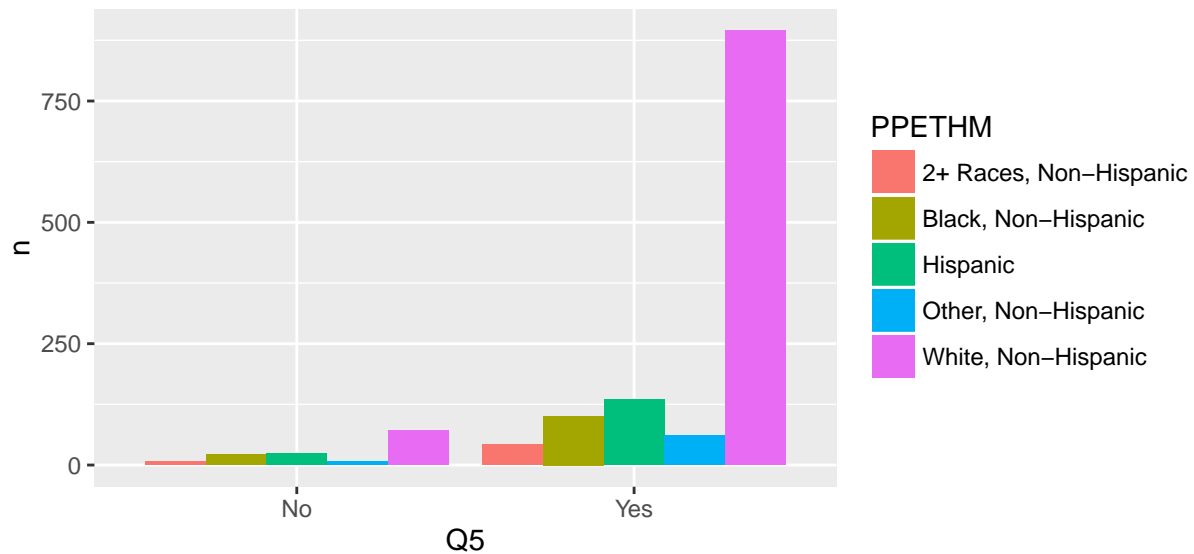
```
##           Q5
## PPGENDER  No Yes
##   Female   70 592
##   Male    63 643
```

```
q5 <- data2 %>%
  count(Q5, PPGENDER)
ggplot(q5, aes(x = Q5, y = n, fill = PPGENDER)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

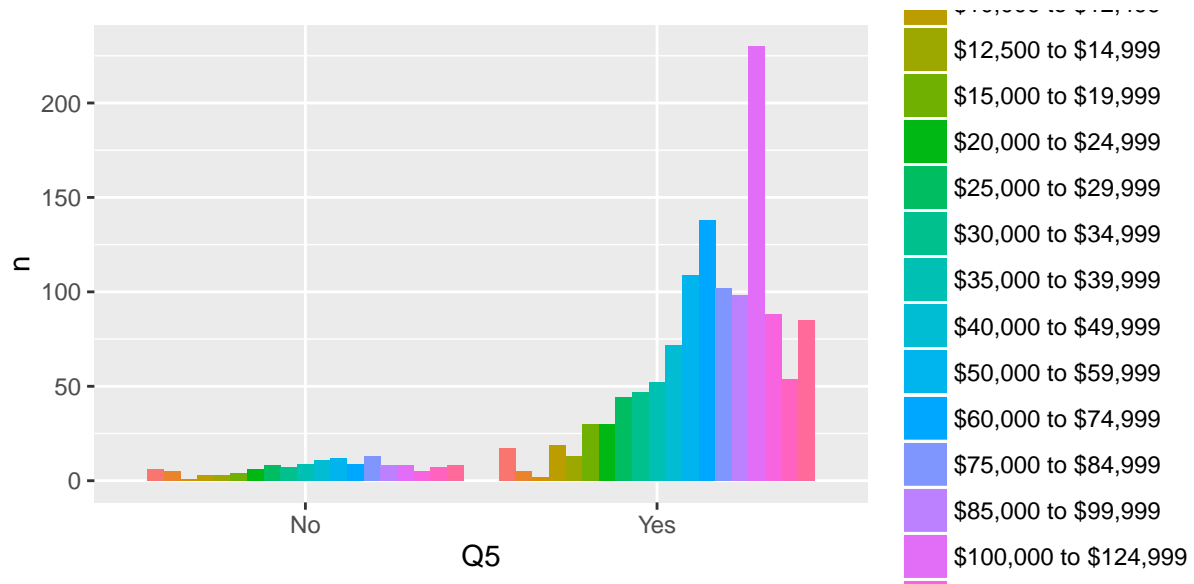


```
# by ethnicity
q5 <- data2 %>%
  count(Q5, PPETHM)
```

```
ggplot(q5, aes(x = Q5, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



```
# by income
q5 <- data2 %>%
  count(Q5, PPINCIMP)
ggplot(q5, aes(x = Q5, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

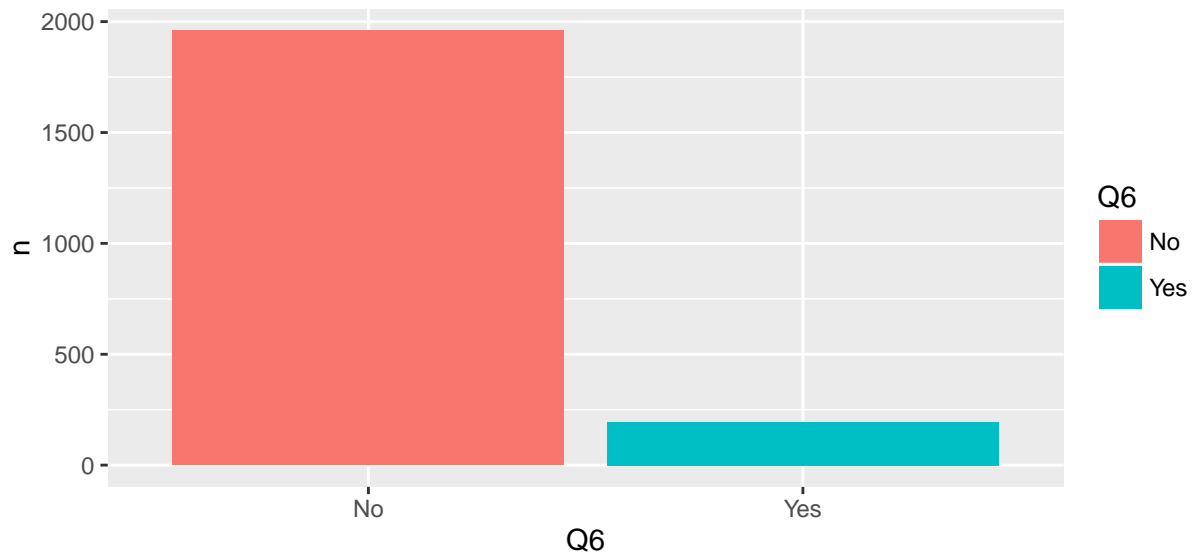


Q6. Do you regularly use public transportation?

```
# all
with(data2, table(Q6))
```

```
## Q6
##   No  Yes
## 1959 194
```

```
q6 <- data2 %>%
  count(Q6)
ggplot(q6, aes(x = Q6, y = n, fill = Q6)) + geom_bar(stat = 'identity')
```

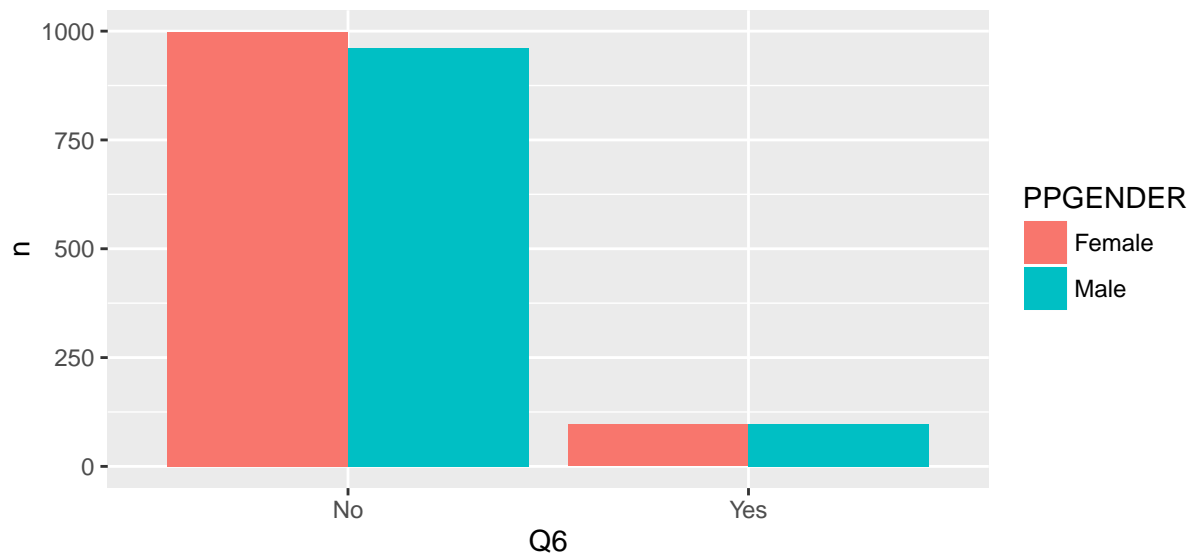


```
# by gender
with(data2, table(PPGENDER, Q6))
```

```
##           Q6
## PPGENDER  No  Yes
##   Female 998  96
##   Male  961  98
```

```
q6 <- data2 %>%
  count(Q6, PPGENDER)

ggplot(q6, aes(x = Q6, y = n, fill = PPGENDER)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

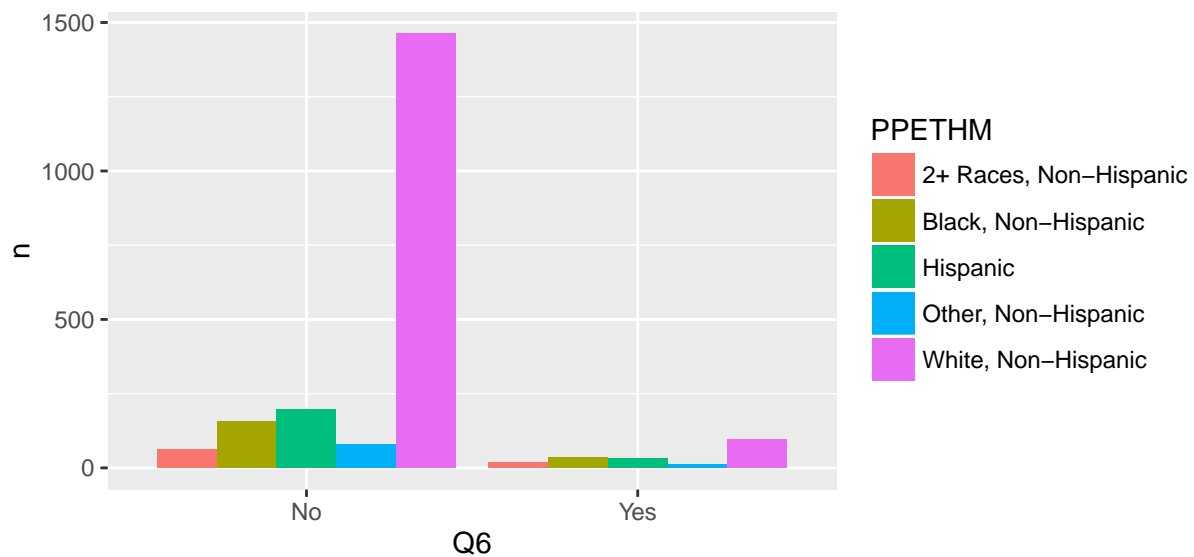


```
# by ethnicity
with(data2, table(PPETHM, Q6))
```

```
##
##          Q6
## PPETHM    No  Yes
## 2+ Races, Non-Hispanic    62  18
## Black, Non-Hispanic    158  36
## Hispanic    196  32
## Other, Non-Hispanic    80  13
## White, Non-Hispanic   1463  95
```

```
q6 <- data2 %>%
  count(Q6, PPETHM)

ggplot(q6, aes(x = Q6, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

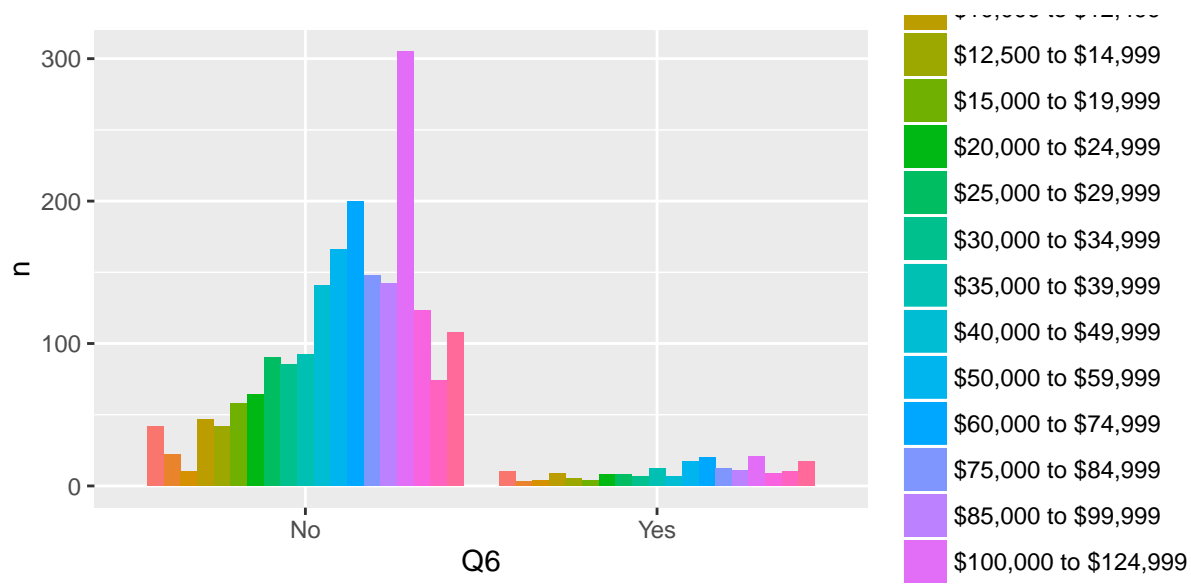


```
# by income
with(data2, table(PPINCIMP, Q6))
```

```
##
##          Q6
## PPINCIMP   No Yes
## Less than $5,000      42 10
## $5,000 to $7,499      22  3
## $7,500 to $9,999      10  4
## $10,000 to $12,499     47  9
## $12,500 to $14,999     42  5
## $15,000 to $19,999     58  4
## $20,000 to $24,999     64  8
## $25,000 to $29,999     90  8
## $30,000 to $34,999     85  7
## $35,000 to $39,999     92 12
## $40,000 to $49,999    141  7
## $50,000 to $59,999    166 17
## $60,000 to $74,999    200 20
## $75,000 to $84,999    148 12
## $85,000 to $99,999    142 11
## $100,000 to $124,999  305 21
## $125,000 to $149,999  123  9
## $150,000 to $174,999   74 10
## $175,000 or more      108 17
```

```
q6 <- data2 %>%
  count(Q6, PPINCIMP)

ggplot(q6, aes(x = Q6, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge())
```



Q7. What types of public transportation do you regularly use?

```
# look at patterned names
# grep("Q7", names(data2))

# make long data
q7_long <- data2 %>%
  gather("Q7_q", "Q7_r", starts_with("Q7_"), -contains("Text"), -contains("Refused"), na.rm = TRUE)

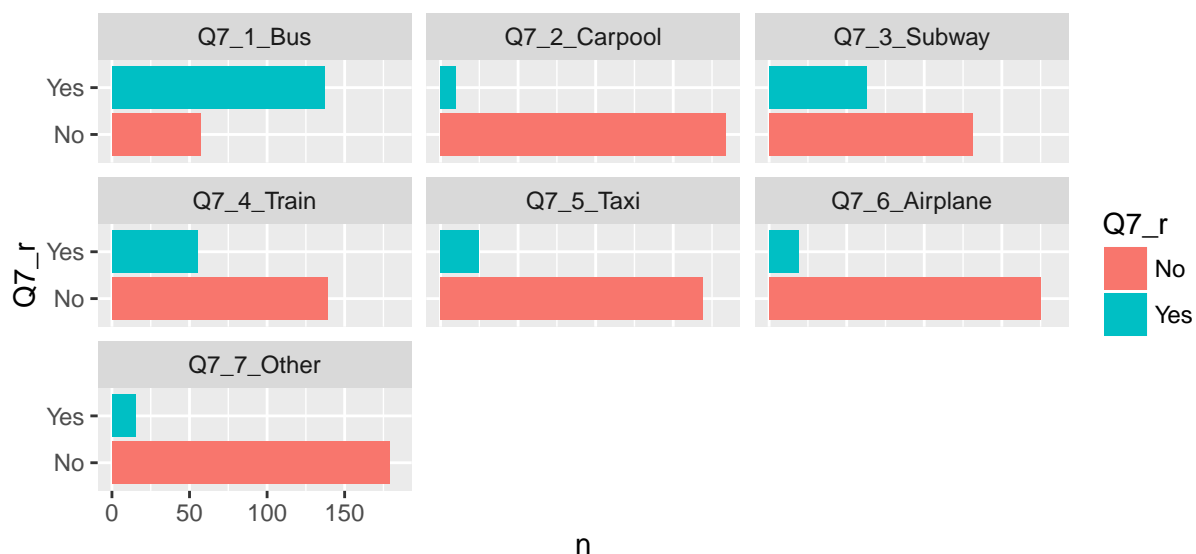
#grep("Q7", names(q7_long))
#View(q7_long[c(1, 34, 35, 423:424)])

with(q7_long, table(Q7_q, Q7_r))
```

```
##                Q7_r
## Q7_q           No Yes
## Q7_1_Bus        57 137
## Q7_2_Carpool    184 10
## Q7_3_Subway     131 63
## Q7_4_Train      139 55
## Q7_5_Taxi       169 25
## Q7_6_Airplane   175 19
## Q7_7_Other      179 15
```

```
q7 <- q7_long %>%
  count(Q7_q, Q7_r)

# flip coordinates
ggplot(q7[!is.na(q7$Q7_r), ], aes(x = Q7_r, y = n, fill = Q7_r)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q7_q) + coord_flip()
```

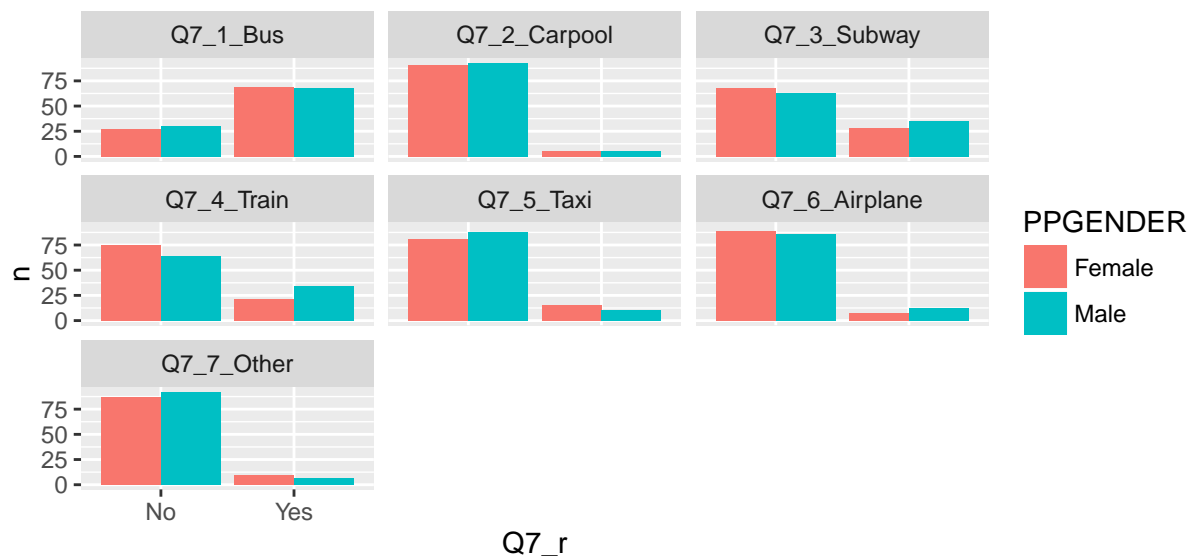


```
# by gender
with(q7_long, table(Q7_r, Q7_q, PPGENER))
```

```
## , , PPGENER = Female
##
##      Q7_q
## Q7_r  Q7_1_Bus Q7_2_Carpool Q7_3_Subway Q7_4_Train Q7_5_Taxi Q7_6_Airplane
## No      27      91      68      75      81      89
## Yes     69      5      28      21      15      7
##      Q7_q
## Q7_r  Q7_7_Other
## No      87
## Yes      9
##
## , , PPGENER = Male
##
##      Q7_q
## Q7_r  Q7_1_Bus Q7_2_Carpool Q7_3_Subway Q7_4_Train Q7_5_Taxi Q7_6_Airplane
## No     30      93      63      64      88      86
## Yes     68      5      35      34      10      12
##      Q7_q
## Q7_r  Q7_7_Other
## No     92
## Yes      6
```

```
q7 <- q7_long %>%
  group_by(PPGENER, Q7_q, Q7_r) %>%
  count(PPGENER, Q7_q, Q7_r)

ggplot(q7[!is.na(q7$Q7_r), ], aes(x = Q7_r, y = n, fill = PPGENER)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q7_q)
```

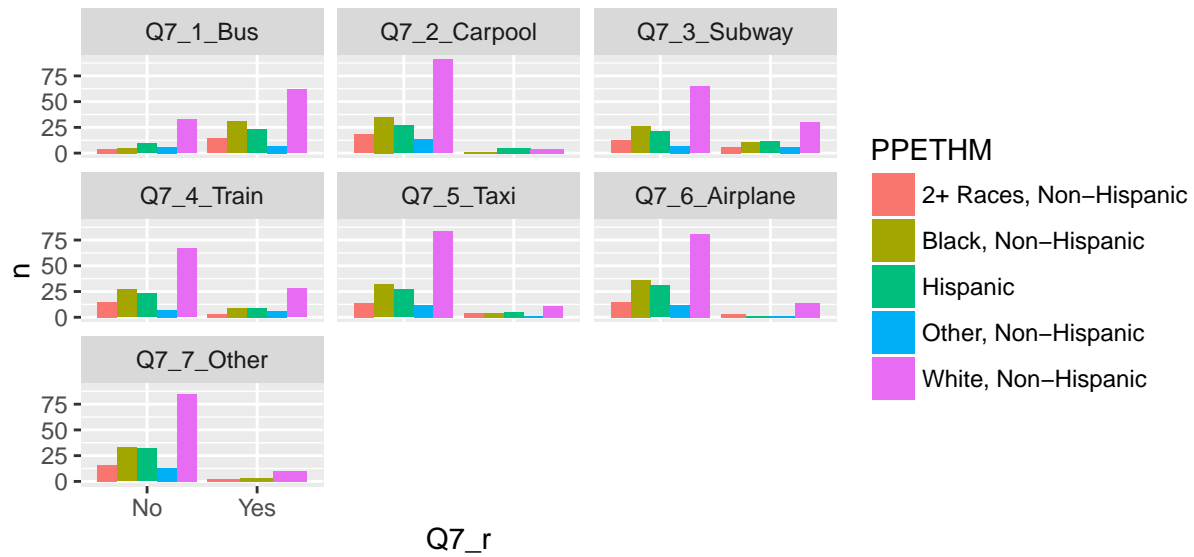


```
# by ethnicity
with(q7_long, table(PPETHM, Q7_q, Q7_r))
```

```
## , , Q7_r = No
##
##
## Q7_q
## PPETHM Q7_1_Bus Q7_2_Carpool Q7_3_Subway Q7_4_Train
## 2+ Races, Non-Hispanic 4 18 12 15
## Black, Non-Hispanic 5 35 26 27
## Hispanic 9 27 21 23
## Other, Non-Hispanic 6 13 7 7
## White, Non-Hispanic 33 91 65 67
##
## Q7_q
## PPETHM Q7_5_Taxi Q7_6_Airplane Q7_7_Other
## 2+ Races, Non-Hispanic 14 15 16
## Black, Non-Hispanic 32 36 33
## Hispanic 27 31 32
## Other, Non-Hispanic 12 12 13
## White, Non-Hispanic 84 81 85
##
## , , Q7_r = Yes
##
##
## Q7_q
## PPETHM Q7_1_Bus Q7_2_Carpool Q7_3_Subway Q7_4_Train
## 2+ Races, Non-Hispanic 14 0 6 3
## Black, Non-Hispanic 31 1 10 9
## Hispanic 23 5 11 9
## Other, Non-Hispanic 7 0 6 6
## White, Non-Hispanic 62 4 30 28
##
## Q7_q
## PPETHM Q7_5_Taxi Q7_6_Airplane Q7_7_Other
## 2+ Races, Non-Hispanic 4 3 2
## Black, Non-Hispanic 4 0 3
## Hispanic 5 1 0
## Other, Non-Hispanic 1 1 0
## White, Non-Hispanic 11 14 10
```

```
q7 <- q7_long %>%
  group_by(PPETHM, Q7_q, Q7_r) %>%
  count(PPETHM, Q7_q, Q7_r)

ggplot(q7[!is.na(q7$Q7_r), ], aes(x = Q7_r, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q7_q)
```

```
# by income
with(q7_long, table(PPINCIMP, Q7_q, Q7_r ))
```

```
## , , Q7_r = No
##
##
## Q7_q
## PPINCIMP Q7_1_Bus Q7_2_Carpool Q7_3_Subway Q7_4_Train
## Less than $5,000 0 10 9 8
## $5,000 to $7,499 3 2 3 2
## $7,500 to $9,999 2 4 3 2
## $10,000 to $12,499 3 9 9 8
## $12,500 to $14,999 0 5 5 4
## $15,000 to $19,999 1 4 4 4
## $20,000 to $24,999 2 7 7 6
## $25,000 to $29,999 0 7 7 7
## $30,000 to $34,999 1 6 6 6
## $35,000 to $39,999 2 12 7 9
## $40,000 to $49,999 4 6 5 5
## $50,000 to $59,999 6 17 12 12
## $60,000 to $74,999 2 19 15 17
## $75,000 to $84,999 4 11 5 8
## $85,000 to $99,999 3 9 6 7
## $100,000 to $124,999 8 21 11 11
## $125,000 to $149,999 3 9 6 6
## $150,000 to $174,999 4 9 4 7
## $175,000 or more 9 17 7 10
##
## Q7_q
## PPINCIMP Q7_5_Taxi Q7_6_Airplane Q7_7_Other
## Less than $5,000 9 9 9
## $5,000 to $7,499 3 3 2
## $7,500 to $9,999 3 4 3
## $10,000 to $12,499 7 9 7
## $12,500 to $14,999 5 5 5
## $15,000 to $19,999 3 4 4
## $20,000 to $24,999 8 8 7
```

##	\$25,000 to \$29,999	6	8	8
##	\$30,000 to \$34,999	4	6	7
##	\$35,000 to \$39,999	11	10	11
##	\$40,000 to \$49,999	7	7	7
##	\$50,000 to \$59,999	13	15	16
##	\$60,000 to \$74,999	19	20	16
##	\$75,000 to \$84,999	9	10	12
##	\$85,000 to \$99,999	10	8	10
##	\$100,000 to \$124,999	20	19	20
##	\$125,000 to \$149,999	9	9	9
##	\$150,000 to \$174,999	9	7	9
##	\$175,000 or more	14	14	17

, , Q7_r = Yes

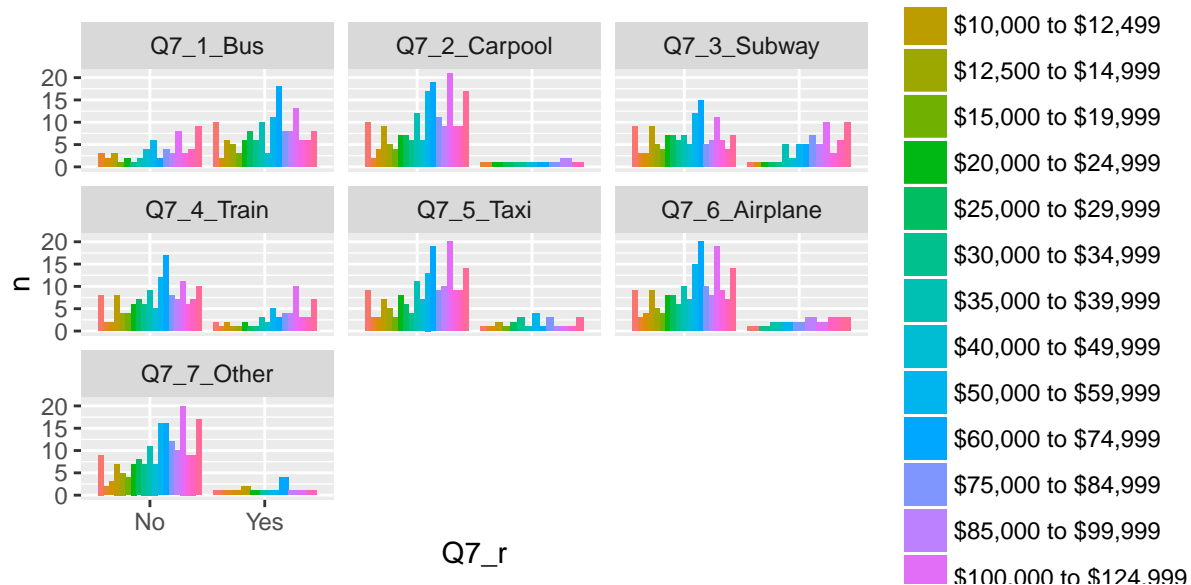
	Q7_q			
## PPINCIMP	Q7_1_Bus	Q7_2_Carpool	Q7_3_Subway	Q7_4_Train
## Less than \$5,000	10	0	1	2
## \$5,000 to \$7,499	0	1	0	1
## \$7,500 to \$9,999	2	0	1	2
## \$10,000 to \$12,499	6	0	0	1
## \$12,500 to \$14,999	5	0	0	1
## \$15,000 to \$19,999	3	0	0	0
## \$20,000 to \$24,999	6	1	1	2
## \$25,000 to \$29,999	8	1	1	1
## \$30,000 to \$34,999	6	1	1	1
## \$35,000 to \$39,999	10	0	5	3
## \$40,000 to \$49,999	3	1	2	2
## \$50,000 to \$59,999	11	0	5	5
## \$60,000 to \$74,999	18	1	5	3
## \$75,000 to \$84,999	8	1	7	4
## \$85,000 to \$99,999	8	2	5	4
## \$100,000 to \$124,999	13	0	10	10
## \$125,000 to \$149,999	6	0	3	3
## \$150,000 to \$174,999	6	1	6	3
## \$175,000 or more	8	0	10	7

	Q7_q		
## PPINCIMP	Q7_5_Taxi	Q7_6_Airplane	Q7_7_Other
## Less than \$5,000	1	1	1
## \$5,000 to \$7,499	0	0	1
## \$7,500 to \$9,999	1	0	1
## \$10,000 to \$12,499	2	0	2
## \$12,500 to \$14,999	0	0	0
## \$15,000 to \$19,999	1	0	0
## \$20,000 to \$24,999	0	0	1
## \$25,000 to \$29,999	2	0	0
## \$30,000 to \$34,999	3	1	0
## \$35,000 to \$39,999	1	2	1
## \$40,000 to \$49,999	0	0	0
## \$50,000 to \$59,999	4	2	1
## \$60,000 to \$74,999	1	0	4
## \$75,000 to \$84,999	3	2	0
## \$85,000 to \$99,999	1	3	1
## \$100,000 to \$124,999	1	2	1

```
## $125,000 to $149,999      0      0      0
## $150,000 to $174,999      1      3      1
## $175,000 or more          3      3      0
```

```
q7 <- q7_long %>%
  group_by(PPINCIMP, Q7_q, Q7_r) %>%
  count(PPINCIMP, Q7_q, Q7_r)

ggplot(q7[!is.na(q7$Q7_r), ], aes(x = Q7_r, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q7_q)
```



Q8. For what types of activities do you regularly use public transportation?

```
q8_long <- data2 %>%
  gather("Q8_q", "Q8_r", starts_with("Q8_"), -contains("otherText"), -contains("Refused"))

with(q8_long, table(Q8_q, Q8_r))
```

```
##                Q8_r
## Q8_q           No Yes
## Q8_1_Work       89 105
## Q8_2_School     158  36
## Q8_3_Shopping   107  87
## Q8_4_Visiting.people 125  69
## Q8_5_Recreation 127  67
## Q8_6_Other      175  19
```

```
q8 <- q8_long %>%
  count(Q8_q, Q8_r)
```

Q9. Do other members of your household regularly use public transportation?

```
with(data2, table(Q9))
```

```
## Q9
## Don't know      No      Yes
##           32      1935      183
```

Q10. What types of public transportation do other members of your household regularly use?

```
#Q10 <- data2 %>%
# select(CaseID, PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, #Q10_1_Bus:Q10_9_Refused) %>%
# gather("Q10_q", "Q10_r", Q10_1_Bus:Q10_8_Other)

q10_long <- data2 %>%
  gather("Q10_q", "Q10_r", starts_with("Q10_"), -contains("Text"), -contains("Refused"), na.rm = TRUE)

with(q10_long, table(Q10_q, Q10_r))
```

```
##           Q10_r
## Q10_q      No Yes
## Q10_1_Bus      48 135
## Q10_2_Carpool  166 17
## Q10_3_Subway   130 53
## Q10_4_Train    137 46
## Q10_5_Taxi     157 26
## Q10_6_Airplane 164 19
## Q10_7_Don't.know 182 1
## Q10_8_Other    172 11
```

```
q10 <- q10_long %>%
  count(Q10_q, Q10_r)
```

Q11. How do you rate your risk of getting influenza if you visited each of the following locations?

```
#Q11 <- data2 %>%
# select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, #Q11_1_Work:Q11_OtherText_Codes) %>%
# gather("q", "r", Q11_1_Work:Q11_11_Other)

q11_long <- data2 %>%
  gather("Q11_q", "Q11_r", starts_with("Q11_"), -contains("Text"), -contains("Refused"), na.rm = TRUE)

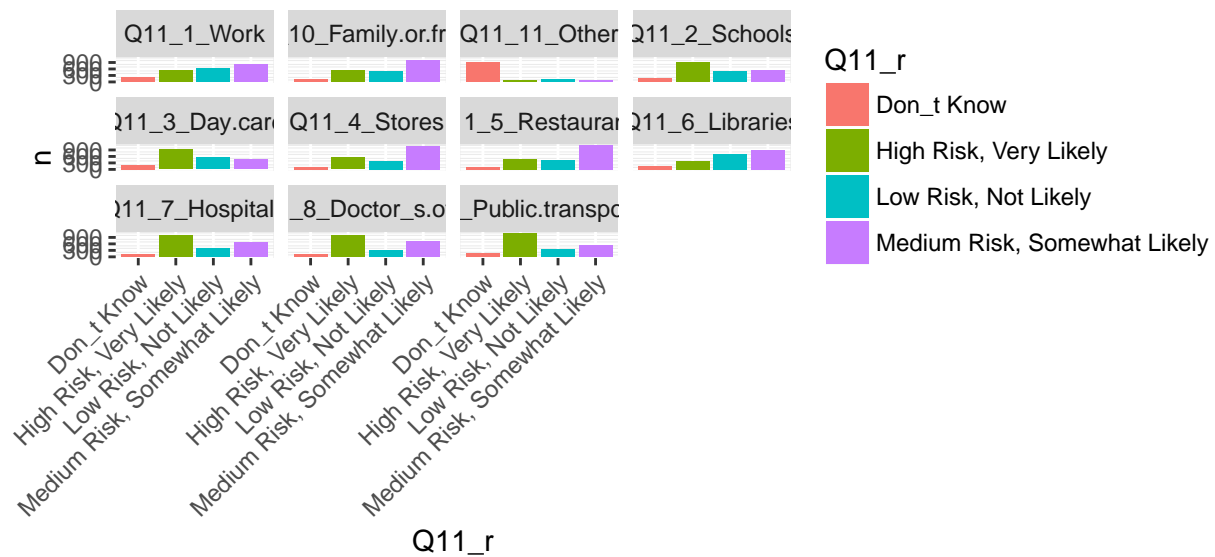
# all
with(q11_long, table(Q11_q, Q11_r))
```

```
##           Q11_r
## Q11_q      Don't Know High Risk, Very Likely
## Q11_1_Work      185      524
```

##	Q11_10_Family.or.friends	121	541
##	Q11_11_Other	915	51
##	Q11_2_Schools	178	909
##	Q11_3_Day.care	214	924
##	Q11_4_Stores	115	551
##	Q11_5_Restaurants	111	483
##	Q11_6_Libraries	169	386
##	Q11_7_Hospitals	123	982
##	Q11_8_Doctor_s.office	110	994
##	Q11_9_Public.transportation	147	1093
##		Q11_r	
##	Q11_q	Low Risk, Not Likely	
##	Q11_1_Work	643	
##	Q11_10_Family.or.friends	485	
##	Q11_11_Other	104	
##	Q11_2_Schools	508	
##	Q11_3_Day.care	554	
##	Q11_4_Stores	405	
##	Q11_5_Restaurants	442	
##	Q11_6_Libraries	700	
##	Q11_7_Hospitals	374	
##	Q11_8_Doctor_s.office	308	
##	Q11_9_Public.transportation	353	
##		Q11_r	
##	Q11_q	Medium Risk, Somewhat Likely	
##	Q11_1_Work	795	
##	Q11_10_Family.or.friends	1000	
##	Q11_11_Other	54	
##	Q11_2_Schools	551	
##	Q11_3_Day.care	454	
##	Q11_4_Stores	1076	
##	Q11_5_Restaurants	1111	
##	Q11_6_Libraries	890	
##	Q11_7_Hospitals	669	
##	Q11_8_Doctor_s.office	733	
##	Q11_9_Public.transportation	551	

```
q11 <- q11_long %>%
  count(Q11_q, Q11_r)

ggplot(q11[!is.na(q11$Q11_r), ], aes(x = Q11_r, y = n, fill = Q11_r)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q11_q) +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```



```
# by gender
with(q11_long, table(PPGENDER, Q11_r, Q11_q))
```

```
## , , Q11_q = Q11_1_Work
##
##      Q11_r
## PPGENDER Don't Know High Risk, Very Likely Low Risk, Not Likely
##   Female      89              309              310
##   Male       96              215              333
##
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female              381
##   Male              414
##
## , , Q11_q = Q11_10_Family.or.friends
##
##      Q11_r
## PPGENDER Don't Know High Risk, Very Likely Low Risk, Not Likely
##   Female      53              302              229
##   Male       68              239              256
##
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female              506
##   Male              494
##
## , , Q11_q = Q11_11_Other
##
##      Q11_r
## PPGENDER Don't Know High Risk, Very Likely Low Risk, Not Likely
##   Female     449              21              53
##   Male     466              30              51
##
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female              27
##   Male              27
```

```

##
## , , Q11_q = Q11_2_Schools
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##   Female      75      500      254
##   Male      103      409      254
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female      259
##   Male      292
##
## , , Q11_q = Q11_3_Day.care
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##   Female      94      498      274
##   Male      120      426      280
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female      222
##   Male      232
##
## , , Q11_q = Q11_4_Stores
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##   Female      45      285      206
##   Male      70      266      199
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female      553
##   Male      523
##
## , , Q11_q = Q11_5_Restaurants
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##   Female      45      266      234
##   Male      66      217      208
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female      544
##   Male      567
##
## , , Q11_q = Q11_6_Libraries
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##   Female      65      213      361
##   Male      104      173      339
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##   Female      450

```

```

##      Male                                440
##
## , , Q11_q = Q11_7_Hospitals
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##      Female                52                524                179
##      Male                  71                458                195
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##      Female                335
##      Male                  334
##
## , , Q11_q = Q11_8_Doctor_s.office
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##      Female                41                544                138
##      Male                  69                450                170
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##      Female                365
##      Male                  368
##
## , , Q11_q = Q11_9_Public.transportation
##
##      Q11_r
## PPGENDER Don_t Know High Risk, Very Likely Low Risk, Not Likely
##      Female                61                575                173
##      Male                  86                518                180
##      Q11_r
## PPGENDER Medium Risk, Somewhat Likely
##      Female                279
##      Male                  272

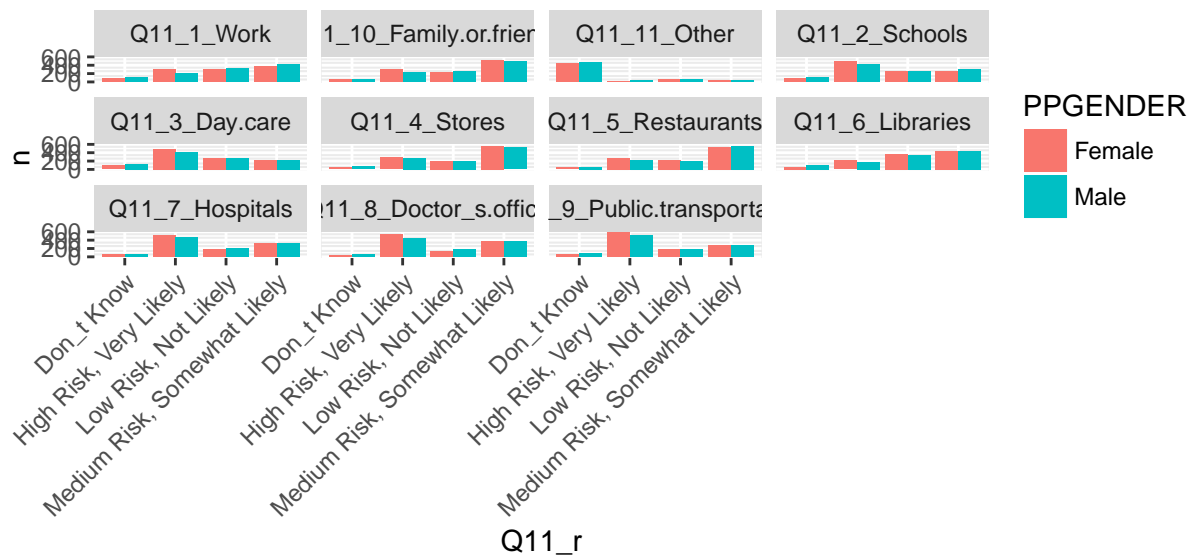
```

```

q11 <- q11_long %>%
  group_by(PPGENDER, Q11_q, Q11_r) %>%
  count(PPGENDER, Q11_q, Q11_r)

ggplot(q11[!is.na(q11$Q11_r), ], aes(x = Q11_r, y = n, fill = PPGENDER)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q11_q) +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))

```

```
# by ethnicity
```

```
with(q11_long, table(PPETHM, Q11_r, Q11_q))
```

```
## , , Q11_q = Q11_1_Work
```

```
##
```

```
## Q11_r
```

```
## PPETHM Don't Know High Risk, Very Likely
```

```
## 2+ Races, Non-Hispanic 11 20
```

```
## Black, Non-Hispanic 22 42
```

```
## Hispanic 27 59
```

```
## Other, Non-Hispanic 6 22
```

```
## White, Non-Hispanic 119 381
```

```
## Q11_r
```

```
## PPETHM Low Risk, Not Likely Medium Risk, Somewhat Likely
```

```
## 2+ Races, Non-Hispanic 24 24
```

```
## Black, Non-Hispanic 65 64
```

```
## Hispanic 61 83
```

```
## Other, Non-Hispanic 25 38
```

```
## White, Non-Hispanic 468 586
```

```
##
```

```
## , , Q11_q = Q11_10_Family.or.friends
```

```
##
```

```
## Q11_r
```

```
## PPETHM Don't Know High Risk, Very Likely
```

```
## 2+ Races, Non-Hispanic 7 20
```

```
## Black, Non-Hispanic 19 53
```

```
## Hispanic 20 68
```

```
## Other, Non-Hispanic 10 21
```

```
## White, Non-Hispanic 65 379
```

```
## Q11_r
```

```
## PPETHM Low Risk, Not Likely Medium Risk, Somewhat Likely
```

```
## 2+ Races, Non-Hispanic 26 26
```

```
## Black, Non-Hispanic 41 80
```

```
## Hispanic 37 105
```

```
## Other, Non-Hispanic 26 34
```

```

## White, Non-Hispanic 355 755
##
## , , Q11_q = Q11_11_Other
##
## Q11_r
## PPETHM Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic 32 1
## Black, Non-Hispanic 90 4
## Hispanic 103 10
## Other, Non-Hispanic 35 2
## White, Non-Hispanic 655 34
##
## Q11_r
## PPETHM Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic 4 3
## Black, Non-Hispanic 7 9
## Hispanic 11 8
## Other, Non-Hispanic 1 1
## White, Non-Hispanic 81 33
##
## , , Q11_q = Q11_2_Schools
##
## Q11_r
## PPETHM Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic 6 34
## Black, Non-Hispanic 27 61
## Hispanic 22 105
## Other, Non-Hispanic 9 45
## White, Non-Hispanic 114 664
##
## Q11_r
## PPETHM Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic 21 18
## Black, Non-Hispanic 62 43
## Hispanic 43 59
## Other, Non-Hispanic 15 22
## White, Non-Hispanic 367 409
##
## , , Q11_q = Q11_3_Day.care
##
## Q11_r
## PPETHM Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic 7 33
## Black, Non-Hispanic 24 63
## Hispanic 34 98
## Other, Non-Hispanic 9 50
## White, Non-Hispanic 140 680
##
## Q11_r
## PPETHM Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic 24 15
## Black, Non-Hispanic 69 37
## Hispanic 46 51
## Other, Non-Hispanic 15 17
## White, Non-Hispanic 400 334
##
## , , Q11_q = Q11_4_Stores

```

```

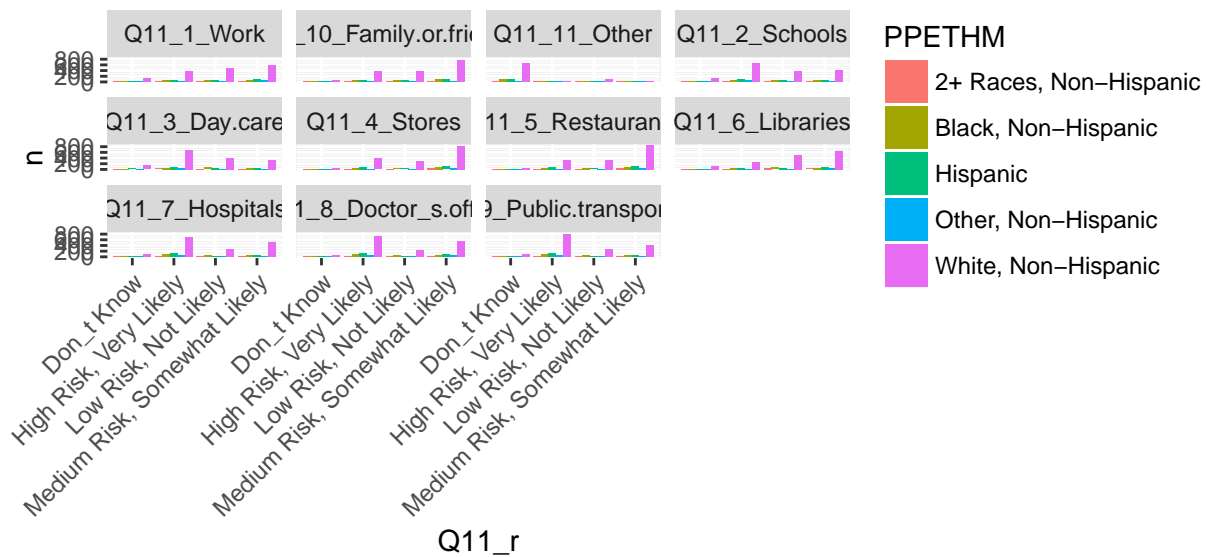
##
##          Q11_r
## PPETHM          Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic          5          15
## Black, Non-Hispanic          19          58
## Hispanic          21          74
## Other, Non-Hispanic          9          22
## White, Non-Hispanic          61          382
##          Q11_r
## PPETHM          Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic          20          39
## Black, Non-Hispanic          33          83
## Hispanic          33          101
## Other, Non-Hispanic          22          38
## White, Non-Hispanic          297          815
##
## , , Q11_q = Q11_5_Restaurants
##
##          Q11_r
## PPETHM          Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic          6          10
## Black, Non-Hispanic          18          56
## Hispanic          18          70
## Other, Non-Hispanic          8          21
## White, Non-Hispanic          61          326
##          Q11_r
## PPETHM          Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic          27          36
## Black, Non-Hispanic          38          81
## Hispanic          33          108
## Other, Non-Hispanic          21          41
## White, Non-Hispanic          323          845
##
## , , Q11_q = Q11_6_Libraries
##
##          Q11_r
## PPETHM          Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic          6          7
## Black, Non-Hispanic          23          43
## Hispanic          22          57
## Other, Non-Hispanic          8          16
## White, Non-Hispanic          110          263
##          Q11_r
## PPETHM          Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic          36          30
## Black, Non-Hispanic          64          63
## Hispanic          53          97
## Other, Non-Hispanic          26          41
## White, Non-Hispanic          521          659
##
## , , Q11_q = Q11_7_Hospitals
##
##          Q11_r
## PPETHM          Don_t Know High Risk, Very Likely

```

```
## 2+ Races, Non-Hispanic      5      32
## Black, Non-Hispanic        18      85
## Hispanic                   16     118
## Other, Non-Hispanic         6      48
## White, Non-Hispanic        78     699
##
## Q11_r
## PPETHM      Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic      18      24
## Black, Non-Hispanic        44      46
## Hispanic                   34      62
## Other, Non-Hispanic        12      25
## White, Non-Hispanic       266     512
##
## , , Q11_q = Q11_8_Doctor_s.office
##
## Q11_r
## PPETHM      Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic      5      29
## Black, Non-Hispanic        17      81
## Hispanic                   15     108
## Other, Non-Hispanic         6      39
## White, Non-Hispanic        67     737
##
## Q11_r
## PPETHM      Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic      15      30
## Black, Non-Hispanic        39      56
## Hispanic                   28      78
## Other, Non-Hispanic         9      37
## White, Non-Hispanic       217     532
##
## , , Q11_q = Q11_9_Public.transportation
##
## Q11_r
## PPETHM      Don_t Know High Risk, Very Likely
## 2+ Races, Non-Hispanic      6      33
## Black, Non-Hispanic        22      88
## Hispanic                   20     124
## Other, Non-Hispanic         8      51
## White, Non-Hispanic        91     797
##
## Q11_r
## PPETHM      Low Risk, Not Likely Medium Risk, Somewhat Likely
## 2+ Races, Non-Hispanic      15      25
## Black, Non-Hispanic        41      42
## Hispanic                   27      57
## Other, Non-Hispanic        11      21
## White, Non-Hispanic       259     406
```

```
q11 <- q11_long %>%
  group_by(PPETHM, Q11_q, Q11_r) %>%
  count(PPETHM, Q11_q, Q11_r)

ggplot(q11[!is.na(q11$Q11_r), ], aes(x = Q11_r, y = n, fill = PPETHM)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q11_q) +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```



```
# by income
with(q11_long, table(Q11_q, Q11_r, PPINCIMP))
```

```
## , , PPINCIMP = Less than $5,000
##
##
## Q11_r
## Q11_q Don't Know High Risk, Very Likely
## Q11_1_Work 14 11
## Q11_10_Family.or.friends 14 11
## Q11_11_Other 22 2
## Q11_2_Schools 15 18
## Q11_3_Day.care 14 19
## Q11_4_Stores 12 13
## Q11_5_Restaurants 13 11
## Q11_6_Libraries 15 10
## Q11_7_Hospitals 15 19
## Q11_8_Doctor.s.office 14 20
## Q11_9_Public.transportation 14 21
##
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 14
## Q11_10_Family.or.friends 11
## Q11_11_Other 3
## Q11_2_Schools 7
## Q11_3_Day.care 6
## Q11_4_Stores 6
## Q11_5_Restaurants 4
## Q11_6_Libraries 10
## Q11_7_Hospitals 6
## Q11_8_Doctor.s.office 5
## Q11_9_Public.transportation 6
##
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 13
## Q11_10_Family.or.friends 16
```

```

## Q11_11_Other 2
## Q11_2_Schools 12
## Q11_3_Day.care 13
## Q11_4_Stores 21
## Q11_5_Restaurants 24
## Q11_6_Libraries 17
## Q11_7_Hospitals 12
## Q11_8_Doctor_s.office 13
## Q11_9_Public.transportation 11
##
## , , PPINCIMP = $5,000 to $7,499
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 7 5
## Q11_10_Family.or.friends 5 5
## Q11_11_Other 15 0
## Q11_2_Schools 5 6
## Q11_3_Day.care 6 7
## Q11_4_Stores 5 6
## Q11_5_Restaurants 5 6
## Q11_6_Libraries 5 5
## Q11_7_Hospitals 5 7
## Q11_8_Doctor_s.office 5 7
## Q11_9_Public.transportation 5 9
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 6
## Q11_10_Family.or.friends 2
## Q11_11_Other 1
## Q11_2_Schools 4
## Q11_3_Day.care 4
## Q11_4_Stores 4
## Q11_5_Restaurants 3
## Q11_6_Libraries 5
## Q11_7_Hospitals 2
## Q11_8_Doctor_s.office 2
## Q11_9_Public.transportation 2
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 7
## Q11_10_Family.or.friends 13
## Q11_11_Other 2
## Q11_2_Schools 10
## Q11_3_Day.care 8
## Q11_4_Stores 10
## Q11_5_Restaurants 11
## Q11_6_Libraries 10
## Q11_7_Hospitals 11
## Q11_8_Doctor_s.office 11
## Q11_9_Public.transportation 9
##
## , , PPINCIMP = $7,500 to $9,999
##

```

```

##                                     Q11_r
## Q11_q                             Don't Know High Risk, Very Likely
##   Q11_1_Work                       5                               1
##   Q11_10_Family.or.friends         2                               4
##   Q11_11_Other                     4                               1
##   Q11_2_Schools                    4                               3
##   Q11_3_Day.care                   4                               3
##   Q11_4_Stores                     3                               4
##   Q11_5_Restaurants                3                               3
##   Q11_6_Libraries                  3                               3
##   Q11_7_Hospitals                  3                               5
##   Q11_8_Doctor_s.office            3                               3
##   Q11_9_Public.transportation      4                               4
##                                     Q11_r
## Q11_q                             Low Risk, Not Likely
##   Q11_1_Work                       5
##   Q11_10_Family.or.friends         2
##   Q11_11_Other                     1
##   Q11_2_Schools                    3
##   Q11_3_Day.care                   3
##   Q11_4_Stores                     1
##   Q11_5_Restaurants                2
##   Q11_6_Libraries                  0
##   Q11_7_Hospitals                  1
##   Q11_8_Doctor_s.office            1
##   Q11_9_Public.transportation      0
##                                     Q11_r
## Q11_q                             Medium Risk, Somewhat Likely
##   Q11_1_Work                       2
##   Q11_10_Family.or.friends         5
##   Q11_11_Other                     1
##   Q11_2_Schools                    3
##   Q11_3_Day.care                   3
##   Q11_4_Stores                     5
##   Q11_5_Restaurants                6
##   Q11_6_Libraries                  6
##   Q11_7_Hospitals                  3
##   Q11_8_Doctor_s.office            5
##   Q11_9_Public.transportation      4
##
## , , PPINCIMP = $10,000 to $12,499
##
##                                     Q11_r
## Q11_q                             Don't Know High Risk, Very Likely
##   Q11_1_Work                       4                               14
##   Q11_10_Family.or.friends         4                               18
##   Q11_11_Other                     25                              2
##   Q11_2_Schools                    3                               24
##   Q11_3_Day.care                   4                               24
##   Q11_4_Stores                     2                               21
##   Q11_5_Restaurants                2                               15
##   Q11_6_Libraries                  3                               14
##   Q11_7_Hospitals                  3                               25
##   Q11_8_Doctor_s.office            0                               26

```

```

## Q11_9_Public.transportation      2      22
##                               Q11_r
## Q11_q      Low Risk, Not Likely
## Q11_1_Work      20
## Q11_10_Family.or.friends      11
## Q11_11_Other      5
## Q11_2_Schools      19
## Q11_3_Day.care      19
## Q11_4_Stores      12
## Q11_5_Restaurants      12
## Q11_6_Libraries      18
## Q11_7_Hospitals      10
## Q11_8_Doctor_s.office      8
## Q11_9_Public.transportation      16
##                               Q11_r
## Q11_q      Medium Risk, Somewhat Likely
## Q11_1_Work      16
## Q11_10_Family.or.friends      22
## Q11_11_Other      0
## Q11_2_Schools      9
## Q11_3_Day.care      8
## Q11_4_Stores      20
## Q11_5_Restaurants      25
## Q11_6_Libraries      21
## Q11_7_Hospitals      18
## Q11_8_Doctor_s.office      20
## Q11_9_Public.transportation      13
##
## , , PPINCIMP = $12,500 to $14,999
##
##                               Q11_r
## Q11_q      Don_t Know High Risk, Very Likely
## Q11_1_Work      8      11
## Q11_10_Family.or.friends      8      11
## Q11_11_Other      20      3
## Q11_2_Schools      7      19
## Q11_3_Day.care      10      16
## Q11_4_Stores      6      17
## Q11_5_Restaurants      6      13
## Q11_6_Libraries      7      10
## Q11_7_Hospitals      4      24
## Q11_8_Doctor_s.office      3      21
## Q11_9_Public.transportation      8      20
##                               Q11_r
## Q11_q      Low Risk, Not Likely
## Q11_1_Work      13
## Q11_10_Family.or.friends      10
## Q11_11_Other      3
## Q11_2_Schools      12
## Q11_3_Day.care      13
## Q11_4_Stores      6
## Q11_5_Restaurants      6
## Q11_6_Libraries      13
## Q11_7_Hospitals      10

```



```

## Q11_8_Doctor_s.office 11
## Q11_9_Public.transportation 9
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 15
## Q11_10_Family.or.friends 18
## Q11_11_Other 0
## Q11_2_Schools 9
## Q11_3_Day.care 8
## Q11_4_Stores 18
## Q11_5_Restaurants 22
## Q11_6_Libraries 17
## Q11_7_Hospitals 9
## Q11_8_Doctor_s.office 12
## Q11_9_Public.transportation 10
##
## , , PPINCIMP = $15,000 to $19,999
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 12 14
## Q11_10_Family.or.friends 8 11
## Q11_11_Other 29 1
## Q11_2_Schools 12 28
## Q11_3_Day.care 12 28
## Q11_4_Stores 10 18
## Q11_5_Restaurants 8 16
## Q11_6_Libraries 12 11
## Q11_7_Hospitals 9 30
## Q11_8_Doctor_s.office 9 29
## Q11_9_Public.transportation 9 30
##
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 15
## Q11_10_Family.or.friends 15
## Q11_11_Other 0
## Q11_2_Schools 8
## Q11_3_Day.care 13
## Q11_4_Stores 10
## Q11_5_Restaurants 11
## Q11_6_Libraries 19
## Q11_7_Hospitals 5
## Q11_8_Doctor_s.office 6
## Q11_9_Public.transportation 9
##
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 22
## Q11_10_Family.or.friends 29
## Q11_11_Other 2
## Q11_2_Schools 15
## Q11_3_Day.care 10
## Q11_4_Stores 25
## Q11_5_Restaurants 28
## Q11_6_Libraries 21

```

```

## Q11_7_Hospitals 19
## Q11_8_Doctor_s.office 19
## Q11_9_Public.transportation 15
##
## , , PPINCIMP = $20,000 to $24,999
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 10 12
## Q11_10_Family.or.friends 7 19
## Q11_11_Other 27 2
## Q11_2_Schools 7 28
## Q11_3_Day.care 8 28
## Q11_4_Stores 5 16
## Q11_5_Restaurants 4 14
## Q11_6_Libraries 6 10
## Q11_7_Hospitals 5 34
## Q11_8_Doctor_s.office 4 34
## Q11_9_Public.transportation 5 32
##
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 20
## Q11_10_Family.or.friends 11
## Q11_11_Other 3
## Q11_2_Schools 12
## Q11_3_Day.care 14
## Q11_4_Stores 11
## Q11_5_Restaurants 14
## Q11_6_Libraries 22
## Q11_7_Hospitals 12
## Q11_8_Doctor_s.office 9
## Q11_9_Public.transportation 7
##
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 29
## Q11_10_Family.or.friends 34
## Q11_11_Other 2
## Q11_2_Schools 24
## Q11_3_Day.care 21
## Q11_4_Stores 39
## Q11_5_Restaurants 39
## Q11_6_Libraries 33
## Q11_7_Hospitals 20
## Q11_8_Doctor_s.office 24
## Q11_9_Public.transportation 27
##
## , , PPINCIMP = $25,000 to $29,999
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 10 33
## Q11_10_Family.or.friends 3 24
## Q11_11_Other 41 4
## Q11_2_Schools 9 45

```

##	Q11_3_Day.care	10	43
##	Q11_4_Stores	3	31
##	Q11_5_Restaurants	3	29
##	Q11_6_Libraries	8	20
##	Q11_7_Hospitals	6	44
##	Q11_8_Doctor_s.office	5	45
##	Q11_9_Public.transportation	7	54
##	Q11_r		
##	Q11_q	Low Risk, Not Likely	
##	Q11_1_Work	27	
##	Q11_10_Family.or.friends	22	
##	Q11_11_Other	8	
##	Q11_2_Schools	25	
##	Q11_3_Day.care	29	
##	Q11_4_Stores	22	
##	Q11_5_Restaurants	23	
##	Q11_6_Libraries	35	
##	Q11_7_Hospitals	23	
##	Q11_8_Doctor_s.office	19	
##	Q11_9_Public.transportation	20	
##	Q11_r		
##	Q11_q	Medium Risk, Somewhat Likely	
##	Q11_1_Work	29	
##	Q11_10_Family.or.friends	50	
##	Q11_11_Other	2	
##	Q11_2_Schools	20	
##	Q11_3_Day.care	17	
##	Q11_4_Stores	43	
##	Q11_5_Restaurants	44	
##	Q11_6_Libraries	36	
##	Q11_7_Hospitals	26	
##	Q11_8_Doctor_s.office	30	
##	Q11_9_Public.transportation	18	
##			
##	, , PPINCIMP = \$30,000 to \$34,999		
##			
##	Q11_r		
##	Q11_q	Don't Know High Risk, Very Likely	
##	Q11_1_Work	11	24
##	Q11_10_Family.or.friends	6	20
##	Q11_11_Other	42	2
##	Q11_2_Schools	10	34
##	Q11_3_Day.care	11	34
##	Q11_4_Stores	6	24
##	Q11_5_Restaurants	7	22
##	Q11_6_Libraries	8	21
##	Q11_7_Hospitals	7	36
##	Q11_8_Doctor_s.office	8	40
##	Q11_9_Public.transportation	7	39
##	Q11_r		
##	Q11_q	Low Risk, Not Likely	
##	Q11_1_Work	26	
##	Q11_10_Family.or.friends	24	
##	Q11_11_Other	6	

##	Q11_2_Schools	29
##	Q11_3_Day.care	31
##	Q11_4_Stores	17
##	Q11_5_Restaurants	19
##	Q11_6_Libraries	31
##	Q11_7_Hospitals	19
##	Q11_8_Doctor_s.office	15
##	Q11_9_Public.transportation	25
##	Q11_r	
##	Q11_q	Medium Risk, Somewhat Likely
##	Q11_1_Work	30
##	Q11_10_Family.or.friends	41
##	Q11_11_Other	2
##	Q11_2_Schools	17
##	Q11_3_Day.care	14
##	Q11_4_Stores	43
##	Q11_5_Restaurants	42
##	Q11_6_Libraries	30
##	Q11_7_Hospitals	29
##	Q11_8_Doctor_s.office	27
##	Q11_9_Public.transportation	19
##		
##	, , PPINCIMP = \$35,000 to \$39,999	
##		
##	Q11_r	
##	Q11_q	Don't Know High Risk, Very Likely
##	Q11_1_Work	10 32
##	Q11_10_Family.or.friends	6 33
##	Q11_11_Other	39 5
##	Q11_2_Schools	12 44
##	Q11_3_Day.care	15 38
##	Q11_4_Stores	6 32
##	Q11_5_Restaurants	7 29
##	Q11_6_Libraries	11 26
##	Q11_7_Hospitals	8 47
##	Q11_8_Doctor_s.office	5 43
##	Q11_9_Public.transportation	10 53
##	Q11_r	
##	Q11_q	Low Risk, Not Likely
##	Q11_1_Work	26
##	Q11_10_Family.or.friends	20
##	Q11_11_Other	7
##	Q11_2_Schools	31
##	Q11_3_Day.care	32
##	Q11_4_Stores	15
##	Q11_5_Restaurants	20
##	Q11_6_Libraries	27
##	Q11_7_Hospitals	26
##	Q11_8_Doctor_s.office	23
##	Q11_9_Public.transportation	18
##	Q11_r	
##	Q11_q	Medium Risk, Somewhat Likely
##	Q11_1_Work	36
##	Q11_10_Family.or.friends	45

```

## Q11_11_Other 6
## Q11_2_Schools 17
## Q11_3_Day.care 19
## Q11_4_Stores 51
## Q11_5_Restaurants 48
## Q11_6_Libraries 40
## Q11_7_Hospitals 23
## Q11_8_Doctor_s.office 33
## Q11_9_Public.transportation 23
##
## , , PPINCIMP = $40,000 to $49,999
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 9 37
## Q11_10_Family.or.friends 8 41
## Q11_11_Other 71 1
## Q11_2_Schools 11 59
## Q11_3_Day.care 10 59
## Q11_4_Stores 7 40
## Q11_5_Restaurants 5 34
## Q11_6_Libraries 8 24
## Q11_7_Hospitals 6 66
## Q11_8_Doctor_s.office 6 74
## Q11_9_Public.transportation 9 71
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 52
## Q11_10_Family.or.friends 35
## Q11_11_Other 12
## Q11_2_Schools 40
## Q11_3_Day.care 51
## Q11_4_Stores 32
## Q11_5_Restaurants 33
## Q11_6_Libraries 56
## Q11_7_Hospitals 34
## Q11_8_Doctor_s.office 24
## Q11_9_Public.transportation 31
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 49
## Q11_10_Family.or.friends 63
## Q11_11_Other 3
## Q11_2_Schools 37
## Q11_3_Day.care 27
## Q11_4_Stores 68
## Q11_5_Restaurants 75
## Q11_6_Libraries 59
## Q11_7_Hospitals 41
## Q11_8_Doctor_s.office 43
## Q11_9_Public.transportation 36
##
## , , PPINCIMP = $50,000 to $59,999
##

```

```

##                                     Q11_r
## Q11_q                             Don't Know High Risk, Very Likely
##   Q11_1_Work                      16                      33
##   Q11_10_Family.or.friends        7                      52
##   Q11_11_Other                    75                      2
##   Q11_2_Schools                   14                      81
##   Q11_3_Day.care                  19                      81
##   Q11_4_Stores                     6                      45
##   Q11_5_Restaurants                9                      33
##   Q11_6_Libraries                  14                      32
##   Q11_7_Hospitals                 10                      79
##   Q11_8_Doctor_s.office            10                      80
##   Q11_9_Public.transportation      16                      92
##                                     Q11_r
## Q11_q                             Low Risk, Not Likely
##   Q11_1_Work                      59
##   Q11_10_Family.or.friends        43
##   Q11_11_Other                     7
##   Q11_2_Schools                   45
##   Q11_3_Day.care                  48
##   Q11_4_Stores                    36
##   Q11_5_Restaurants               42
##   Q11_6_Libraries                 61
##   Q11_7_Hospitals                 29
##   Q11_8_Doctor_s.office            28
##   Q11_9_Public.transportation      34
##                                     Q11_r
## Q11_q                             Medium Risk, Somewhat Likely
##   Q11_1_Work                      74
##   Q11_10_Family.or.friends        80
##   Q11_11_Other                     4
##   Q11_2_Schools                   42
##   Q11_3_Day.care                  34
##   Q11_4_Stores                    95
##   Q11_5_Restaurants               98
##   Q11_6_Libraries                 75
##   Q11_7_Hospitals                 64
##   Q11_8_Doctor_s.office            64
##   Q11_9_Public.transportation      40
##
## , , PPINCIMP = $60,000 to $74,999
##
##                                     Q11_r
## Q11_q                             Don't Know High Risk, Very Likely
##   Q11_1_Work                      14                      61
##   Q11_10_Family.or.friends        10                      64
##   Q11_11_Other                    91                      5
##   Q11_2_Schools                   18                      87
##   Q11_3_Day.care                  19                      88
##   Q11_4_Stores                    12                      51
##   Q11_5_Restaurants               10                      52
##   Q11_6_Libraries                 13                      40
##   Q11_7_Hospitals                 12                      96
##   Q11_8_Doctor_s.office            9                      105

```

##	Q11_9_Public.transportation	13	113
##		Q11_r	
##	Q11_q	Low Risk, Not Likely	
##	Q11_1_Work	66	
##	Q11_10_Family.or.friends	39	
##	Q11_11_Other	11	
##	Q11_2_Schools	66	
##	Q11_3_Day.care	69	
##	Q11_4_Stores	40	
##	Q11_5_Restaurants	38	
##	Q11_6_Libraries	77	
##	Q11_7_Hospitals	38	
##	Q11_8_Doctor_s.office	34	
##	Q11_9_Public.transportation	42	
##		Q11_r	
##	Q11_q	Medium Risk, Somewhat Likely	
##	Q11_1_Work	81	
##	Q11_10_Family.or.friends	109	
##	Q11_11_Other	7	
##	Q11_2_Schools	50	
##	Q11_3_Day.care	45	
##	Q11_4_Stores	119	
##	Q11_5_Restaurants	122	
##	Q11_6_Libraries	91	
##	Q11_7_Hospitals	76	
##	Q11_8_Doctor_s.office	74	
##	Q11_9_Public.transportation	54	
##			
##	, , PPINCIMP = \$75,000 to \$84,999		
##			
##		Q11_r	
##	Q11_q	Don't Know High Risk, Very Likely	
##	Q11_1_Work	14	43
##	Q11_10_Family.or.friends	10	39
##	Q11_11_Other	73	3
##	Q11_2_Schools	12	69
##	Q11_3_Day.care	17	68
##	Q11_4_Stores	8	48
##	Q11_5_Restaurants	5	45
##	Q11_6_Libraries	12	30
##	Q11_7_Hospitals	4	74
##	Q11_8_Doctor_s.office	6	72
##	Q11_9_Public.transportation	7	90
##		Q11_r	
##	Q11_q	Low Risk, Not Likely	
##	Q11_1_Work	46	
##	Q11_10_Family.or.friends	32	
##	Q11_11_Other	3	
##	Q11_2_Schools	33	
##	Q11_3_Day.care	34	
##	Q11_4_Stores	27	
##	Q11_5_Restaurants	25	
##	Q11_6_Libraries	54	
##	Q11_7_Hospitals	29	

```

## Q11_8_Doctor_s.office 27
## Q11_9_Public.transportation 23
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 56
## Q11_10_Family.or.friends 78
## Q11_11_Other 3
## Q11_2_Schools 45
## Q11_3_Day.care 40
## Q11_4_Stores 76
## Q11_5_Restaurants 84
## Q11_6_Libraries 63
## Q11_7_Hospitals 52
## Q11_8_Doctor_s.office 54
## Q11_9_Public.transportation 39
##
## , , PPINCIMP = $85,000 to $99,999
##
## Q11_r
## Q11_q Don't Know High Risk, Very Likely
## Q11_1_Work 7 40
## Q11_10_Family.or.friends 3 33
## Q11_11_Other 58 3
## Q11_2_Schools 5 68
## Q11_3_Day.care 6 69
## Q11_4_Stores 3 38
## Q11_5_Restaurants 2 34
## Q11_6_Libraries 5 30
## Q11_7_Hospitals 2 73
## Q11_8_Doctor_s.office 1 74
## Q11_9_Public.transportation 3 80
##
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 53
## Q11_10_Family.or.friends 41
## Q11_11_Other 9
## Q11_2_Schools 38
## Q11_3_Day.care 41
## Q11_4_Stores 26
## Q11_5_Restaurants 31
## Q11_6_Libraries 43
## Q11_7_Hospitals 24
## Q11_8_Doctor_s.office 21
## Q11_9_Public.transportation 26
##
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 52
## Q11_10_Family.or.friends 75
## Q11_11_Other 8
## Q11_2_Schools 41
## Q11_3_Day.care 36
## Q11_4_Stores 85
## Q11_5_Restaurants 85
## Q11_6_Libraries 74

```



```

## Q11_7_Hospitals 53
## Q11_8_Doctor_s.office 56
## Q11_9_Public.transportation 43
##
## , , PPINCIMP = $100,000 to $124,999
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 17 86
## Q11_10_Family.or.friends 9 69
## Q11_11_Other 146 10
## Q11_2_Schools 18 143
## Q11_3_Day.care 27 145
## Q11_4_Stores 12 60
## Q11_5_Restaurants 13 53
## Q11_6_Libraries 24 38
## Q11_7_Hospitals 12 147
## Q11_8_Doctor_s.office 9 151
## Q11_9_Public.transportation 16 165
##
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 90
## Q11_10_Family.or.friends 88
## Q11_11_Other 14
## Q11_2_Schools 73
## Q11_3_Day.care 77
## Q11_4_Stores 68
## Q11_5_Restaurants 74
## Q11_6_Libraries 115
## Q11_7_Hospitals 60
## Q11_8_Doctor_s.office 41
## Q11_9_Public.transportation 46
##
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 132
## Q11_10_Family.or.friends 158
## Q11_11_Other 4
## Q11_2_Schools 91
## Q11_3_Day.care 76
## Q11_4_Stores 185
## Q11_5_Restaurants 185
## Q11_6_Libraries 147
## Q11_7_Hospitals 106
## Q11_8_Doctor_s.office 124
## Q11_9_Public.transportation 98
##
## , , PPINCIMP = $125,000 to $149,999
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 6 26
## Q11_10_Family.or.friends 4 35
## Q11_11_Other 61 1
## Q11_2_Schools 6 55

```

##	Q11_3_Day.care	7	67
##	Q11_4_Stores	4	34
##	Q11_5_Restaurants	4	26
##	Q11_6_Libraries	6	23
##	Q11_7_Hospitals	4	69
##	Q11_8_Doctor_s.office	4	66
##	Q11_9_Public.transportation	4	77
##	Q11_r		
##	Q11_q	Low Risk, Not Likely	
##	Q11_1_Work	44	
##	Q11_10_Family.or.friends	27	
##	Q11_11_Other	4	
##	Q11_2_Schools	22	
##	Q11_3_Day.care	27	
##	Q11_4_Stores	31	
##	Q11_5_Restaurants	37	
##	Q11_6_Libraries	41	
##	Q11_7_Hospitals	17	
##	Q11_8_Doctor_s.office	14	
##	Q11_9_Public.transportation	13	
##	Q11_r		
##	Q11_q	Medium Risk, Somewhat Likely	
##	Q11_1_Work	56	
##	Q11_10_Family.or.friends	66	
##	Q11_11_Other	2	
##	Q11_2_Schools	49	
##	Q11_3_Day.care	31	
##	Q11_4_Stores	63	
##	Q11_5_Restaurants	65	
##	Q11_6_Libraries	62	
##	Q11_7_Hospitals	42	
##	Q11_8_Doctor_s.office	48	
##	Q11_9_Public.transportation	38	
##			
##	, , PPINCIMP = \$150,000 to \$174,999		
##			
##	Q11_r		
##	Q11_q	Don't Know High Risk, Very Likely	
##	Q11_1_Work	4	21
##	Q11_10_Family.or.friends	1	25
##	Q11_11_Other	25	2
##	Q11_2_Schools	3	41
##	Q11_3_Day.care	4	44
##	Q11_4_Stores	1	23
##	Q11_5_Restaurants	1	19
##	Q11_6_Libraries	3	15
##	Q11_7_Hospitals	1	42
##	Q11_8_Doctor_s.office	1	39
##	Q11_9_Public.transportation	1	50
##	Q11_r		
##	Q11_q	Low Risk, Not Likely	
##	Q11_1_Work	24	
##	Q11_10_Family.or.friends	20	
##	Q11_11_Other	3	

```

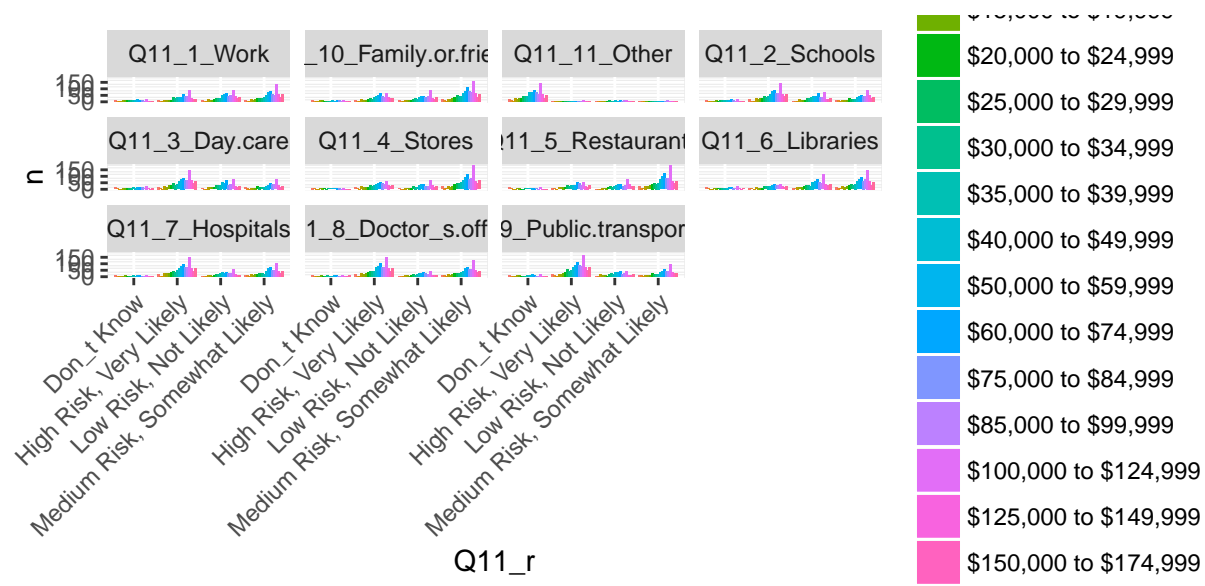
## Q11_2_Schools 16
## Q11_3_Day.care 17
## Q11_4_Stores 17
## Q11_5_Restaurants 21
## Q11_6_Libraries 32
## Q11_7_Hospitals 15
## Q11_8_Doctor_s.office 10
## Q11_9_Public.transportation 8
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 35
## Q11_10_Family.or.friends 38
## Q11_11_Other 3
## Q11_2_Schools 24
## Q11_3_Day.care 19
## Q11_4_Stores 43
## Q11_5_Restaurants 43
## Q11_6_Libraries 34
## Q11_7_Hospitals 26
## Q11_8_Doctor_s.office 34
## Q11_9_Public.transportation 25
##
## , , PPINCIMP = $175,000 or more
##
## Q11_r
## Q11_q Don_t Know High Risk, Very Likely
## Q11_1_Work 7 20
## Q11_10_Family.or.friends 6 27
## Q11_11_Other 51 2
## Q11_2_Schools 7 57
## Q11_3_Day.care 11 63
## Q11_4_Stores 4 30
## Q11_5_Restaurants 4 29
## Q11_6_Libraries 6 24
## Q11_7_Hospitals 7 65
## Q11_8_Doctor_s.office 8 65
## Q11_9_Public.transportation 7 71
## Q11_r
## Q11_q Low Risk, Not Likely
## Q11_1_Work 37
## Q11_10_Family.or.friends 32
## Q11_11_Other 4
## Q11_2_Schools 25
## Q11_3_Day.care 26
## Q11_4_Stores 24
## Q11_5_Restaurants 27
## Q11_6_Libraries 41
## Q11_7_Hospitals 14
## Q11_8_Doctor_s.office 10
## Q11_9_Public.transportation 18
## Q11_r
## Q11_q Medium Risk, Somewhat Likely
## Q11_1_Work 61
## Q11_10_Family.or.friends 60

```

```
## Q11_11_Other 1
## Q11_2_Schools 36
## Q11_3_Day.care 25
## Q11_4_Stores 67
## Q11_5_Restaurants 65
## Q11_6_Libraries 54
## Q11_7_Hospitals 39
## Q11_8_Doctor_s.office 42
## Q11_9_Public.transportation 29
```

```
q11 <- q11_long %>%
  group_by(PPINCIMP, Q11_q, Q11_r) %>%
  count(PPINCIMP, Q11_q, Q11_r)

ggplot(q11[!is.na(q11$Q11_r), ], aes(x = Q11_r, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge()) + facet_wrap(~Q11_q) +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```



Q12. Which of the following actions do you take to avoid getting sick?

```
Q12 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 75:91) %>%
  gather("q", "r", 7:21)

with(Q12, table(q, r))
```

```
## r
## q Always Never
## Q12_1_Avoid.touching.my.eyes 653 324
## Q12_10_Get.recommended.vaccine 1041 564
## Q12_11_Take.preventive.medicine 425 831
## Q12_12_Cover.my.nose.and.mouth.with.a.surgical.mask 218 1568
## Q12_13_Avoid.contact.with.people.who.are.sick 765 153
```

```
## Q12_14_Avoid.crowded.places 406 413
## Q12_15_Other 91 472
## Q12_2_Avoid.touching.my.nose 613 349
## Q12_3_Avoid.touching.my.mouth 758 300
## Q12_4_Wash.my.hands.with.soap.more.often 1774 52
## Q12_5_Use.hand.sanitizers 911 278
## Q12_6_Clean.the-surfaces.in.my.home 1132 115
## Q12_7_Clean.the-surfaces.at.work 752 544
## Q12_8_Eat.nutritious.food 895 107
## Q12_9_Get.adequate.rest 899 114
##
## r
## q Sometimes
## Q12_1_Avoid.touching.my.eyes 1168
## Q12_10_Get.recommended.vaccine 540
## Q12_11_Take.preventive.medicine 890
## Q12_12_Cover.my.nose.and.mouth.with.a.surgical.mask 358
## Q12_13_Avoid.contact.with.people.who.are.sick 1228
## Q12_14_Avoid.crowded.places 1322
## Q12_15_Other 87
## Q12_2_Avoid.touching.my.nose 1183
## Q12_3_Avoid.touching.my.mouth 1085
## Q12_4_Wash.my.hands.with.soap.more.often 317
## Q12_5_Use.hand.sanitizers 957
## Q12_6_Clean.the-surfaces.in.my.home 899
## Q12_7_Clean.the-surfaces.at.work 842
## Q12_8_Eat.nutritious.food 1144
## Q12_9_Get.adequate.rest 1130
```

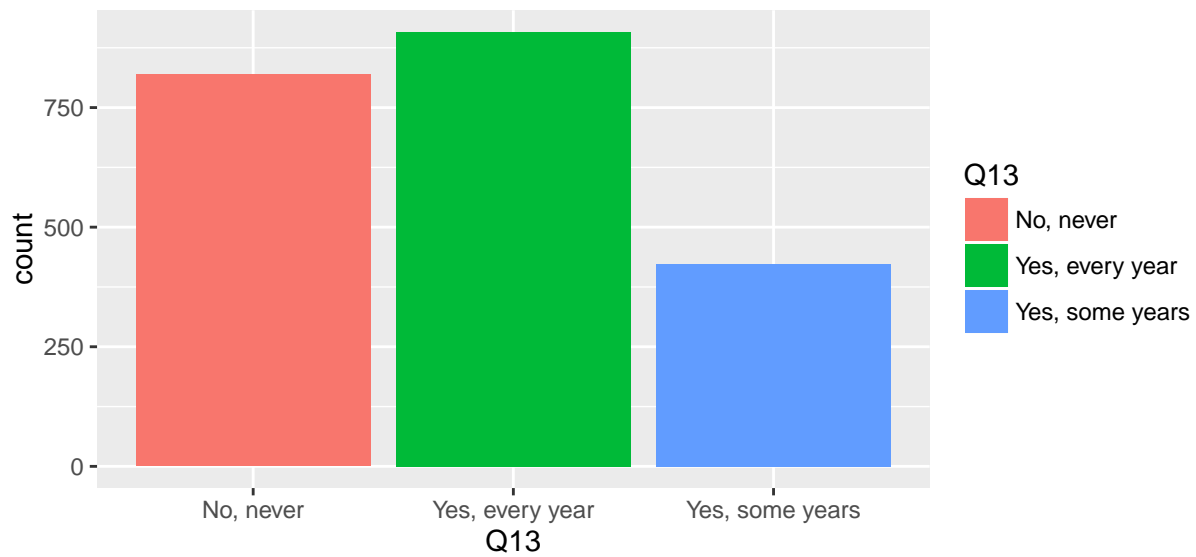
```
q12 <- Q12 %>%
  count(q, r)
```

Q13. Do you get the flu vaccine?

```
with(data2, table(Q13))
```

```
## Q13
## No, never Yes, every year Yes, some years
## 819 908 423
```

```
ggplot(data2[!is.na(data2$Q13), ]) + geom_bar(mapping = aes(x = Q13, fill = Q13), position = position_d
```

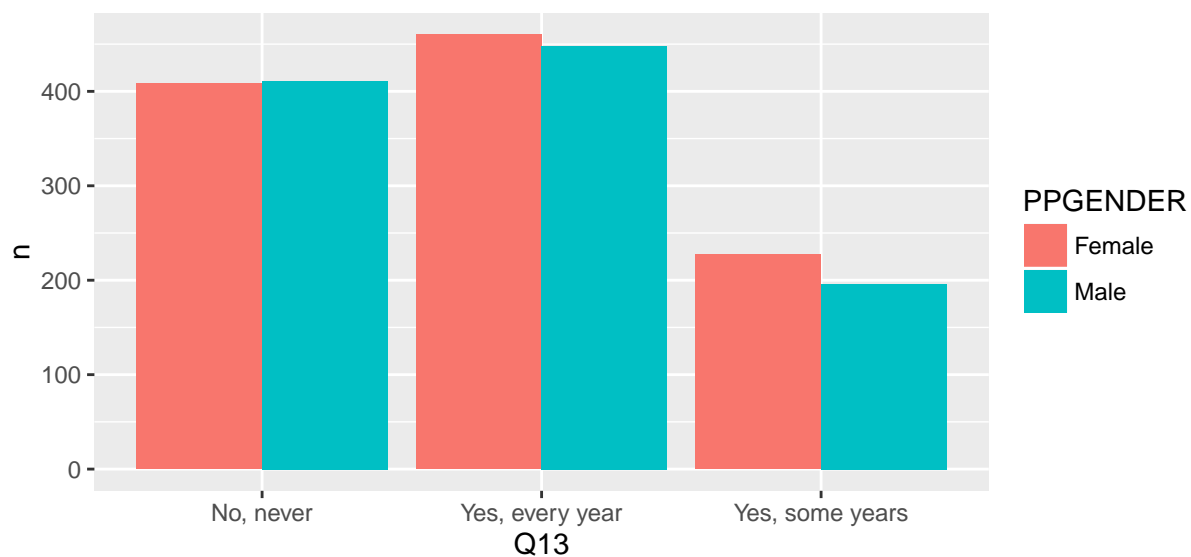


```
# by gender
with(data2, table(Q13, PPGENDER))
```

```
##                PPGENDER
## Q13            Female Male
## No, never       408  411
## Yes, every year  460  448
## Yes, some years  227  196
```

```
q13 <- data2 %>%
  count(Q13, PPGENDER)

ggplot(q13[!is.na(q13$Q13), ], aes(x = Q13, y = n, fill = PPGENDER)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

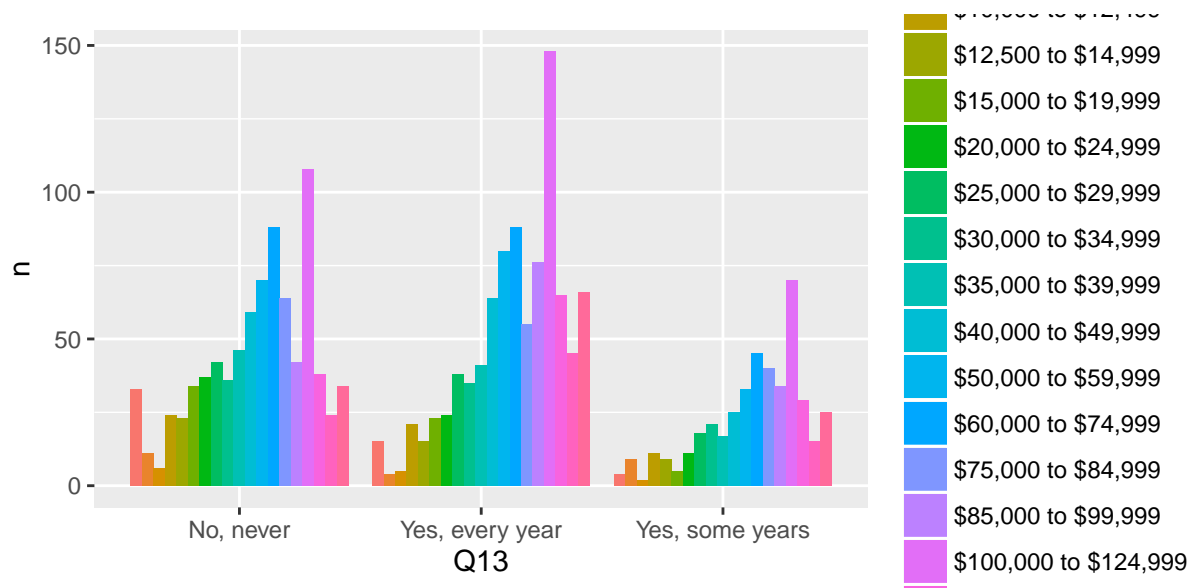


```
# by eth
with(data2, table(Q13, PPINCIMP))
```

```
##          PPINCIMP
## Q13      Less than $5,000 $5,000 to $7,499 $7,500 to $9,999
## No, never          33          11          6
## Yes, every year     15          4          5
## Yes, some years      4          9          2
##          PPINCIMP
## Q13      $10,000 to $12,499 $12,500 to $14,999 $15,000 to $19,999
## No, never          24          23          34
## Yes, every year     21          15          23
## Yes, some years     11          9          5
##          PPINCIMP
## Q13      $20,000 to $24,999 $25,000 to $29,999 $30,000 to $34,999
## No, never          37          42          36
## Yes, every year     24          38          35
## Yes, some years     11          18          21
##          PPINCIMP
## Q13      $35,000 to $39,999 $40,000 to $49,999 $50,000 to $59,999
## No, never          46          59          70
## Yes, every year     41          64          80
## Yes, some years     17          25          33
##          PPINCIMP
## Q13      $60,000 to $74,999 $75,000 to $84,999 $85,000 to $99,999
## No, never          88          64          42
## Yes, every year     88          55          76
## Yes, some years     45          40          34
##          PPINCIMP
## Q13      $100,000 to $124,999 $125,000 to $149,999
## No, never          108          38
## Yes, every year     148          65
## Yes, some years      70          29
##          PPINCIMP
## Q13      $150,000 to $174,999 $175,000 or more
## No, never          24          34
## Yes, every year     45          66
## Yes, some years     15          25
```

```
q13 <- data2 %>%
  count(Q13, PPINCIMP)

ggplot(q13[!is.na(q13$Q13), ], aes(x = Q13, y = n, fill = PPINCIMP)) +
  geom_bar(stat = 'identity', position = position_dodge())
```

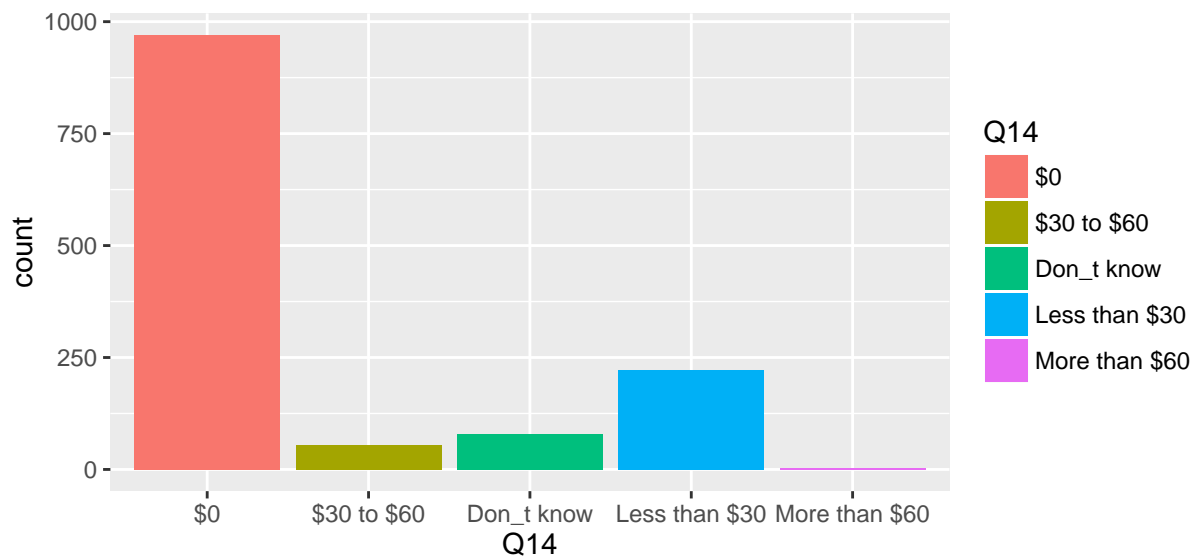


Q14. How much do you pay to get an influenza vaccine?

```
with(data2, table(Q14))
```

```
## Q14
##           $0      $30 to $60  Don_t know Less than $30 More than $60
##           970           54          80          222           4
```

```
ggplot(data2[!is.na(data2$Q14), ]) + geom_bar(mapping = aes(x = Q14, fill = Q14), position = position_d
```



```
# by gender
with(data2, by(Q14, PPGENDER, summary))
```

```
## PPGENDER: Female
```



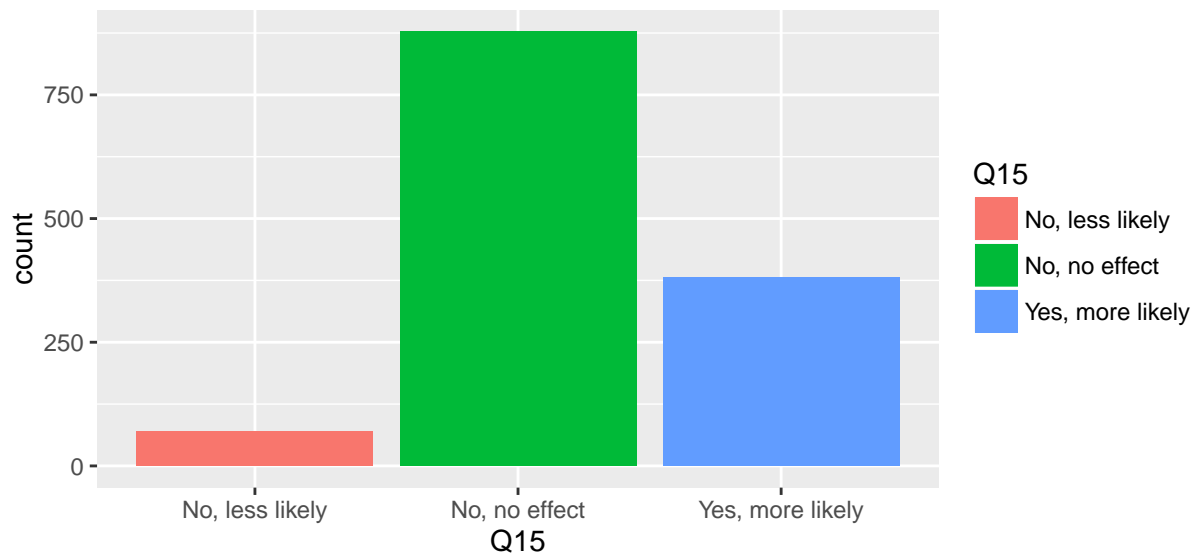
```
##          $0      $30 to $60  Don't know Less than $30 More than $60
##          514          28          41          101          2
##          NA's
##          411
## -----
## PPGENDER: Male
##          $0      $30 to $60  Don't know Less than $30 More than $60
##          456          26          39          121          2
##          NA's
##          427
```

Q15. Are you more likely to get a vaccine if others around you get a vaccine?

```
with(data2, table(Q15))
```

```
## Q15
## No, less likely  No, no effect Yes, more likely
##              70          878          381
```

```
ggplot(data2[!is.na(data2$Q15), ]) + geom_bar(mapping = aes(x = Q15, fill = Q15), position = position_d
```

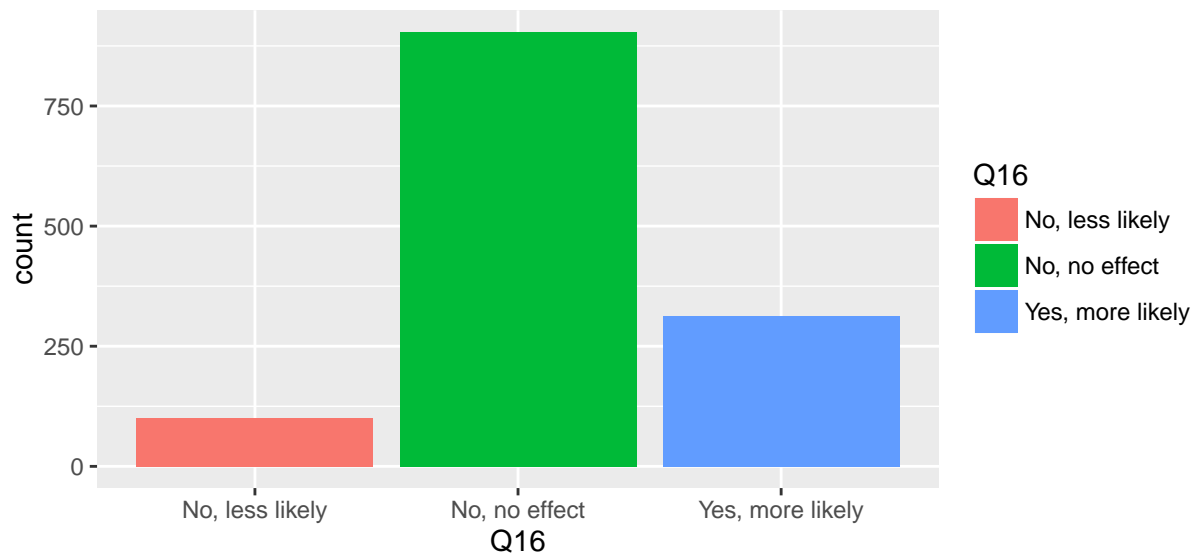


Q16. Are you more likely to get a vaccine if others around you do not get a vaccine?

```
with(data2, table(Q16))
```

```
## Q16
## No, less likely  No, no effect Yes, more likely
##              101          904          313
```

```
ggplot(data2[!is.na(data2$Q16), ]) + geom_bar(mapping = aes(x = Q16, fill = Q16), position = position_d
```

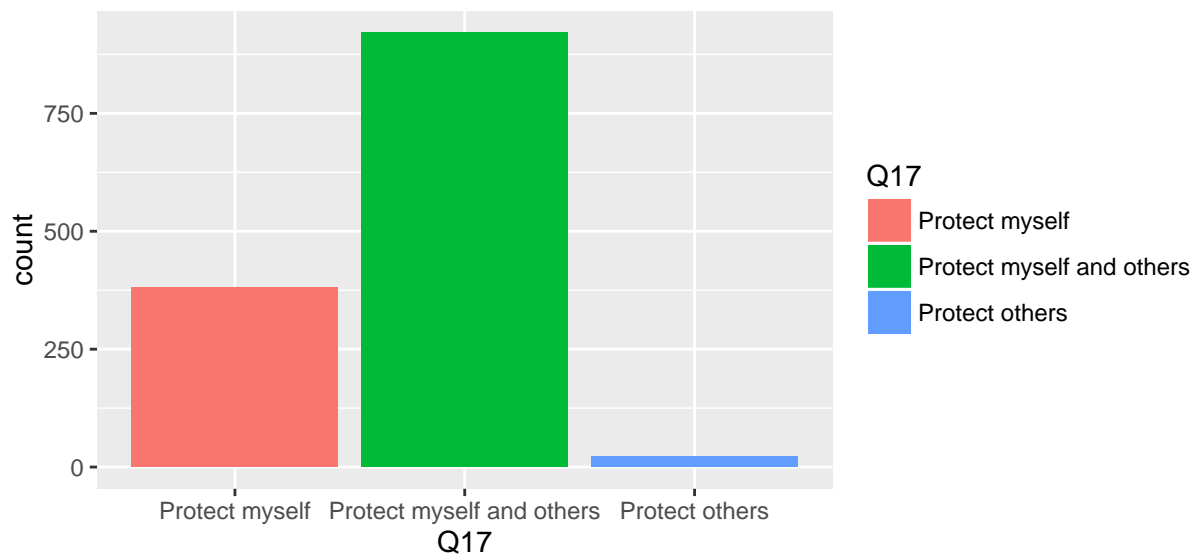


Q17. Do you get a vaccine to protect yourself, protect others, or protect yourself and others?

```
with(data2, table(Q17))
```

```
## Q17
##      Protect myself Protect myself and others
##              381              921
##      Protect others
##              22
```

```
ggplot(data2[!is.na(data2$Q17), ]) + geom_bar(mapping = aes(x = Q17, fill = Q17), position = position_d
```



Q18. What are the reasons you would not get an influenza vaccine?

```
Q18 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 97:108) %>%
  gather("q", "r", 7:Q18_10_Other)

with(Q18, table(q, r))
```

```
##
## q r
## Q18_1_The.vaccine.costs.too.much 1132
## Q18_10_Other 1064
## Q18_2_The.vaccine.is.not.very.effective.in.preventing.influenza 903
## Q18_3_I.am.not.likely.to.get.influenza 964
## Q18_4_Do.not.know.where.to.get.vaccine 1199
## Q18_5_The.side.effect.of.the.vaccine.are.too.risky 958
## Q18_6_I.am.allergic.to.some.of.the.ingredients.in.the.vaccine 1184
## Q18_7_I.do.not.like.shots 976
## Q18_8_I.just.don_t.get.around.to.doing.it 878
## Q18_9_I.have.to.travel.too.far.to.get.vaccine 1216
##
## r
## q Yes
## Q18_1_The.vaccine.costs.too.much 110
## Q18_10_Other 178
## Q18_2_The.vaccine.is.not.very.effective.in.preventing.influenza 339
## Q18_3_I.am.not.likely.to.get.influenza 278
## Q18_4_Do.not.know.where.to.get.vaccine 43
## Q18_5_The.side.effect.of.the.vaccine.are.too.risky 284
## Q18_6_I.am.allergic.to.some.of.the.ingredients.in.the.vaccine 58
## Q18_7_I.do.not.like.shots 266
## Q18_8_I.just.don_t.get.around.to.doing.it 364
## Q18_9_I.have.to.travel.too.far.to.get.vaccine 26
```

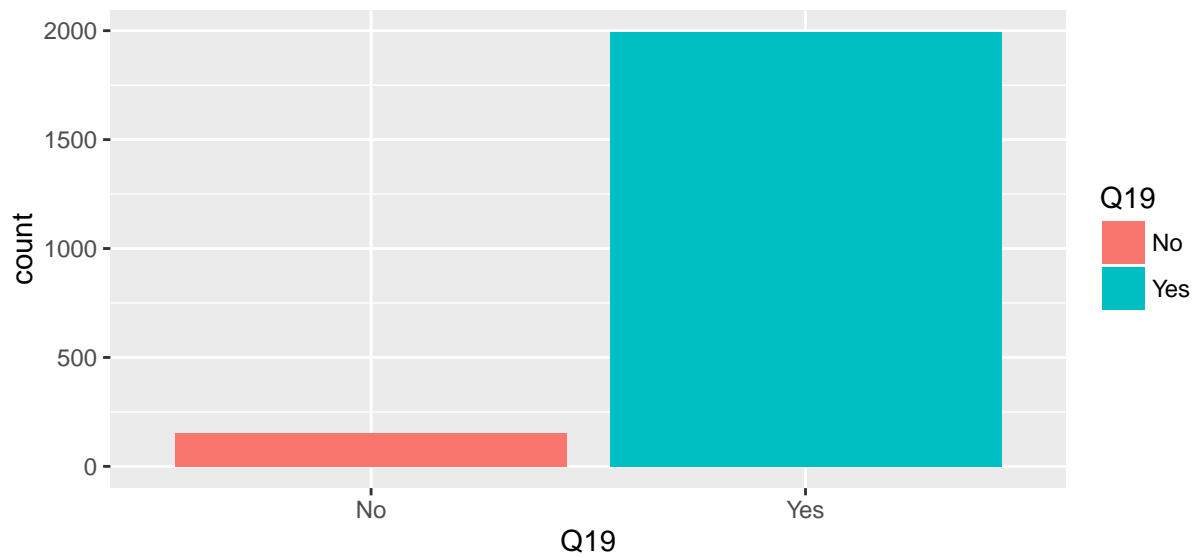
```
q18 <- Q18 %>%
  count(q, r)
```

Q19. Do you have health insurance?

```
with(data2, table(Q19))
```

```
## Q19
## No Yes
## 154 1994
```

```
ggplot(data2[!is.na(data2$Q19), ]) + geom_bar(mapping = aes(x = Q19, fill = Q19), position = position_d
```

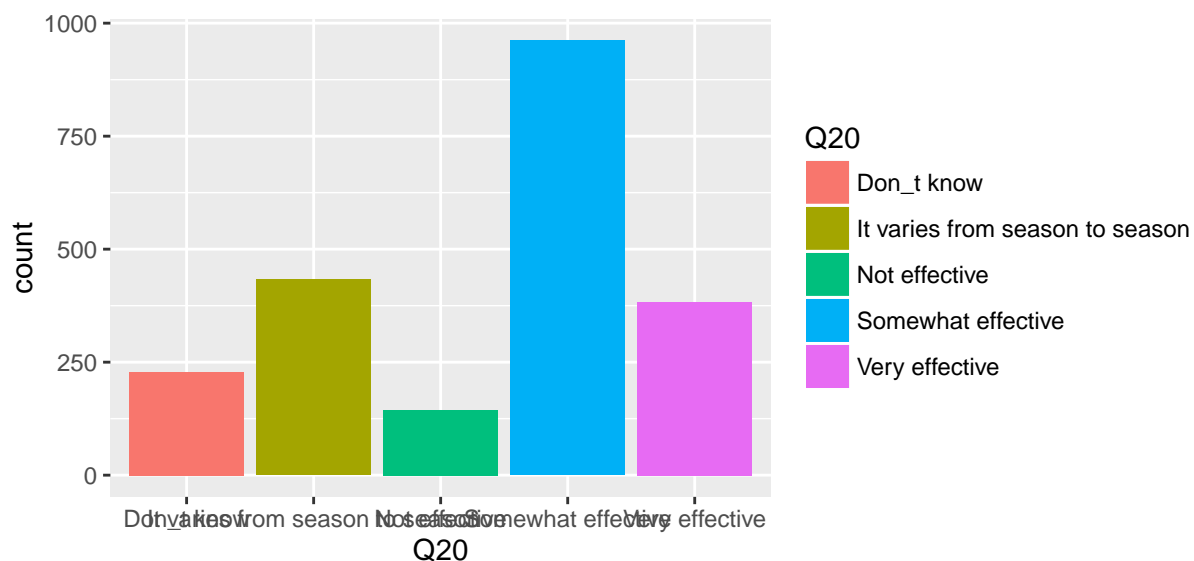


Q20. How effective do you think the influenza vaccine is in protecting people from becoming sick with influenza?

```
with(data2, table(Q20))
```

```
## Q20
##           Don't know It varies from season to season
##           228           433
##           Not effective           Somewhat effective
##           144           961
##           Very effective
##           383
```

```
ggplot(data2[!is.na(data2$Q20), ]) + geom_bar(mapping = aes(x = Q20, fill = Q20), position = position_d
```

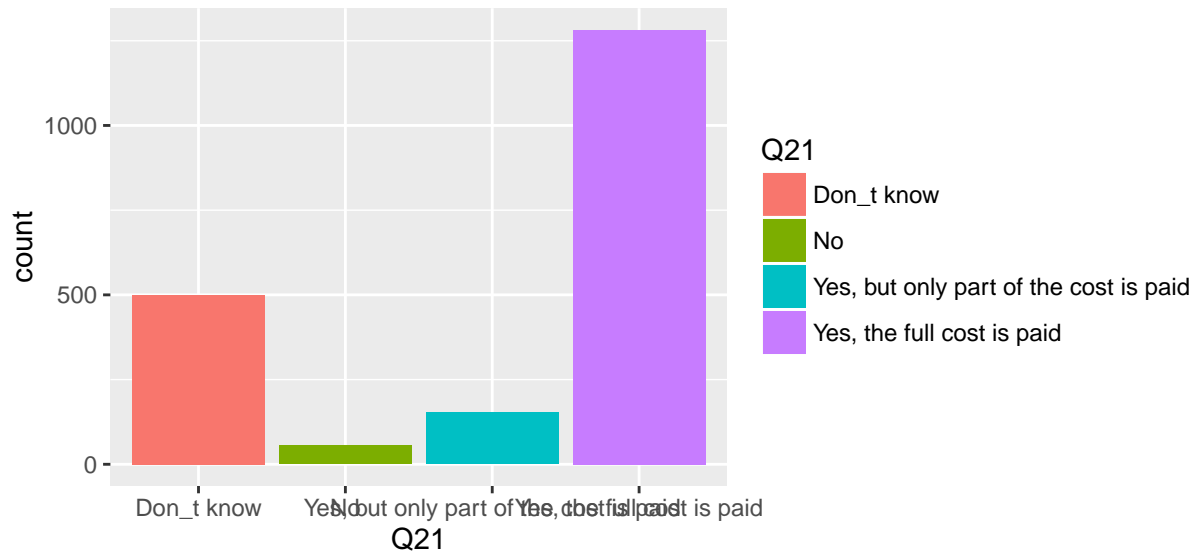


Q21. Are influenza vaccines covered by your health insurance?

```
with(data2, table(Q21))
```

```
## Q21
##
## Don't know
## 500
## No
## 55
## Yes, but only part of the cost is paid
## 153
## Yes, the full cost is paid
## 1282
```

```
ggplot(data2[!is.na(data2$Q21), ]) + geom_bar(mapping = aes(x = Q21, fill = Q21), position = position_d
```



Q22. Do you do any of the following when you have influenza symptoms?

```
Q22 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 112:122) %>%
  gather("q", "r", 7:Q22_9_Other)
with(Q22, table(q, r))
```

```
##
## q r
## Q22_1_Go.to.a.doctor's.office.or.medical.clinic 349
## Q22_2_Decide.on.treatment.without.consulting.a.health.practitioner 335
## Q22_3_Search.the.internet.for.a.treatment 126
## Q22_4_Get.adequate.sleep 1147
## Q22_5_Eat.nutritious.food 909
## Q22_6_Take-over-counter.medication.for.symptoms 796
## Q22_7_Take.an.antiviral.medicine 153
```

```
## Q22_8_Take.no.action.to.treat.the.illness 96
## Q22_9_Other 54
## r
## q Never
## Q22_1_Go.to.a.doctor_s.office.or.medical.clinic 552
## Q22_2_Decide.on.treatment.without.consulting.a.health.practitioner 473
## Q22_3_Search.the.internet.for.a.treatment 1148
## Q22_4_Get.adequate.sleep 115
## Q22_5_Eat.nutritious.food 135
## Q22_6_Take-over-counter.medication.for.symptoms 210
## Q22_7_Take.an.antiviral.medicine 1103
## Q22_8_Take.no.action.to.treat.the.illness 1199
## Q22_9_Other 448
## r
## q Sometimes
## Q22_1_Go.to.a.doctor_s.office.or.medical.clinic 1235
## Q22_2_Decide.on.treatment.without.consulting.a.health.practitioner 1329
## Q22_3_Search.the.internet.for.a.treatment 861
## Q22_4_Get.adequate.sleep 875
## Q22_5_Eat.nutritious.food 1091
## Q22_6_Take-over-counter.medication.for.symptoms 1130
## Q22_7_Take.an.antiviral.medicine 877
## Q22_8_Take.no.action.to.treat.the.illness 839
## Q22_9_Other 38
```

```
q22 <- Q22 %>%
  count(q, r)
```

Q23. Which of the following actions do you take when you have influenza symptoms to avoid someone else from getting sick?

```
Q23 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 123:Q23_11_Other) %>%
  gather("q", "r", 7:Q23_11_Other)
with(Q23, table(q, r))
```

```
## r
## q Always Never
## Q23_1_Stand.away.from.people 1006 135
## Q23_10_Cover.my.nose.and.mouth.when.I.sneeze.or.cough 1717 81
## Q23_11_Other 54 421
## Q23_2_Avoid.public.places 897 196
## Q23_3_Avoid.public.transportation 1342 245
## Q23_4_Stay.at.home 869 163
## Q23_5_Wash.my.hands.with.soap.more.often 1559 92
## Q23_6_Use.hand.sanitizers 1014 299
## Q23_7_Clean.the-surfaces.in.my.home 1151 153
## Q23_8_Clean.the-surfaces.I.use.at.work 856 508
## Q23_9_Cover.my.nose.and.mouth.with.a.surgical.mask 267 1463
## r
## q Sometimes
```

```
## Q23_1_Stand.away.from.people 996
## Q23_10_Cover.my.nose.and.mouth.when.I.sneeze.or.cough 341
## Q23_11_Other 28
## Q23_2_Avoid.public.places 1044
## Q23_3_Avoid.public.transportation 550
## Q23_4_Stay.at.home 1106
## Q23_5_Wash.my.hands.with.soap.more.often 488
## Q23_6_Use.hand.sanitizers 825
## Q23_7_Clean.the-surfaces.in.my.home 832
## Q23_8_Clean.the-surfaces.I.use.at.work 772
## Q23_9_Cover.my.nose.and.mouth.with.a.surgical.mask 409
```

```
q23 <- Q23 %>%
  count(q, r)
```

Q24. What sources of information do you recall hearing or seeing about influenza outbreaks?

```
Q24 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 137:Q24_7_Refused) %>%
  gather("q", "r", 7:Q24_6_Other)

with(Q24, table(q, r))
```

```
##
## q r
## Q24_1_Print.media.such.as.newspapers.and.magazines 1460 708
## Q24_2_Traditional.media.such.as.television.and.radio 811 1357
## Q24_3_Social.media.such.as.internet.and.blogs 1680 488
## Q24_4_Word.of.mouth 1213 955
## Q24_5_None 1764 404
## Q24_6_Other 2114 54
```

```
q24 <- Q24 %>%
  count(q, r)
```

Q25. If you received information from the news, internet or other public media that there was an influenza outbreak in your community would you do any of the following?

```
Q25 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 145:Q25_11_Other) %>%
  gather("q", "r", 7:Q25_11_Other)

with(Q25, table(q, r))
```

```
##
## q r
## Q25_1_Stand.away.from.people 649 217
## Q25_10_Cover.my.nose.and.mouth.when.I.sneeze.or.cough 1643 90
## Q25_11_Other 32 393
```

```
## Q25_2_Avoid.public.places 648 270
## Q25_3_Avoid.public.transportation 1221 268
## Q25_4_Stay.at.home 484 429
## Q25_5_Wash.my.hands.with.soap.more.often 1477 99
## Q25_6_Use.hand.sanitizers 1077 257
## Q25_7_Clean.the-surfaces.in.my.home 1116 160
## Q25_8_Clean.the-surfaces.I.use.at.work 902 464
## Q25_9_Cover.my.nose.and.mouth.with.a.surgical.mask 343 1286
##
## r
## q Sometimes
## Q25_1_Stand.away.from.people 1268
## Q25_10_Cover.my.nose.and.mouth.when.I.sneeze.or.cough 399
## Q25_11_Other 21
## Q25_2_Avoid.public.places 1217
## Q25_3_Avoid.public.transportation 643
## Q25_4_Stay.at.home 1222
## Q25_5_Wash.my.hands.with.soap.more.often 554
## Q25_6_Use.hand.sanitizers 799
## Q25_7_Clean.the-surfaces.in.my.home 857
## Q25_8_Clean.the-surfaces.I.use.at.work 766
## Q25_9_Cover.my.nose.and.mouth.with.a.surgical.mask 505
```

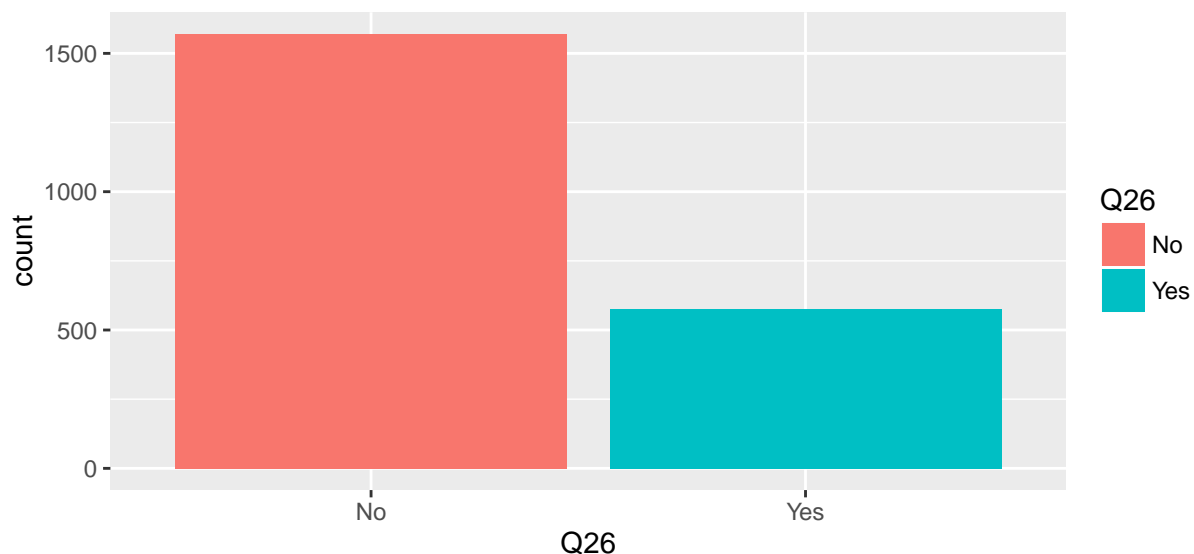
```
q25 <- Q25 %>%
  count(q, r)
```

Q26. Does your household have children?

```
with(data2, table(Q26))
```

```
## Q26
## No Yes
## 1570 576
```

```
ggplot(data2[!is.na(data2$Q26), ]) + geom_bar(mapping = aes(x = Q26, fill = Q26), position = position_d
```



Q27. What actions do you take when a child in your household has influenza symptoms?

```
Q27 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 159:Q27_4_Other) %>%
  gather("q", "r", 7:Q27_4_Other)

with(Q27, table(q, r))
```

```
##
## q r
## Q27_1_Keep.the.child.away.from.the.others.in.the.residence 198 90
## Q27_2_Keep.the.child.out.of.school-daycare 377 46
## Q27_3_Stop.child_s.social.activities.like.play.dates 388 41
## Q27_4_Other 12 93
##
## r
## q Sometimes
## Q27_1_Keep.the.child.away.from.the.others.in.the.residence 285
## Q27_2_Keep.the.child.out.of.school-daycare 149
## Q27_3_Stop.child_s.social.activities.like.play.dates 144
## Q27_4_Other 12
```

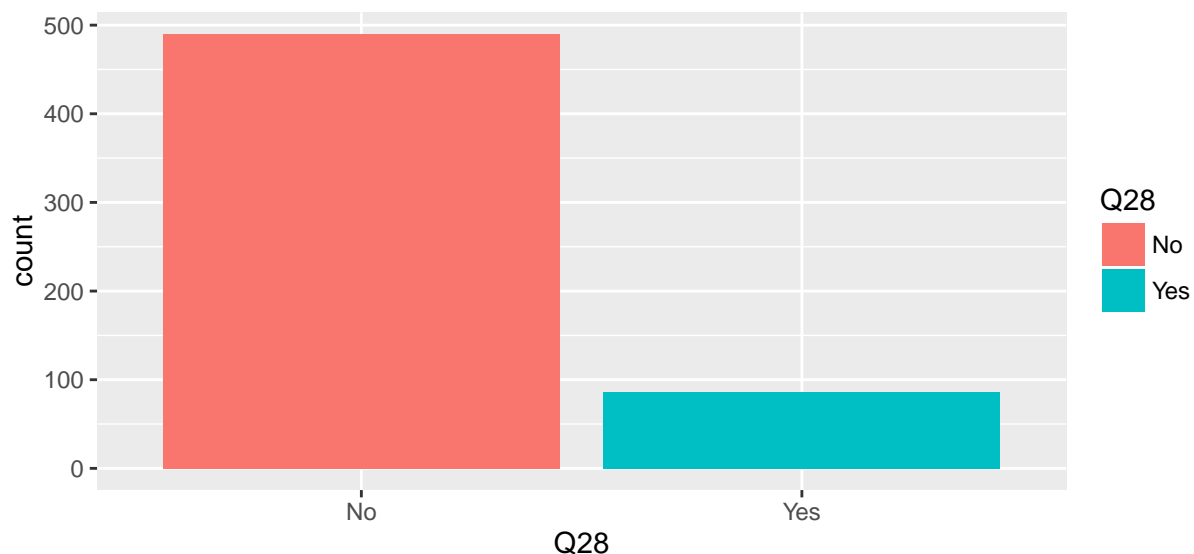
```
q27 <- Q27 %>%
  count(q, r)
```

Q28. Are you a single parent?

```
with(data2, table(Q28))
```

```
## Q28
## No Yes
## 490 86
```

```
ggplot(data2[!is.na(data2$Q28), ]) + geom_bar(mapping = aes(x = Q28, fill = Q28), position = position_d
```



Q29. How do you care for a sick child?

```
Q29 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 166:Q29_6_Other) %>%
  gather("q", "r", 7:Q29_6_Other)

with(Q29, table(q, r))
```

```
##                                r
## q      Always Never Sometimes
## Q29_1_A.parent.brings.the.child.to.work      7   438      41
## Q29_2_A.parent.stays.home      266    27     193
## Q29_3_Another.adult.stays.home      68   202     216
## Q29_4_Send.the.child.to.school.sick        1   414      70
## Q29_5_Take.the.child.to.a.relative.or.friends    8   292     186
## Q29_6_Other        4    76      6
```

```
q29 <- Q29 %>%
  count(q, r)
```

Q30. How do you care for a sick child?

```
Q30 <- data2 %>%
  select(PPGENDER, PPAGE, PPEDUC, PPETHM, PPINCIMP, PPWORK, 174:Q30_6_Other) %>%
  gather("q", "r", 7:Q30_6_Other)

with(Q30, table(q, r))
```

```
##                                r
## q      Always Never Sometimes
## Q30_1_I.bring.the.child.to.work        4    77      5
## Q30_2_I.stay.home      34    10     42
## Q30_3_Another.adult.stays.home        9    25     52
## Q30_4_Send.the.child.to.school.sick     3    60     23
## Q30_5_Take.the.child.to.a.relative.or.friends    7    33     46
## Q30_6_Other        1    14      3
```

```
q30 <- Q30 %>%
  count(q, r)
```

Q31. How many hours of screen time (time spent watching television, a computer, smartphone, iPad, etc.) do you spend each day on average when you are not sick? Enter 0 if none

```
with(data2, summary(Q31))
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##  0.000   2.000   4.000   4.868   6.000   24.000    52
```

```
# by gender
with(data2, by(Q31, PPGENDER, summary))
```

```
## PPGENDER: Female
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   0.000   2.000   4.000   4.838   6.000  21.000    21
## -----
## PPGENDER: Male
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   0.000   2.000   4.000   4.898   6.000  24.000    31
```

Q32. How many hours of screen time do you spend each day on average when you are sick?
Enter 0 if none

```
with(data2, summary(Q32))
```

```
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   0.000   1.000   4.000   4.267   6.000  24.000    61
```

```
# by gender
with(data2, by(Q33, PPGENDER, summary))
```

```
## PPGENDER: Female
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   1.000   2.000   2.000   2.567   3.000   9.000     8
## -----
## PPGENDER: Male
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   1.000   2.000   2.000   2.594   3.000  14.000    20
```

Q33. How many people, including yourself, reside in your household?

```
with(data2, summary(Q33))
```

```
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   1.00   2.00   2.00   2.58   3.00  14.00    28
```

```
# by ethnicity
with(data2, by(Q33, PPETHM, summary))
```

```
## PPETHM: 2+ Races, Non-Hispanic
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   1.000   2.000   2.000   2.709   3.000   7.000     1
## -----
## PPETHM: Black, Non-Hispanic
##   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
##   1.000   1.000   2.000   2.544   3.000  13.000     2
## -----
## PPETHM: Hispanic
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
##      1.000   2.000   3.000   2.903   4.000   9.000         6
## -----
## PPETHM: Other, Non-Hispanic
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
##      1.000   2.000   3.000   2.946   4.000   7.000         1
## -----
## PPETHM: White, Non-Hispanic
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
##      1.000   2.000   2.000   2.509   3.000  14.000        18
```

Household Members

HHM1

Q35. What is the gender of this member of the household? Remember, this relates to HHM1_Name who is HHM1_AGE years old.

```
with(data2, table(Q35))
```

```
## Q35
## Female   Male
##      799   859
```

Q36. On average, how many days per week does this member of your household work or attend day care or school outside of your home?

```
with(data2, summary(Q36))
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
##      0.000   0.000   4.000   2.874   5.000   7.000       571
```

Q37. On average, how many days per week does this member of your household participate in social activities outside of your home?

```
with(data2, summary(Q37))
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
##      0.000   0.000   2.000   2.098   3.000   7.000       663
```

Q38. On average, how many days per week does this member of your household use public transportation?

```
with(data2, summary(Q38))
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.      NA's
##      0.0000  0.0000  0.0000  0.3909  0.0000  7.0000       582
```

Q39. How frequently does this member of your household visit a doctor's office for wellness appointments?

```
with(data2, summary(Q39))
```

```
##      Length      Class      Mode  
##      2168 character character
```

Q40. How frequently does this member of the household get sick in a typical year?

```
with(data2, summary(Q40))
```

```
##      Length      Class      Mode  
##      2168 character character
```

Q41. How many times has this member of your household had influenza or another respiratory illness in the last two years?

```
with(data2, summary(Q41))
```

```
##      Length      Class      Mode  
##      2168 character character
```

Q42. Does this member of your household get an annual influenza vaccine?

```
with(data2, summary(Q42))
```

```
##      Length      Class      Mode  
##      2168 character character
```

HHM2

Q43. What is the gender of this member of the household? Remember, this relates to HHM1_Name who is HHM1_AGE years old.

```
with(data2, summary(Q43))
```

```
##      Length      Class      Mode  
##      2168 character character
```

Q44. On average, how many days per week does this member of your household work or attend day care or school outside of your home?

```
with(data2, summary(Q44))
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's  
##      0.000   1.000   5.000   3.669   5.000   7.000  1383
```

Q45. On average, how many days per week does this member of your household participate in social activities outside of your home?

```
with(data2, summary(Q45))
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's  
##    0.000   1.000   2.000   2.395   4.000   7.000   1419
```

Q46. On average, how many days per week does this member of your household use public transportation?

```
with(data2, summary(Q46))
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's  
##    0.0000  0.0000  0.0000  0.5727  0.0000  7.0000   1391
```

Q47. How frequently does this member of your household visit a doctor's office for wellness appointments?

```
with(data2, summary(Q47))
```

```
##      Length      Class      Mode  
##      2168 character character
```

Q48. How frequently does this member of the household get sick in a typical year?

```
with(data2, summary(Q48))
```

```
##      Length      Class      Mode  
##      2168 character character
```

Q49. How many times has this member of your household had influenza or another respiratory illness in the last two years?

```
with(data2, summary(Q49))
```

```
##      Length      Class      Mode  
##      2168 character character
```

Q50. Does this member of your household get an annual influenza vaccine?

```
with(data2, summary(Q50))
```

```
##      Length      Class      Mode  
##      2168 character character
```