# **Medicare dental**

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# **Download MEPS data**

```
# restrict to medicare
df = df %>%
  filter(INSURCY2==4 | INSURCY2==5 | INSURCY2==6) %>% # https://www.meps.ahrq.gov/
mepsweb/data_stats/download_data_files_codebook.jsp?PUFId=H172&varName=INSURCY2
 mutate(total mcare = T)
# how many people had new dental insurance during MEPS
df$nodental = (df$DENTIN1==2 | df$DENTIN2==2 | df$DENTIN3==2 | df$DENTIN4==2 | d
f$DENTIN5==2)
# by race/ethnicity
df <- df %>%
 mutate(
    hisp
         = (RACETHX == 1),
    white = (RACETHX == 2),
    black = (RACETHX == 3),
    native = (RACETHX > 3 \& RACEV1X %in% c(3,6)),
    asian = (RACETHX > 3 \& RACEV1X %in% c(4,5)),
    race = 1*hisp + 2*white + 3*black + 4*native + 5*asian,
    race = recode factor(race,
                         "1" = "Hispanic",
                         "2" = "White",
                         "3" = "Black",
                         "4" = "Amer. Indian, AK Native, or mult. races",
                         "5" = "Asian, Hawaiian, or Pacific Islander"))
# by income subgroup
df <- df %>%
 mutate(
    poor = (POVCATY1 == 1),
    nearpoor = (POVCATY1 == 2),
    lowinc = (POVCATY1 == 3),
    midinc = (POVCATY1 == 4),
    hiinc = (POVCATY1 == 5),
    income = 1*poor + 2*nearpoor + 3*lowinc + 4*midinc + 5*hiinc,
    income = recode factor(income,
                         "1" = "</= 100% poverty line",
                         "2" = "101-125% poverty line",
                         "3" = "126-200% poverty line",
                         "4" = "201-400% poverty line",
                         "5" = ">/= 400% poverty line"))
```

```
## Warning: Unreplaced values treated as NA as .x is not compatible. Please specif
y
## replacements exhaustively or supply .default
```

```
# by region
df <- df %>%
 mutate(
   northeast = (REGIONY1 == 1),
    midwest = (REGIONY1 == 2),
    south = (REGIONY1 == 3),
    west = (REGIONY1 == 4),
    region = 1*northeast + 2*midwest + 3*south + 4*west,
    region = recode factor(income,
                           "1" = "Northeast",
                            "2" = "Midwest",
                            "3" = "South",
                            "4" = "West"))
# who had no annual visits at baseline
df$noannvisit baseline = (df$DVTOTY1==0 | df$DVTOTY2==0)
# edentulous at baseline
df$edentulous baseline = (df$LSTETH5==1)
# apply survey sample weights
options(survey.lonely.psu='adjust')
mepsdsgn <- svydesign(</pre>
 id = ~VARPSU,
 strata = ~VARSTR,
 weights = ~newwt,
 data = df,
 nest = TRUE)
tab0 <- svyCreateTableOne(vars = c("total_mcare", "race", "income", "region", "noannv</pre>
isit_baseline","edentulous_baseline"),
                          data = mepsdsgn,
                          strata = "nodental",
                           factorVars = c("nodental", "race", "income", "region"))
tab0
```

```
##
                                                 Stratified by nodental
##
                                                  FALSE
##
                                                  7609564.5
##
     total mcare = TRUE (%)
                                                  7609564.5 (100.0)
##
     race (%)
##
        Hispanic
                                                   312767.5 ( 4.1)
##
        White
                                                  6056264.2 ( 79.6)
##
        Black
                                                   650503.4 ( 8.5)
##
        Amer. Indian, AK Native, or mult. races 154139.6 ( 2.0)
##
        Asian, Hawaiian, or Pacific Islander
                                                   435889.8 ( 5.7)
##
     income (%)
        </= 100% poverty line
##
                                                   329077.5 (
                                                               4.3)
##
        101-125% poverty line
                                                    91388.8 ( 1.2)
##
        126-200% poverty line
                                                   574006.2 ( 7.5)
##
        201-400% poverty line
                                                  1825242.5 ( 24.0)
                                                  4789849.5 ( 62.9)
##
        >/= 400% poverty line
##
     region (%)
##
        </= 100% poverty line
                                                   329077.5 ( 4.3)
##
        101-125% poverty line
                                                    91388.8 ( 1.2)
##
        126-200% poverty line
                                                   574006.2 ( 7.5)
                                                  1825242.5 ( 24.0)
##
        201-400% poverty line
##
                                                  4789849.5 ( 62.9)
        >/= 400% poverty line
##
     noannvisit baseline = TRUE (%)
                                                  3202518.5 ( 42.1)
##
     edentulous_baseline = TRUE (%)
                                                   633582.3 ( 8.3)
##
                                                 Stratified by nodental
                                                  TRUE
##
                                                                              test
                                                                       р
##
                                                  42851468.6
##
     total mcare = TRUE (%)
                                                  42851468.6 (100.0)
                                                                           NA
##
     race (%)
                                                                        0.007
##
        Hispanic
                                                   3713435.8 ( 8.7)
##
        White
                                                  32537139.8 ( 75.9)
##
        Black
                                                   3899016.2 ( 9.1)
##
        Amer. Indian, AK Native, or mult. races
                                                   817573.4 ( 1.9)
##
        Asian, Hawaiian, or Pacific Islander
                                                   1884303.4 ( 4.4)
##
     income (%)
                                                                       <0.001
##
        </= 100% poverty line
                                                   5350226.3 ( 12.5)
##
        101-125% poverty line
                                                   2431573.9 ( 5.7)
##
                                                   7348468.3 ( 17.2)
        126-200% poverty line
##
        201-400% poverty line
                                                  12470576.3 ( 29.1)
        >/= 400% poverty line
##
                                                  15239278.8 ( 35.6)
     region (%)
##
                                                                       <0.001
##
        </= 100% poverty line</pre>
                                                   5350226.3 ( 12.5)
##
        101-125% poverty line
                                                   2431573.9 ( 5.7)
##
        126-200% poverty line
                                                   7348468.3 ( 17.2)
##
        201-400% poverty line
                                                  12470576.3 ( 29.1)
##
        >/= 400% poverty line
                                                  15239278.8 ( 35.6)
##
     noannvisit baseline = TRUE (%)
                                                  28170973.1 ( 65.7)
                                                                      <0.001
##
     edentulous_baseline = TRUE (%)
                                                   8436649.1 ( 19.7)
                                                                      <0.001
```

#### **Outcome 1**

```
# restrict to those without other dental insurance at any point in survey
df = df %>%
  filter(nodental==1) # https://www.meps.ahrq.gov/mepsweb/data_stats/download_data
_files_codebook.jsp?PUFId=H210&varName=DENTIN1
dfnewcover nomeans = T
df$newcover means = (df$POVCATY1==1 | df$POVCATY1==2 | df$POVCATY1==3 | df$POVCATY
2==1 | df$POVCATY2==2 | df$POVCATY2==3) # https://www.meps.ahrq.gov/mepsweb/data s
tats/download data files codebook.jsp?PUFId=H210&varName=POVCATY1
# see poverty status categories at: https://www.meps.ahrq.gov/survey comp/hc techn
ical_notes.shtml
# apply survey sample weights
options(survey.lonely.psu='adjust')
mepsdsgn <- svydesign(</pre>
 id = ~VARPSU,
 strata = ~VARSTR,
 weights = ~newwt,
 data = df,
 nest = TRUE)
# OUTCOME 1: overall coverage number
# if means tested, coverage just for those <200% FPL
svytotal(~newcover_means, design = mepsdsgn)
##
                          total
                                    SE
## newcover meansFALSE 23371730 656187
## newcover meansTRUE 19479739 558072
```

```
# if not means tested
svytotal(~newcover_nomeans, design = mepsdsgn)
```

```
## total SE
## newcover_nomeansFALSE 0 0
## newcover_nomeansTRUE 42851469 957044
```

#### Outcome 2

```
# OUTCOME 2: how many people have an annual visit
# if means tested, we increase the probability of an annual visit by 7.2 percentag
e points among those who didn't have a annual visit before
set.seed(123)
df$newvisit means = (df$noannvisit baseline==1)*(df$newcover means==1)*rbinom(dim
(df)[1],1,0.072) # https://www.healthaffairs.org/doi/10.1377/hlthaff.2020.00386
# if not means tested, we increase the probability to match that of insured peopl
e, which is 58.8%
set.seed(123)
df$newvisit nomeans = (df$noannvisit baseline==1)*rbinom(dim(df)[1],1,0.588) # 58.
8% calculated from MEPS if changing line 33 to those with continuous coverage
mepsdsgn <- svydesign(</pre>
 id = \sim VARPSU,
 strata = ~VARSTR,
 weights = ~newwt,
 data = df,
 nest = TRUE)
svytotal(~noannvisit baseline, design = mepsdsgn) # currently having no annual vis
it
```

```
## total SE
## noannvisit_baselineFALSE 14680496 507809
## noannvisit_baselineTRUE 28170973 663330
```

svytotal(~newvisit\_means, design = mepsdsgn) # newly having annual visit, if means
tested

```
## total SE
## newvisit_means 1063899 87540
```

svytotal(~newvisit\_nomeans, design = mepsdsgn) # newly having annual visit, if not
means tested

```
## total SE
## newvisit_nomeans 16659886 468329
```

#### Outcome 3

```
# OUTCOME 3: resulting difference in edentulism
#reduced risk of edentulism at baseline = 0.223 x previous risk
df$edentulous_means = (df$LSTETH5==1)*(df$newvisit_means==1)*(rbinom(dim(df)[1],1,
1-0.230))
df$edentulous_nomeans = (df$LSTETH5==1)*(df$newvisit_nomeans==1)*(rbinom(dim(d
f)[1],1,1-0.230))

mepsdsgn <- svydesign(
   id = ~VARPSU,
   strata = ~VARSTR,
   weights = ~newwt,
   data = df,
   nest = TRUE)
svytotal(~edentulous_baseline, design = mepsdsgn) # currently expected to become e
dentulous annually</pre>
```

```
## total SE
## edentulous_baselineFALSE 34414820 812950
## edentulous_baselineTRUE 8436649 293541
```

 ${\tt svytotal(\sim edentulous\_means,\ design=mepsdsgn)}~\#~if~means~tested,~expected~to~beco~me~edentulous~annually$ 

```
## total SE
## edentulous_means 241640 35920
```

svytotal(~edentulous\_nomeans, design = mepsdsgn) # if not means tested, expected t
o become edentulous annually

```
## total SE
## edentulous_nomeans 3641455 175151
```

### formatted table

```
##
##
                                    Overall
##
                                    42851468.6
##
    total mcare = TRUE (%)
                                    42851468.6 (100.0)
##
     newcover means = TRUE (%)
                                    19479738.8 ( 45.5)
##
     newcover nomeans = TRUE (%)
                                    42851468.6 (100.0)
##
     noannvisit_baseline = TRUE (%) 28170973.1 ( 65.7)
                                     1063899.3 ( 2.5)
##
     newvisit_means = 1 (%)
##
    newvisit nomeans = 1 (%)
                                    16659885.9 ( 38.9)
     edentulous_baseline = TRUE (%) 8436649.1 ( 19.7)
##
##
     edentulous_means = 1 (%)
                                     241639.6 ( 0.6)
##
     edentulous nomeans = 1 (%)
                                     3641455.2 ( 8.5)
```

## Subgroup analysis 1: by race/ethnicity

```
mepsdsgn <- svydesign(</pre>
 id = ~VARPSU,
  strata = ~VARSTR,
 weights = ~newwt,
 data = df,
 nest = TRUE)
# output weighted/formatted table with race/ethnic subgroups
tab2 <- svyCreateTableOne(vars = c("total_mcare", "newcover_means", "newcover_nomean
s", "noannvisit baseline", "newvisit means", "newvisit nomeans", "edentulous baselin
e", "edentulous_means", "edentulous_nomeans"),
                           data = mepsdsgn,
                           strata = "race",
                           factorVars = c("total_mcare", "newcover_means", "newcover
nomeans", "noannvisit baseline", "newvisit means", "newvisit nomeans", "edentulous b
aseline","edentulous_means","edentulous_nomeans"))
tab2
```

```
##
                                    Stratified by race
##
                                     Hispanic
                                                        White
##
                                     3713435.8
                                                        32537139.8
##
     total mcare = TRUE (%)
                                     3713435.8 (100.0)
                                                        32537139.8 (100.0)
##
     newcover means = TRUE (%)
                                     2382787.8 ( 64.2)
                                                        13158965.7 ( 40.4)
##
     newcover nomeans = TRUE (%)
                                     3713435.8 (100.0)
                                                        32537139.8 (100.0)
##
     noannvisit baseline = TRUE (%) 3106447.0 ( 83.7)
                                                        19569555.7 ( 60.1)
##
     newvisit_means = 1 (%)
                                      121503.9 ( 3.3)
                                                          720354.5 (
                                                                       2.2)
##
                                     1896906.8 (51.1) 11361958.8 (34.9)
     newvisit nomeans = 1 (%)
##
     edentulous baseline = TRUE (%)
                                     739702.7 ( 19.9)
                                                         6110648.9 ( 18.8)
##
     edentulous_means = 1 (%)
                                       27676.0 ( 0.7)
                                                          170527.5 ( 0.5)
##
     edentulous nomeans = 1 (%)
                                      336816.6 ( 9.1)
                                                         2643444.6 ( 8.1)
##
                                    Stratified by race
##
                                     Black
##
                                     3899016.2
##
     total mcare = TRUE (%)
                                     3899016.2 (100.0)
##
     newcover means = TRUE (%)
                                     2475085.0 (63.5)
##
     newcover nomeans = TRUE (%)
                                     3899016.2 (100.0)
##
     noannvisit baseline = TRUE (%) 3350604.8 ( 85.9)
##
     newvisit_means = 1 (%)
                                      129567.4 ( 3.3)
##
     newvisit nomeans = 1 (%)
                                     2098120.1 (53.8)
##
     edentulous_baseline = TRUE (%) 1020077.2 ( 26.2)
##
     edentulous means = 1 (%)
                                       23528.8 ( 0.6)
##
                                      409828.4 ( 10.5)
     edentulous_nomeans = 1 (%)
##
                                    Stratified by race
##
                                     Amer. Indian, AK Native, or mult. races
##
                                     817573.4
##
     total mcare = TRUE (%)
                                     817573.4 (100.0)
##
     newcover means = TRUE (%)
                                     516407.5 ( 63.2)
                                     817573.4 (100.0)
##
     newcover nomeans = TRUE (%)
##
     noannvisit baseline = TRUE (%) 665937.4 ( 81.5)
##
     newvisit means = 1 (%)
                                      34565.5 ( 4.2)
##
     newvisit nomeans = 1 (%)
                                     433911.0 ( 53.1)
##
     edentulous baseline = TRUE (%) 254655.0 ( 31.1)
##
                                      11399.8 ( 1.4)
     edentulous means = 1 (%)
##
     edentulous nomeans = 1 (%)
                                     119909.8 ( 14.7)
##
                                    Stratified by race
##
                                     Asian, Hawaiian, or Pacific Islander p
##
                                     1884303.4
##
     total mcare = TRUE (%)
                                     1884303.4 (100.0)
                                                                               NA
##
                                      946492.9 ( 50.2)
                                                                           <0.001
     newcover_means = TRUE (%)
##
                                                                               NA
     newcover nomeans = TRUE (%)
                                     1884303.4 (100.0)
##
     noannvisit_baseline = TRUE (%) 1478428.3 ( 78.5)
                                                                           <0.001
##
     newvisit means = 1 (%)
                                       57908.0 ( 3.1)
                                                                            0.055
##
                                      868989.3 ( 46.1)
                                                                           <0.001
     newvisit_nomeans = 1 (%)
##
     edentulous baseline = TRUE (%)
                                      311565.2 ( 16.5)
                                                                           <0.001
##
     edentulous means = 1 (%)
                                                                            0.500
                                        8507.6 ( 0.5)
##
     edentulous_nomeans = 1 (%)
                                      131455.9 ( 7.0)
                                                                            0.010
##
                                    Stratified by race
```

```
##
                                     test
##
##
     total mcare = TRUE (%)
##
     newcover_means = TRUE (%)
##
     newcover nomeans = TRUE (%)
##
     noannvisit_baseline = TRUE (%)
##
     newvisit means = 1 (%)
##
     newvisit nomeans = 1 (%)
##
     edentulous baseline = TRUE (%)
##
     edentulous means = 1 (%)
##
     edentulous_nomeans = 1 (%)
```

# Subgroup analysis 2: by income

```
mepsdsgn <- svydesign(</pre>
  id = ~VARPSU,
  strata = ~VARSTR,
  weights = ~newwt,
  data = df,
  nest = TRUE)
# output weighted/formatted table with income subgroups
tab3 <- svyCreateTableOne(vars = c("total_mcare","newcover_means","newcover_nomean</pre>
s", "noannvisit baseline", "newvisit means", "newvisit nomeans", "edentulous baselin
e", "edentulous_means", "edentulous_nomeans"),
                           data = mepsdsgn,
                           strata = "income",
                           factorVars = c("total mcare", "newcover means", "newcover
_nomeans", "noannvisit_baseline", "newvisit_means", "newvisit_nomeans", "edentulous_b
aseline","edentulous_means","edentulous_nomeans"))
tab3
```

```
##
                                    Stratified by income
##
                                     </= 100% poverty line 101-125% poverty line</pre>
##
                                     5350226.3
                                                            2431573.9
##
     total mcare = TRUE (%)
                                     5350226.3 (100.0)
                                                            2431573.9 (100.0)
##
     newcover means = TRUE (%)
                                     5350226.3 (100.0)
                                                            2431573.9 (100.0)
##
     newcover nomeans = TRUE (%)
                                     5350226.3 (100.0)
                                                            2431573.9 (100.0)
##
     noannvisit_baseline = TRUE (%) 4451446.2 ( 83.2)
                                                            1954363.4 ( 80.4)
                                                             147564.3 ( 6.1)
##
     newvisit_means = 1 (%)
                                      320501.6 ( 6.0)
##
                                     2624118.4 ( 49.0)
                                                            1179909.5 ( 48.5)
     newvisit nomeans = 1 (%)
##
     edentulous baseline = TRUE (%) 1553029.5 ( 29.0)
                                                             643804.5 ( 26.5)
##
     edentulous_means = 1 (%)
                                       94163.2 ( 1.8)
                                                              26282.9 ( 1.1)
##
                                                             287755.6 ( 11.8)
     edentulous nomeans = 1 (%)
                                      696467.2 ( 13.0)
##
                                    Stratified by income
##
                                     126-200% poverty line 201-400% poverty line
##
                                     7348468.3
                                                            12470576.3
##
     total mcare = TRUE (%)
                                     7348468.3 (100.0)
                                                            12470576.3 (100.0)
##
     newcover means = TRUE (%)
                                     7348468.3 (100.0)
                                                             3166289.6 ( 25.4)
##
     newcover_nomeans = TRUE (%)
                                     7348468.3 (100.0)
                                                            12470576.3 (100.0)
##
     noannvisit baseline = TRUE (%) 5609481.0 ( 76.3)
                                                             8636499.0 ( 69.3)
##
     newvisit_means = 1 (%)
                                      382358.0 ( 5.2)
                                                              166100.0 ( 1.3)
##
     newvisit nomeans = 1 (%)
                                     3174840.7 ( 43.2)
                                                             5346503.0 ( 42.9)
##
     edentulous_baseline = TRUE (%) 1897382.7 ( 25.8)
                                                             2638690.9 ( 21.2)
##
     edentulous means = 1 (%)
                                       83921.9 ( 1.1)
                                                               30447.4 ( 0.2)
##
                                      845799.9 ( 11.5)
     edentulous_nomeans = 1 (%)
                                                             1158238.2 (
                                                                          9.3)
##
                                    Stratified by income
##
                                     >/= 400% poverty line p
                                                                   test
##
                                     15239278.8
##
     total mcare = TRUE (%)
                                     15239278.8 (100.0)
                                                                NA
##
     newcover means = TRUE (%)
                                      1178838.5 ( 7.7)
                                                            <0.001
                                     15239278.8 (100.0)
##
     newcover nomeans = TRUE (%)
                                                                NA
##
     noannvisit_baseline = TRUE (%)
                                     7507838.5 ( 49.3)
                                                            <0.001
##
     newvisit means = 1 (%)
                                        47375.5 ( 0.3)
                                                            <0.001
##
     newvisit nomeans = 1 (%)
                                      4329457.0 ( 28.4)
                                                            <0.001
##
                                     1698777.7 ( 11.1)
     edentulous baseline = TRUE (%)
                                                            <0.001
##
                                         6824.3 ( 0.0)
     edentulous means = 1 (%)
                                                            <0.001
##
     edentulous nomeans = 1 (%)
                                       653194.3 ( 4.3)
                                                            <0.001
```

### Subgroup analysis 3: by income

```
mepsdsgn <- svydesign(</pre>
 id = ~VARPSU,
  strata = ~VARSTR,
 weights = ~newwt,
 data = df,
  nest = TRUE)
# output weighted/formatted table with region subgroups
tab4 <- svyCreateTableOne(vars = c("total_mcare","newcover_means","newcover_nomean</pre>
s", "noannvisit_baseline", "newvisit_means", "newvisit_nomeans", "edentulous_baselin
e", "edentulous_means", "edentulous_nomeans"),
                           data = mepsdsgn,
                           strata = "region",
                           factorVars = c("total mcare", "newcover means", "newcover
_nomeans", "noannvisit_baseline", "newvisit_means", "newvisit_nomeans", "edentulous_b
aseline","edentulous_means","edentulous_nomeans"))
tab4
```

```
##
                                    Stratified by region
##
                                     </= 100% poverty line 101-125% poverty line</pre>
##
                                     5350226.3
                                                            2431573.9
##
     total mcare = TRUE (%)
                                     5350226.3 (100.0)
                                                            2431573.9 (100.0)
##
     newcover means = TRUE (%)
                                     5350226.3 (100.0)
                                                            2431573.9 (100.0)
##
     newcover nomeans = TRUE (%)
                                     5350226.3 (100.0)
                                                            2431573.9 (100.0)
##
     noannvisit_baseline = TRUE (%) 4451446.2 ( 83.2)
                                                            1954363.4 ( 80.4)
                                                             147564.3 ( 6.1)
##
     newvisit_means = 1 (%)
                                      320501.6 ( 6.0)
##
                                     2624118.4 ( 49.0)
                                                            1179909.5 ( 48.5)
     newvisit nomeans = 1 (%)
##
     edentulous baseline = TRUE (%) 1553029.5 ( 29.0)
                                                             643804.5 ( 26.5)
##
     edentulous_means = 1 (%)
                                       94163.2 ( 1.8)
                                                              26282.9 ( 1.1)
##
                                                             287755.6 ( 11.8)
     edentulous nomeans = 1 (%)
                                      696467.2 ( 13.0)
##
                                    Stratified by region
##
                                     126-200% poverty line 201-400% poverty line
##
                                     7348468.3
                                                            12470576.3
##
     total mcare = TRUE (%)
                                     7348468.3 (100.0)
                                                            12470576.3 (100.0)
##
     newcover means = TRUE (%)
                                     7348468.3 (100.0)
                                                             3166289.6 ( 25.4)
##
     newcover nomeans = TRUE (%)
                                     7348468.3 (100.0)
                                                            12470576.3 (100.0)
##
     noannvisit baseline = TRUE (%) 5609481.0 ( 76.3)
                                                             8636499.0 ( 69.3)
##
     newvisit_means = 1 (%)
                                      382358.0 ( 5.2)
                                                              166100.0 ( 1.3)
##
     newvisit nomeans = 1 (%)
                                     3174840.7 ( 43.2)
                                                             5346503.0 ( 42.9)
##
     edentulous_baseline = TRUE (%) 1897382.7 ( 25.8)
                                                             2638690.9 ( 21.2)
##
     edentulous means = 1 (%)
                                       83921.9 ( 1.1)
                                                               30447.4 ( 0.2)
##
                                      845799.9 ( 11.5)
     edentulous_nomeans = 1 (%)
                                                             1158238.2 (
                                                                          9.3)
##
                                    Stratified by region
##
                                     >/= 400% poverty line p
                                                                   test
##
                                     15239278.8
##
     total mcare = TRUE (%)
                                     15239278.8 (100.0)
                                                                NA
##
     newcover means = TRUE (%)
                                      1178838.5 ( 7.7)
                                                            <0.001
                                     15239278.8 (100.0)
##
     newcover nomeans = TRUE (%)
                                                                NA
##
     noannvisit baseline = TRUE (%)
                                     7507838.5 ( 49.3)
                                                            <0.001
##
     newvisit means = 1 (%)
                                        47375.5 ( 0.3)
                                                            <0.001
##
     newvisit nomeans = 1 (%)
                                      4329457.0 ( 28.4)
                                                            <0.001
##
     edentulous baseline = TRUE (%) 1698777.7 ( 11.1)
                                                            <0.001
##
                                         6824.3 ( 0.0)
     edentulous means = 1 (%)
                                                            <0.001
##
     edentulous nomeans = 1 (%)
                                       653194.3 ( 4.3)
                                                            <0.001
```