Nasopharynx:

1. Standard therapy:

```
Call:
glm(formula = receive_standard ~ Sex + AJCC.7.Stage + std_age +
    SEER.Registry + `log(median household income)` + Insurance +
    Race + std_education + std_unemployed + std_language_isolation,
    family = "binomial", data = train)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-1.3481  -0.7502  -0.6076  -0.3785   2.3980

Coefficients:
                               Estimate Std. Error z value Pr(>|z|)
(Intercept)                     4.52125    8.48351   0.533 0.594071
SexFemale                       0.22517    0.19161   1.175 0.239926
AJCC.7.StageII                  1.02301    0.47750   2.142 0.032159 *
AJCC.7.StageIII                 0.91670    0.46785   1.959 0.050066 .
AJCC.7.StageIVA                 0.28260    0.50435   0.560 0.575256
AJCC.7.StageIVB                 1.41309    0.49686   2.844 0.004455 **
AJCC.7.StageIVC                 0.82496    0.52629   1.568 0.116997
std_age                        -0.23001    0.06265  -3.671 0.000241 ***
SEER.RegistryGeorgia            0.41593    0.38490   1.081 0.279877
`log(median household income)` -0.66927    0.78591  -0.852 0.394443
InsuranceUninsured             -0.61998    0.48034  -1.291 0.196805
RaceHispanic                    0.27765    0.36063   0.770 0.441361
RaceBlack                      -0.06388    0.33627  -0.190 0.849345
RaceAsian or Pacific Islander   0.01162    0.25766   0.045 0.964020
std_education                  -0.07228    0.06732  -1.074 0.282927
std_unemployed                 -0.04561    0.07237  -0.630 0.528528
std_language_isolation          0.03532    0.05886   0.600 0.548448
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

2. Survival situation

```
glm(formula = survival ~ receive_standard + Race + Sex + AJCC.7.Stage +
    std_age + SEER.Registry + `log(median household income)` +
    Insurance + std_education + std_unemployed + std_language_isolation,
    family = "binomial", data = train)

Deviance Residuals:
    Min       1Q   Median       3Q      Max
-2.4405   0.2053   0.4908   0.7118   1.7171

Coefficients:
                                Estimate Std. Error z value Pr(>|z|)
(Intercept)                      0.82579    8.98976   0.092 0.926810
receive_standard1                0.12903    0.23980   0.538 0.590534
RaceHispanic                     0.30379    0.36379   0.835 0.403690
RaceBlack                        0.52594    0.35034   1.501 0.133297
RaceAsian or Pacific Islander    0.47416    0.25468   1.862 0.062636 .
SexFemale                        0.12697    0.20760   0.612 0.540787
AJCC.7.StageII                  -0.49258    0.54088  -0.911 0.362444
AJCC.7.StageIII                 -1.13144    0.51372  -2.202 0.027633 *
AJCC.7.StageIVA                 -1.81675    0.51807  -3.507 0.000454 ***
AJCC.7.StageIVB                 -1.56893    0.54680  -2.869 0.004114 **
AJCC.7.StageIVC                 -2.87949    0.54432  -5.290 1.22e-07 ***
std_age                         -0.40188    0.07308  -5.499 3.82e-08 ***
SEER.RegistryGeorgia            -0.31819    0.38471  -0.827 0.408185
`log(median household income)`   0.10193    0.83029   0.123 0.902290
InsuranceUninsured              -0.71210    0.43103  -1.652 0.098519 .
std_education                   -0.01298    0.06406  -0.203 0.839481
std_unemployed                  -0.01522    0.07354  -0.207 0.836006
std_language_isolation           0.01623    0.05811   0.279 0.780036
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)
```